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# RF Test Report

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Report No.: AGC00552190801EE10

**PRODUCT DESIGNATION** : Smart Phone  
**BRAND NAME** : CUBOT  
**MODEL NAME** : R15 PRO  
**APPLICANT** : Shenzhen Huafurui Technology Co., Ltd.  
**DATE OF ISSUE** : Aug. 22, 2019  
**STANDARD(S)** : EN 301 908-1 V11.1.1 (2016-07)  
: EN 301 908-13 V11.1.2 (2017-07)  
**REPORT VERSION** : V1.0

**Attestation of Global Compliance (Shenzhen) Co., Ltd**

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Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Aug. 22, 2019	Valid	Initial release





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## 1. TEST REPORT CERTIFICATION

Manufacturer	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen,P.R. China
Product Designation	Smart Phone
Brand Name	CUBOT
Test Model	R15 PRO
Date of test	Aug. 06, 2019~Aug. 22, 2019
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-EC-LTE2/RF

We, Attestation of Global Compliance (Shenzhen) Co., Ltd., for compliance with the requirements set forth in the European Standard ETSI EN 301 908-1/-13. The results of testing in this report apply to the product system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. The test results of this report relate only to the tested sample identified in this report.

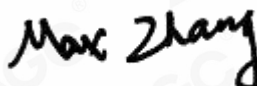
Prepared By



Donjon Huang  
(Project Engineer)

Aug. 22, 2019

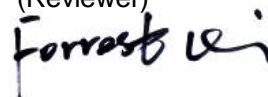
Reviewed By



Max Zhang  
(Reviewer)

Aug. 22, 2019

Approved By



Forrest Lei  
Authorized Officer

Aug. 22, 2019



## 2. GENERAL INFORMATION

### 2.1. DESCRIPTION OF EUT

#### 2.1.1. FINAL EQUIPMENT BUILD STATUS

Details of technical specification refer to the description in follows:

<b>Product Name</b>	Smart Phone
<b>Brand Name</b>	CUBOT
<b>Test Model</b>	R15 PRO
<b>Product Type</b>	LTE
<b>Hardware Version</b>	V625_MB_V2.0
<b>Software Version</b>	CUBOT_R15_PRO_9031C-1_V01_20190730
<b>LTE Support Band</b>	<input checked="" type="checkbox"/> FDD Band 1 <input checked="" type="checkbox"/> FDD Band 3 <input checked="" type="checkbox"/> FDD Band 7 <input checked="" type="checkbox"/> FDD Band 8 <input checked="" type="checkbox"/> FDD Band 20 <input type="checkbox"/> TDD Band 33 <input type="checkbox"/> TDD Band 34 <input type="checkbox"/> TDD Band 38 <input type="checkbox"/> TDD Band 40 <input type="checkbox"/> TDD Band 42 <input type="checkbox"/> TDD Band 43 (EU Bands) <input type="checkbox"/> FDD Band 2 <input type="checkbox"/> FDD Band 4 <input type="checkbox"/> FDD Band 5 <input checked="" type="checkbox"/> FDD Band 19 <input type="checkbox"/> FDD Band 25 <input type="checkbox"/> FDD Band 26 <input type="checkbox"/> TDD Band 41 (Non-EU Bands)
<b>TX Frequency Range</b>	FDD Band 1: 1920 MHz – 1980 MHz FDD Band 3: 1710 MHz – 1785 MHz FDD Band 7: 2500 MHz – 2570 MHz FDD Band 8: 880 MHz – 915 MHz FDD Band 20: 832 MHz – 862 MHz
<b>RX Frequency Range</b>	FDD Band 1: 2110 MHz – 2170 MHz FDD Band 3: 1805 MHz – 1880 MHz FDD Band 7: 2620 MHz – 2690 MHz FDD Band 8: 925 MHz – 960 MHz FDD Band 20: 791 MHz – 821 MHz
<b>Modulation Mode</b>	QPSK/16QAM
<b>Antenna Type</b>	PIFA Antenna
<b>LTE Antenna Gain</b>	1.9dBi(Band 1); 1.7dBi(Band 3); 1.17dBi(Band 7);2.2dBi(Band 8); 1.6dBi(Band 20)
<b>Diversity Antenna Gain</b>	1.78dBi(Band 1); 1.64dBi(Band 3); 1.05dBi(Band 7);1.82dBi(Band 8); 1.54dBi(Band 20)
<b>Power Class</b>	FDD Band 1:3, FDD Band 3:3, FDD Band 7:3, FDD Band 8:3, FDD Band 20:3
<b>GSM Release Version</b>	N/A
<b>SIM Card Description</b>	There are dual-SIM cards, just one for GSM/WCDMA/LTE and the other only for GSM.
<b>Diversity Antenna Description</b>	Diversity antenna is only used to receive. Its purpose is to increase sensitivity of LTE. The receiver items test results in the report already contain the diversity antenna test.

### 2.1.2. PHOTOGRAPHS OF THE EUT

Please see APPENX A for photographs of the EUT.

### 2.1.3. IDENTIFICATION OF SAMPLES EUT

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by AGC, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

#### SAMPLE A01

Sample Reference Number	A01
Factory Name	Shenzhen Huafului Technology Co., Ltd.
Test Model	R15 PRO
Product Type	FDD Band 1; FDD Band 3; FDD Band 7; FDD Band 8; FDD Band 20
Frequency Bands	QPSK/16QAM;



## 2.2. TYPE OF PICS/PIXIT INFORMATION

Item	Operating bands RF Baseline Implementation capabilities	Support	Allowed Value	Comments
1	Frequency band: 1920-1980, 2110-2170 MHz	YES	Yes/No	Band 1
2	Frequency band: 1850-1910, 1930-1990 MHz	NO	Yes/No	Band 2
3	UE Power Class 3 (+23 dBm)	YES	Yes/No	--
4	Frequency band: 1710-1785, 1805-1880 MHz	YES	Yes/No	Band 3
5	Frequency band: 1710-1755, 2110-2155 MHz	NO	Yes/No	Band 4
6	Frequency band: 824-849, 869-894 MHz	NO	Yes/No	Band 5
7	Frequency band: 830-840, 875-885 MHz	NO	Yes/No	Band 6
8	Frequency band: 2500-2570, 2620-2690 MHz	YES	Yes/No	Band 7
9	Frequency band: 880-915, 925-960 MHz	YES	Yes/No	Band 8
10	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	NO	Yes/No	Band 9
11	Frequency band: 1710-1770, 2110-2170 MHz	NO	Yes/No	Band 10
12	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	NO	Yes/No	Band 11
13	Frequency band: 699-716, 729-746 MHz	NO	Yes/No	Band 12
14	Frequency band: 777-787, 746-756 MHz	NO	Yes/No	Band 13
15	Frequency band: 788-798, 758-768 MHz	NO	Yes/No	Band 14
16	Reserved	NO	Yes/No	Band 15
17	Reserved	NO	Yes/No	Band 16
18	Frequency band: 704 – 716 , 734 – 746 MHz	NO	Yes/No	Band 17
19	Frequency band: 815-830, 860-875 MHz	NO	Yes/No	Band 18
20	Frequency band: 830-845, 875-890 MHz	YES	Yes/No	Band 19
21	Frequency band: 832-862, 791-821 MHz	NO	Yes/No	Band 20
22	Frequency band: 1447.9-1462.9, 1495.9-1510.9 MHz	NO	Yes/No	Band 21
23	Frequency band: 3410-3490, 3510-3590 MHz	NO	Yes/No	Band 22
24	Frequency band: 2000-2020, 2180-2200 MHz	NO	Yes/No	Band 23



25	Frequency band: 1626.5-1660.5,1525-1559 MHz	NO	Yes/No	Band 24
26	Frequency band: 1850-1915,1930-1995 MHz	NO	Yes/No	Band 25
27	Frequency band: 814-849,859-894 MHz	NO	Yes/No	Band 26
28	Frequency band: 807-824,852-869 MHz	NO	Yes/No	Band 27
29	Frequency band: 703-748,758-803 MHz	NO	Yes/No	Band 28
30	Frequency band: N/A,DL: 717-728 MHz	NO	Yes/No	Band 29
31	Frequency band:2305-2315, 2350- 2360 MHz	NO	Yes/No	Band 30
32	Frequency band:452.5-457.5, 462.5 - 467.5MHz	NO	Yes/No	Band 31
33				...
34	Frequency band:1900-1920, 1900-1920 MHz	NO	Yes/No	Band 33
35	Frequency band:2010-2025, 2010-2025 MHz	NO	Yes/No	Band 34
36	Frequency band:1850-1910, 1850-1910 MHz	NO	Yes/No	Band 35
37	Frequency band:1930-1990, 1930-1990 MHz	NO	Yes/No	Band 36
38	Frequency band:1910-1930, 1910-1930 MHz	NO	Yes/No	Band 37
39	Frequency band:2570-2620, 2570-2620 MHz	NO	Yes/No	Band 38
40	Frequency band:1880-1920, 1880-1920 MHz	NO	Yes/No	Band 39
41	Frequency band:2300-2400, 2300-2400 MHz	NO	Yes/No	Band 40
42	Frequency band:2496-2690, 2496- 2690 MHz	NO	Yes/No	Band 41
43	Frequency band:3400-3600, 3400-3600 MHz	NO	Yes/No	Band 42
44	Frequency band:3600-3800, 3600-3800 MHz	NO	Yes/No	Band 43
45	Frequency band:703-803, 703-803 MHz	NO	Yes/No	Band 44

Note 1: Band 6 is not applicable.

Note 2: Restricted to E-UTRA operation when carrier aggregation is configured. The downlink operating band is paired with the uplink operating band (external) of the carrier aggregation configuration that is supporting the configured Pcell.

### 3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China
Note: Section 5.3.1 items were tested in the Laboratory of Location 2. Others were tested in the Laboratory of Location 1.	

#### LIST OF EQUIPMENTS USED OF AGC&NETC

No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
1	H & T Chamber ETH225-40A	Test EQ	WIT-05121302	Feb. 27, 2019	Feb. 26, 2020
2	Wireless communication test CMW500	R&S	120909	July 11, 2019	July 10, 2020
3	Wireless communication test set 8960	Agilent	GB46200384	July 11, 2019	July 10, 2020
4	Power Splitter 7100LC	KALMUS	04-02/17-06-001	June 12,2019	June 11, 2020
5	Attenuator	JFW	50FHC-006-50	June 12,2019	June 11, 2020
6	Vector Signal Generator SMU200A	R&S	104332	Sep. 20, 2018	Sep. 19, 2019
8	EXA Signal Analyzer N9010A	Agilent	MY53470504	Dec. 20, 2018	Dec. 19, 2019
9	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep. 20, 2018	Sep. 19, 2019
10	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep. 20, 2018	Sep. 19, 2019
11	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Dec. 20, 2018	Dec. 19, 2019
12	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
13	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.18, 2018	Aug.17, 2019
13	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.16, 2019	Aug.15, 2020
14	DC Power Source	N/A	GBD-60V30A	Feb. 27, 2019	Feb. 26, 2020
15	Attenuator	JFW	50FHC-006-50	June 12,2019	June 11, 2020
16	EMI Test Receiver	ESCI	100694	June 12,2019	June 11, 2020
17	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020





No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
18	Broadband Antenna VULB9168	SCHWARZBECK	D69250	Mar. 01, 2018	Feb. 28, 2020
19	Triple Loop Antenna RF300	LAPLACE	N/A	Mar. 01, 2018	Feb. 28, 2020
20	Artificial Mains Network ENV4200	R&S	101116	July 11, 2019	July 10, 2020
21	Artificial Mains Network ENV216	R&S	101242	July 11, 2019	July 10, 2020
22	Filter Bank Notch 1(880-915MHz)	MICRO-TRONIC S	010	Feb. 27, 2019	Feb. 26, 2020
23	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONIC S	009	Feb. 27, 2019	Feb. 26, 2020
24	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONIC S	008	Feb. 27, 2019	Feb. 26, 2020



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

#### 4. MEASUREMENT UNCERTAINTY

Parameter	Conditions	Test System Uncertainty
Transmitter Maximum Output power	--	$\pm 0,7$ dB
Transmitter spectrum emissions mask	--	$\pm 1,5$ dB
Transmitter spurious emissions	9 kHz < f ≤ 4 GHz: $\pm 2,0$ dB 4 GHz < f ≤ 12,75 GHz: $\pm 4,0$ dB	$\pm 2,0$ dB $\pm 4,0$ dB
Transmitter Minimum output power	--	$\pm 1,0$ dB
Receiver Adjacent Channel Selectivity(ACS)	--	$\pm 1,1$ dB
Receiver Blocking characteristics	1 MHz < finterferer ≤ 3 GHz 3 GHz < finterferer ≤ 12,75 GHz	$\pm 1,3$ dB $\pm 3,2$ dB
Receiver spurious response	1 MHz < finterferer ≤ 3 GHz 3 GHz < finterferer ≤ 12,75 GHz	$\pm 1,3$ dB $\pm 3,2$ dB
Receiver intermodulation characteristics	--	$\pm 1,4$ dB
Receiver spurious emissions	30 MHz ≤ f ≤ 4,0 GHz: $\pm 2,0$ dB 4 GHz < f ≤ 12,75 GHz: $\pm 4,0$ dB	$\pm 2,0$ dB $\pm 4,0$ dB
Transmitter adjacent channel leakage power ratio	--	$\pm 0,8$ dB

NOTE 1: For RF tests it should be noted that the uncertainties in table 5.2-1 apply to the test system operating into a nominal 50 Ω load and do not include system effects due to mismatch between the EUT and the test system.

NOTE 2: If the test system for a test is known to have a measurement uncertainty greater than that specified in table 5.2-1, this equipment can still be used provided that an adjustment is made follows: any additional uncertainty in the test system over and above that specified in table 5.2-1 should be used to tighten the test requirements - making the test harder to pass (for some tests, e.g. receiver tests, this may require modification of stimulus signals). This procedure will ensure that a test system not compliant with table 5.2-1 does not increase the probability of passing an EUT that would otherwise have failed a test if a test system compliant with table 5.2-1 had been used.

## 5. TEST RESULT

### 5.1. APPLIED REFERENCE DOCUMENTS

Leading reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
2	ETSI EN 301 908-13	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

Specific reference documents for testing:

No.	Identity	Document Title
3	ETSI TS 136 521-1	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing

### 5.2. TEST ENVIRONMENT/CONDITIONS

Normal Temperature (NT)	15 ... 35 °C
Relative Humidity	30 ... 75 %
Air Pressure	980 ... 1020 kPa
Adapter Test Model Name	HJ-0501000B3EU
Details of Power Supply (Rated Input)	AC100-240V, 50/60Hz, 0.15A
Details of Power Supply (Rated Output)	DC5.0V,1000mA
Extreme Temperature	Low Temperature (TL) = -10°C High Temperature (TH) = +40°C
Extreme Voltage of the EUT	Low Voltage = DC 3.23V Normal Voltage = DC 3.80V High Voltage = DC 4.35V

**Note:** The Limit Voltage 4.35V was declared by manufacturer,  
The EUT couldn't be operate normally with higher voltage.  
The maximum temperature of 40 is not a standard requirement and is measured according to the maximum service temperature stated by the manufacturer.

### 5.3. ITEMS USED IN THE TEST RESULTS LIST

Terms in the column “Verdict” for the test results list of the section:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
INC.	EUT did not pass and did not fail this test case, therefore the verdict is inconclusive
FOUR-FAITH	Test case not applicable for the EUT, see the column “Note” for detailed





#### 5.4. TEST RESULTS LIST

##### ETSI EN 301 908-1

Test case	Description	Condition	FDD Band 1		FDD Band 3		FDD Band 7	
			Sample	Result	Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS	A01	PASS

Test case	Description	Condition	FDD Band 8		FDD Band 20	
			Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS





## ETSI EN 301 908-13

Test case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 3	
				Sample	Result
4.2.2	Transmitter Maximum Output Power	1.4MHz 5MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.5	Transmitter Minimum Output Power	1.4MHz 5MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.3	Transmitter Spectrum Emission Mask	1.4MHz 5MHz 10MHz 20MHz	NTC	A01	PASS
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	1.4MHz 5MHz 10MHz 20MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.4	Transmitter Spurious Emissions	1.4MHz 5MHz 20MHz	NTC	A01	PASS



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

4.2.6	Receiver Adjacent Channel	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.7	Receiver Blocking Characteristics	1.4MHz 5MHz 20MHz	In band	A01	PASS
	Receiver Blocking Characteristics		Out Band	A01	PASS
	Receiver Blocking Characteristics		Narrow Band	A01	PASS
4.2.8	Receiver Spurious Response	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.9	Receiver Intermodulation Characteristics	1.4MHz 5MHz 20MHz	NTC	A01	PASS
4.2.10	Receiver Spurious Emissions	20MHz	NTC	A01	PASS
4.2.12	Receiver Reference Sensitivity Level	1.4MHz 5MHz 20MHz	NTC	A01	PASS

Channel Bandwidths to be tested: lowest, 1.4 MHz and 20 MHz highest channel bandwidth  
Band 3: 1.4MHz/3MHz/5MHz/10MHz/15MHz/20MHz

Teat case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 8	
				Sample	Result
4.2.2	Transmitter Maximum Output Power	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.5	Transmitter Minimum Output Power	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.3	Transmitter Spectrum Emission Mask	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	1.4MHz 5MHz 10MHz	NTC	A01	PASS
			HTHV	A01	PASS
			HTLV	A01	PASS
			LTHV	A01	PASS
			LTLV	A01	PASS
4.2.4	Transmitter Spurious Emissions	1.4MHz 5MHz 10MHz	NTC	A01	PASS



4.2.6	Receiver Adjacent Channel	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.7	Receiver Blocking Characteristics	1.4MHz 5MHz 10MHz	In band	A01	PASS
	Receiver Blocking Characteristics		Out Band	A01	PASS
	Receiver Blocking Characteristics		Narrow Band	A01	PASS
4.2.8	Receiver Spurious Response	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.9	Receiver Intermodulation Characteristics	1.4MHz 5MHz 10MHz	NTC	A01	PASS
4.2.10	Receiver Spurious Emissions	10MHz	NTC	A01	PASS
4.2.12	Receiver Reference Sensitivity Level	1.4MHz 5MHz 10MHz	NTC	A01	PASS

Channel Bandwidths to be tested: lowest, 5 MHz and highest channel bandwidth  
Band 8: 1.4MHz/3MHz/5MHz/10MHz



Teat case in ETSI	Description	Test Channel Bandwidths	condition	FDD Band 1		FDD Band 7		FDD Band 20		Remark
				Sample	Result	Sample	Result	Sample	Result	
4.2.2	Transmitter Maximum Output Power	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.5	Transmitter Minimum Output Power	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.3	Transmitter Spectrum Emission Mask	5MHz 10MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	5MHz 10MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
			HTHV	A01	PASS	A01	PASS	A01	PASS	--
			HTLV	A01	PASS	A01	PASS	A01	PASS	--
			LTHV	A01	PASS	A01	PASS	A01	PASS	--
			LTLV	A01	PASS	A01	PASS	A01	PASS	--
4.2.4	Transmitter Spurious Emissions	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--





4.2.6	Receiver Adjacent Channel	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.7	Receiver Blocking Characteristics	5MHz 20MHz	In band	A01	PASS	A01	PASS	A01	PASS	--
	Receiver Blocking Characteristics		Out Band	A01	PASS	A01	PASS	A01	PASS	--
	Receiver Blocking Characteristics		Narrow Band	A01	PASS	A01	PASS	A01	PASS	--
4.2.8	Receiver Spurious Response	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.9	Receiver Intermodulation Characteristics	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.10	Receiver Spurious Emissions	20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--
4.2.12	Receiver Reference Sensitivity Level	5MHz 20MHz	NTC	A01	PASS	A01	PASS	A01	PASS	--

Channel Bandwidths to be tested: lowest, 5 MHz and highest channel 20MHz bandwidth.

- Note:* 1. Test reports have put the diversity antenna coupled together by the power divider test.  
2. The test result is SIM Card 1 ( only SIM Card 1 support LTE ) and recorded in the test report.

## Appendix A for Band 1

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 1 NTNV) of fellow

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	24.20	Pass
					max	24.61	Pass
				Partial	0	24.05	Pass
					max	24.55	Pass
			Mid range	1	0	24.56	Pass
					max	24.49	Pass
				Partial	0	24.57	Pass
					max	24.58	Pass
			High range	1	0	24.45	Pass
					max	24.49	Pass
				Partial	0	24.51	Pass
					max	24.52	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	24.06	Pass
					max	24.37	Pass
				Partial	0	24.28	Pass
					max	24.33	Pass
			Mid range	1	0	24.38	Pass
					max	23.99	Pass
				Partial	0	24.01	Pass
					max	23.93	Pass
			High range	1	0	23.74	Pass
					max	23.68	Pass
				Partial	0	23.96	Pass
					max	23.85	Pass

## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 1 NTNV) of fellow

### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.31	Pass
			Mid range	Full	0	-49.91	Pass
			High range	Full	0	-50.00	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20MHz	Low range	Full	0	-49.24	Pass
			Mid range	Full	0	-49.48	Pass
			High range	Full	0	-49.56	Pass

### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118



			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

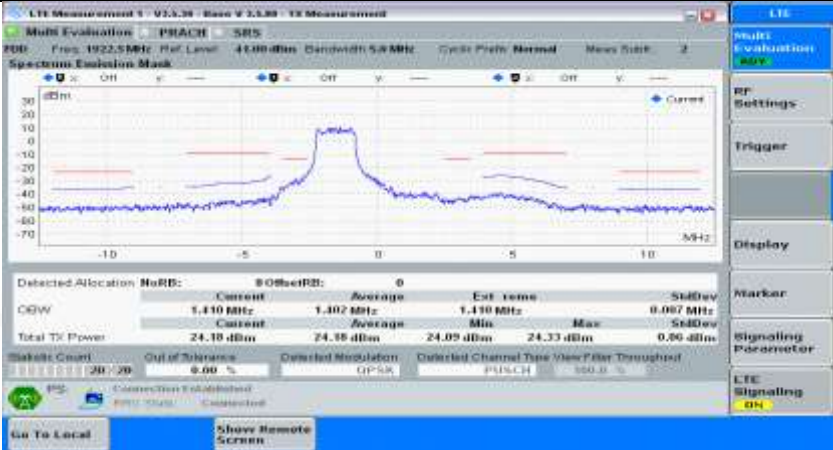
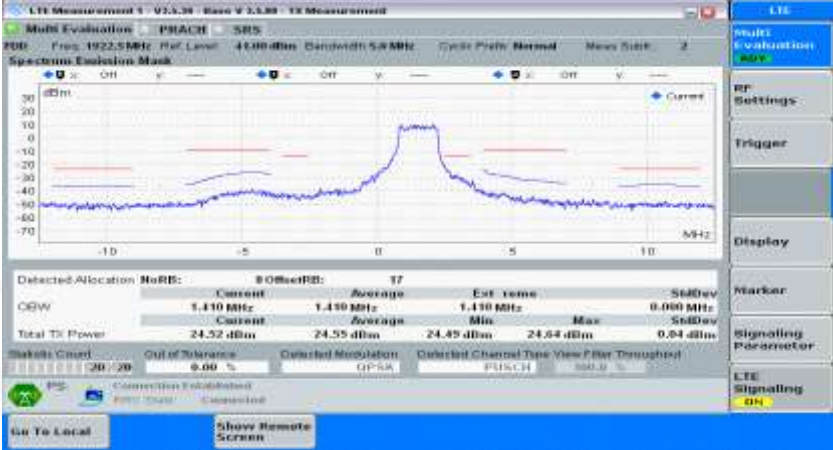
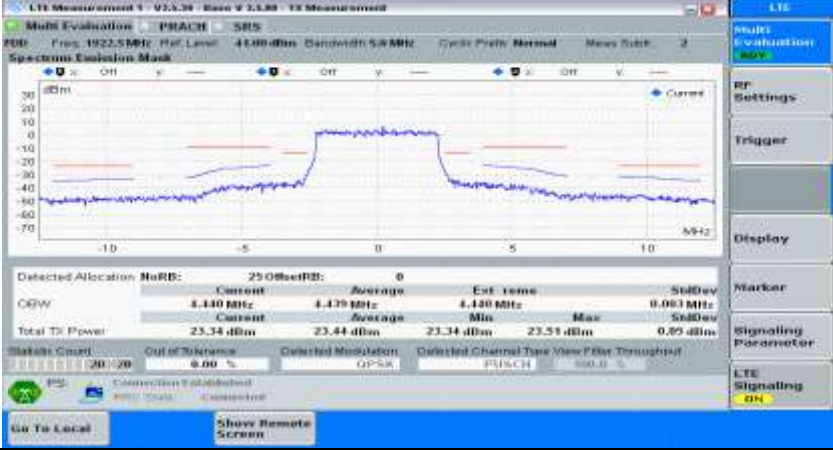
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs

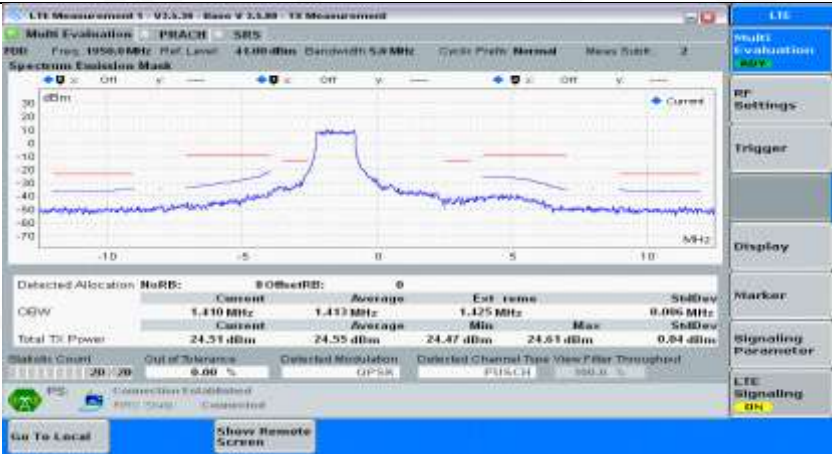
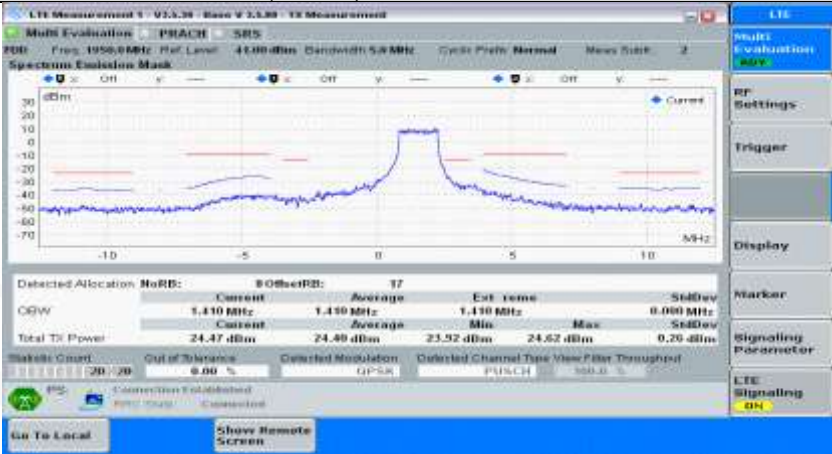
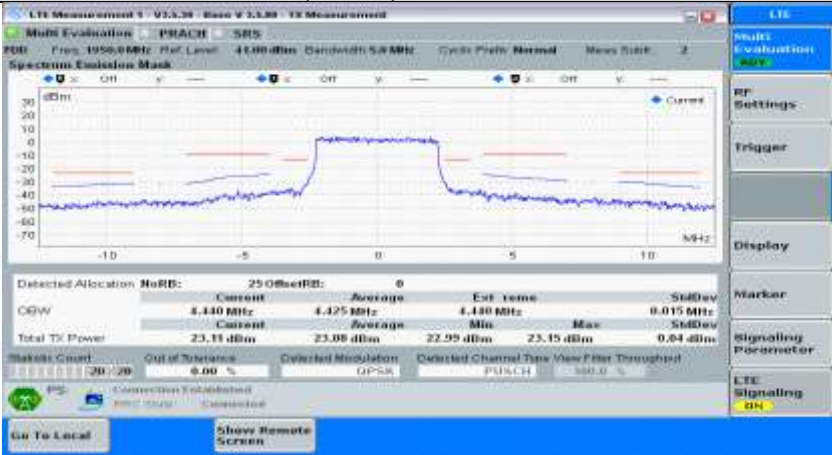
NTNV

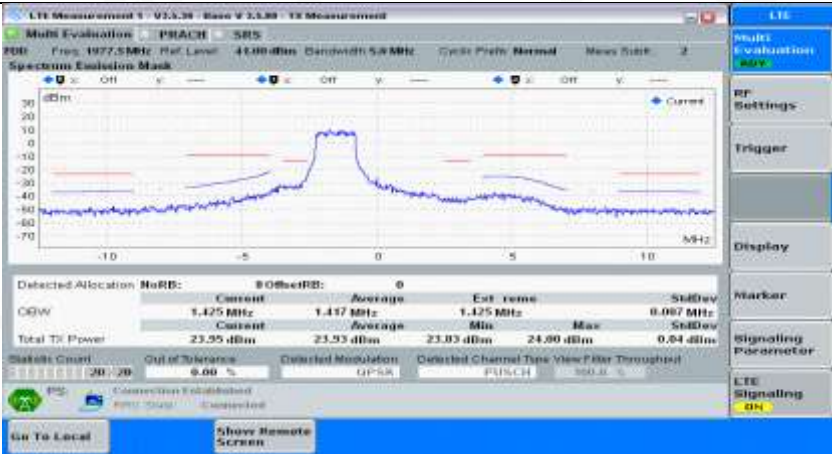
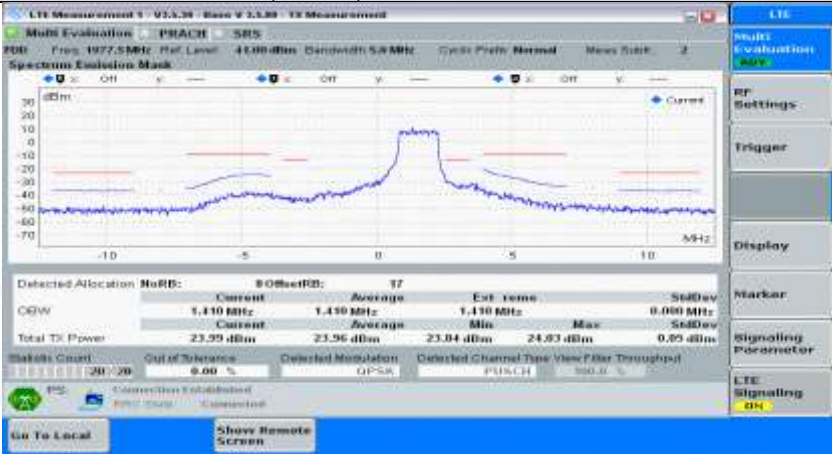
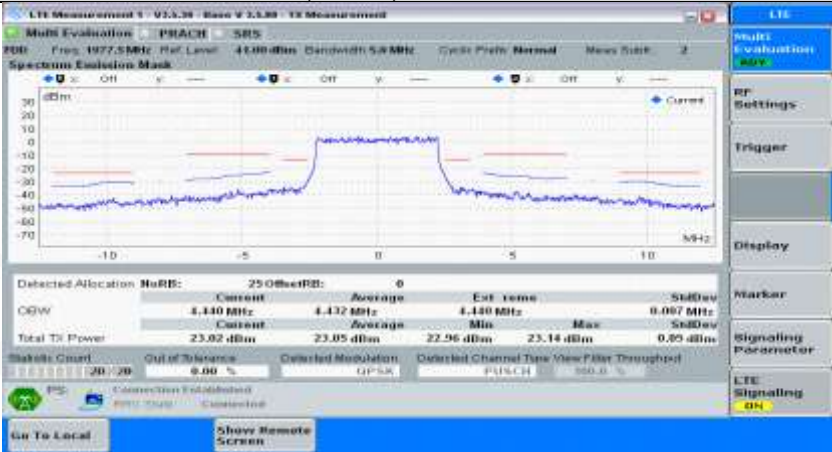
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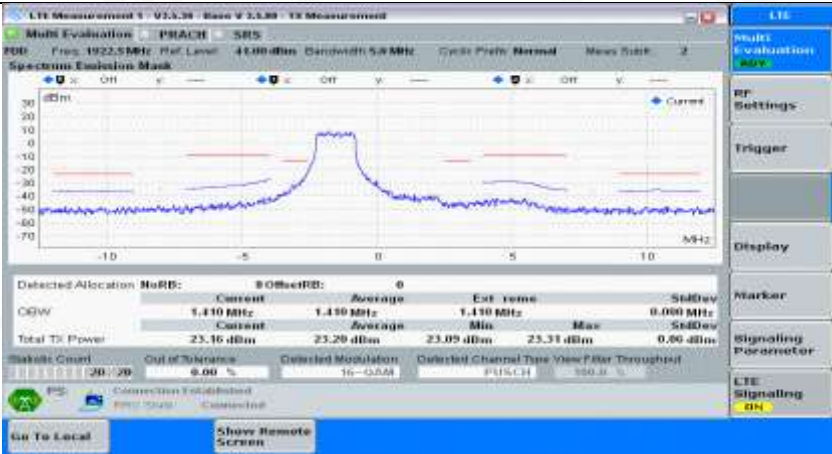
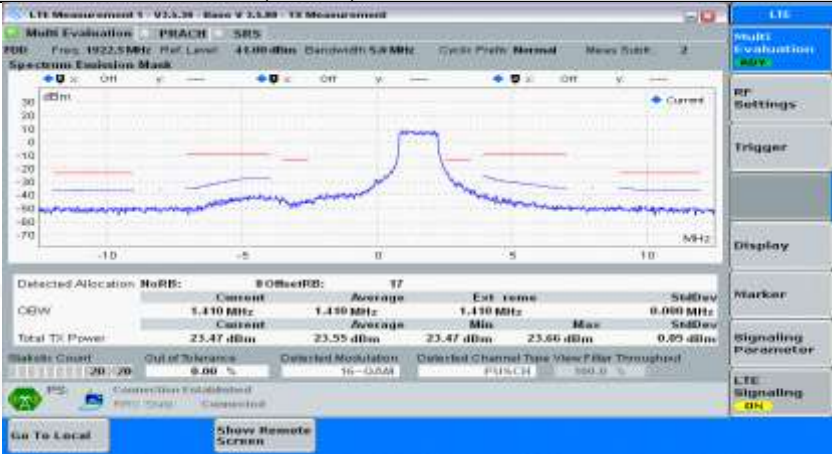
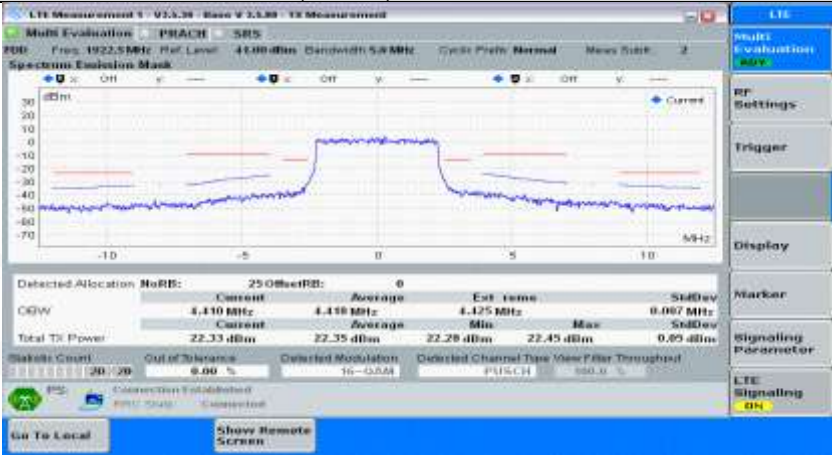
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	

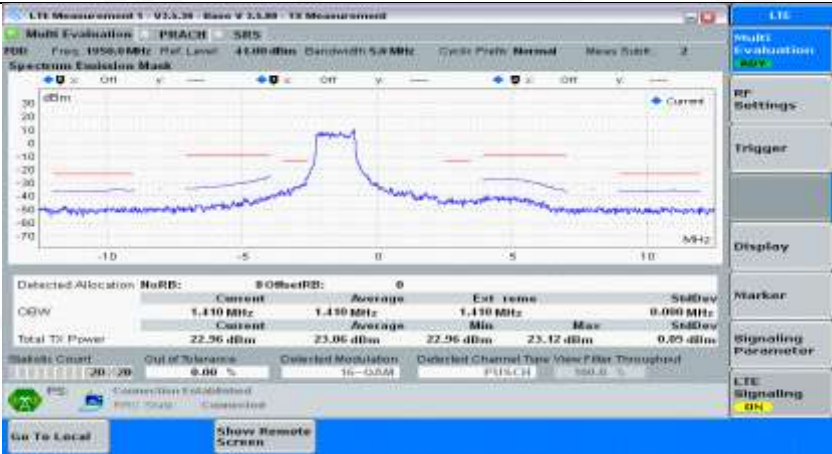
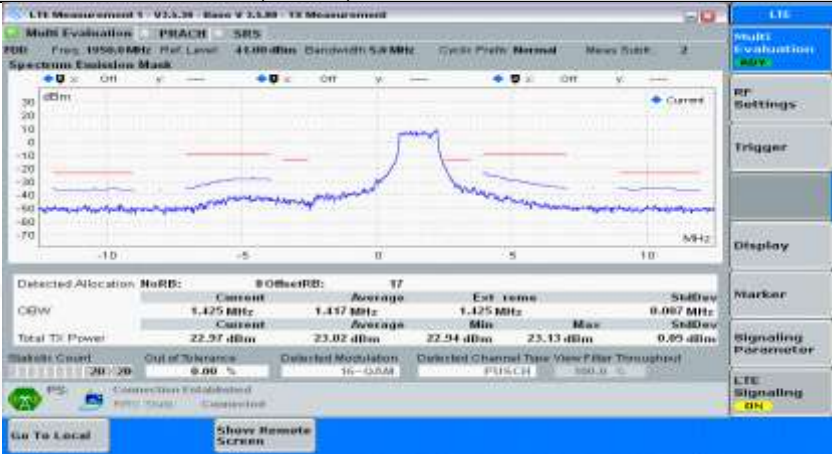
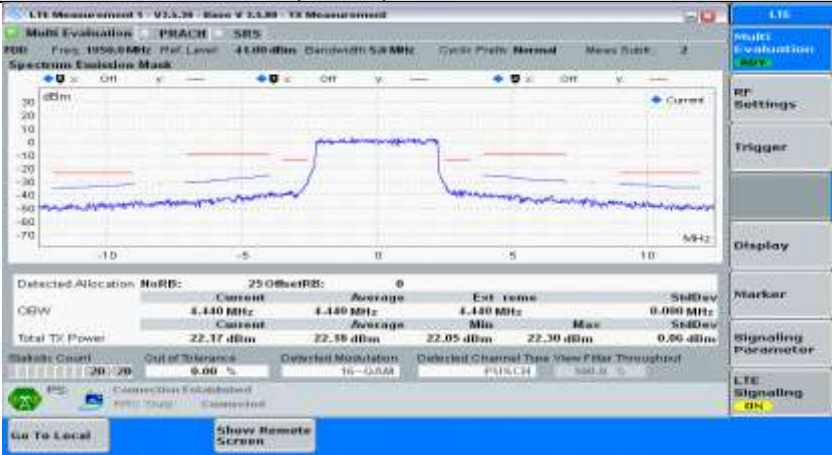


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QPSK	
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	

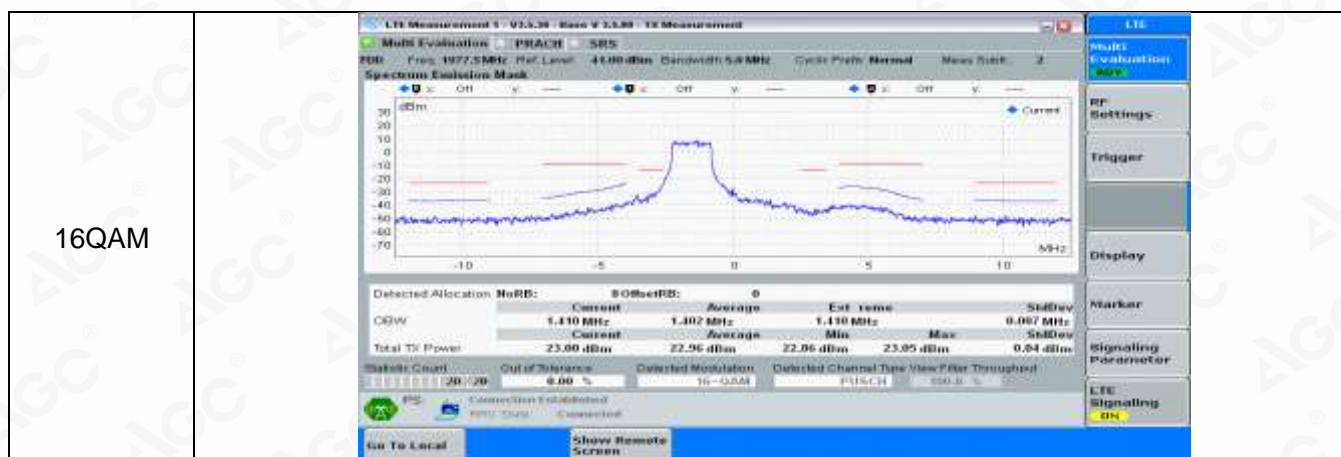
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QPSK	
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QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	



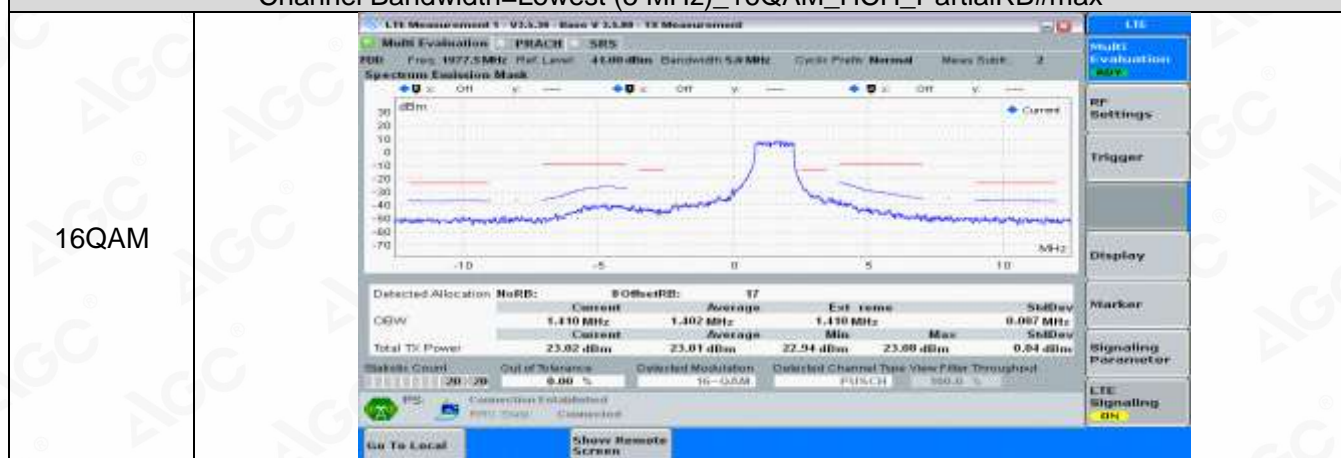
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
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16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	

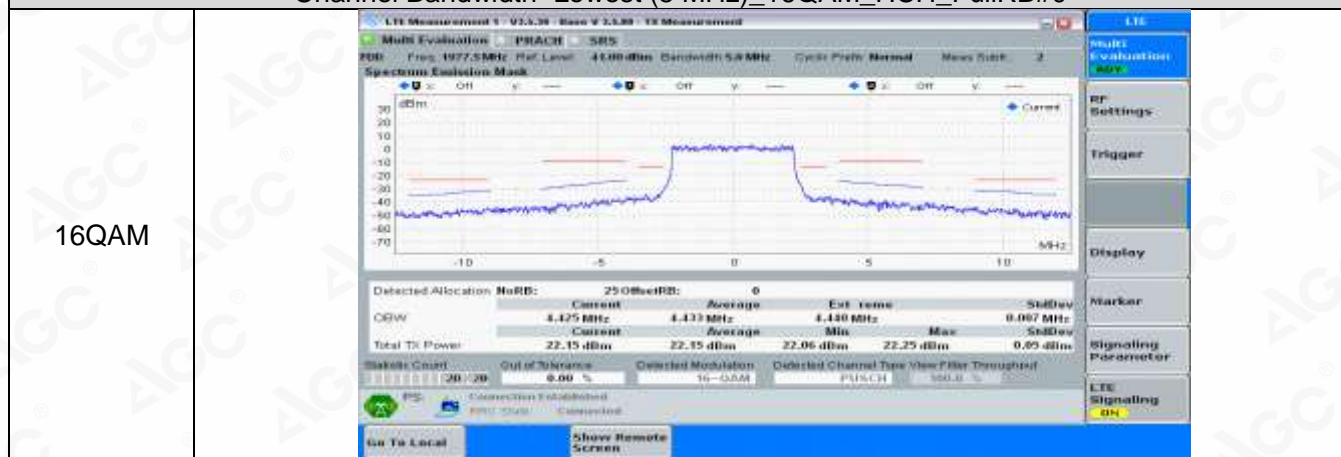




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max

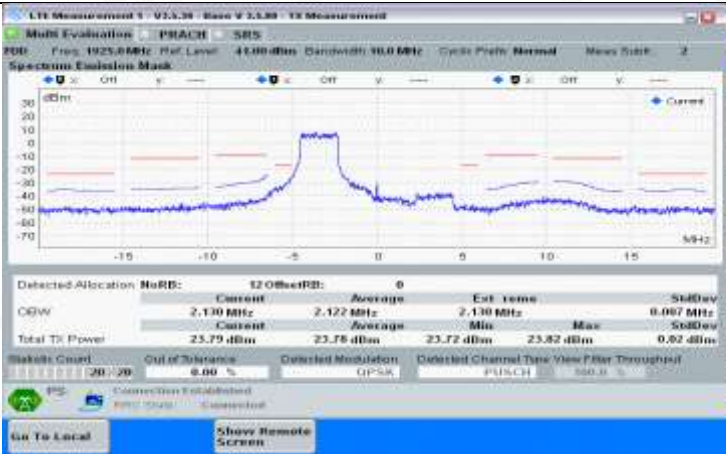
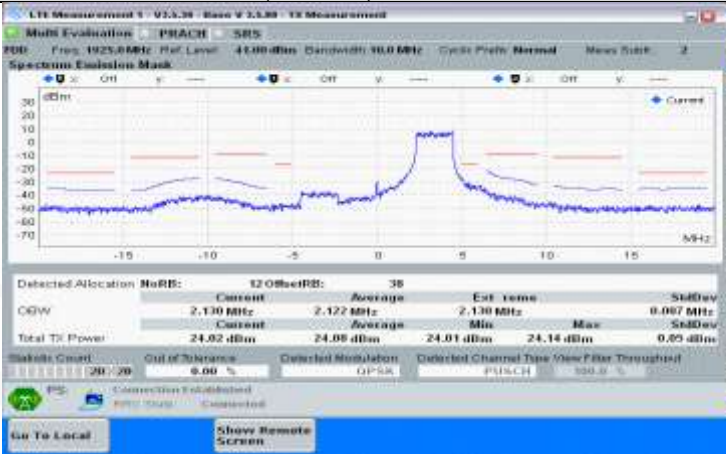
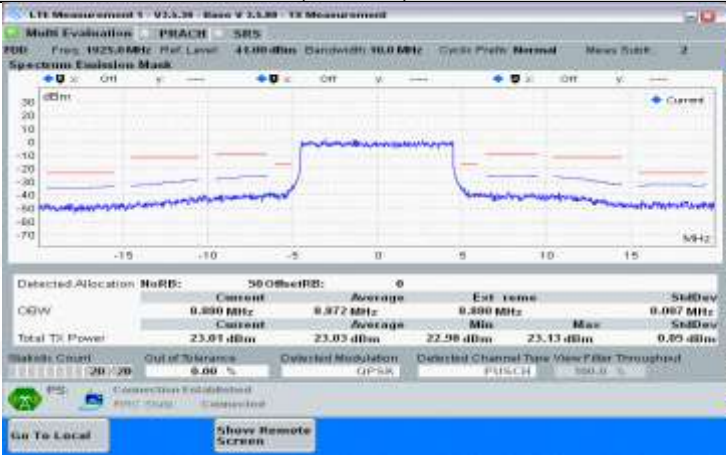


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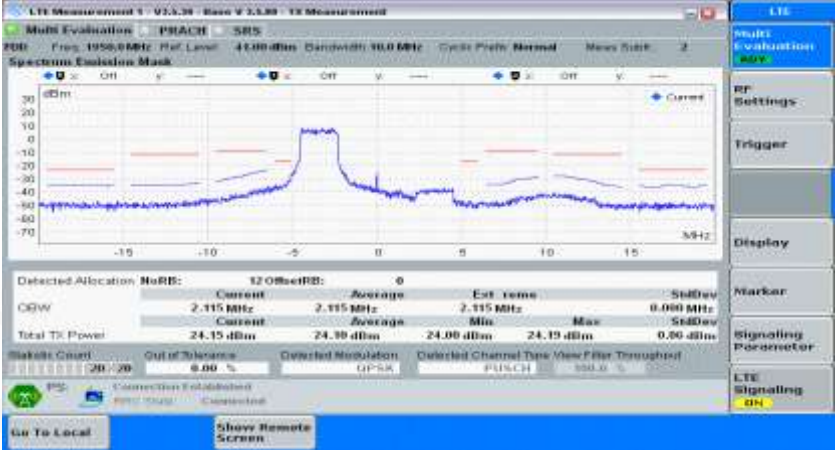
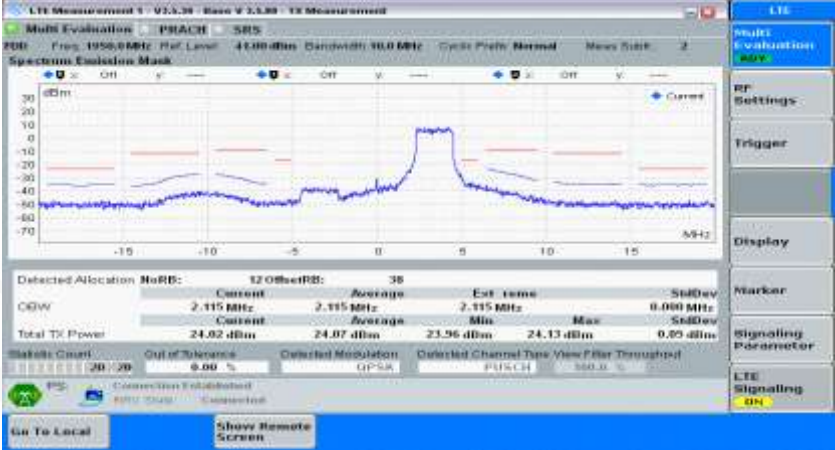
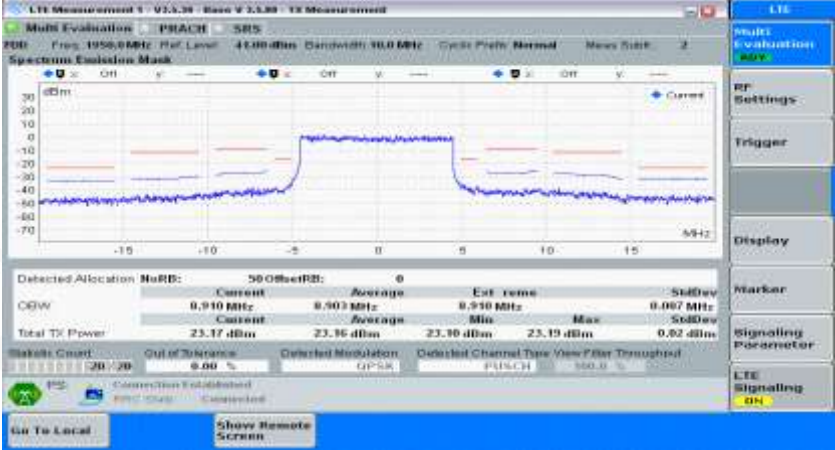


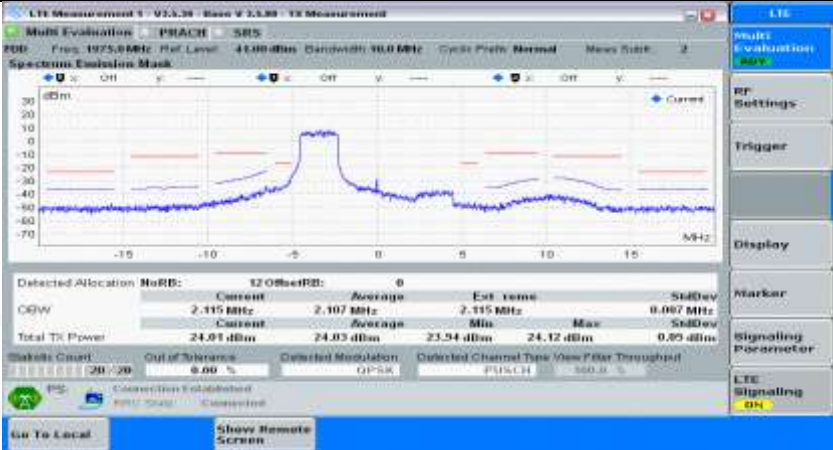
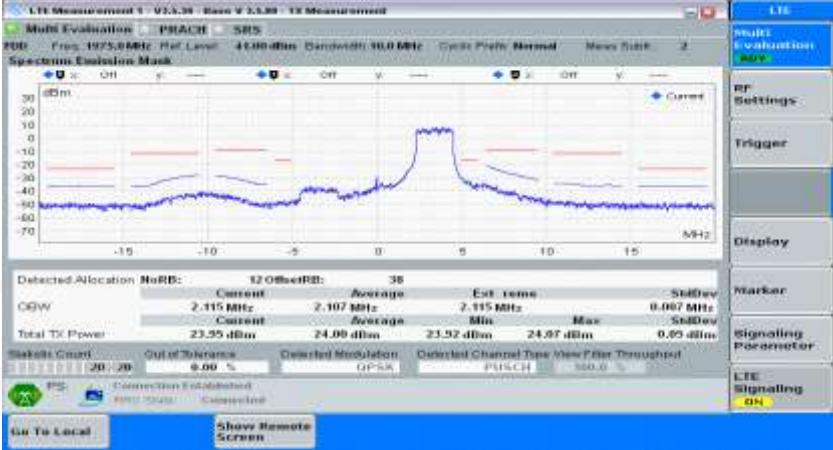
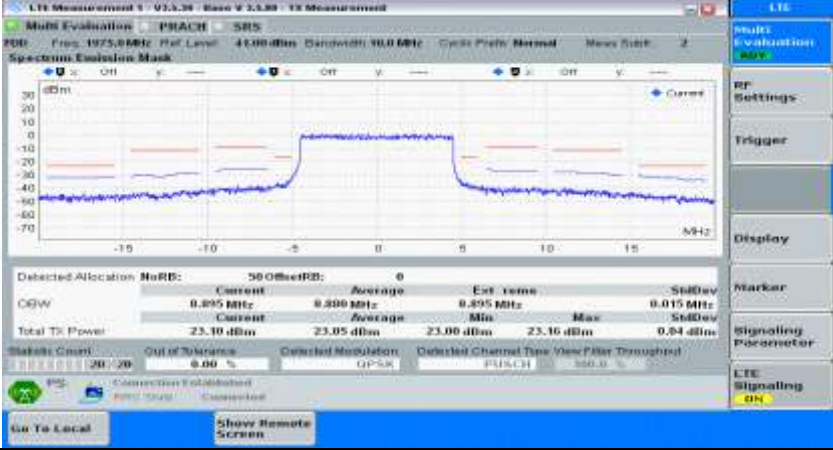
Channel Bandwidth= (10 MHz)

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0

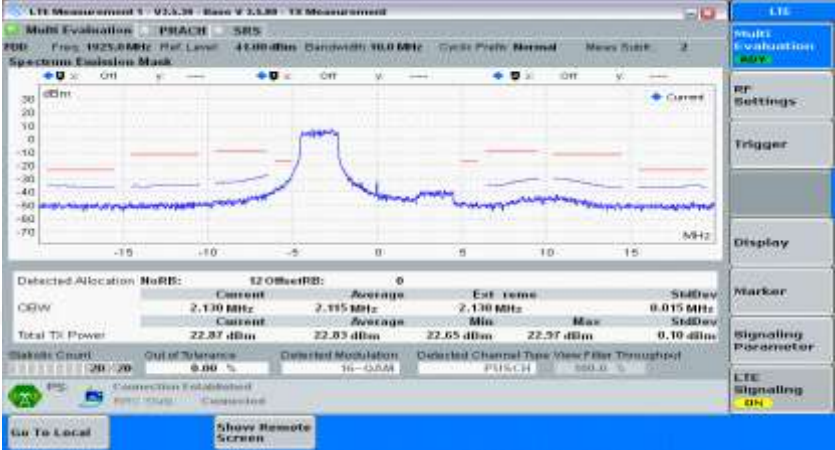
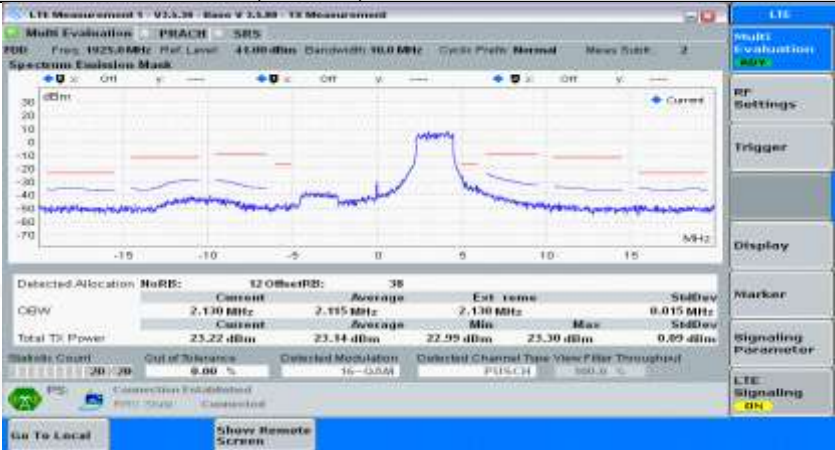
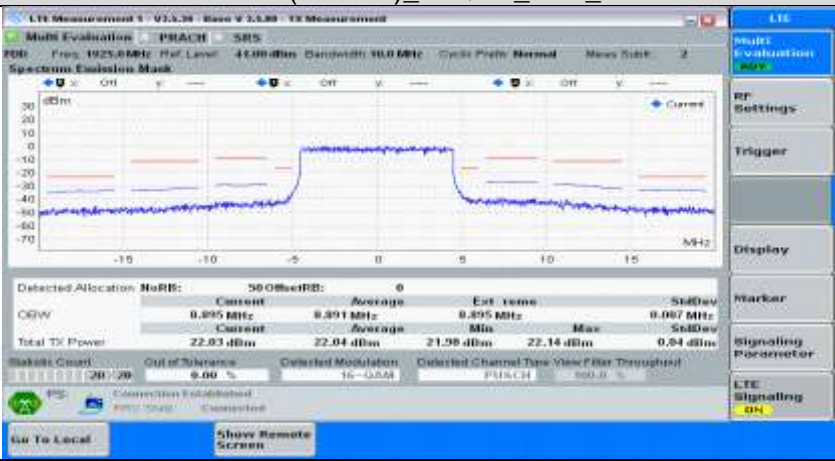
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Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
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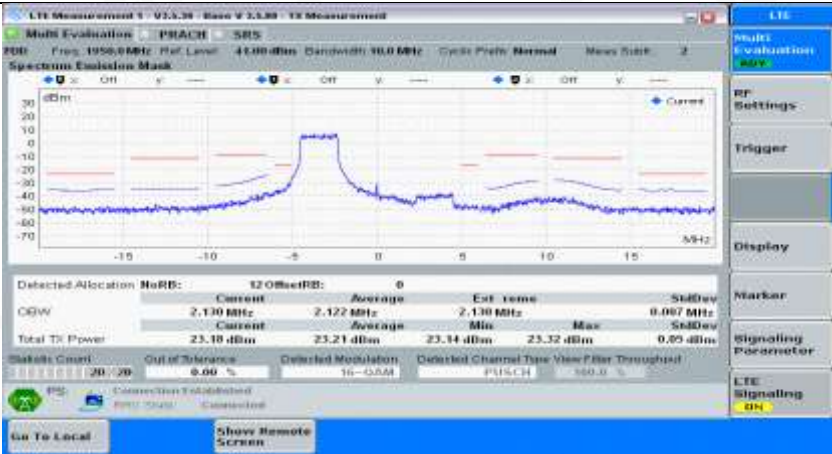
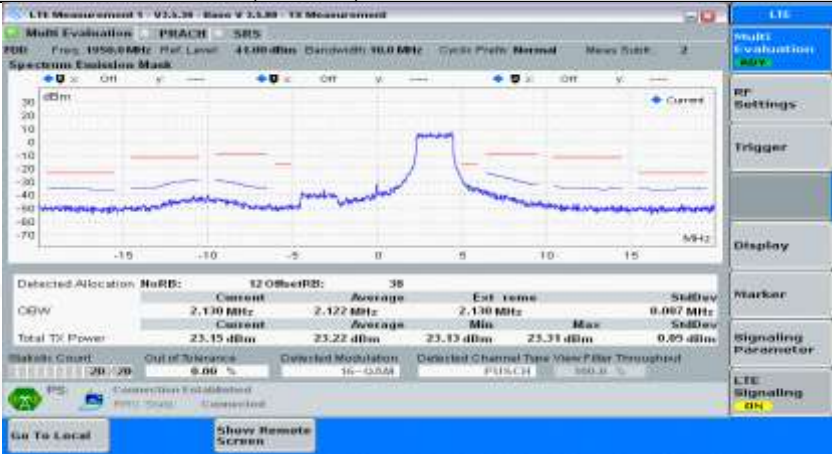
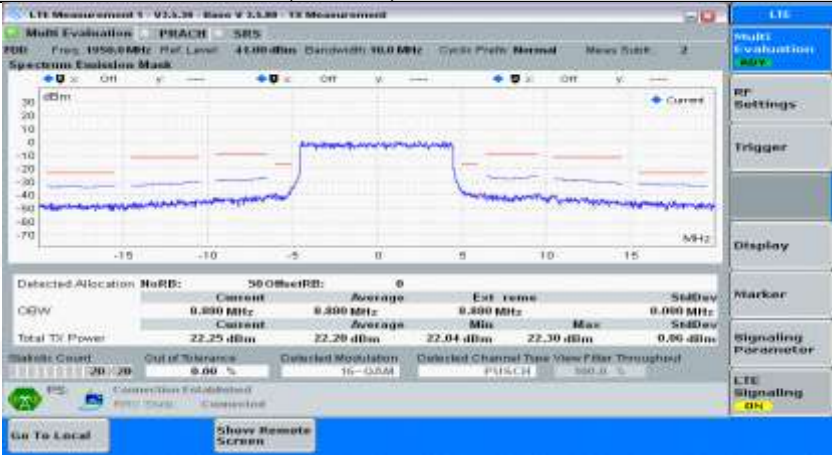


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QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

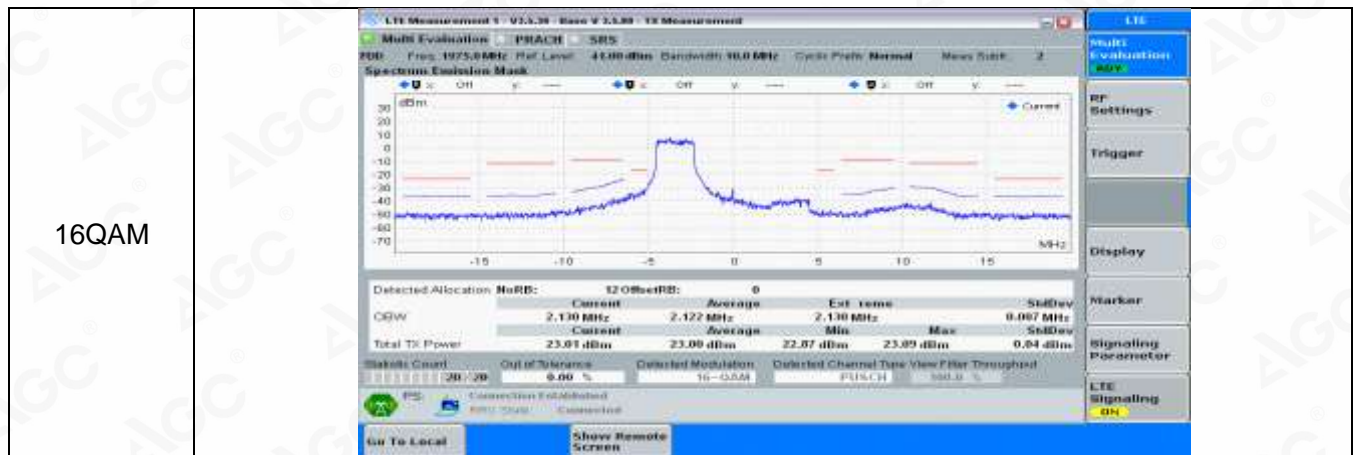
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Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	



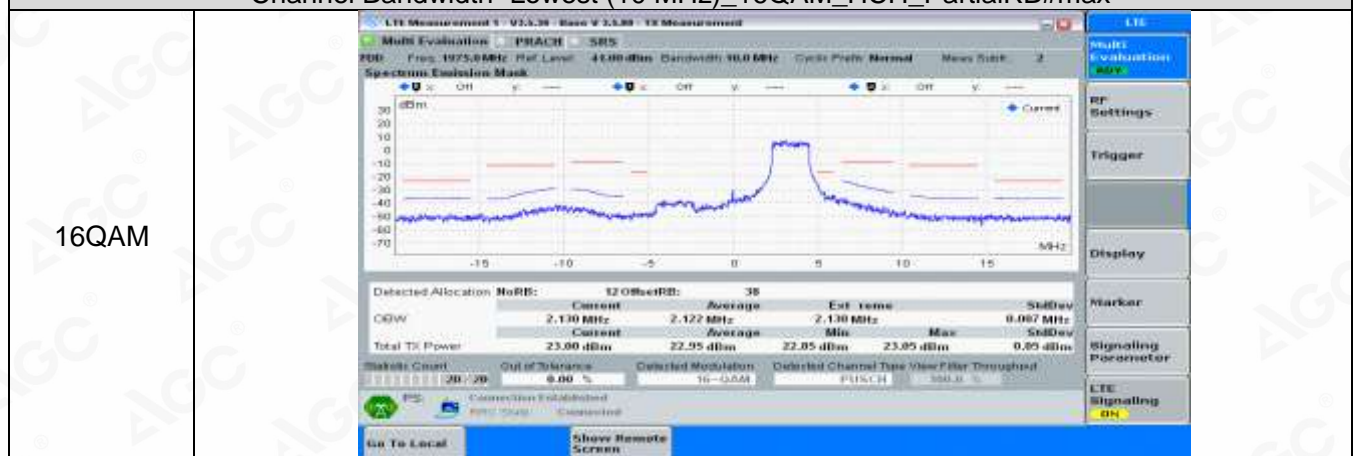
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16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
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16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	

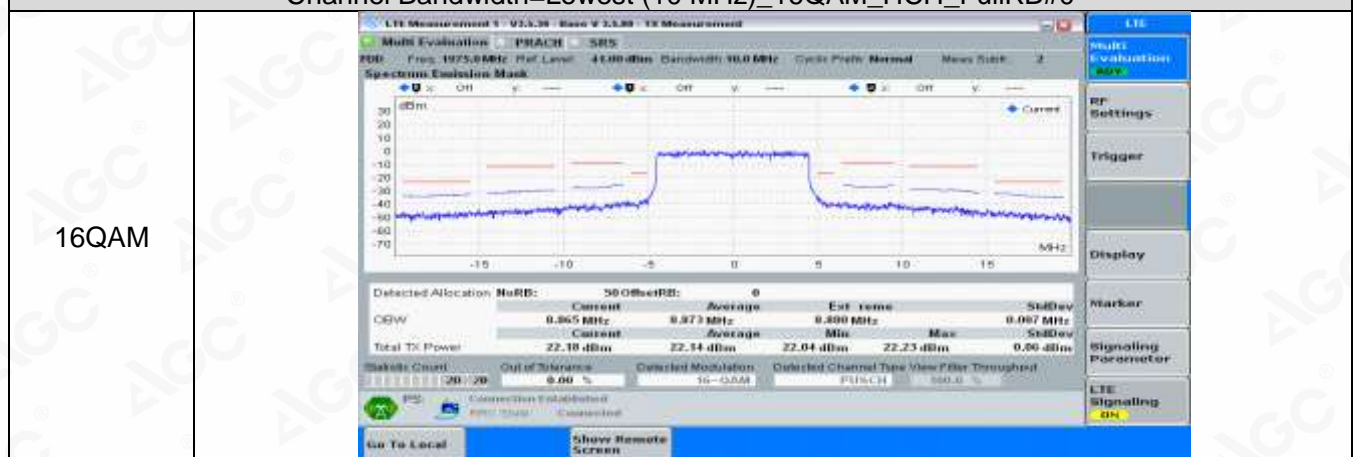




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_PartialRB#max

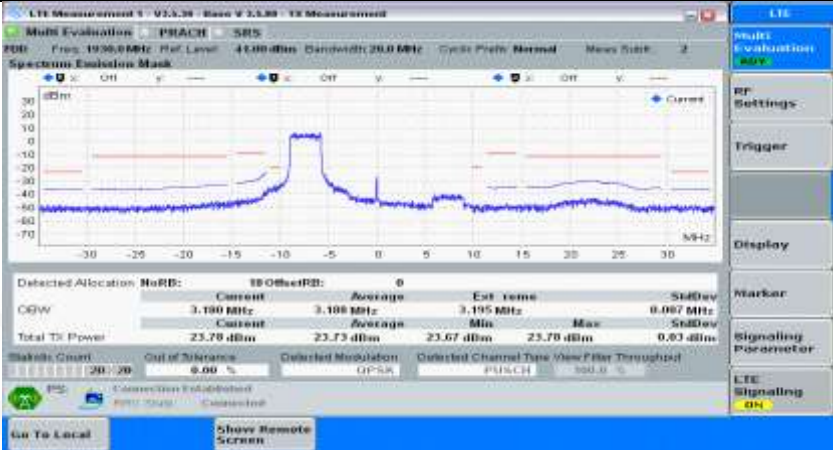
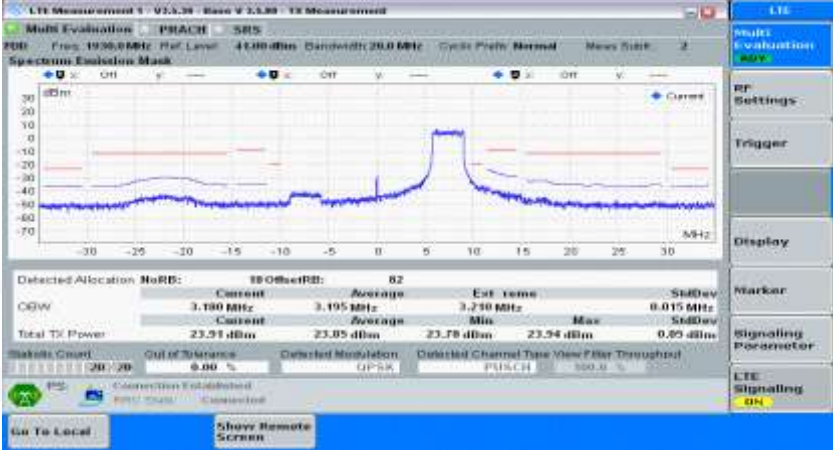
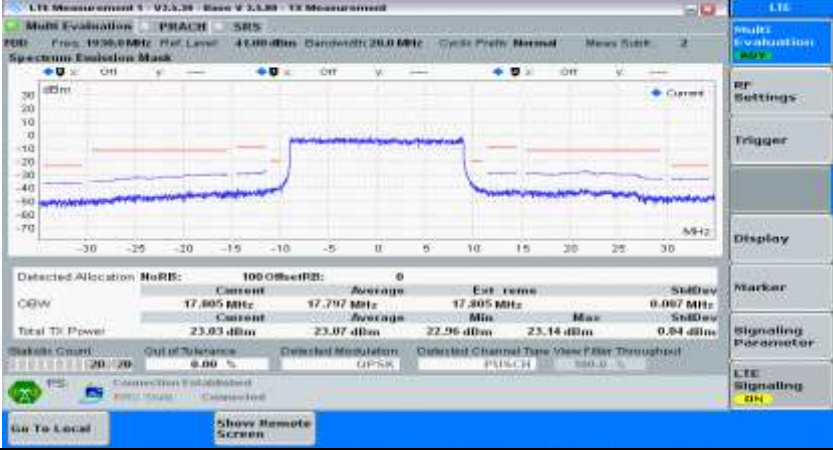


Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0

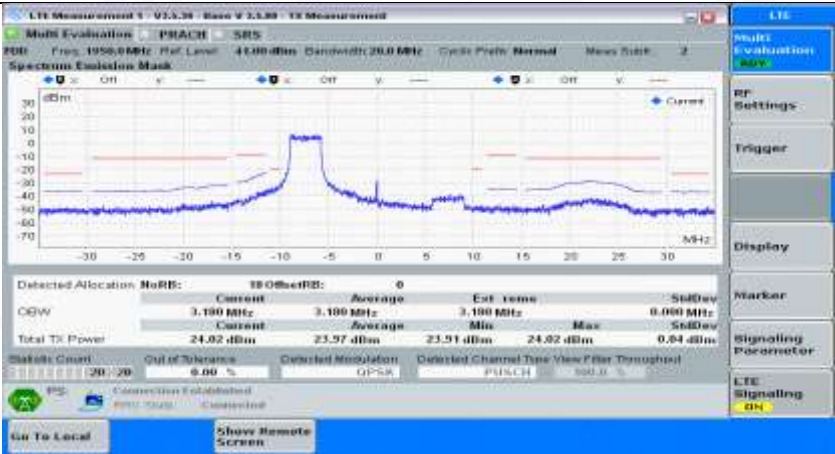
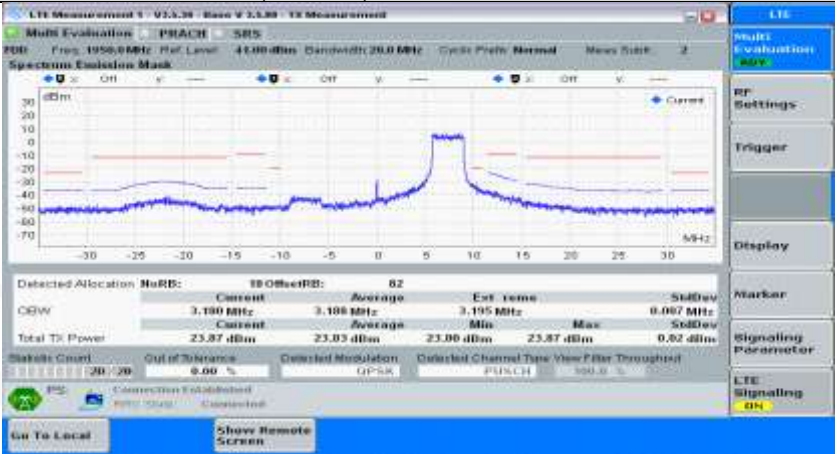
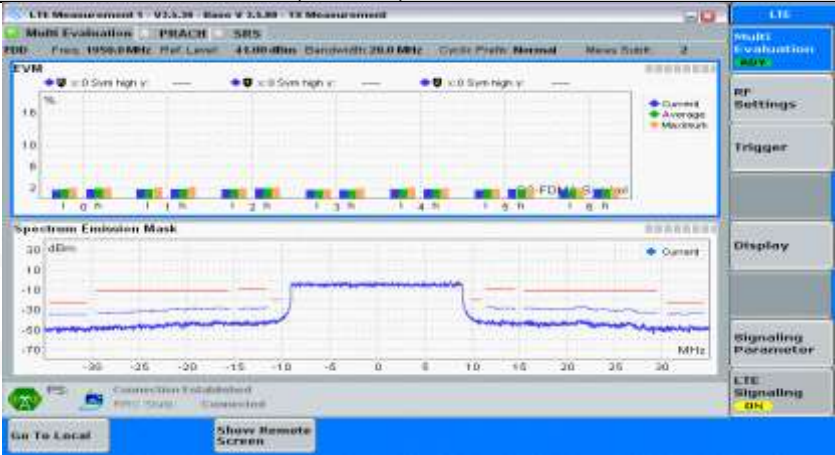


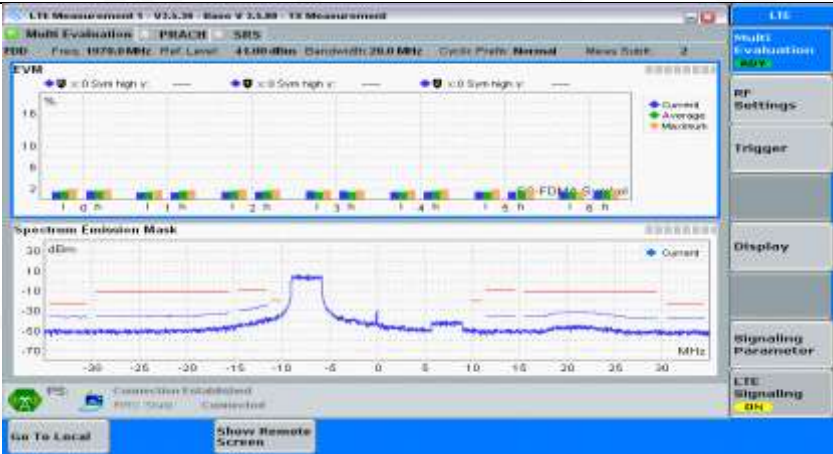
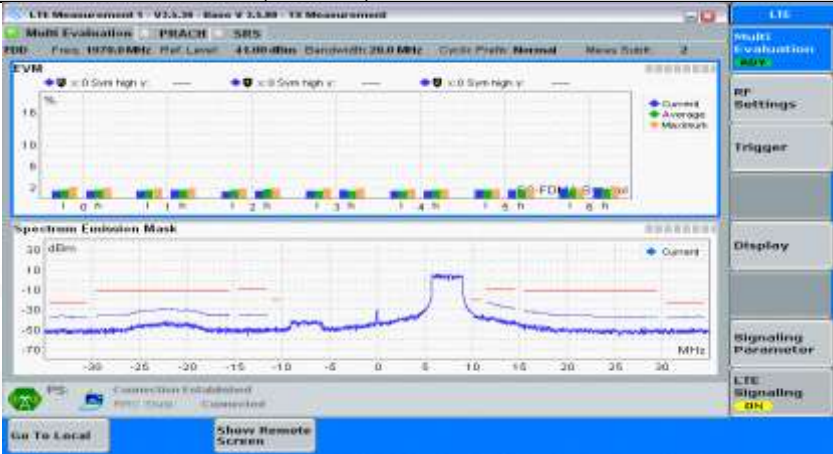
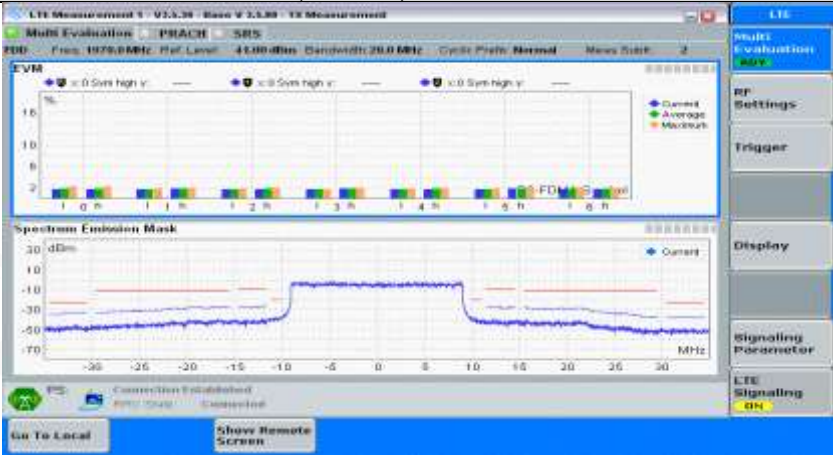
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Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0

QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialIRB#0	



QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	

QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		

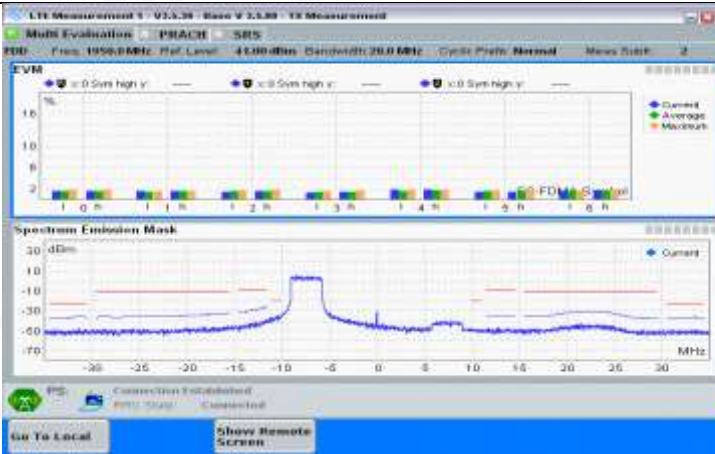
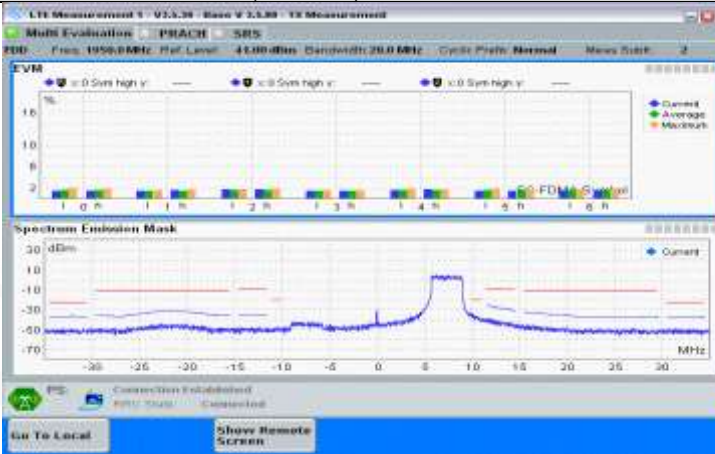
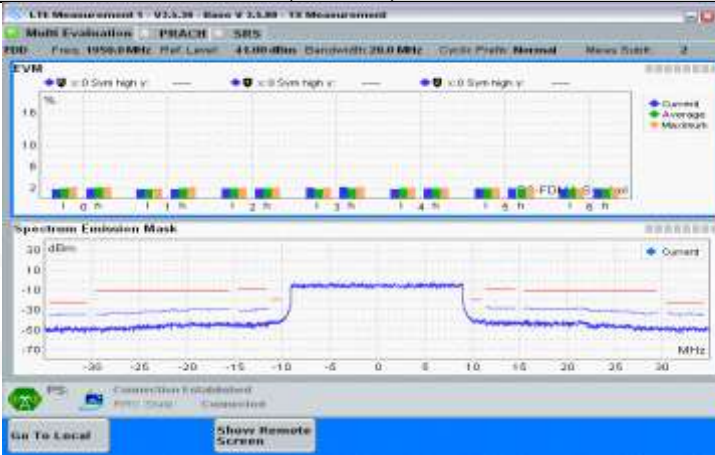


The figure displays three screenshots of the LTE Measurement Screenshot 1, showing the Spectrum Emission Mask (SEM) plot for 16QAM modulation. Each plot shows a single channel with a peak at 0 MHz. The plots are for different channel bandwidths and modulation schemes: 16QAM LCH\_PartialRB#max, 16QAM LCH\_FullRB#0, and 16QAM MCH\_PartialRB#0. The plots show the power spectral density (PSD) in dBm/MHz versus frequency in MHz. The x-axis ranges from -30 to 30 MHz, and the y-axis ranges from -70 to 30 dBm. The plots show a single channel with a peak at 0 MHz.

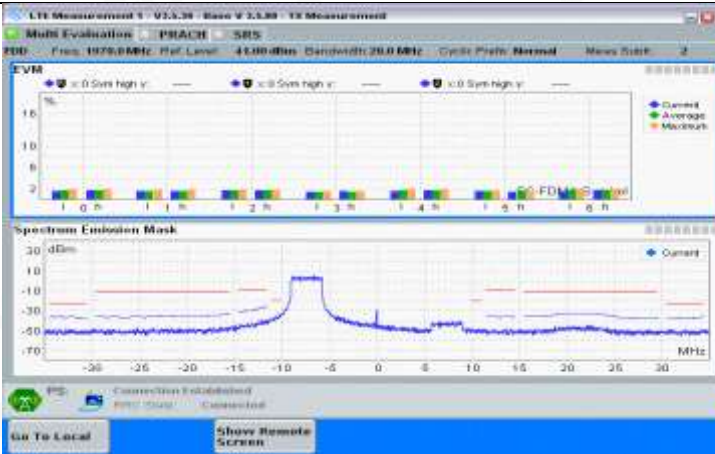
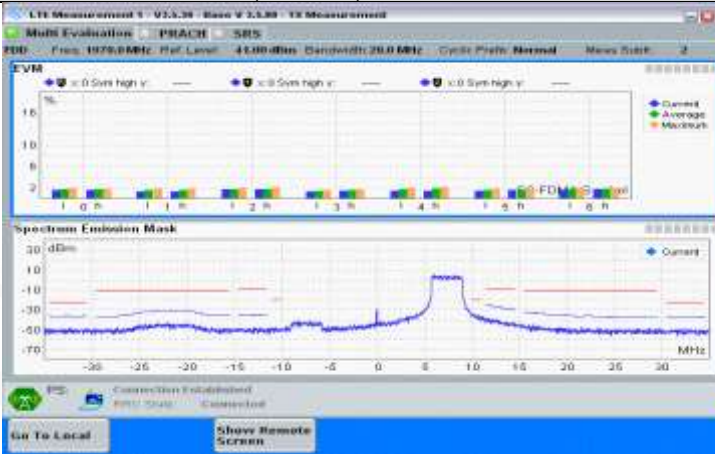
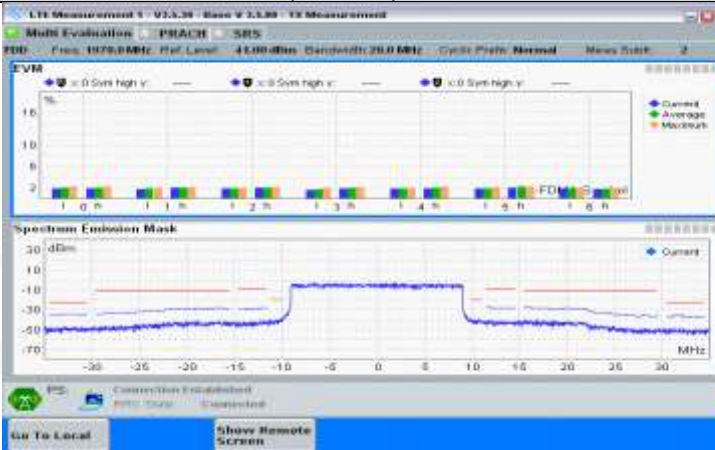
**Channel Bandwidth=Lowest (20 MHz)\_16QAM\_LCH\_PartialRB#max**

**Channel Bandwidth=Lowest (20 MHz)\_16QAM\_LCH\_FullRB#0**

**Channel Bandwidth=Lowest (20 MHz)\_16QAM\_MCH\_PartialRB#0**

16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>



#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
			Full	0	PUMAX	Pass		

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)



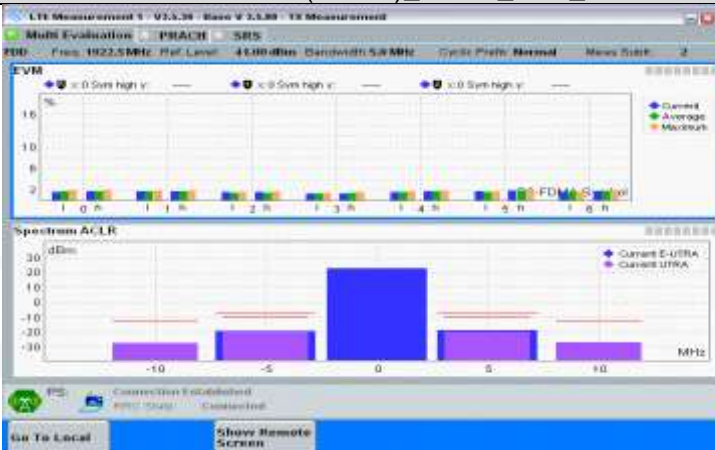
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs




NTNV



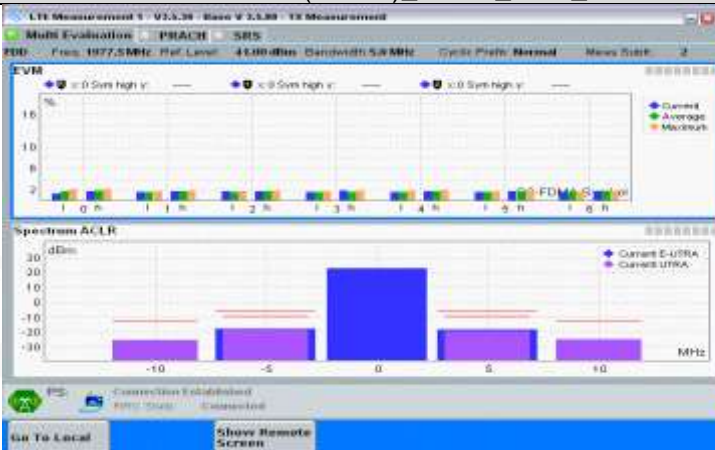
### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
---




QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0		






QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		

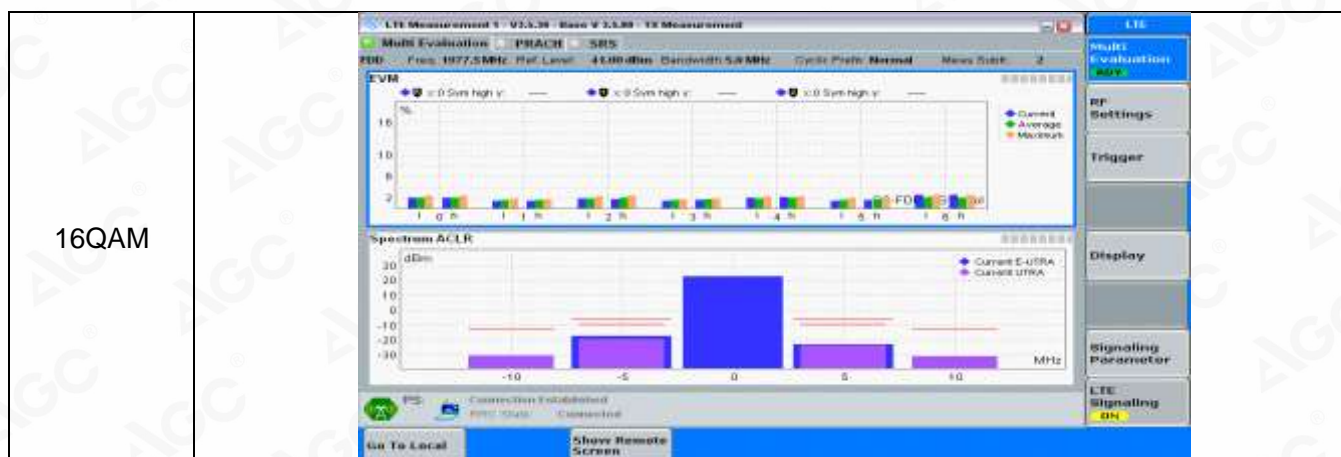
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0		



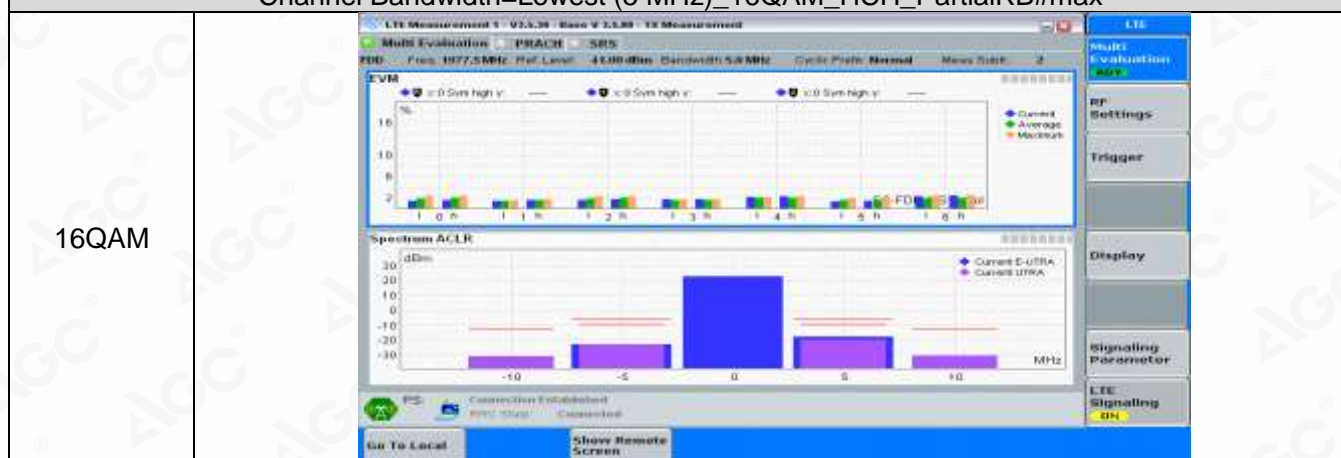
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0		



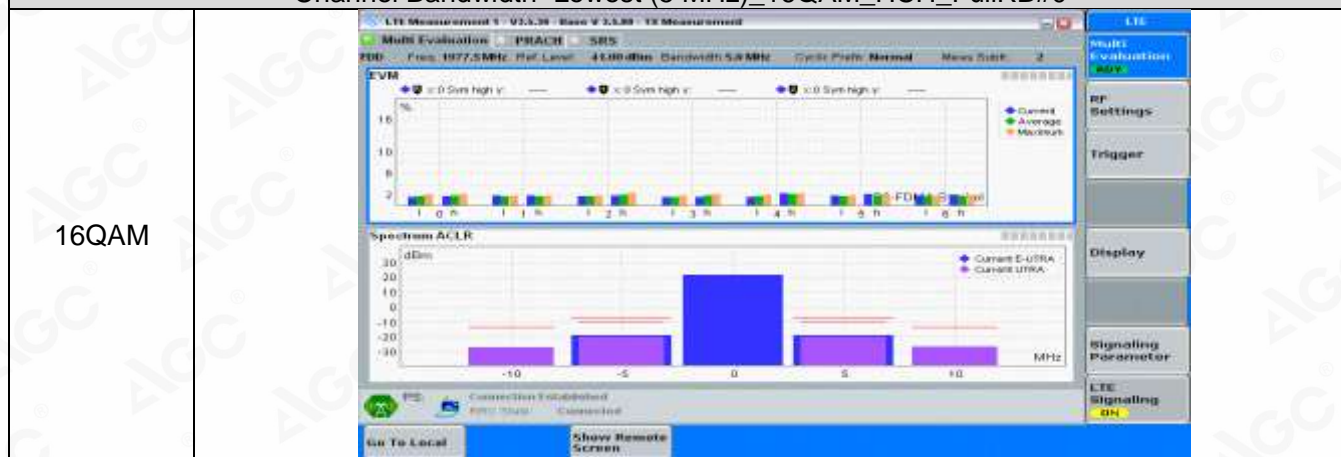
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		



Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max



Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0






Channel Bandwidth= (10 MHz)


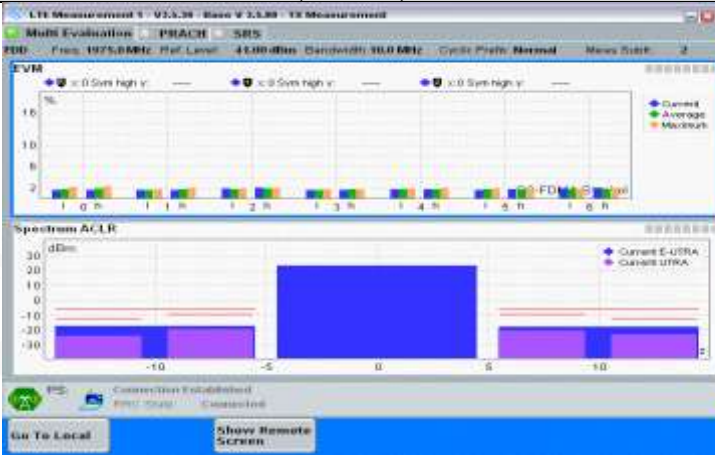
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0






QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0		





QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	

QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		



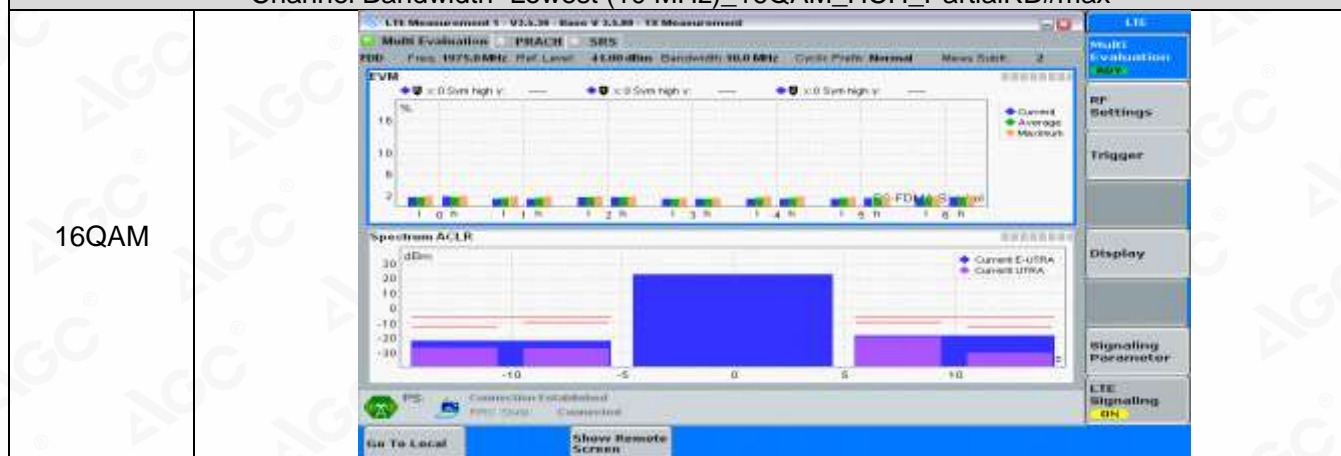
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0		



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0		



Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_PartialRB#max






Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0






Channel Bandwidth=Highest (20 MHz)




Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0






QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0		






QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullIRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0		




QPSK		
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0		
QPSK		
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0	



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

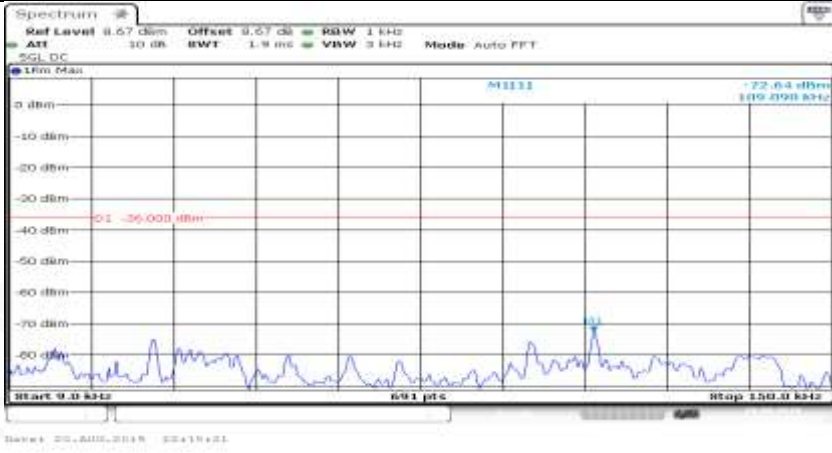
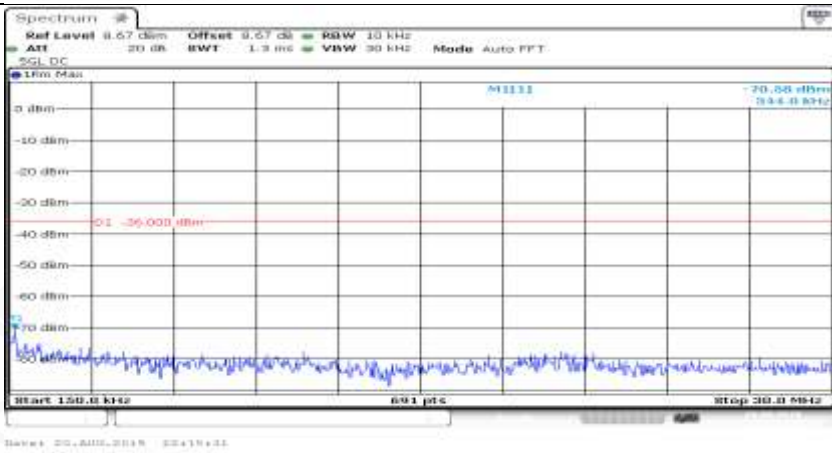
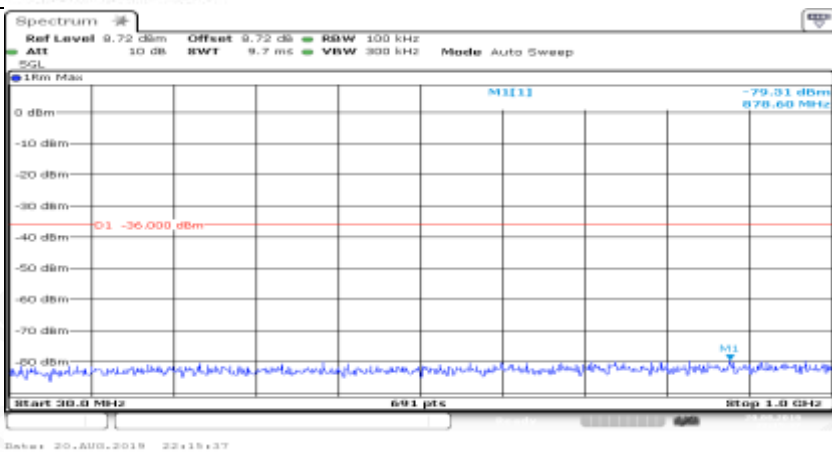
### Test Graphs

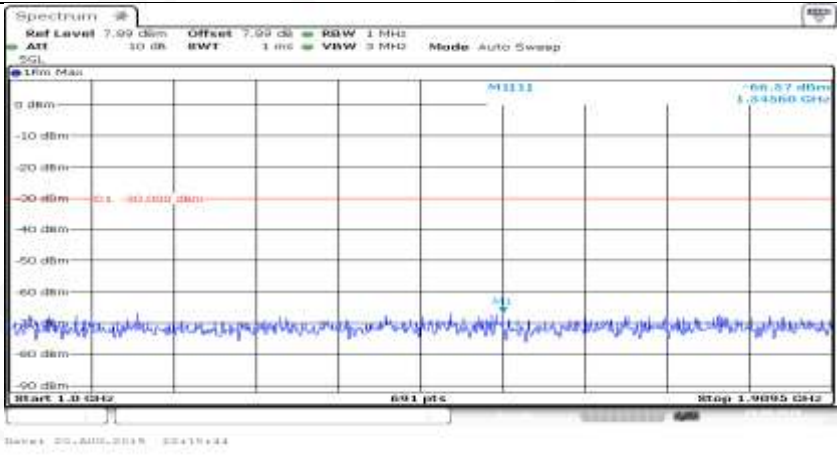
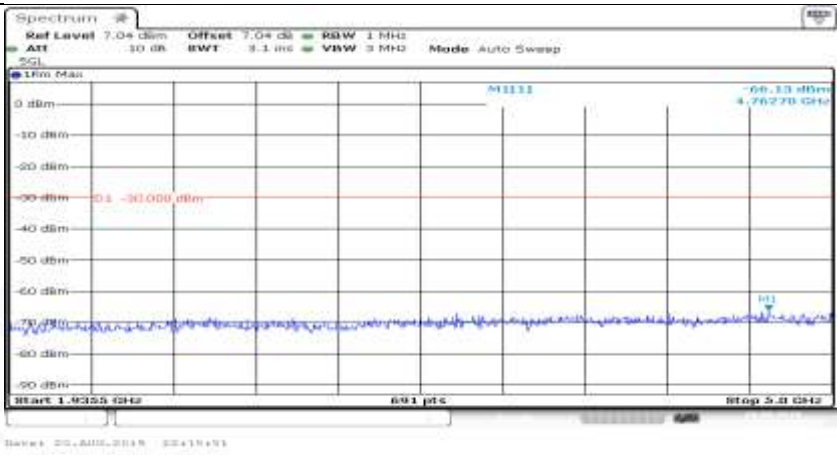
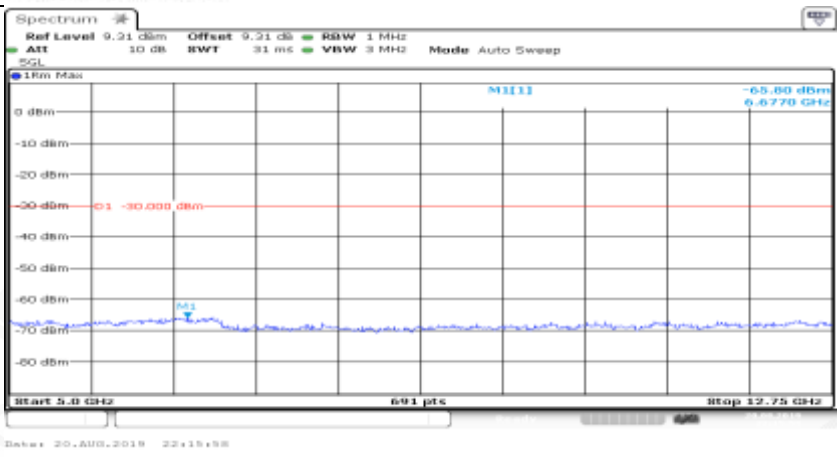
NTNV

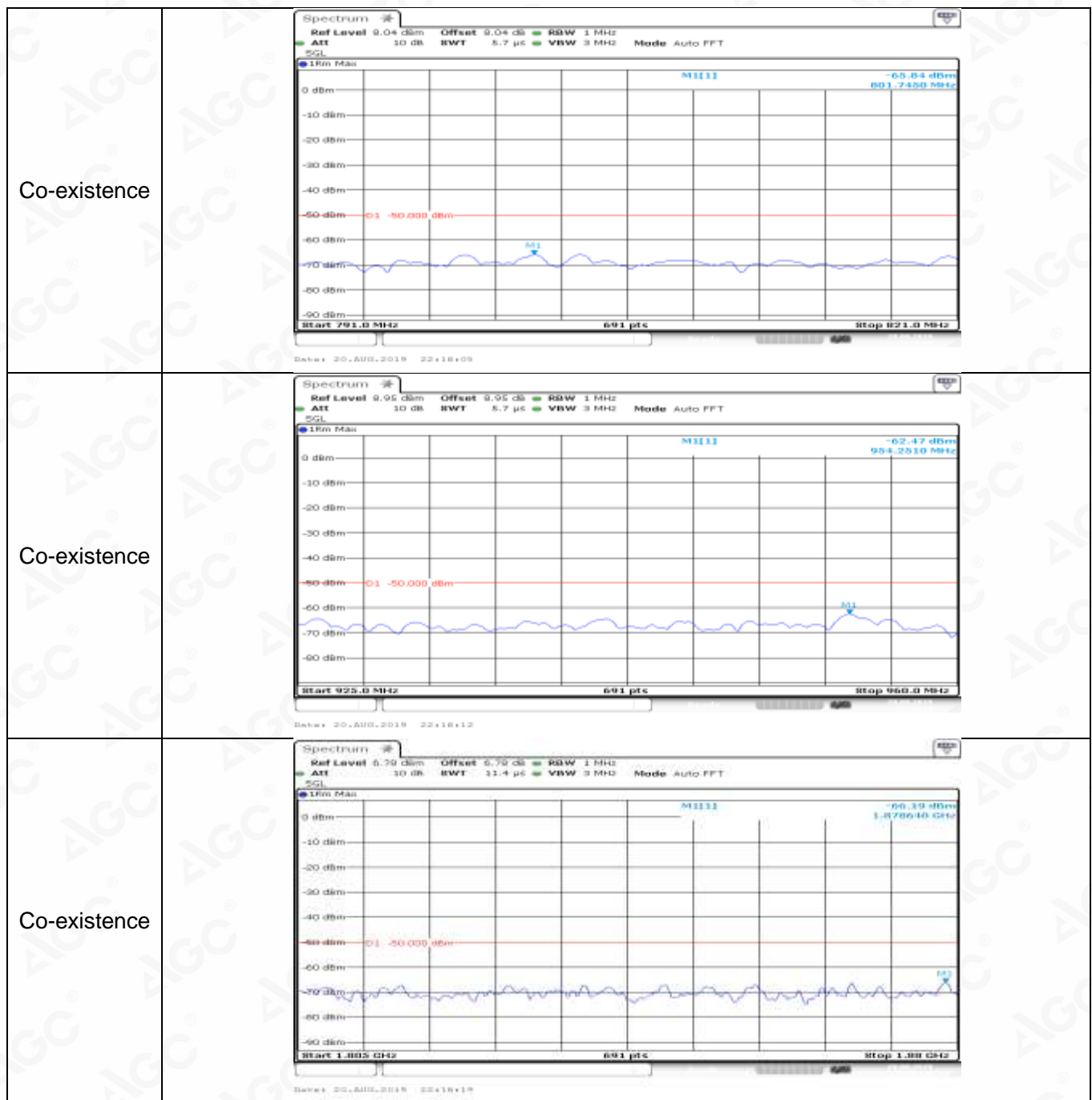
Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#0

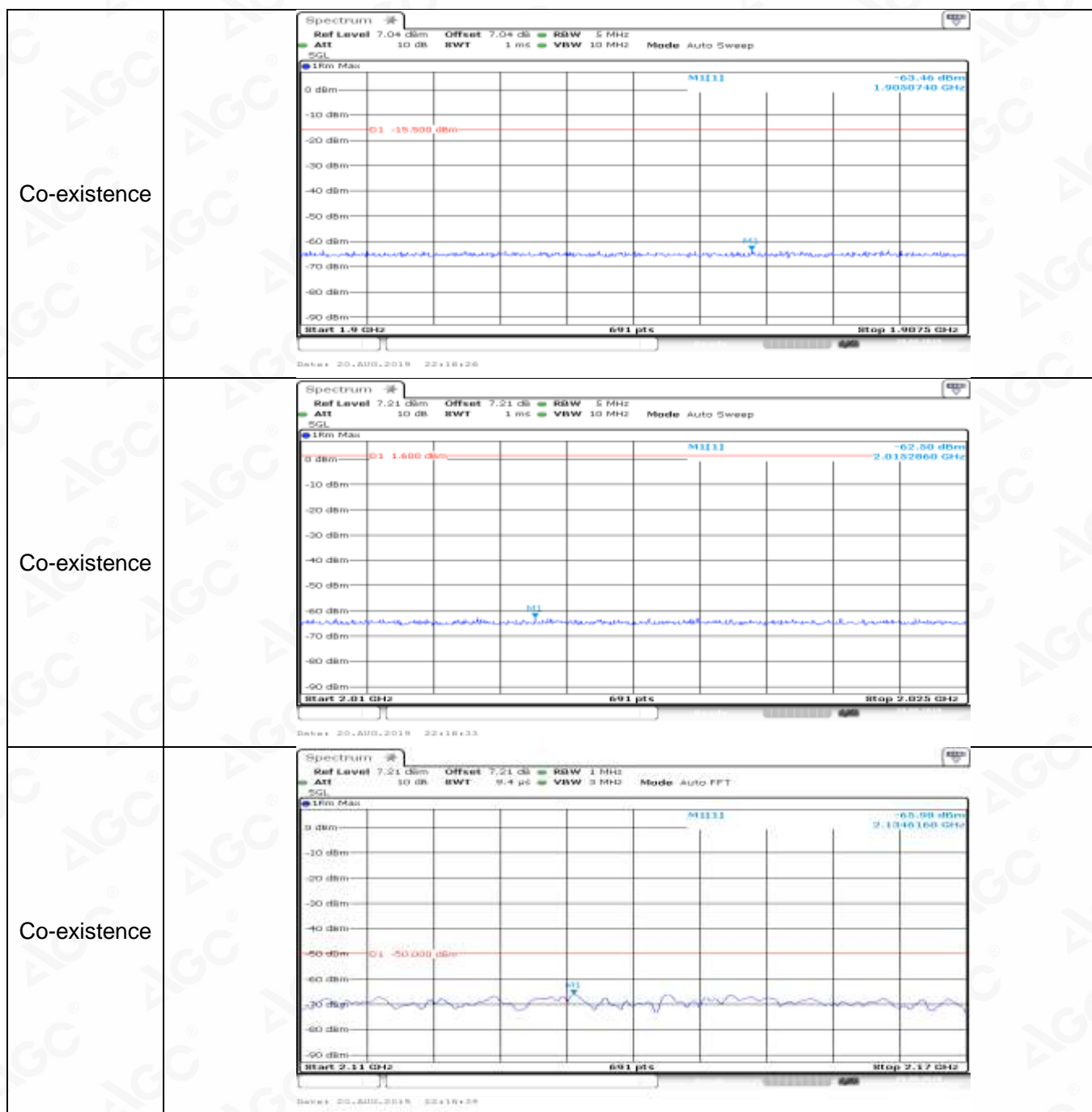


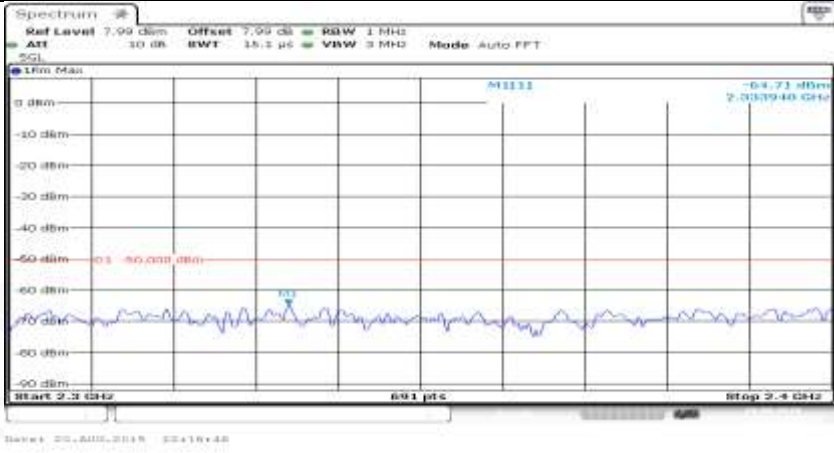
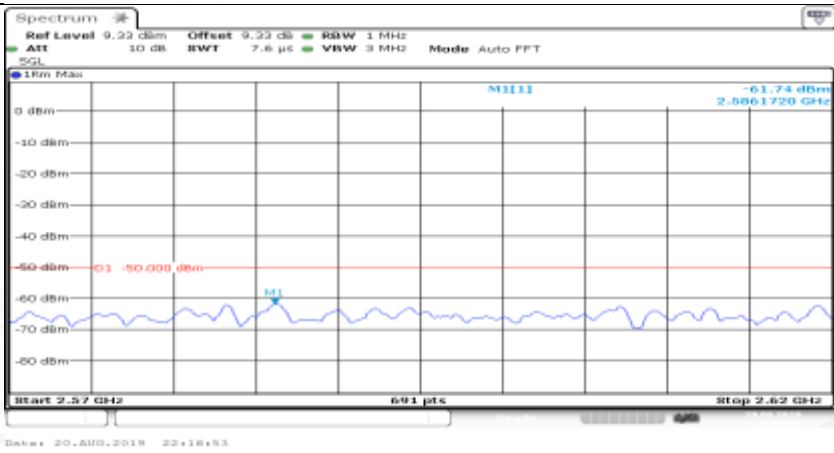
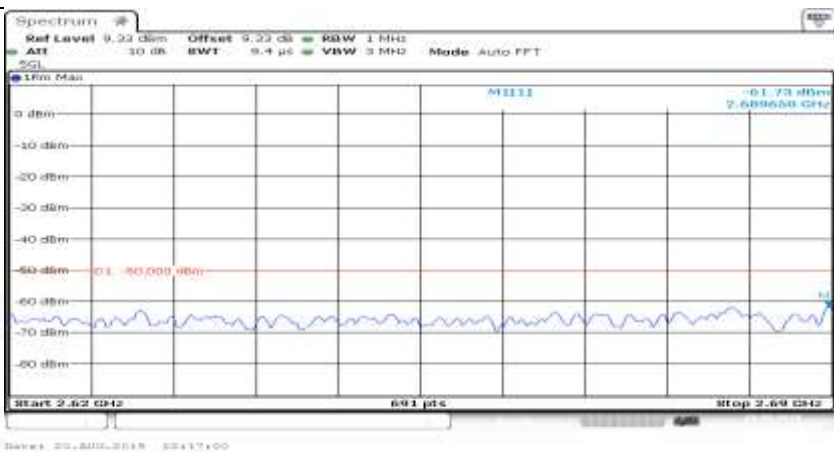
General	
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General	

General	
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General	

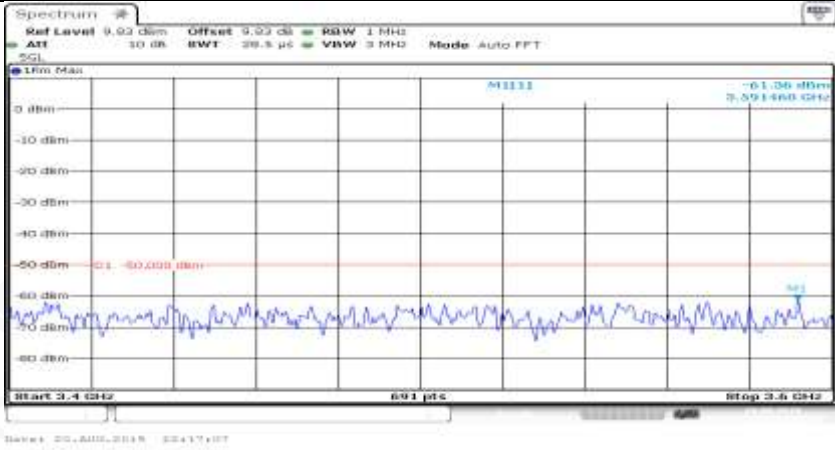
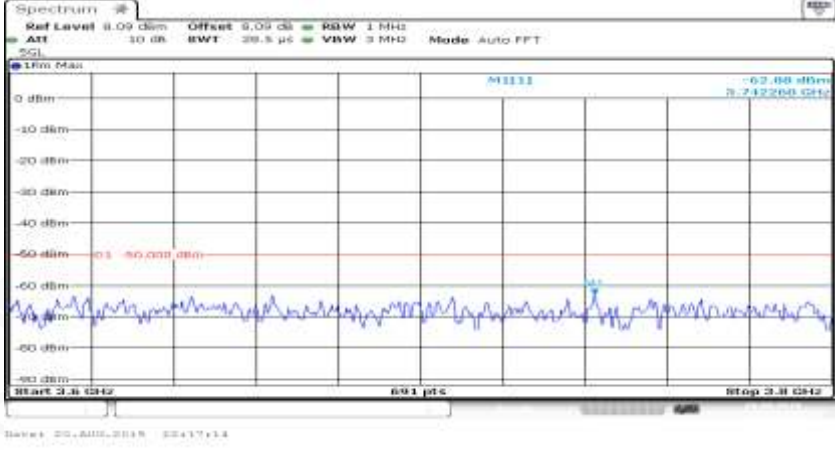







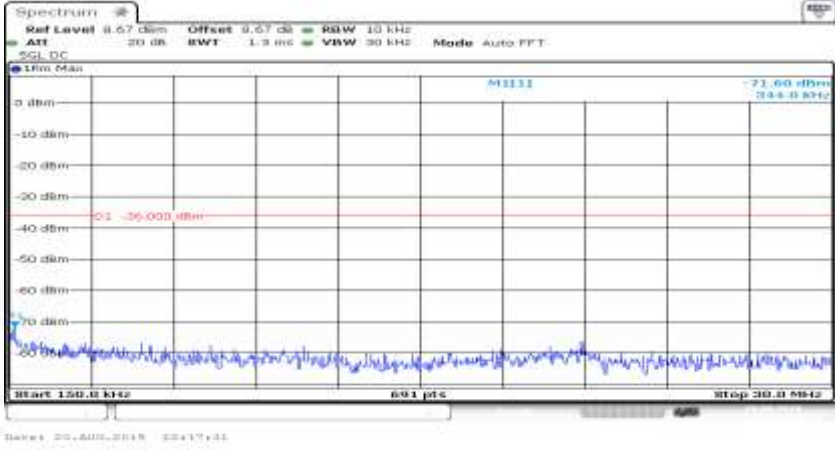
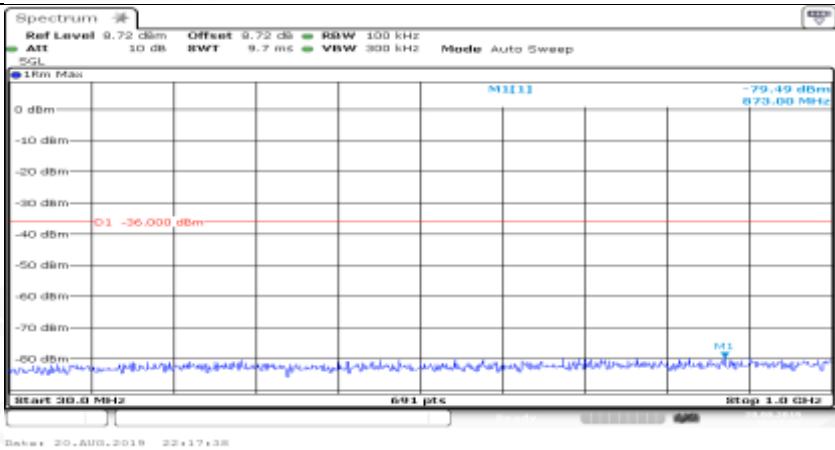
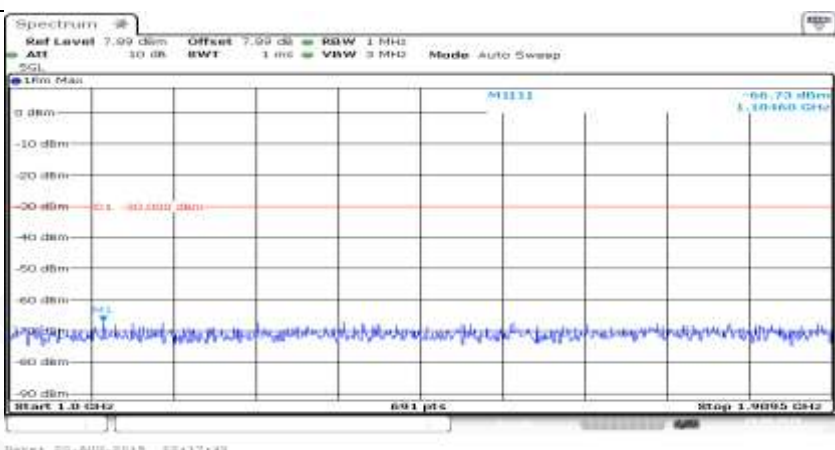
Co-existence	
Co-existence	
Co-existence	

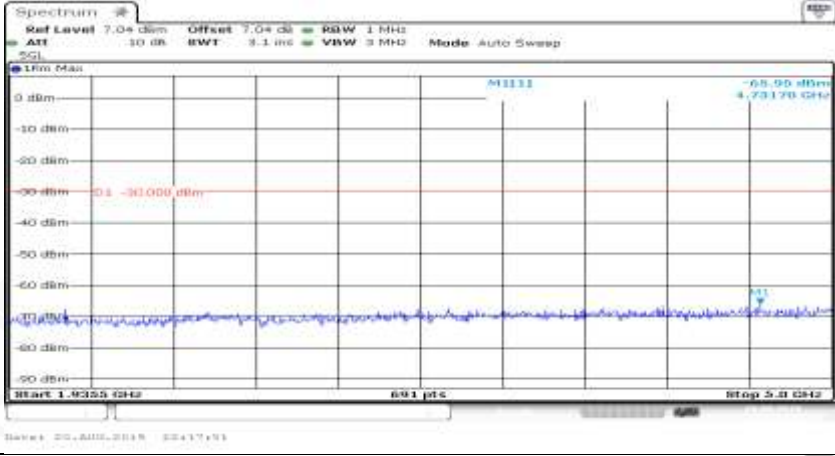
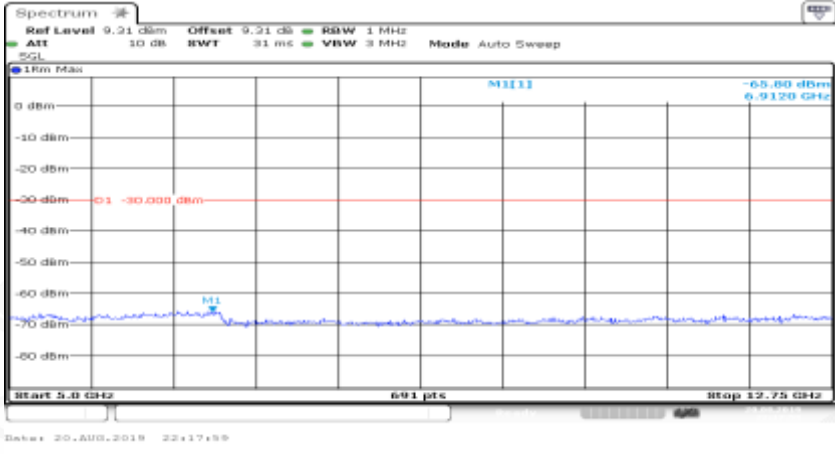
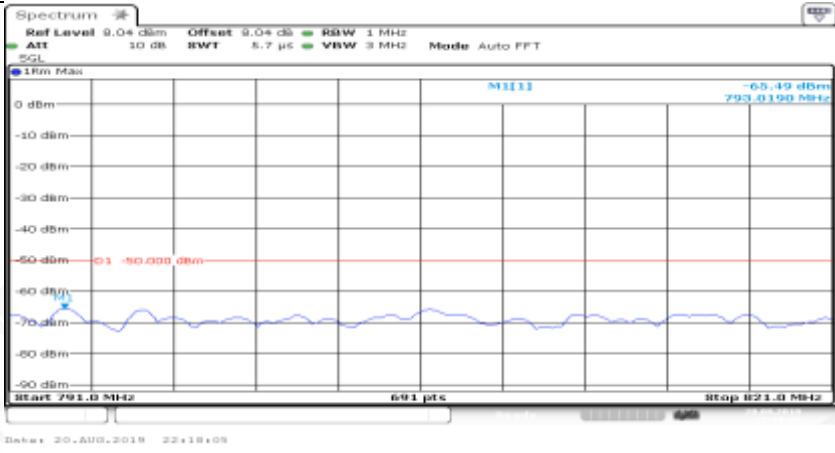


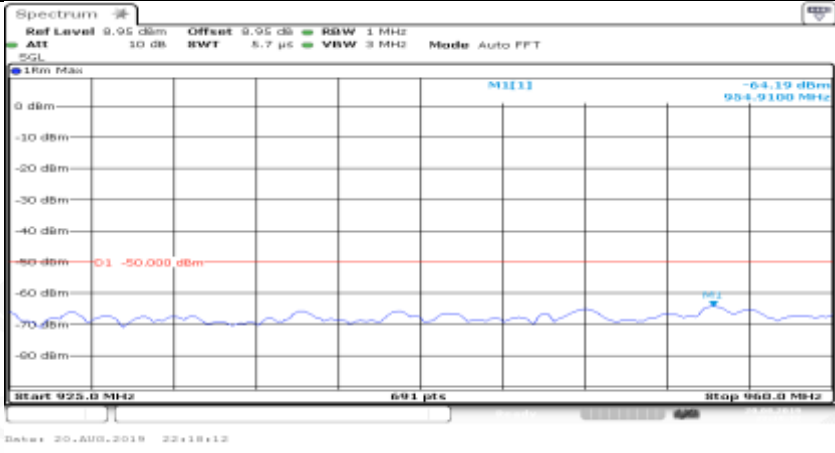
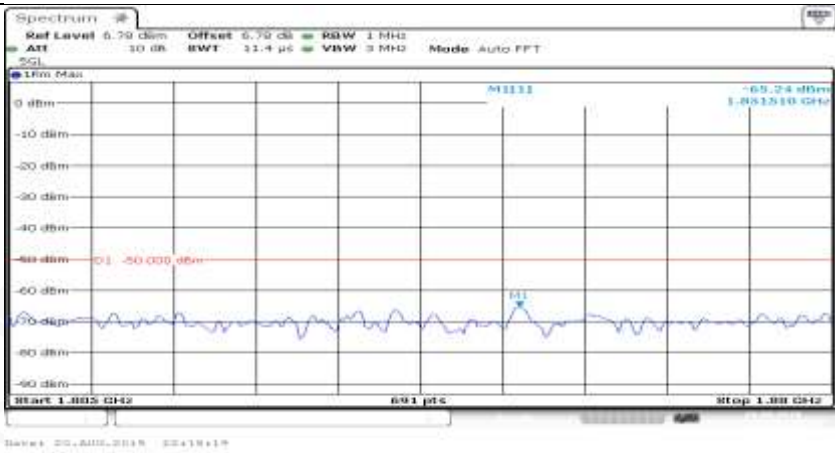
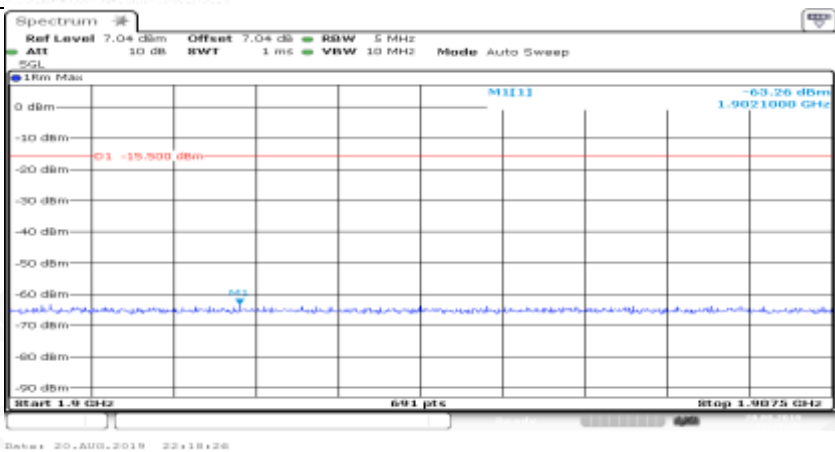
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	

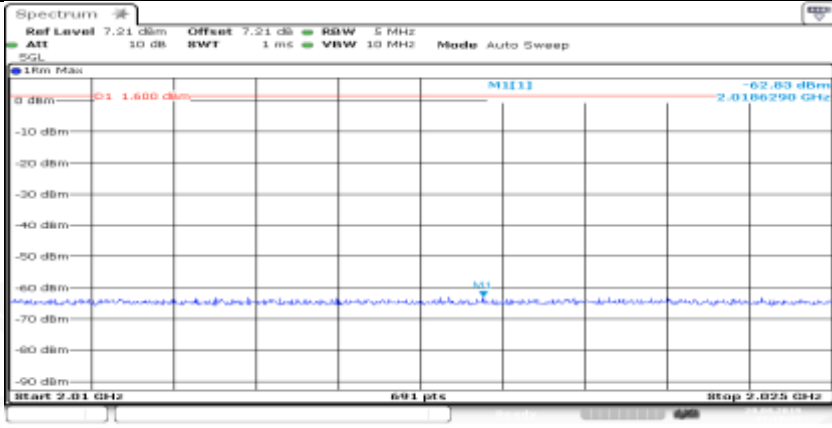

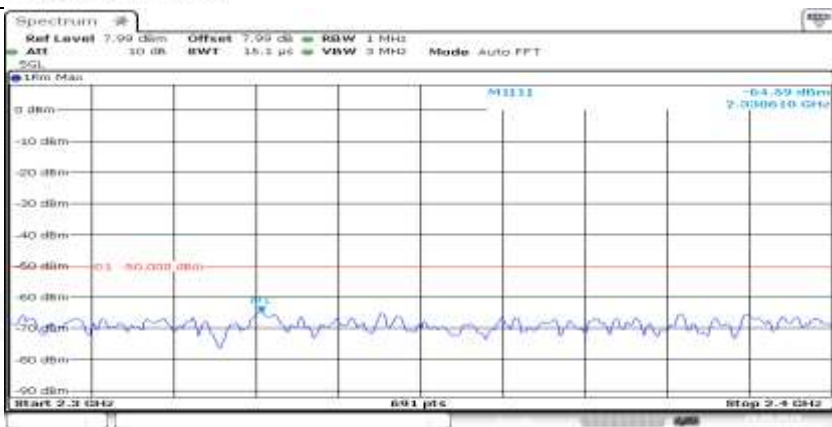


General	
General	
General	

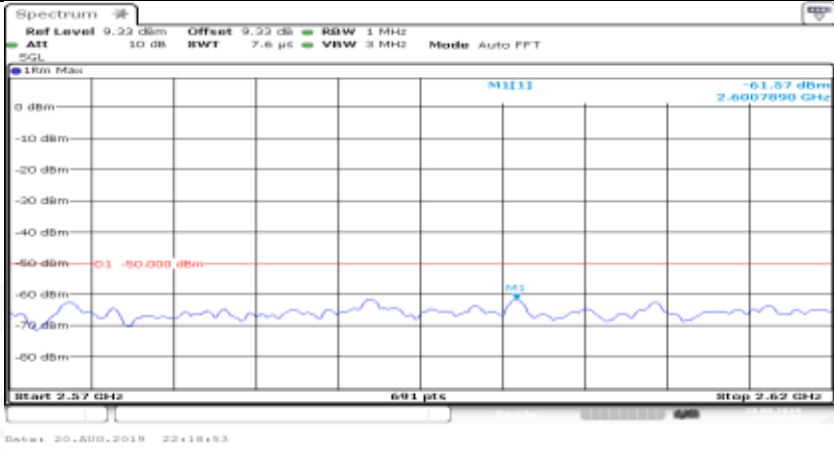


General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

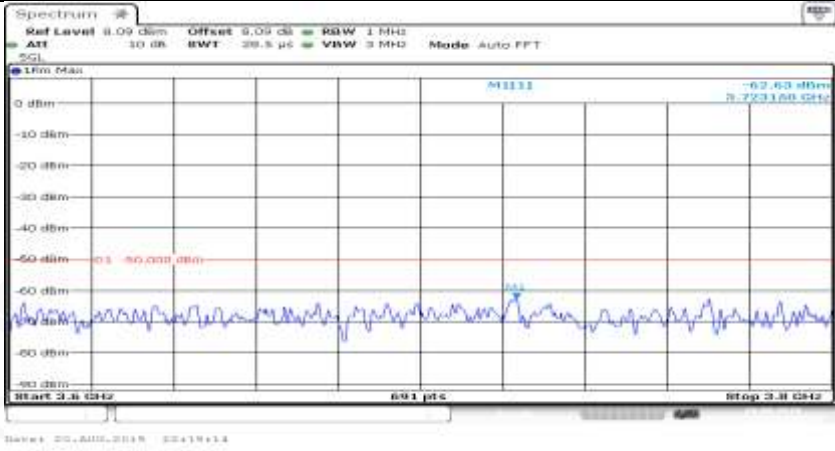


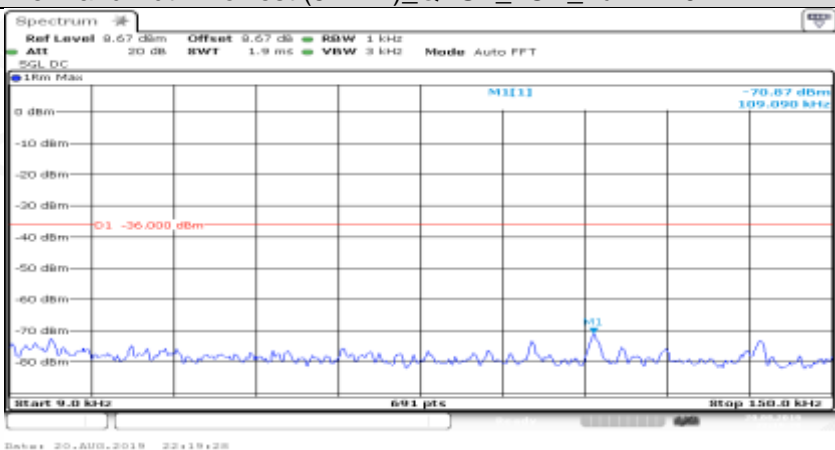
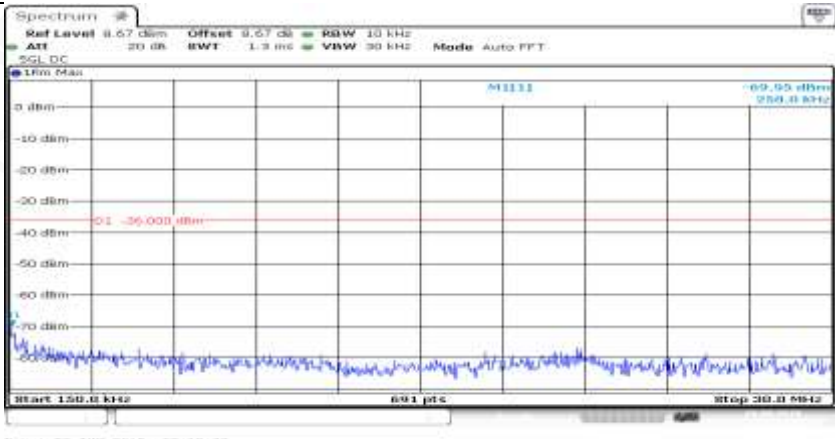
Co-existence	 <p>Spectrum plot showing a signal at 2.01 GHz. The power level is -62.83 dBm. The frequency range is from 2.01 GHz to 2.025 GHz. The power level is -62.83 dBm at 2.0186290 GHz.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.11 GHz. The power level is -65.12 dBm. The frequency range is from 2.11 GHz to 2.12 GHz. The power level is -65.12 dBm at 2.1199730 GHz.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.4 GHz. The power level is -64.59 dBm. The frequency range is from 2.4 GHz to 2.4 GHz. The power level is -64.59 dBm at 2.400610 GHz.</p>



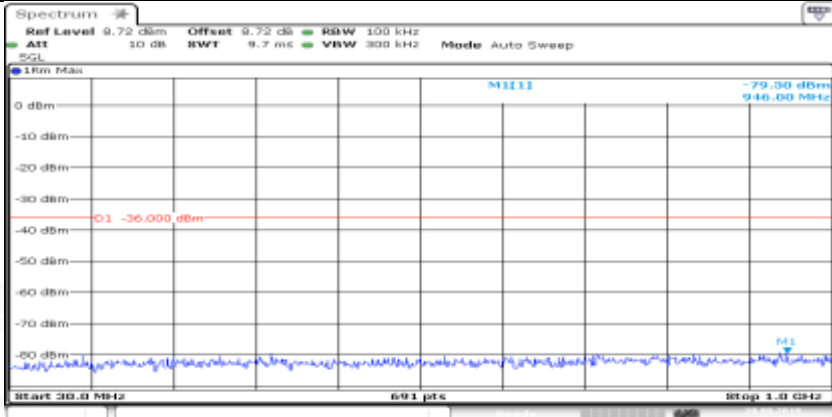
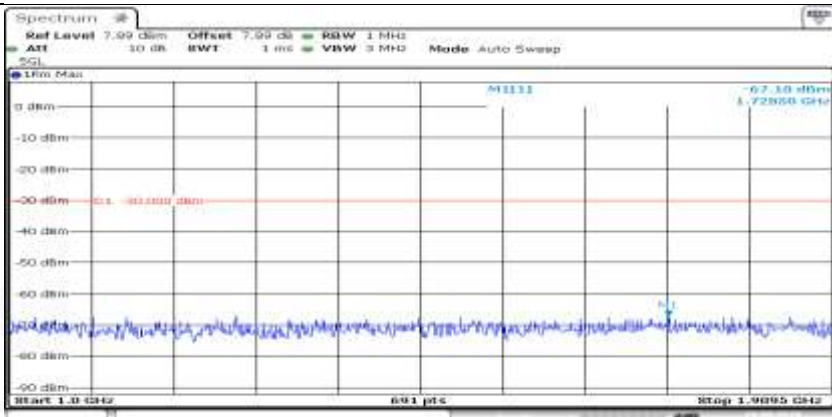
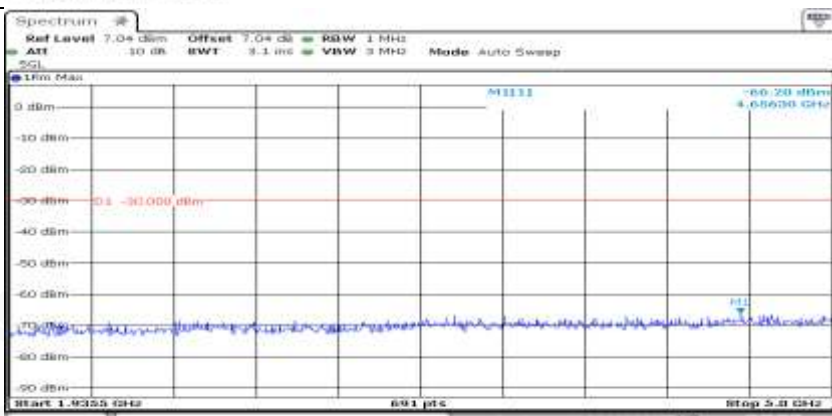
Co-existence	
Co-existence	
Co-existence	

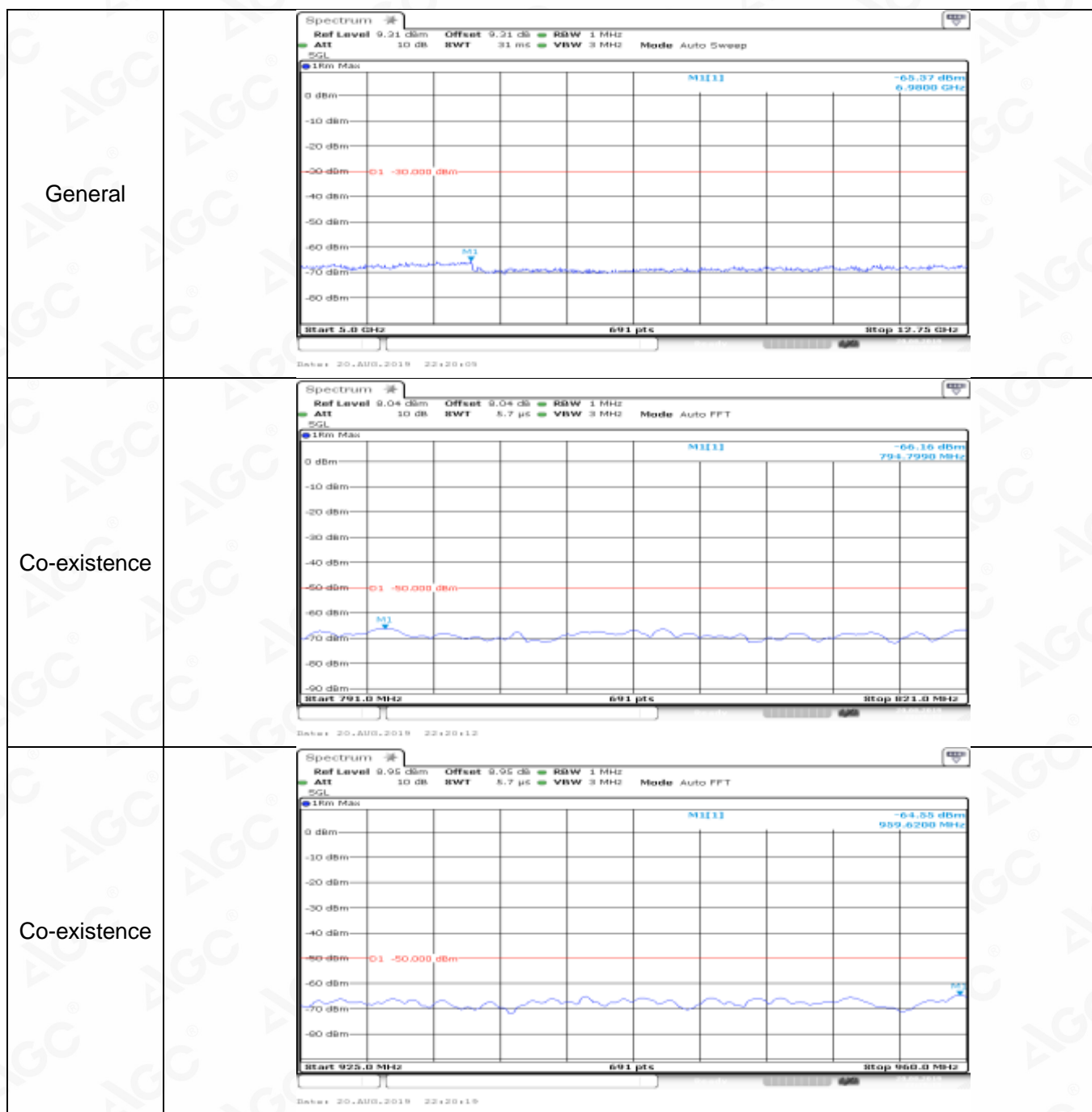



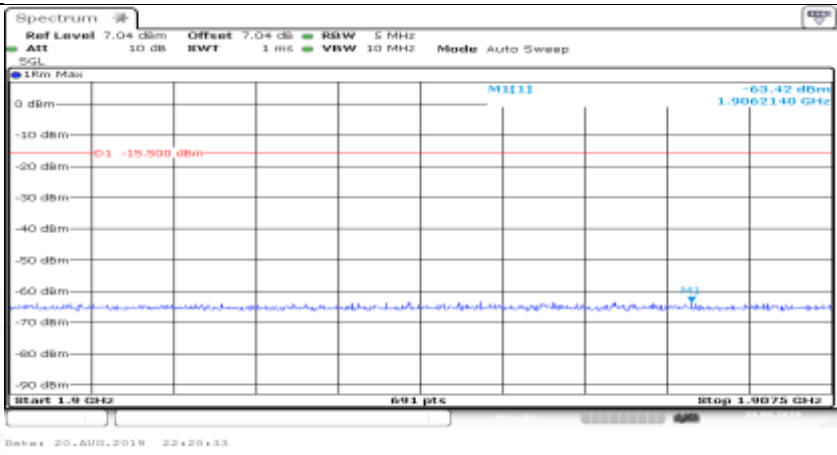
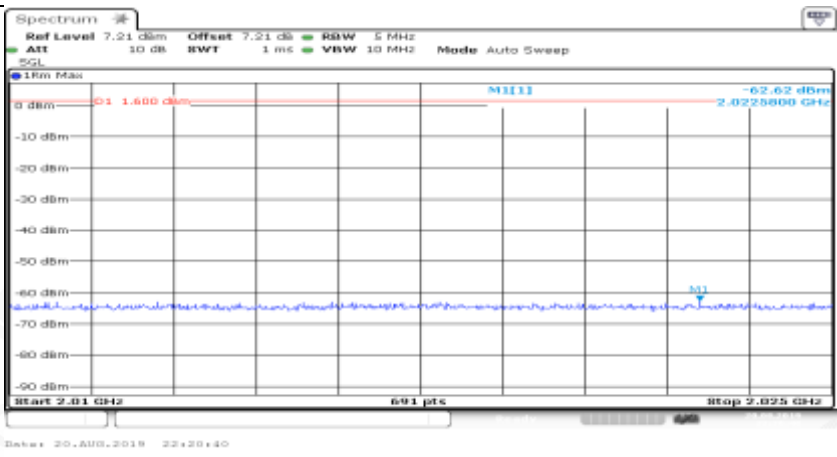
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	
General	

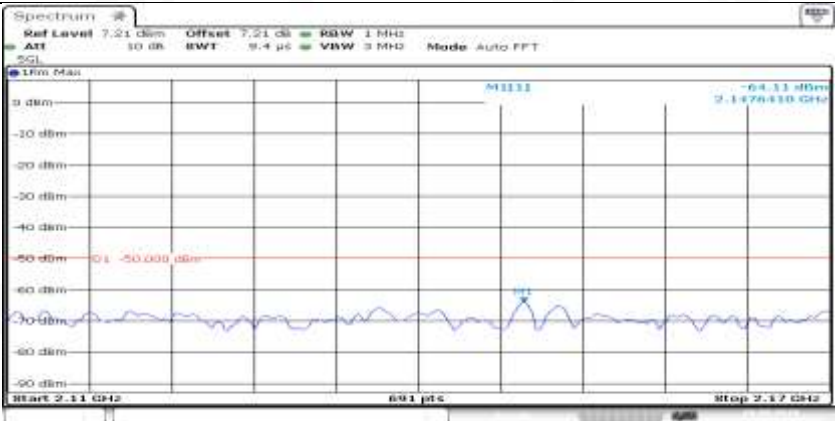
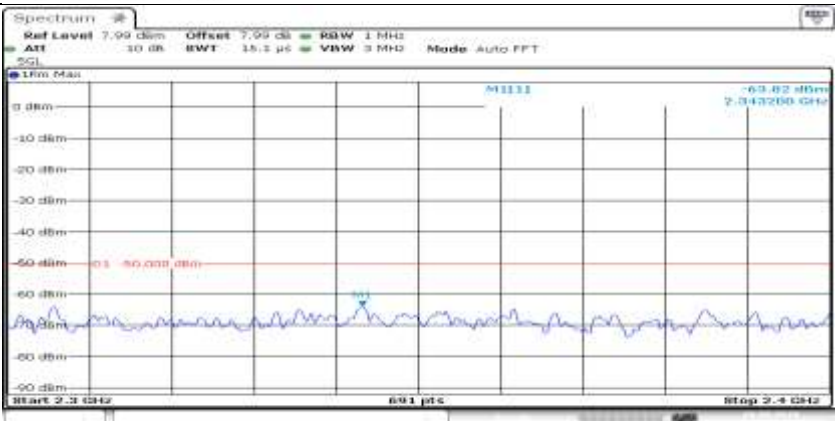
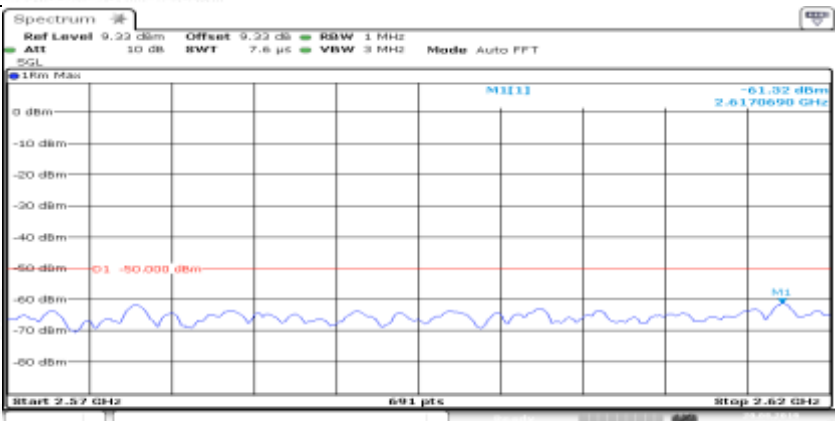



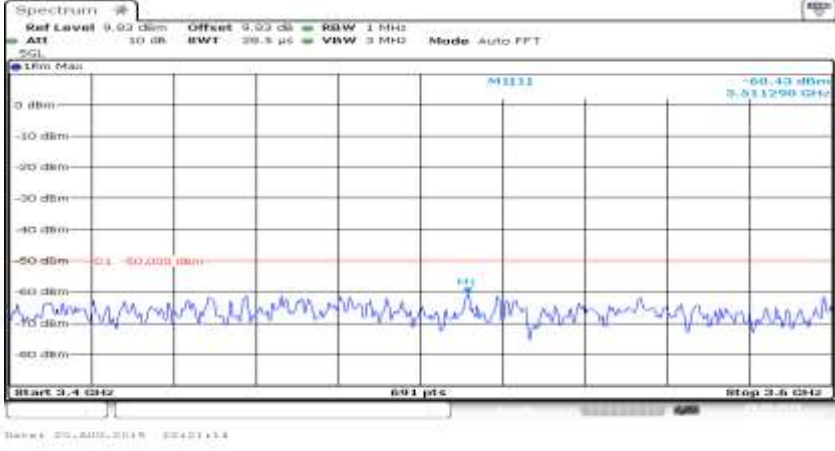
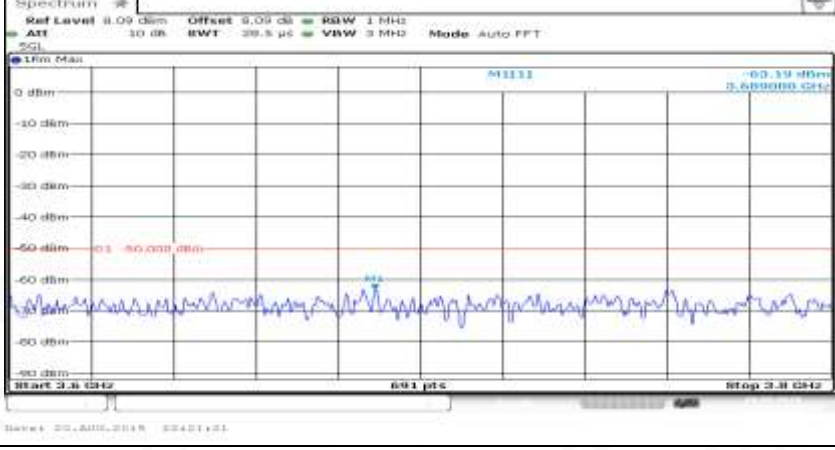
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BWT 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>0 dBm -79.30 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>691 pts</p> <p>Date: 20. AUG. 2019 22:19:44</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB BW 1 MHz</p> <p>ATT 10 dB BWT 1 ms VBW 3 MHz Mode Auto Sweep</p> <p>0 dBm -79.30 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -36.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 1.0 GHz Stop 1.9395 GHz</p> <p>691 pts</p> <p>Date: 20. AUG. 2019 22:19:51</p>
General	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz</p> <p>ATT 10 dB BWT 3.3 ms VBW 3 MHz Mode Auto Sweep</p> <p>0 dBm -79.30 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -36.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 1.9395 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>Date: 20. AUG. 2019 22:19:56</p>



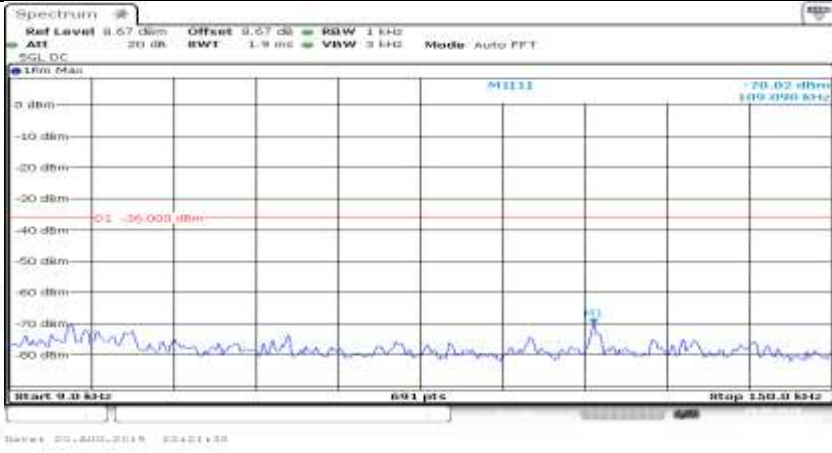
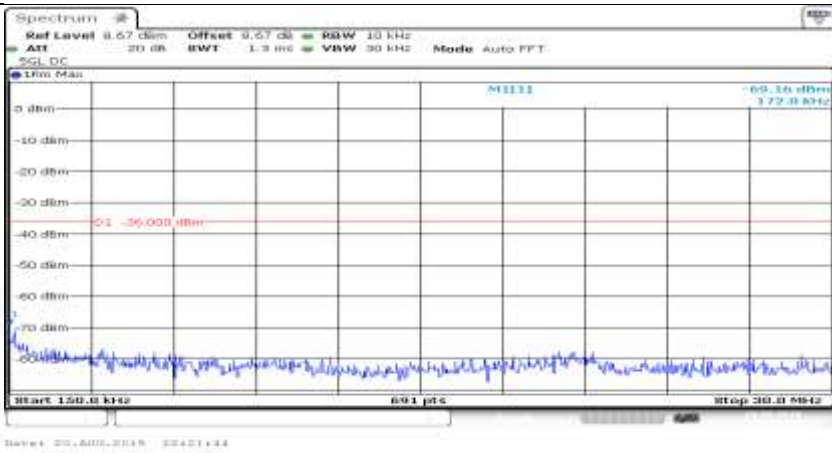
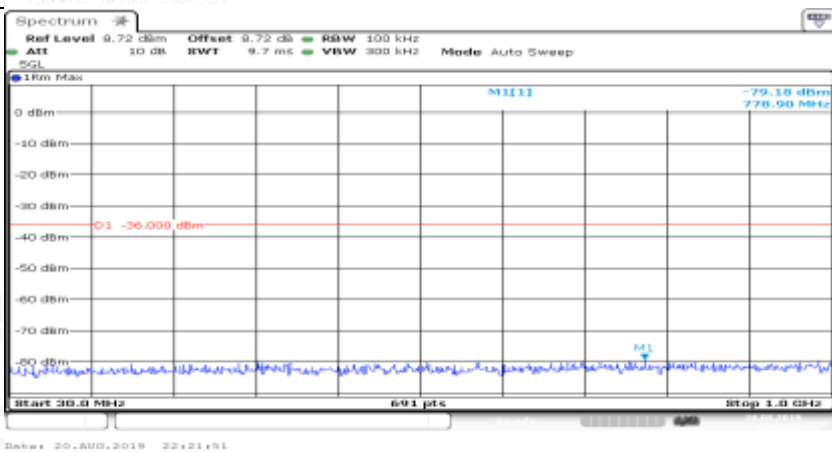
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

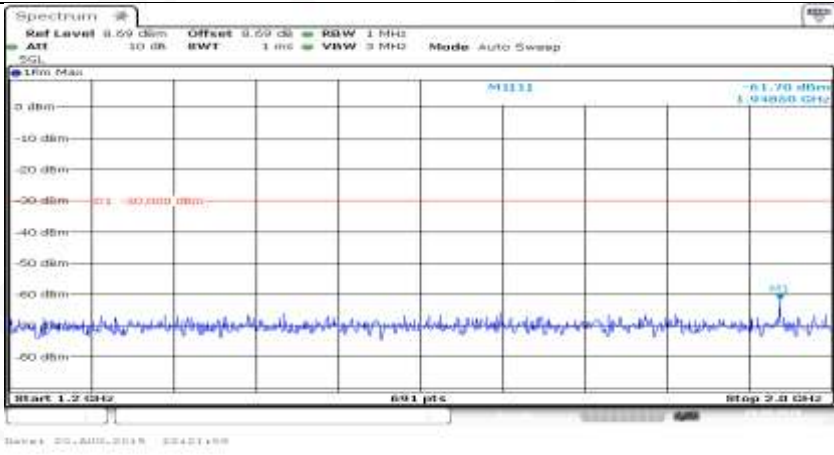
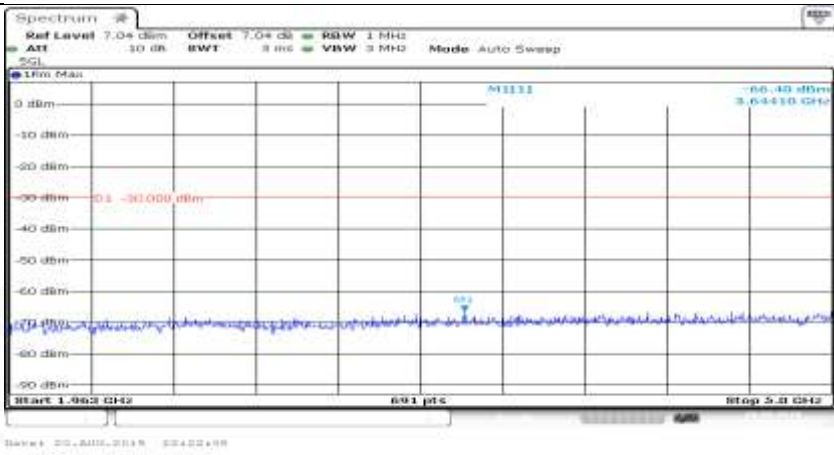
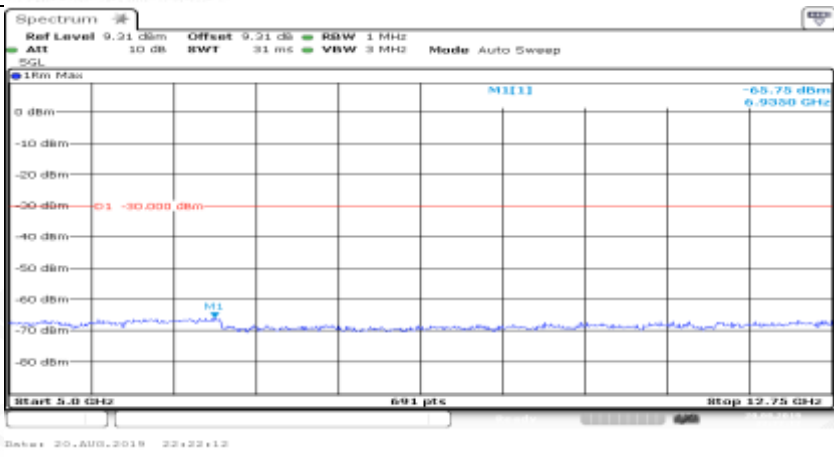
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#0

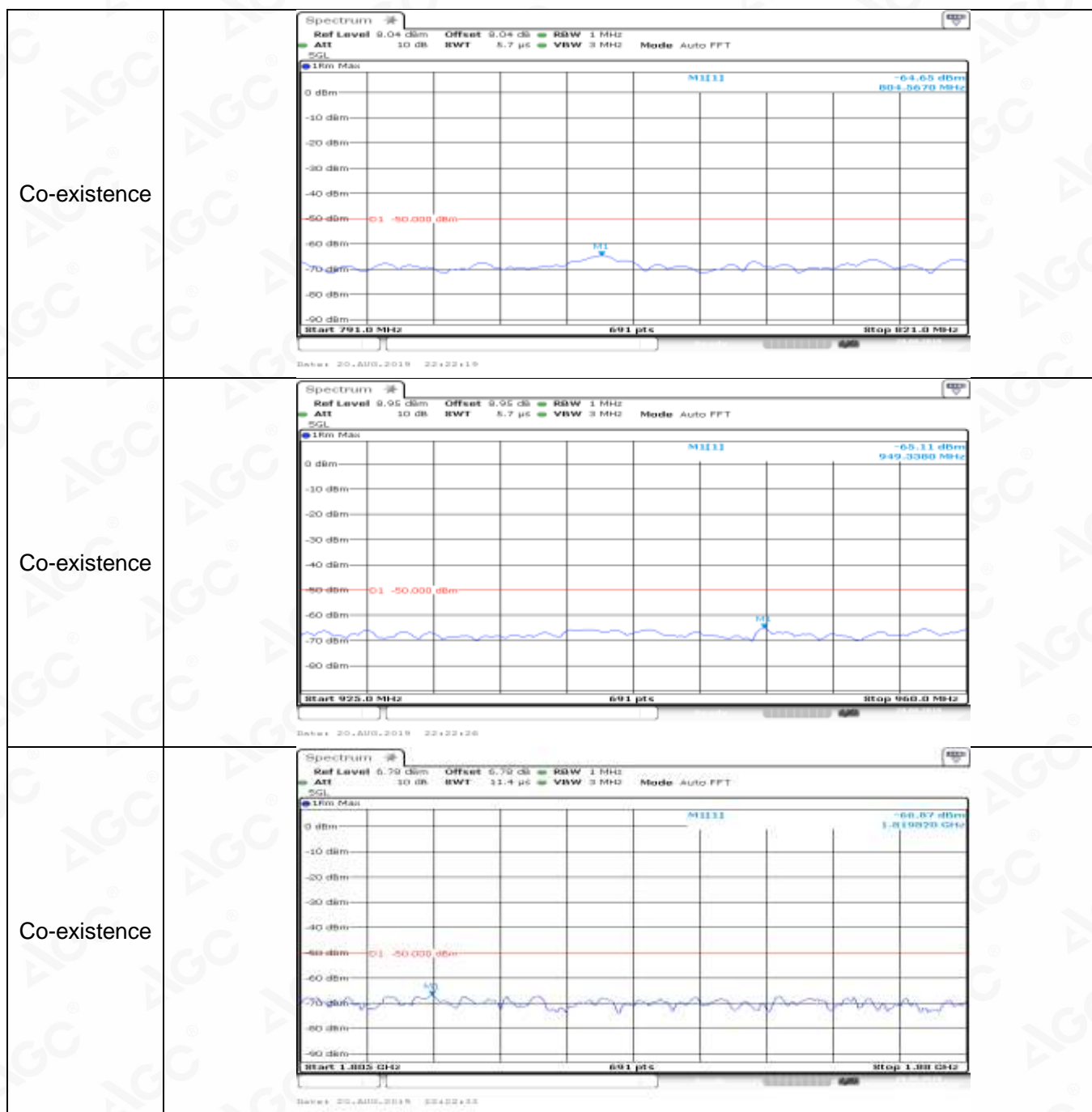
General	
General	
General	

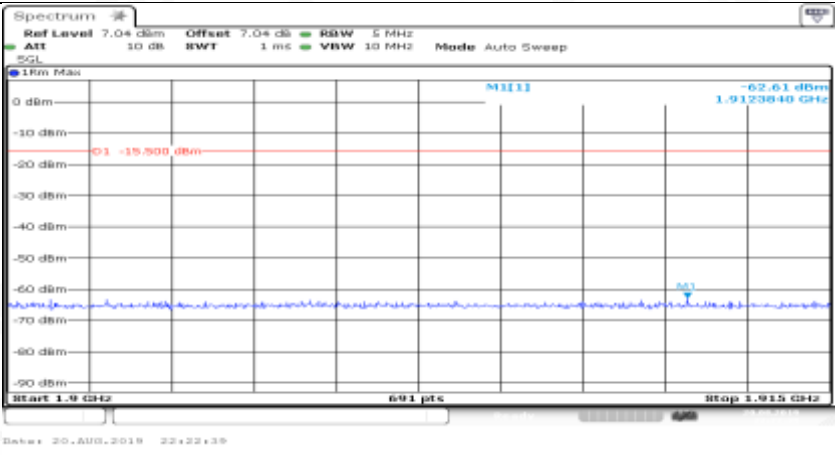
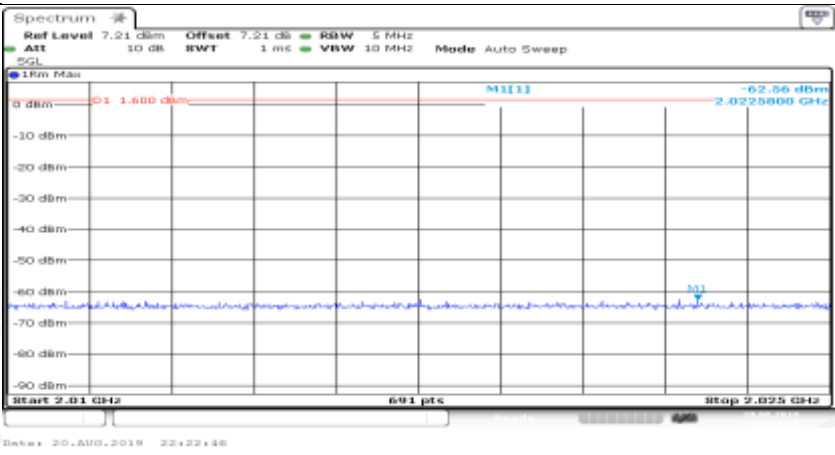





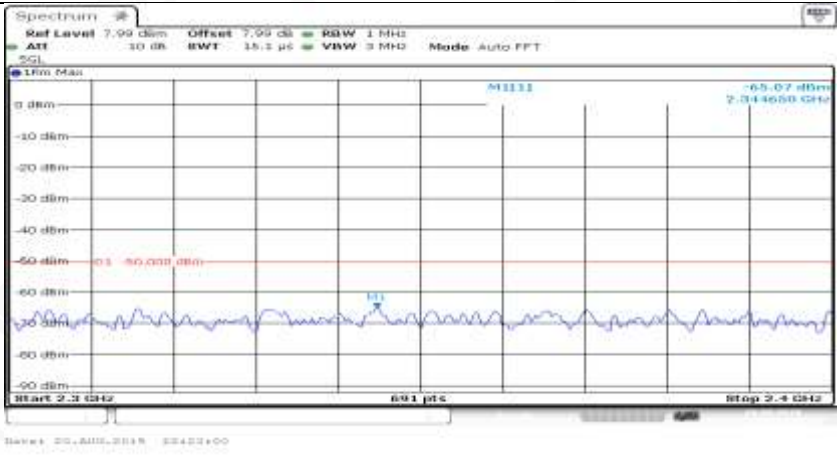
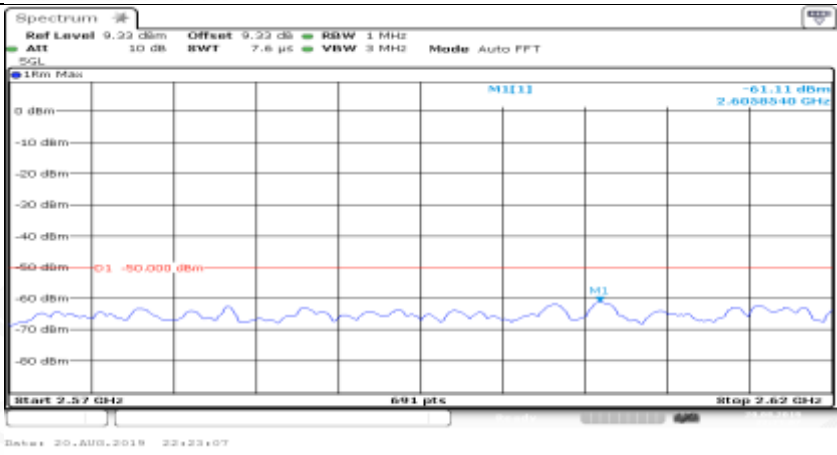

General	 <p>Spectrum</p> <p>Ref Level 8.59 dBm Offset 8.59 dB BW 1 MHz</p> <p>ATT 10 dB BW 1 MHz VBW 3 MHz Mode Auto Sweep</p> <p>100 dBm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</p> <p>Start 1.2 GHz Stop 2.0 GHz</p> <p>691 pts</p> <p>Date: 20.AUG.2018 22:21:58</p>
General	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 1 MHz VBW 3 MHz Mode Auto Sweep</p> <p>100 dBm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</p> <p>Start 1.96 GHz Stop 2.0 GHz</p> <p>691 pts</p> <p>Date: 20.AUG.2018 22:22:48</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 1 MHz VBW 3 MHz Mode Auto Sweep</p> <p>100 dBm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>Start 5.3 GHz Stop 5.75 GHz</p> <p>691 pts</p> <p>Date: 20.AUG.2018 22:22:12</p>

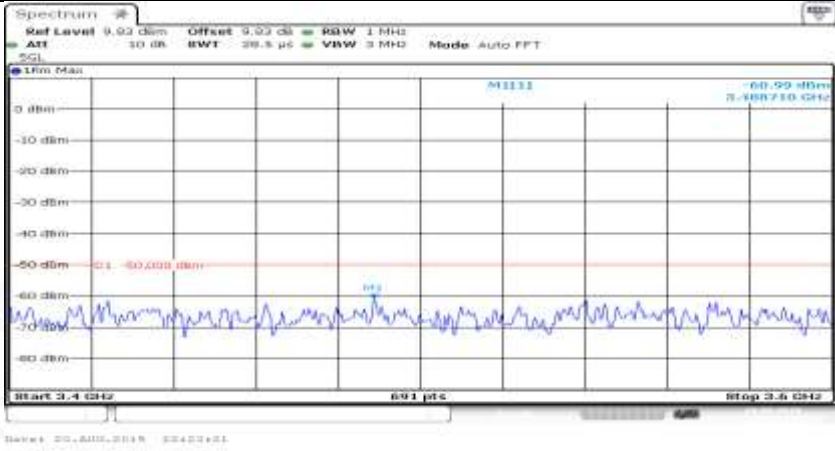
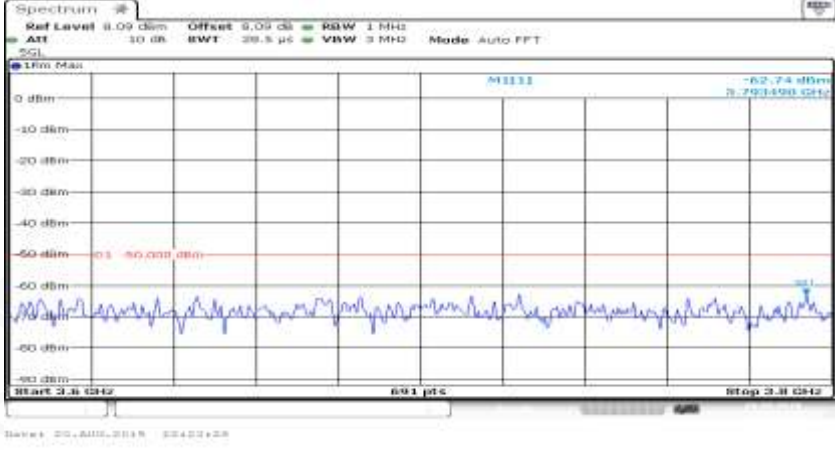


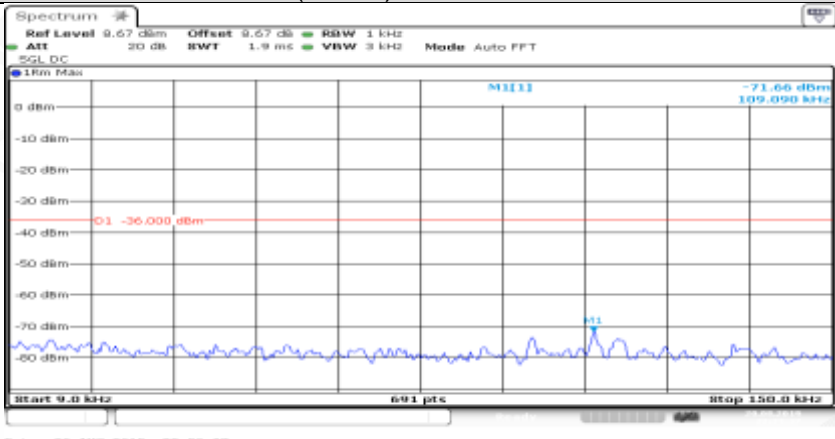


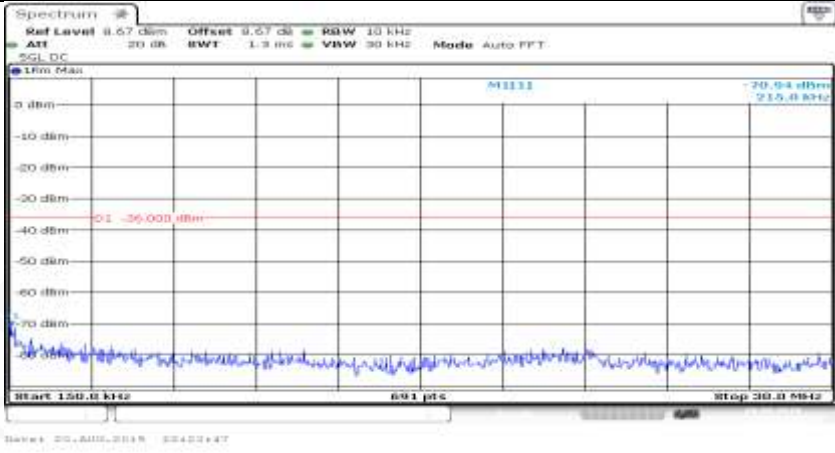
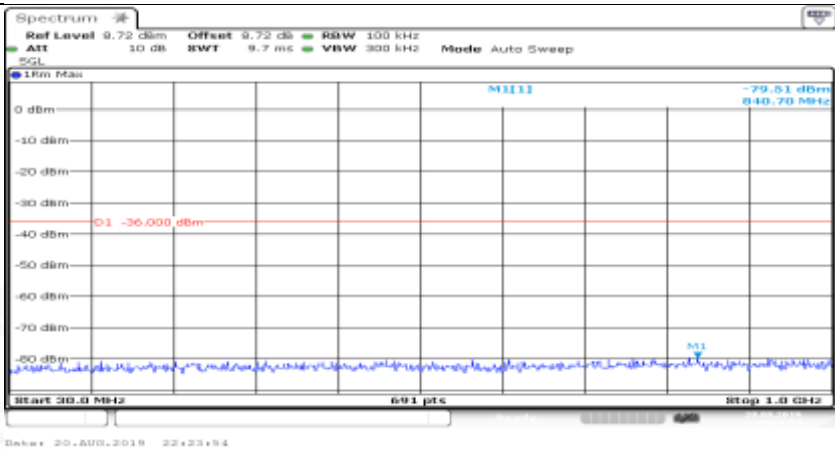
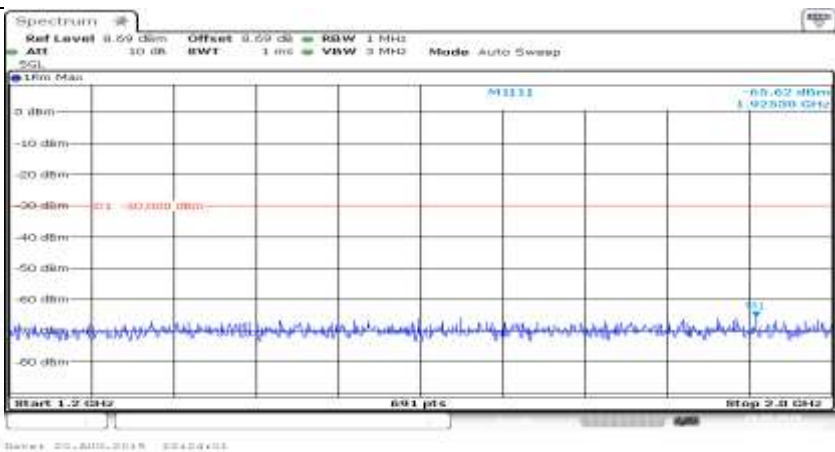
Co-existence	
Co-existence	
Co-existence	



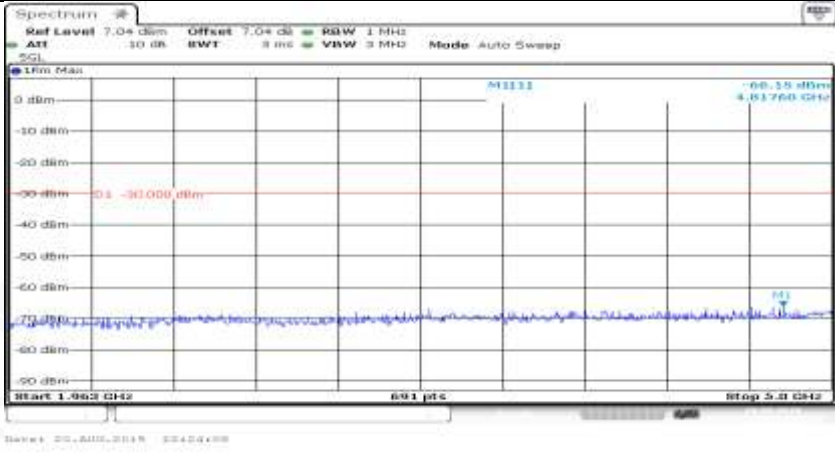

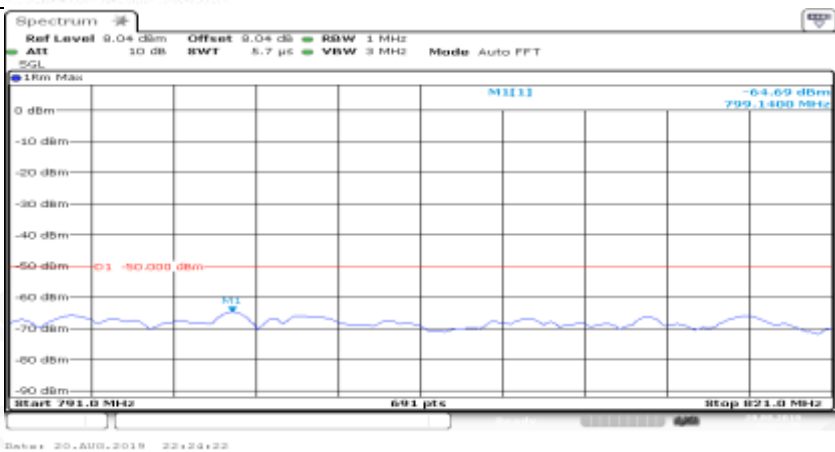
Co-existence	
Co-existence	
Co-existence	

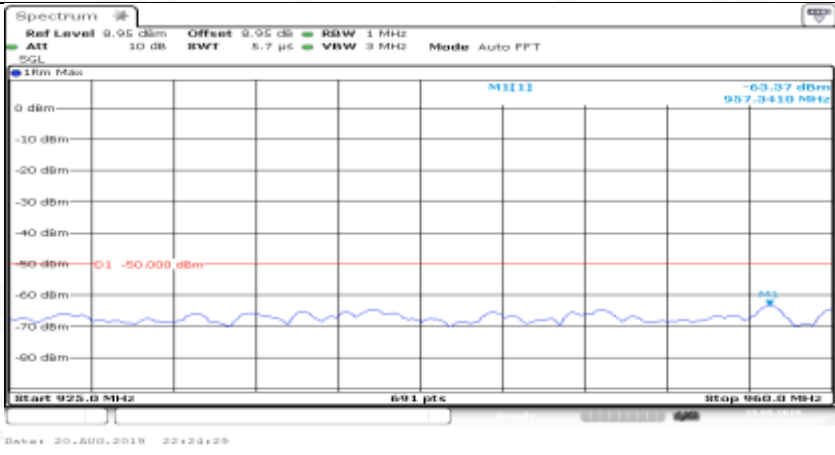

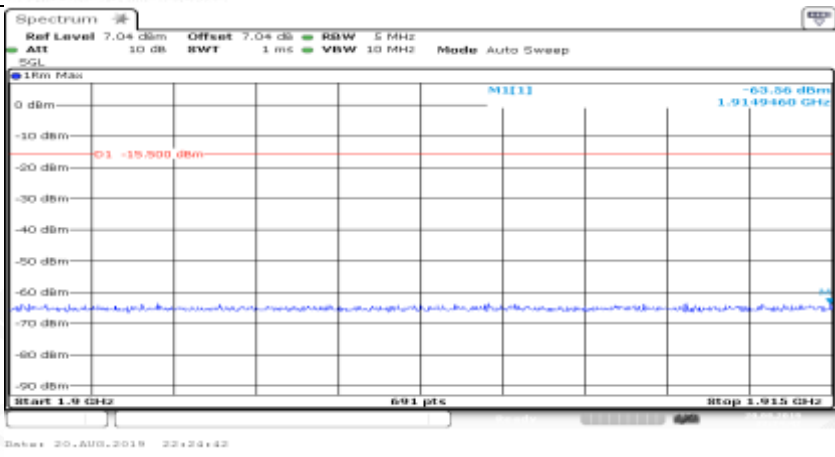
Co-existence	
Co-existence	
Additional	NA

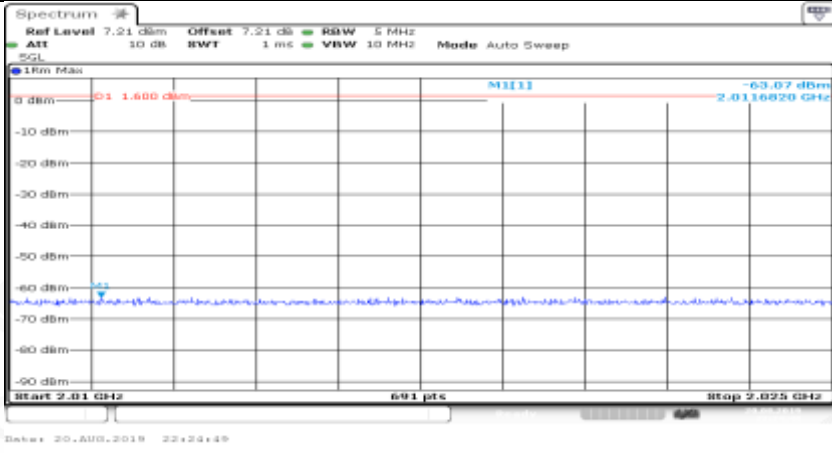

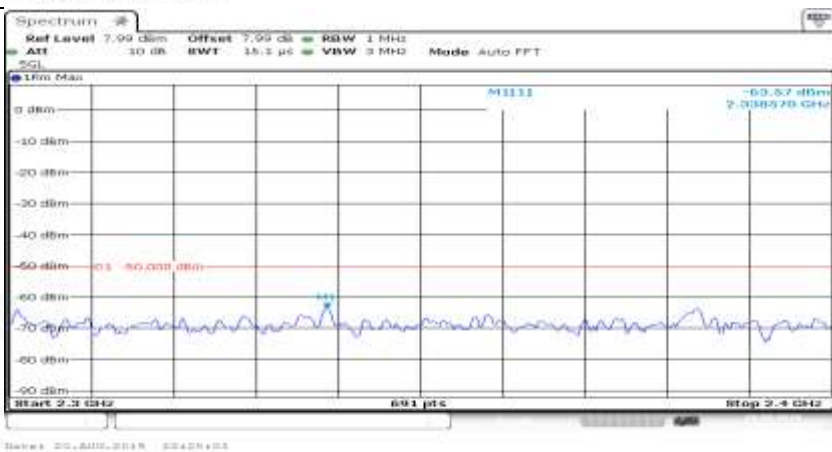
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	

General	
General	
General	



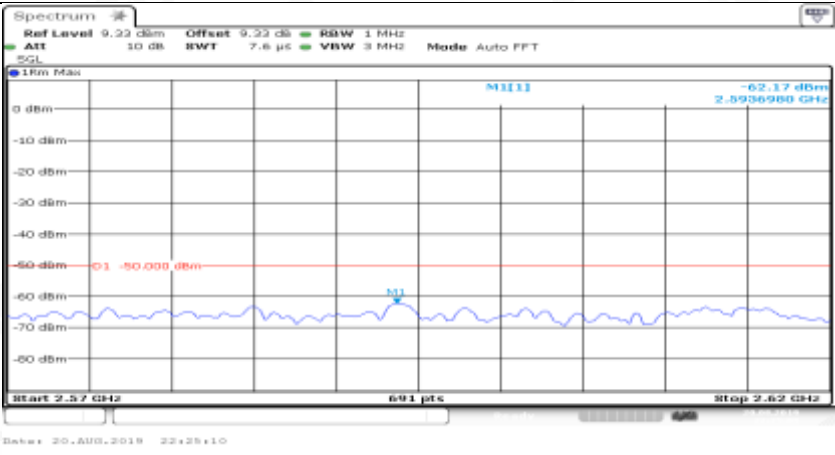

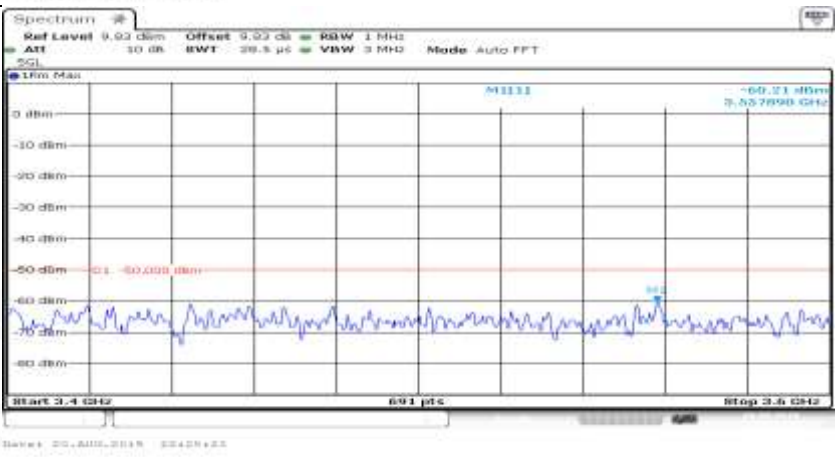
General	
General	
Co-existence	

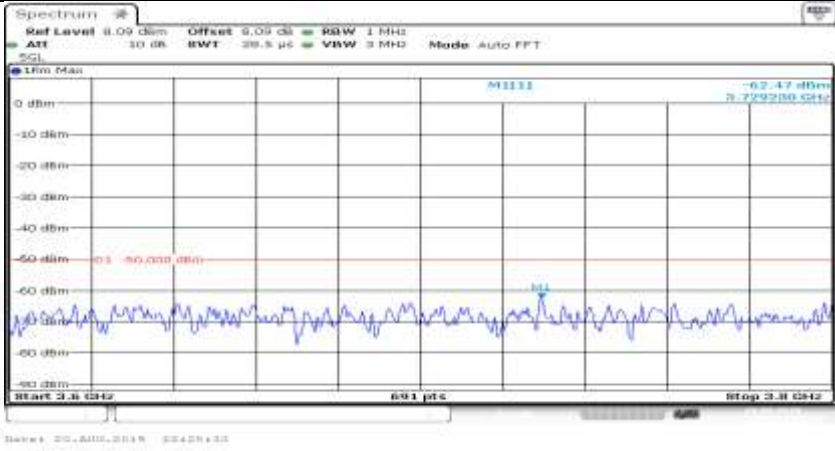
Co-existence	
Co-existence	
Co-existence	

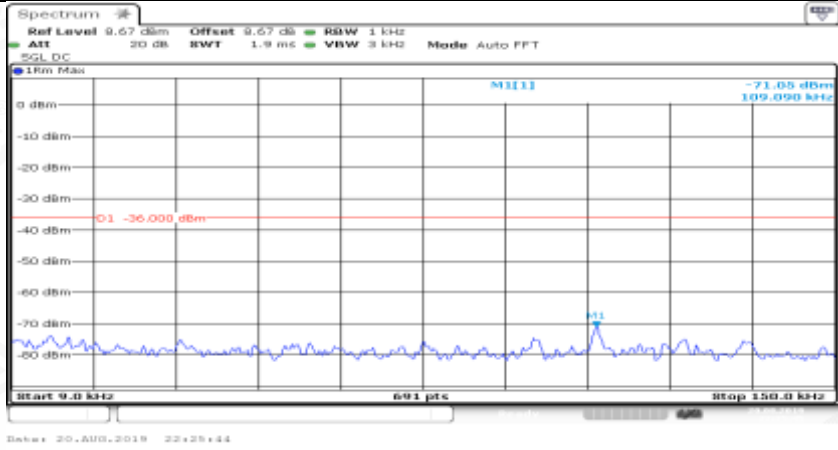
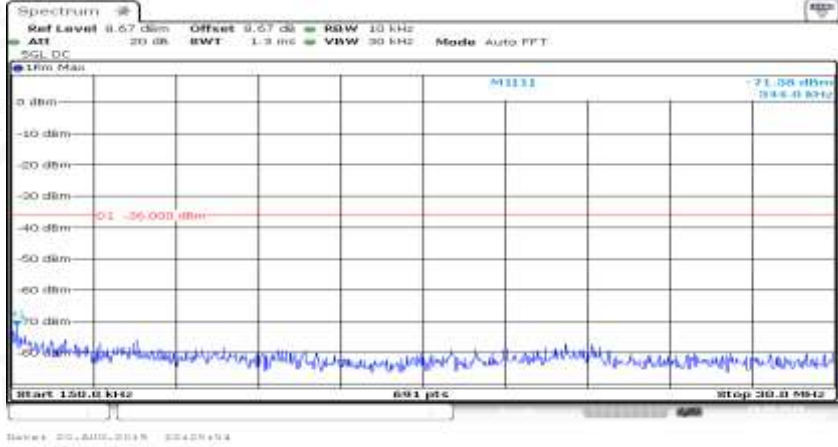
Co-existence	
Co-existence	
Co-existence	

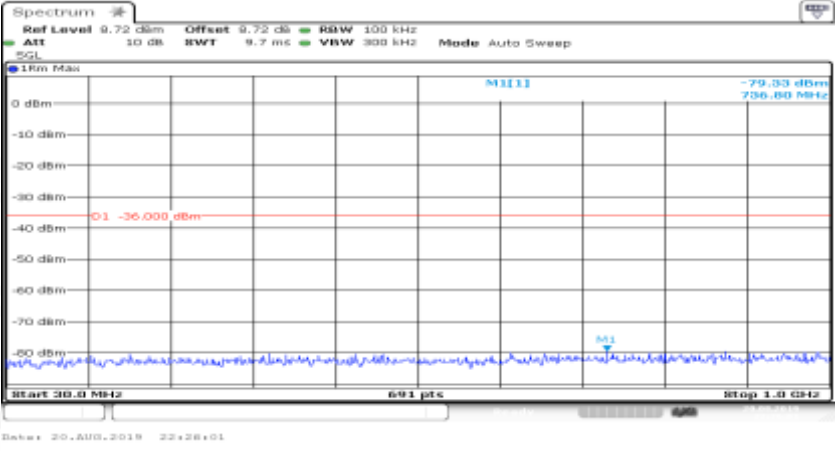
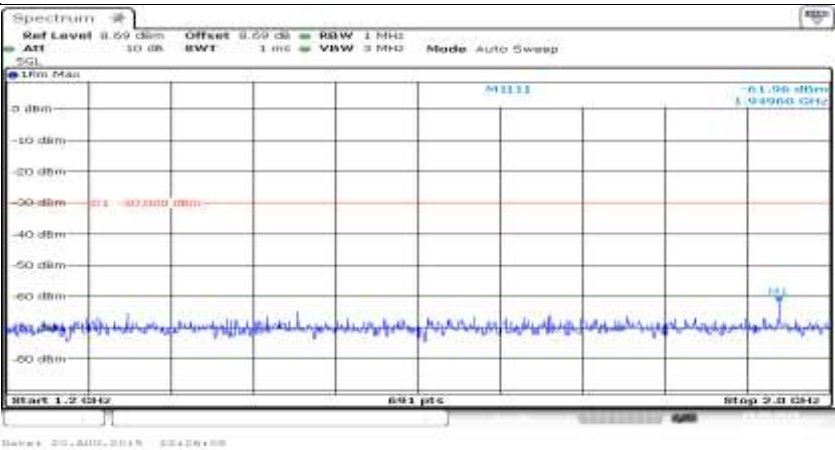
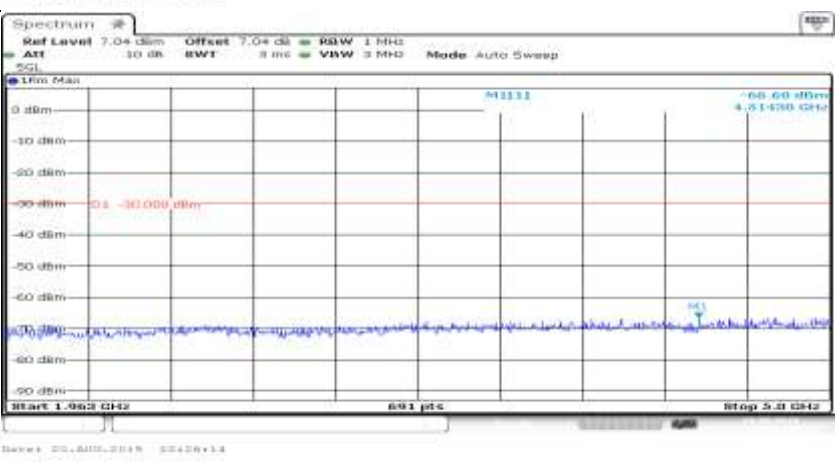




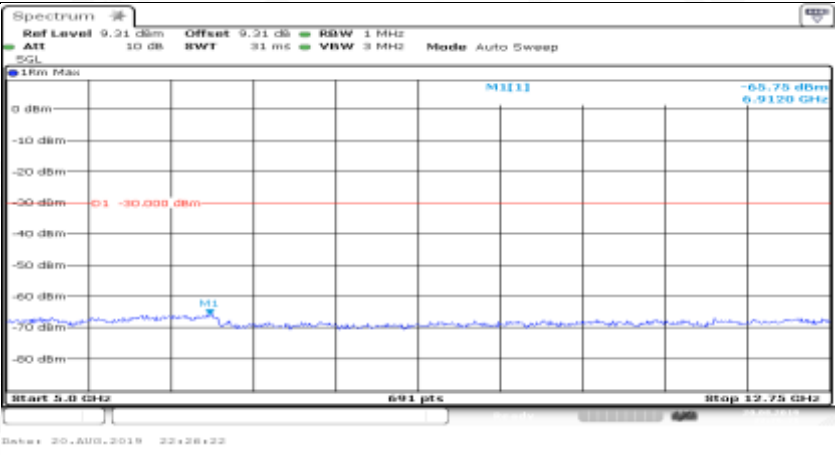
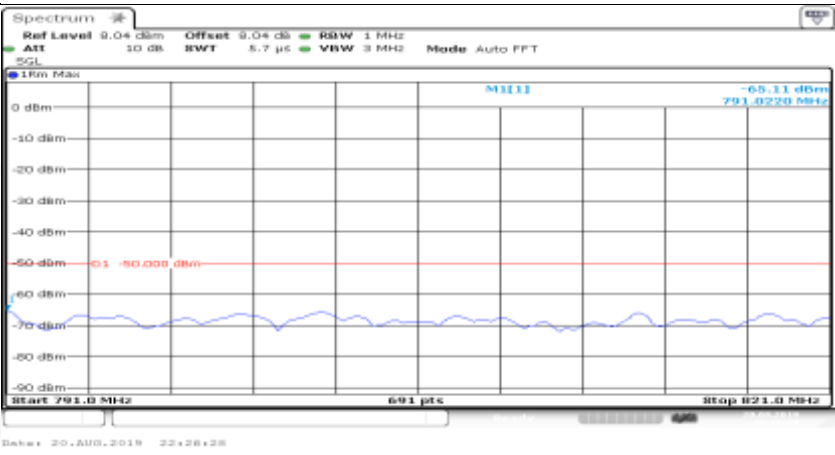
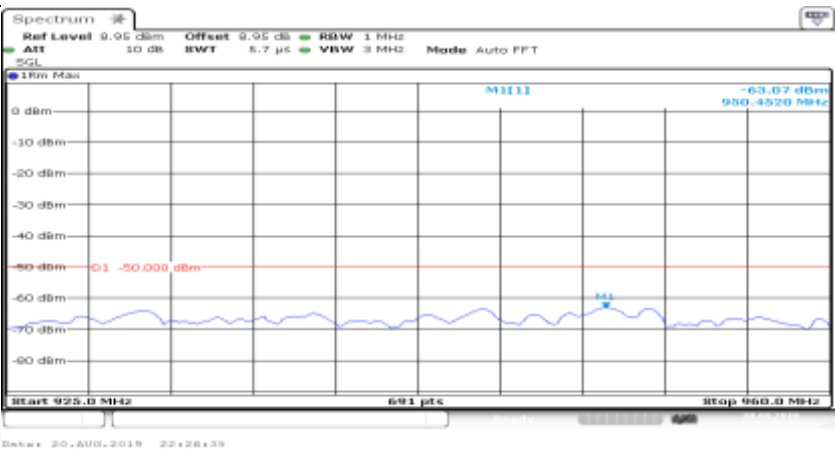
Co-existence	
Co-existence	
Co-existence	

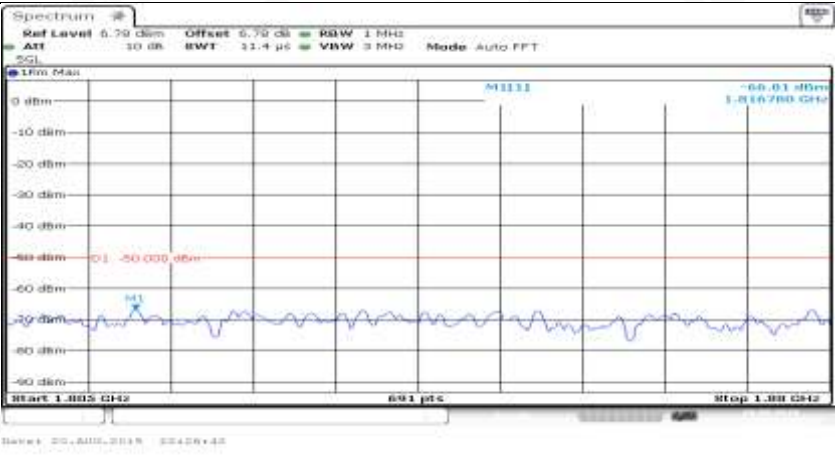
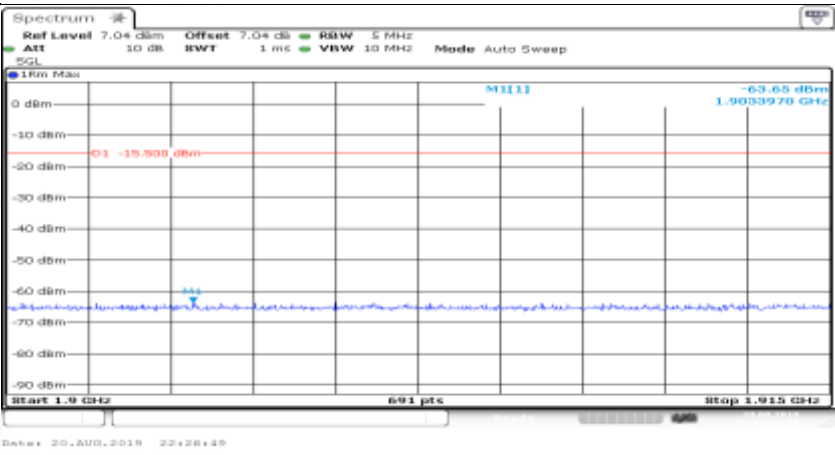
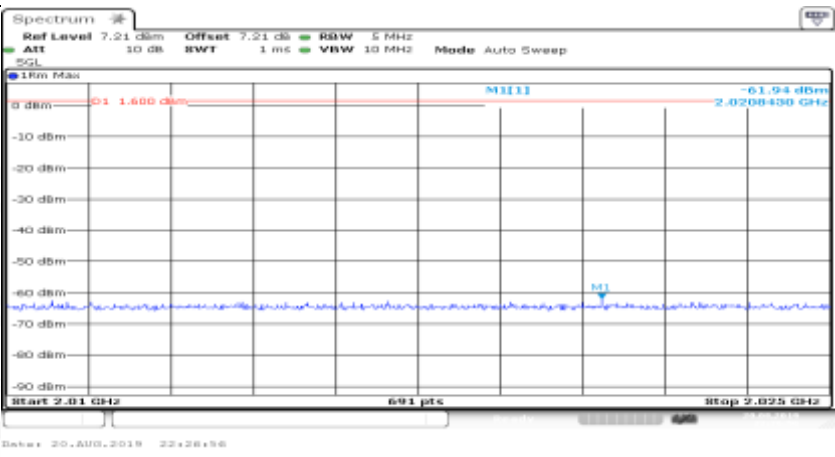
Co-existence	
Additional	NA


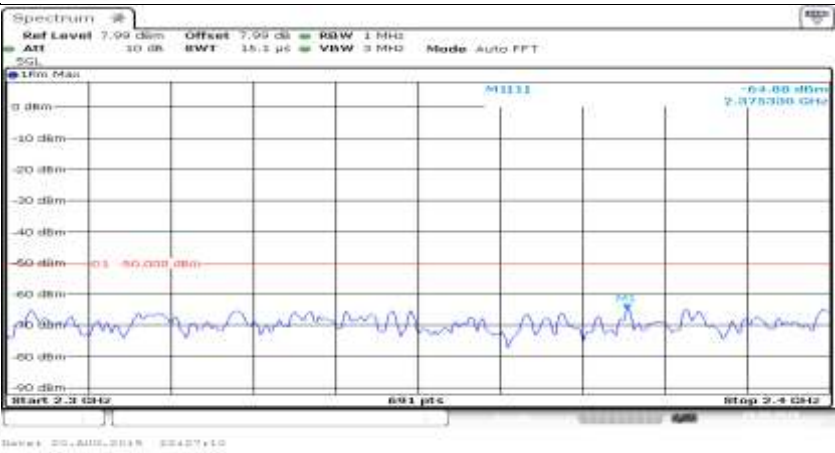
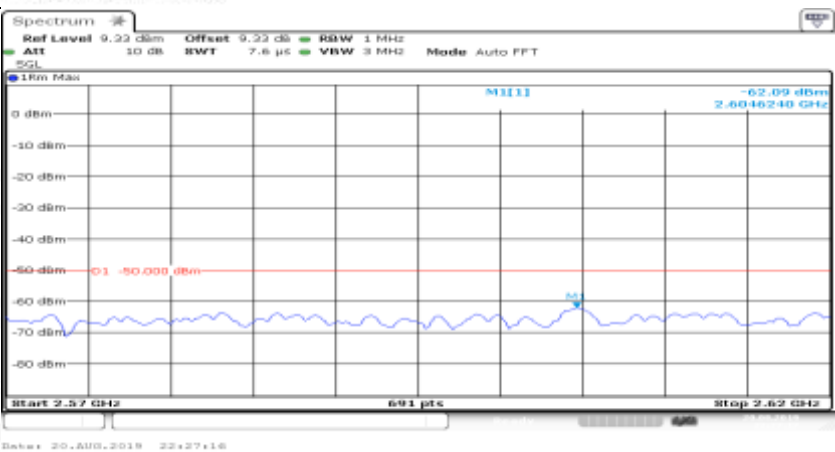
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	
General	

General	
General	
General	



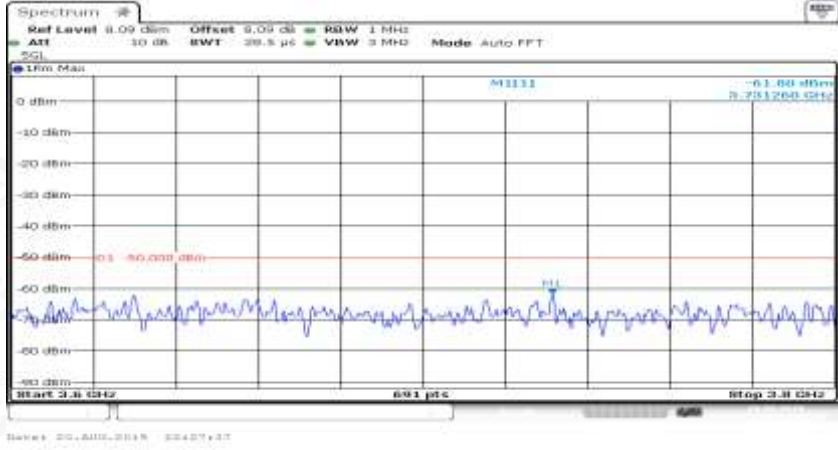


General	
Co-existence	
Co-existence	

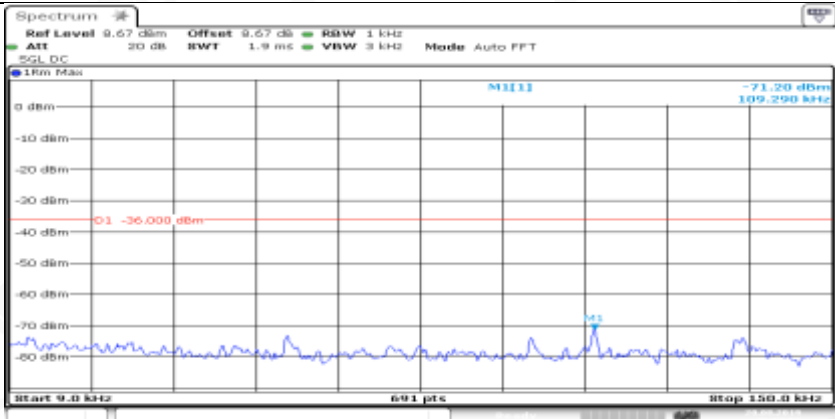
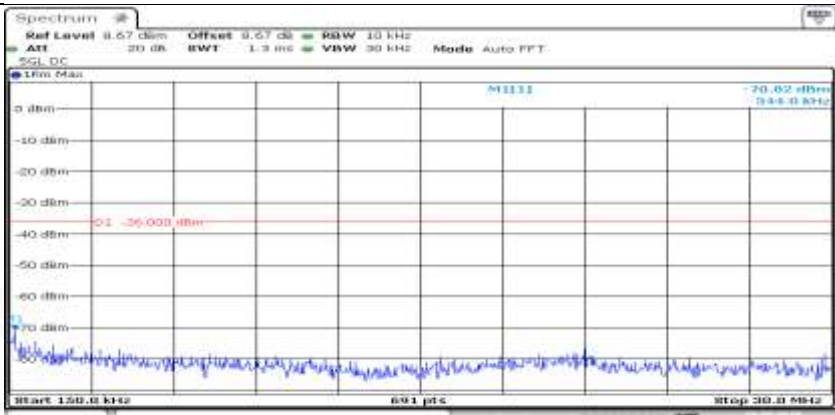
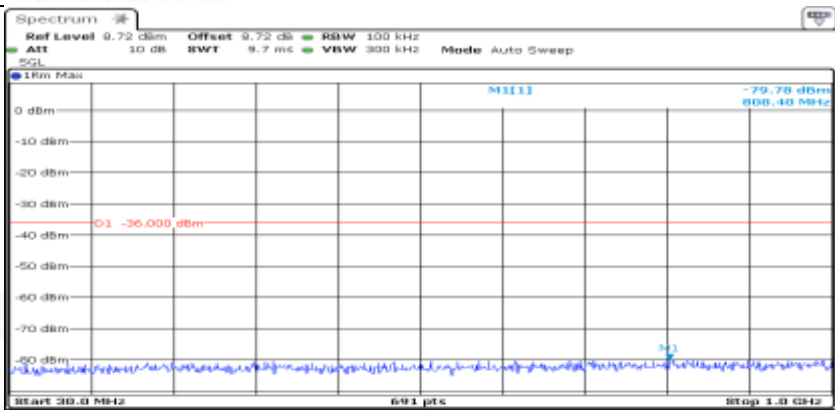
Co-existence	
Co-existence	
Co-existence	

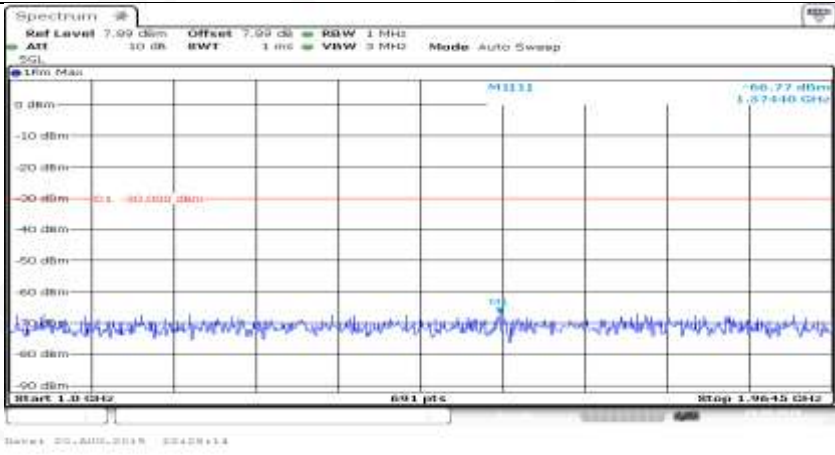
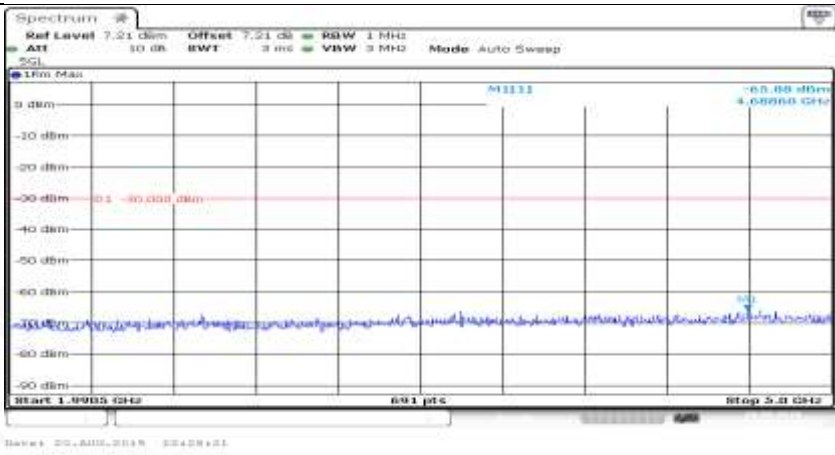
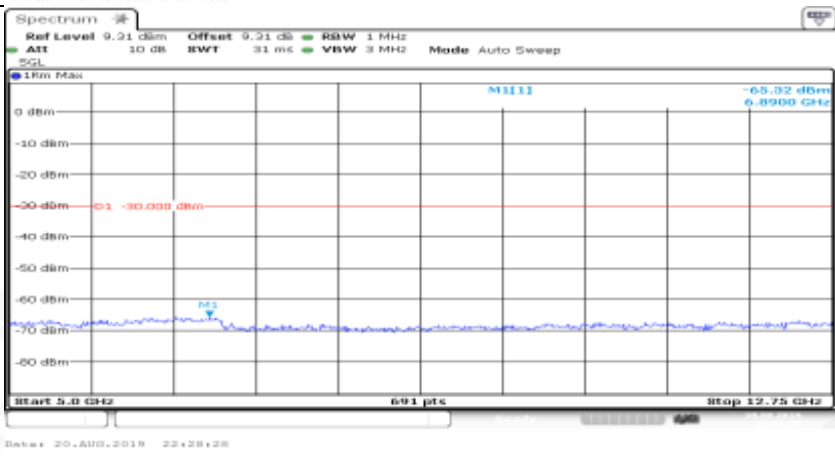
Co-existence	
Co-existence	
Co-existence	



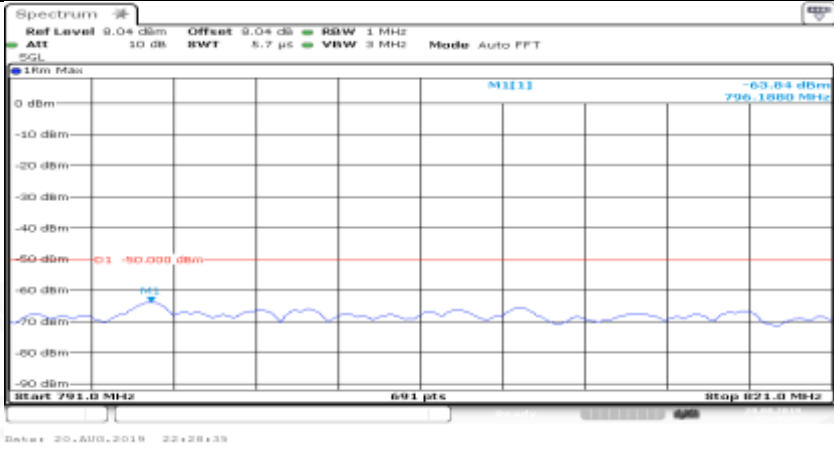
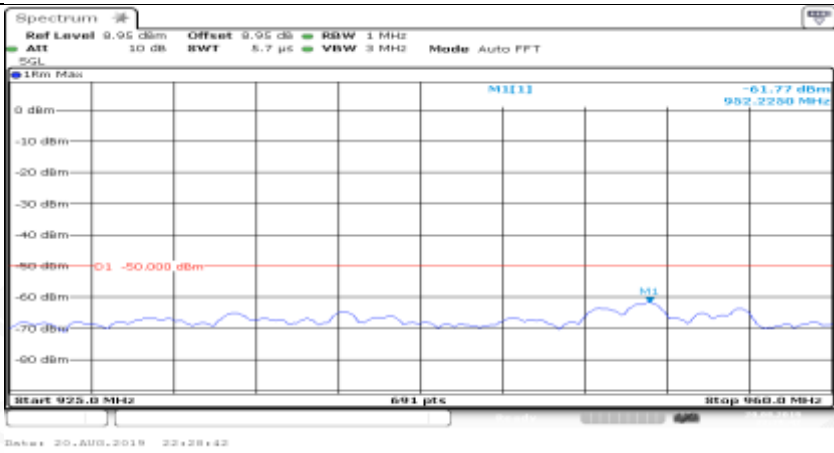
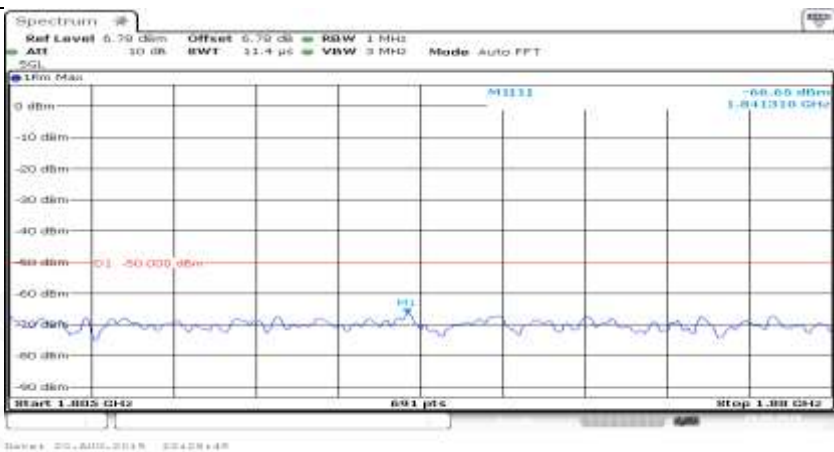
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0

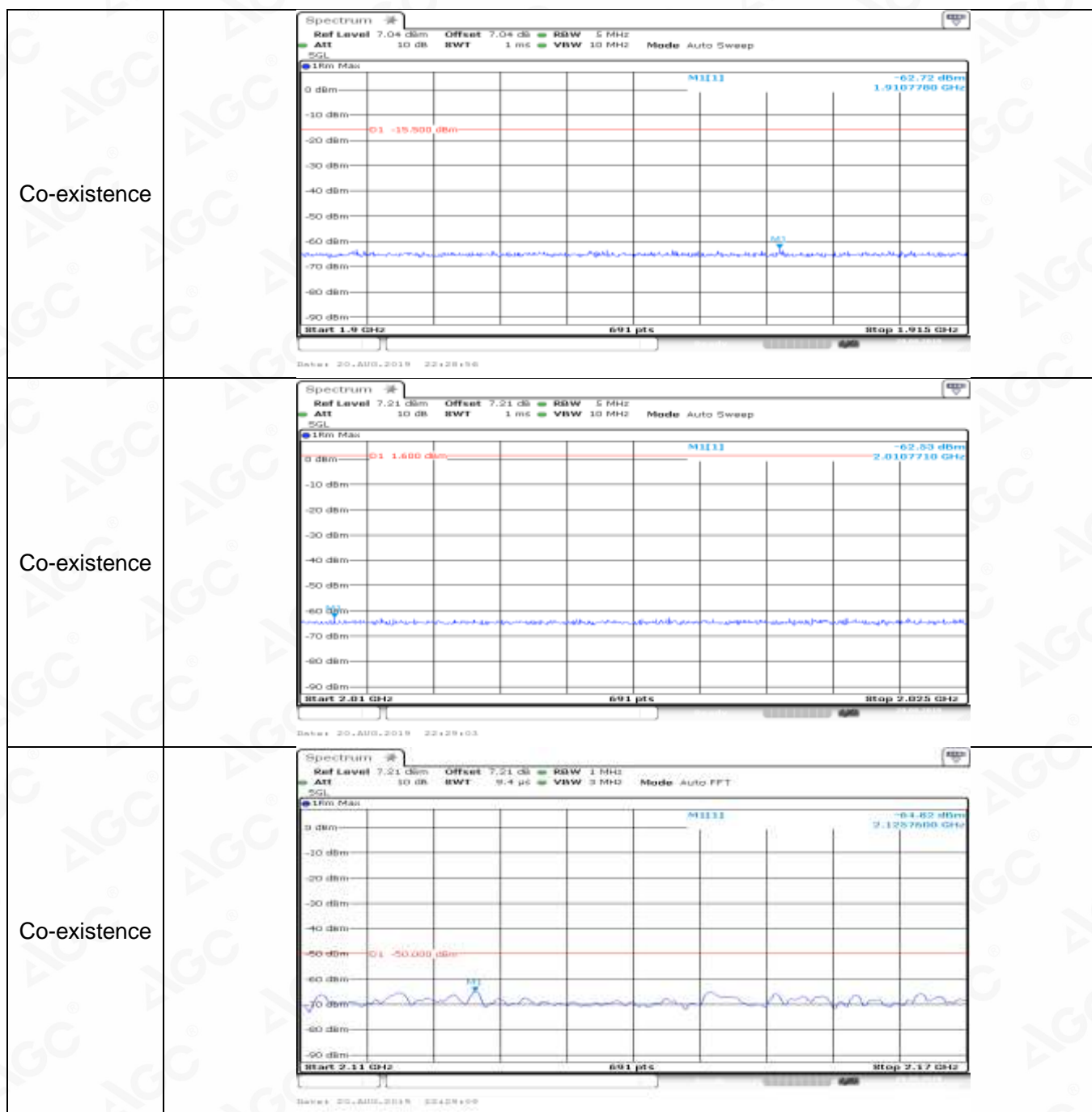
General	 <p>Start 9.0 kHz Stop 150.0 kHz</p> <p>Date: 20.AUG.2019 22:27:51</p>
General	 <p>Start 150.0 kHz Stop 200.0 MHz</p> <p>Date: 20.AUG.2019 22:28:01</p>
General	 <p>Start 30.0 MHz Stop 1.0 GHz</p> <p>Date: 20.AUG.2019 22:28:07</p>


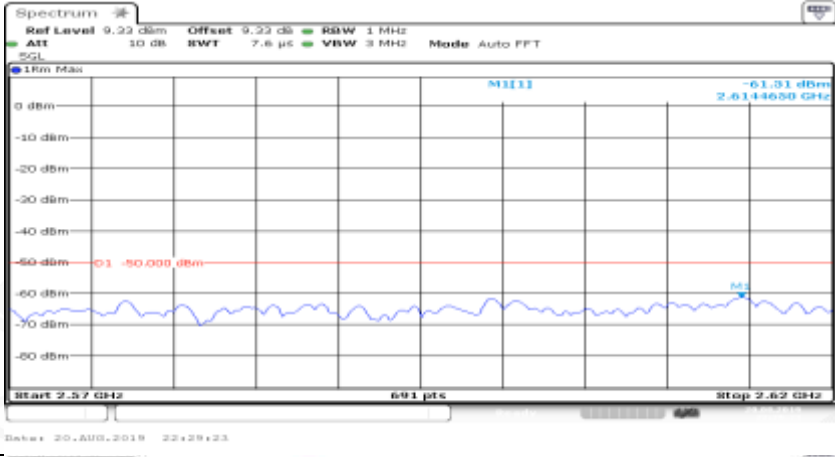
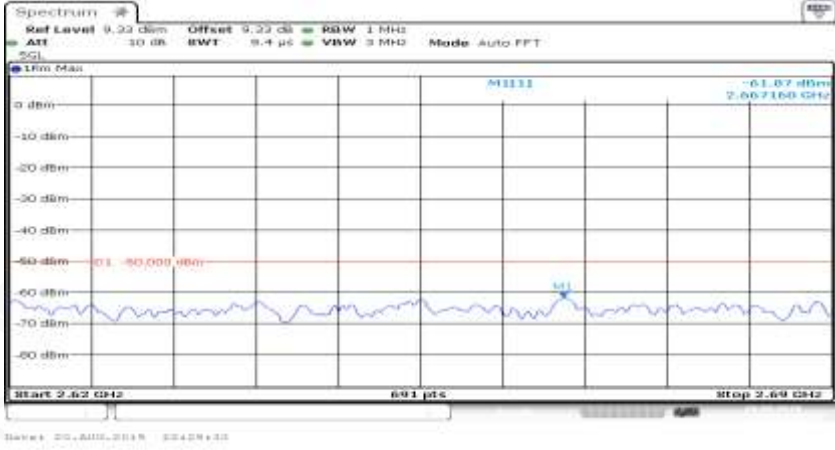
General	
General	
General	



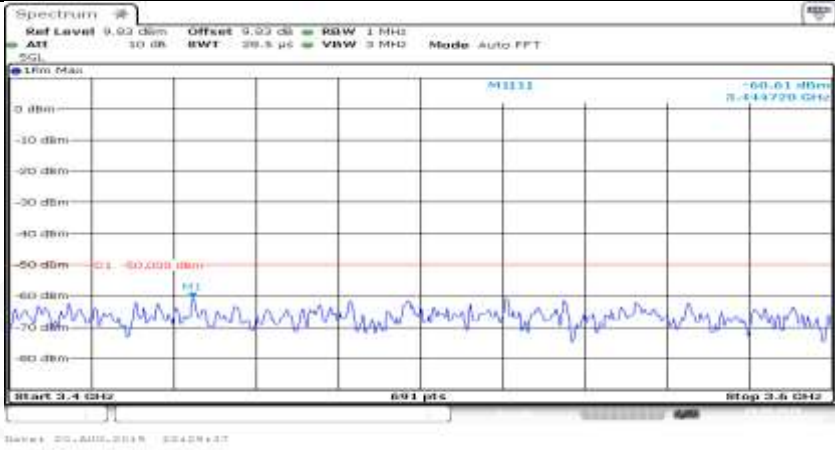
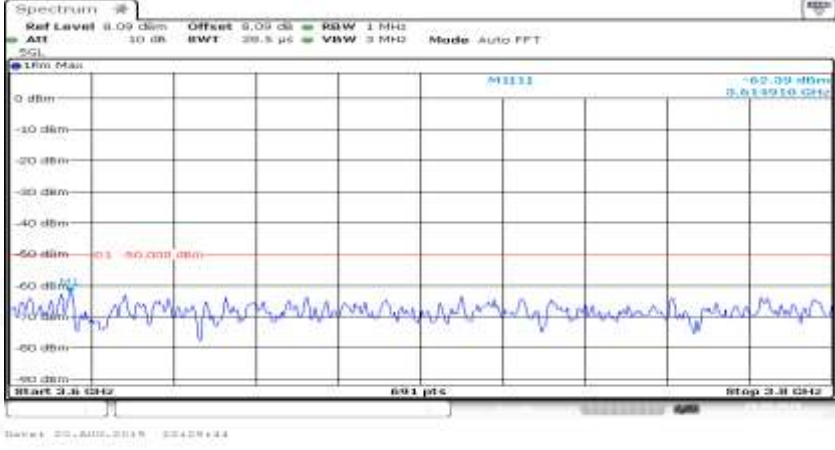
Co-existence	
Co-existence	
Co-existence	




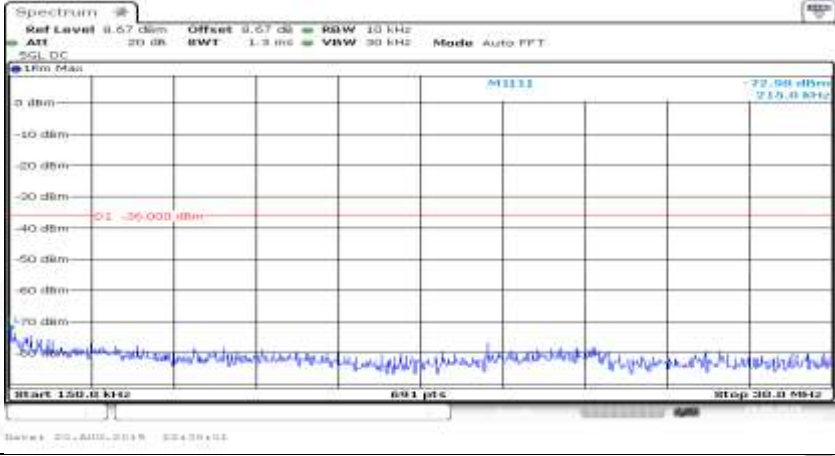
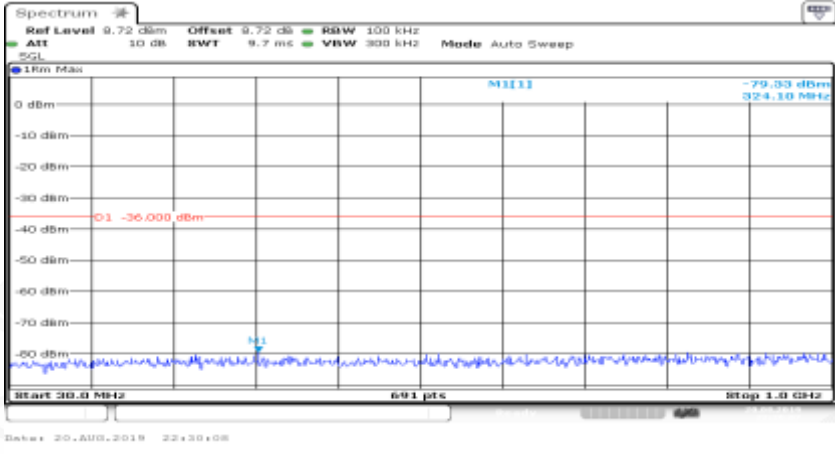
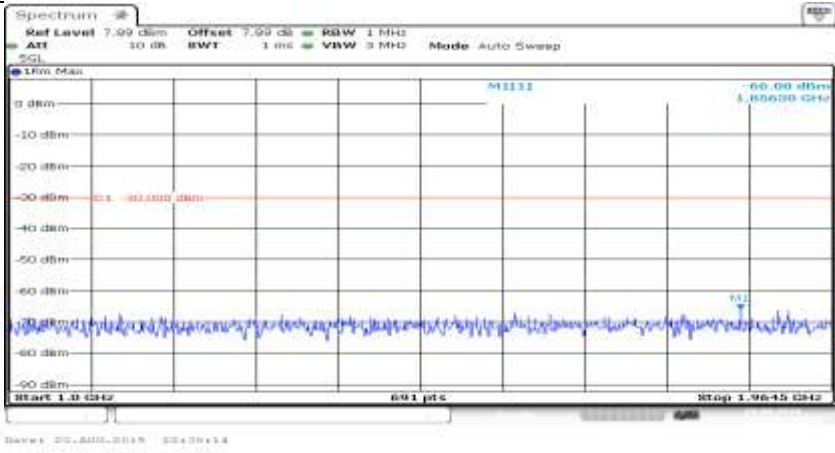


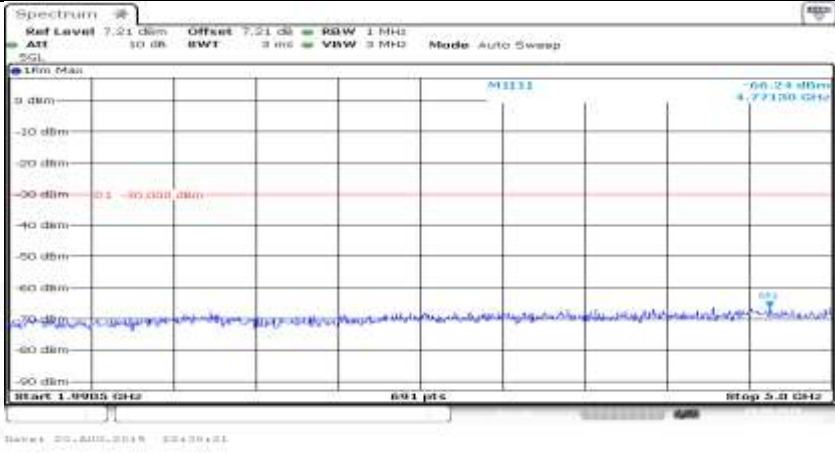
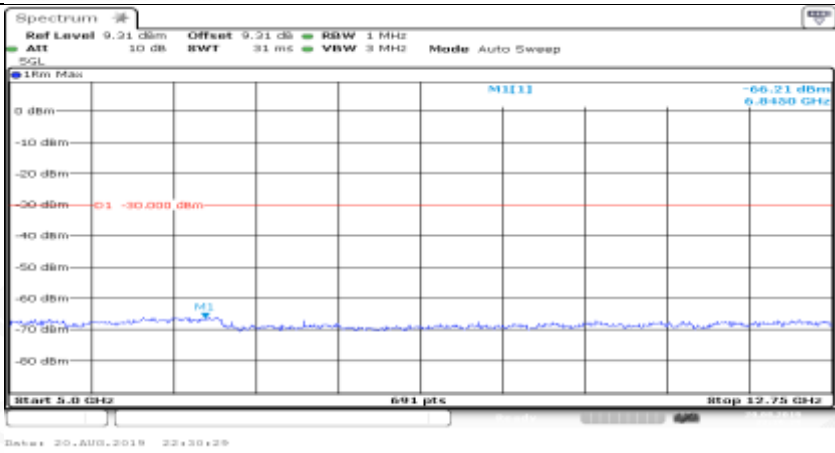
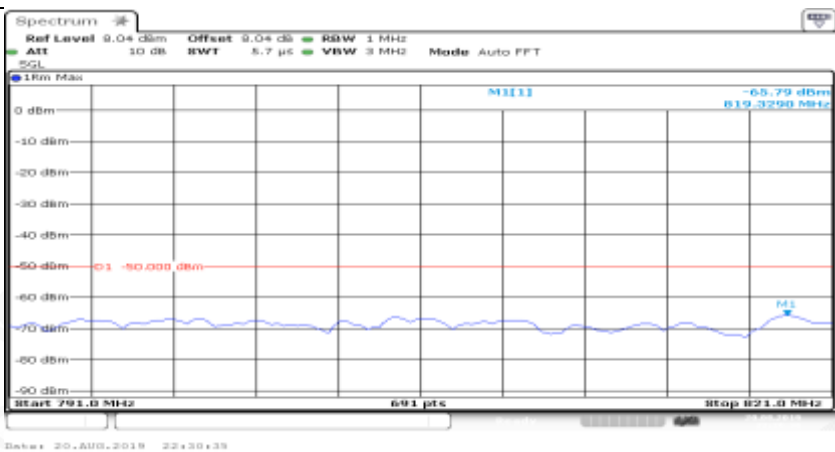
Co-existence	
Co-existence	
Co-existence	



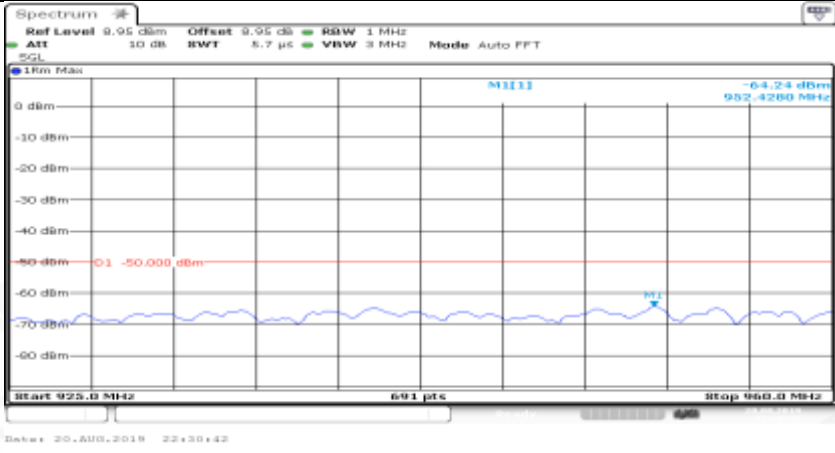

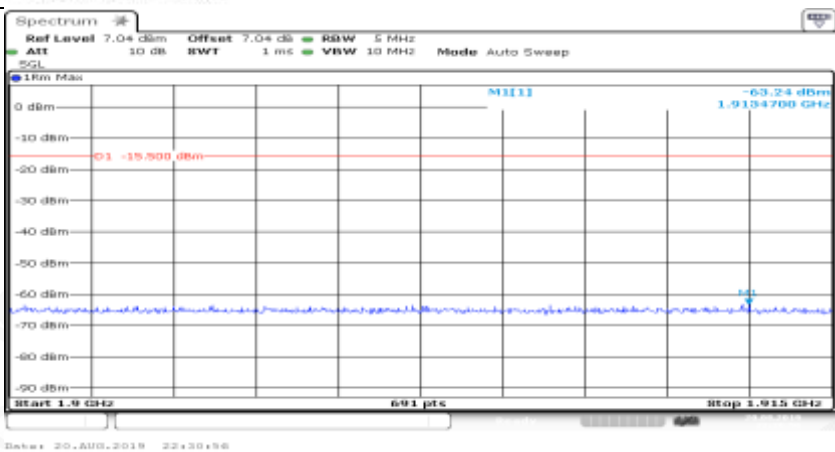
Co-existence	
Co-existence	
Additional	NA

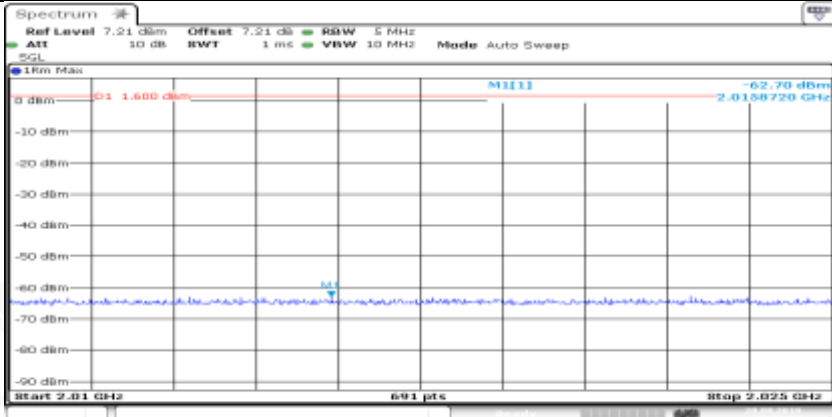
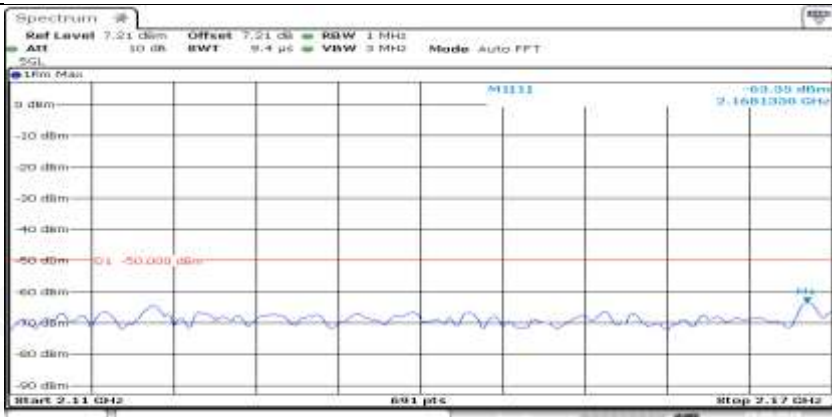
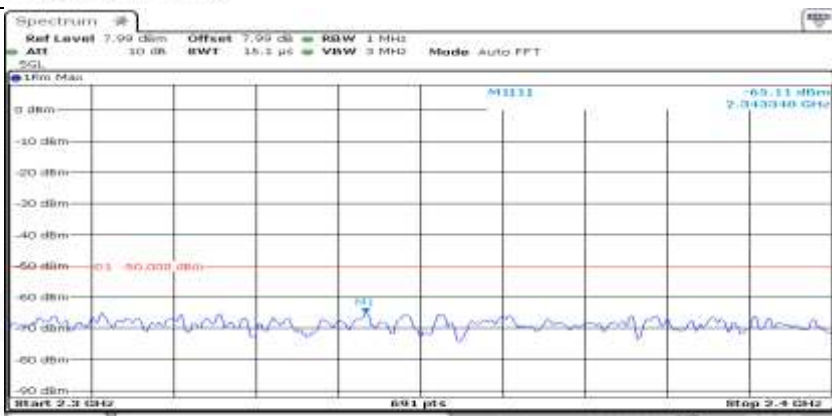
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	

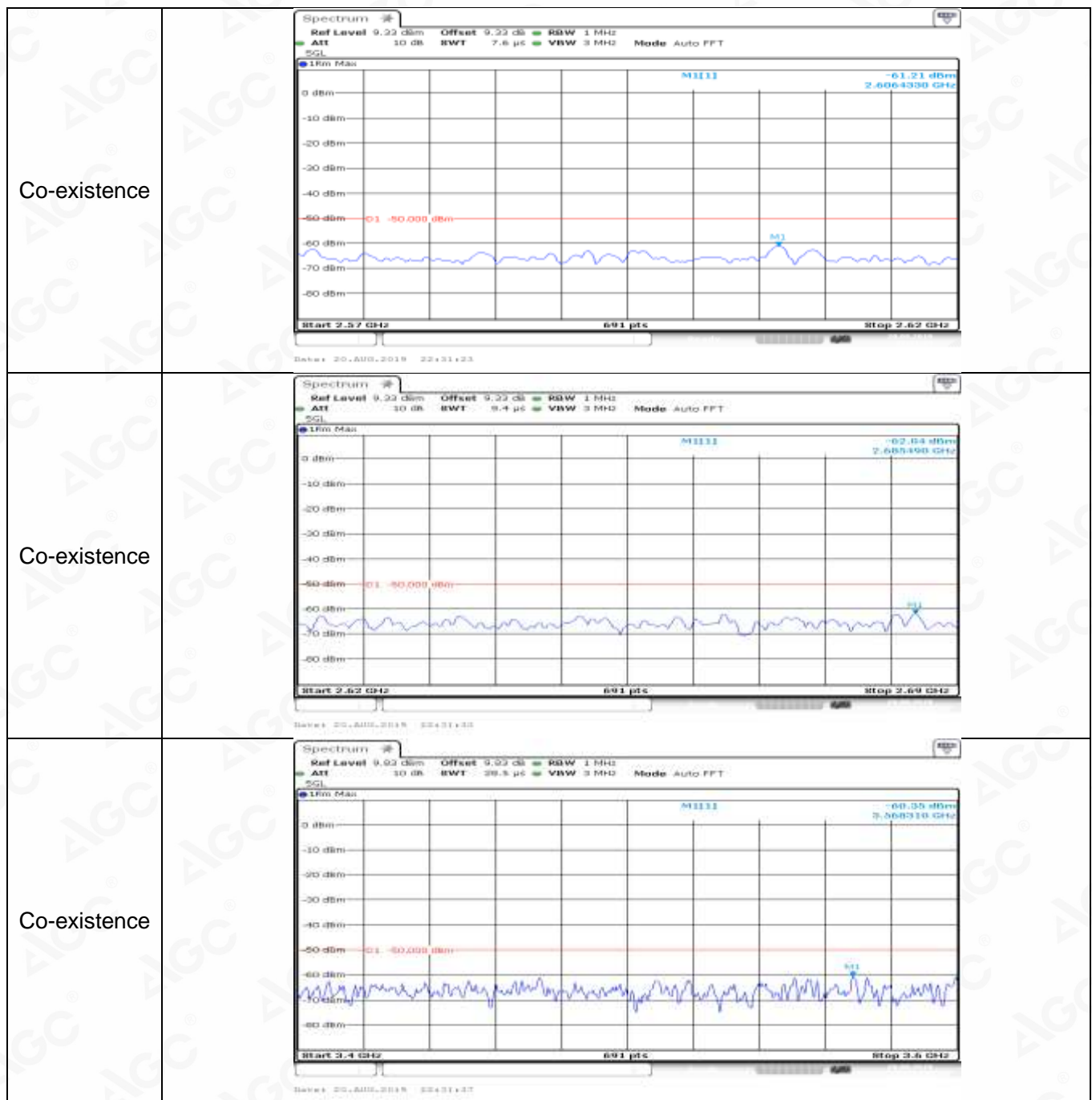
General	
General	
General	

General	
General	
Co-existence	

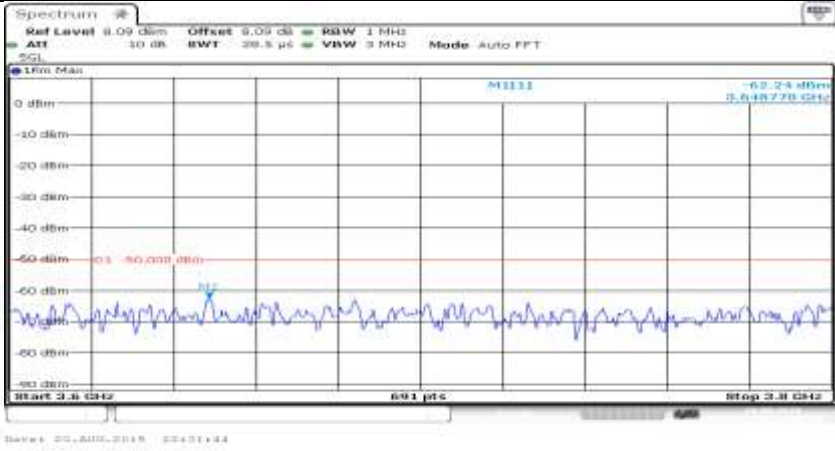


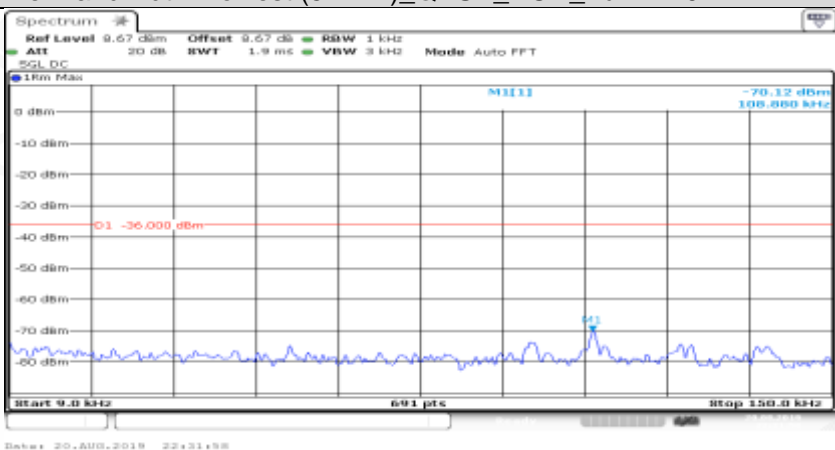
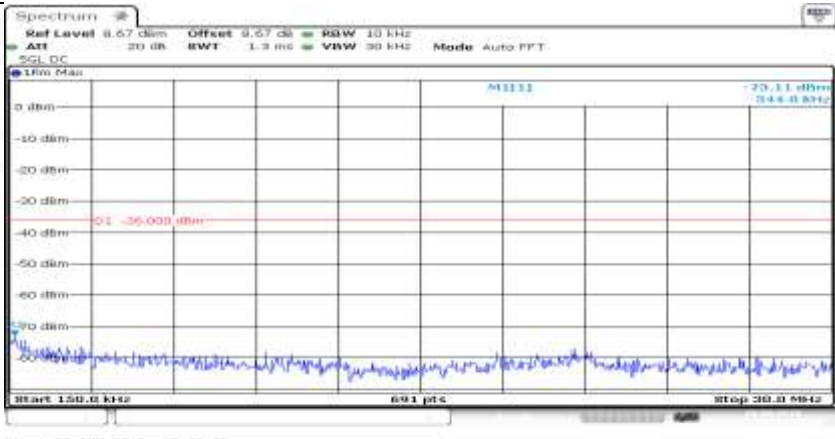
Co-existence	
Co-existence	
Co-existence	

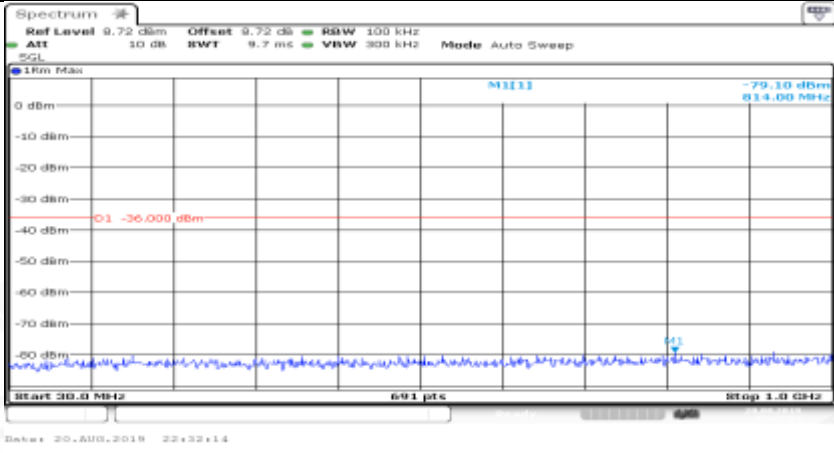
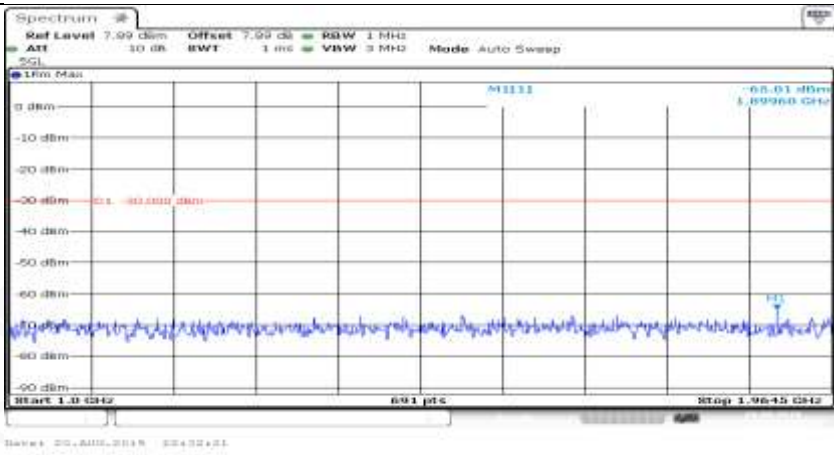
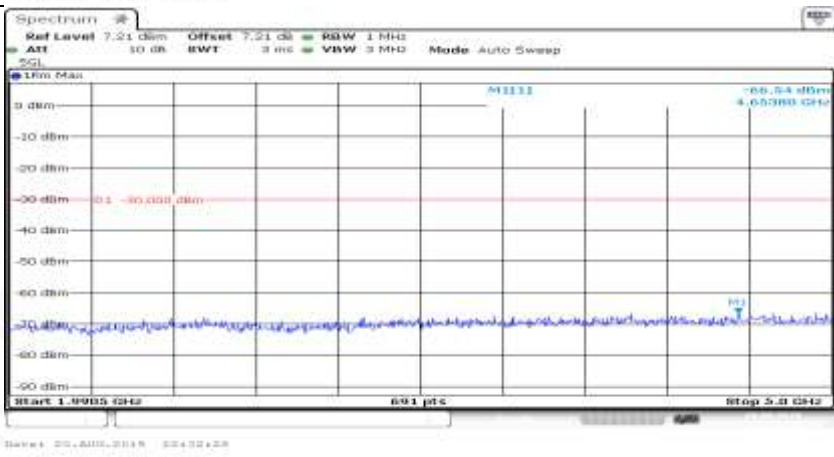
Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.17 GHz</p>
Co-existence	 <p>Start 2.3 GHz Stop 2.4 GHz</p>



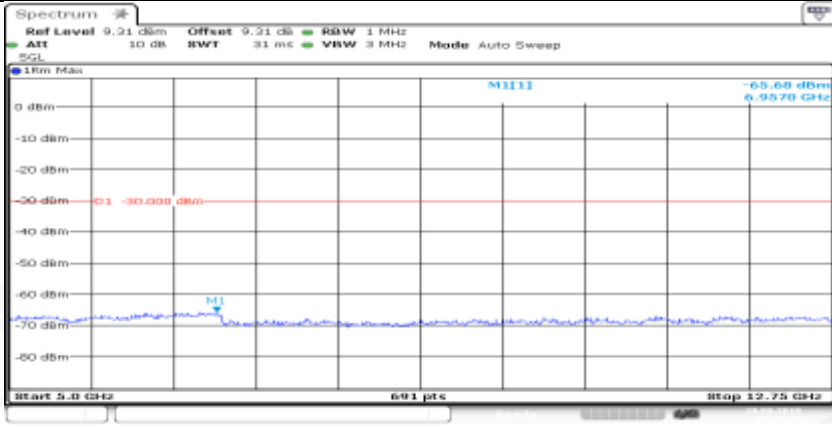




Co-existence	
Additional	NA


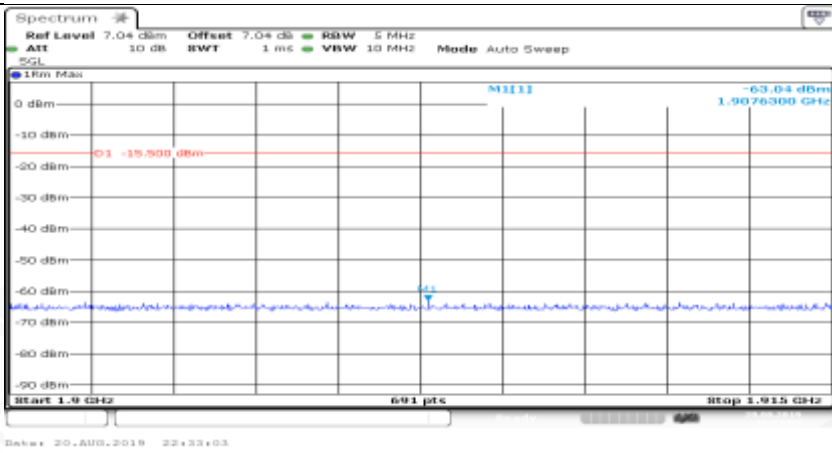
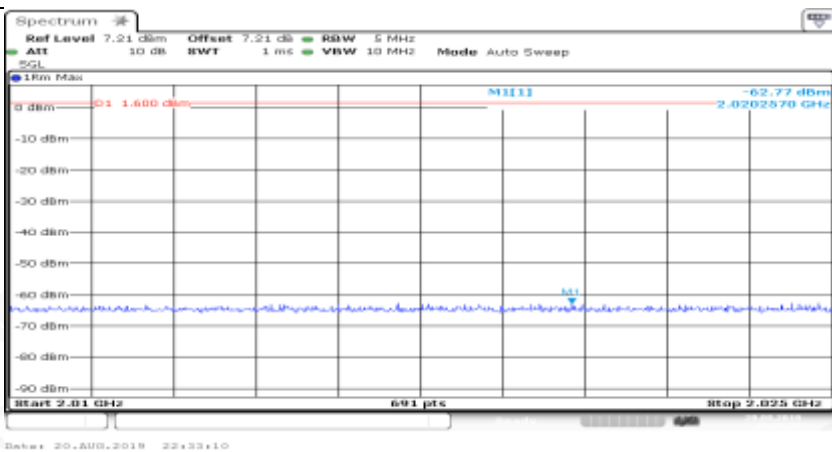
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	
General	

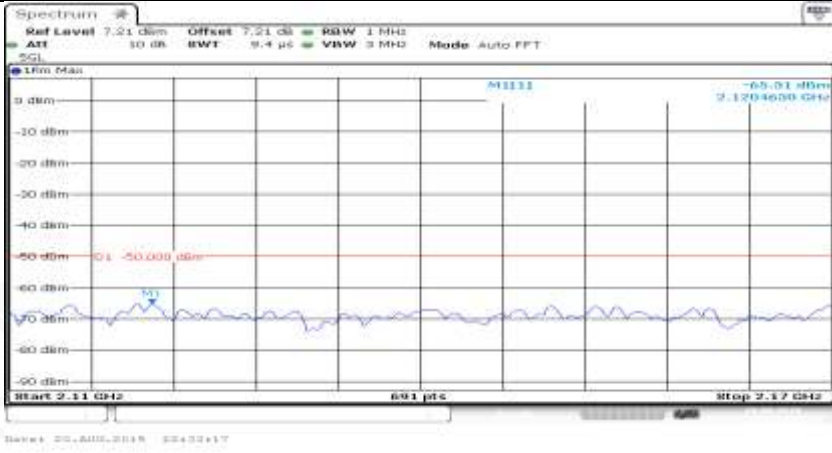
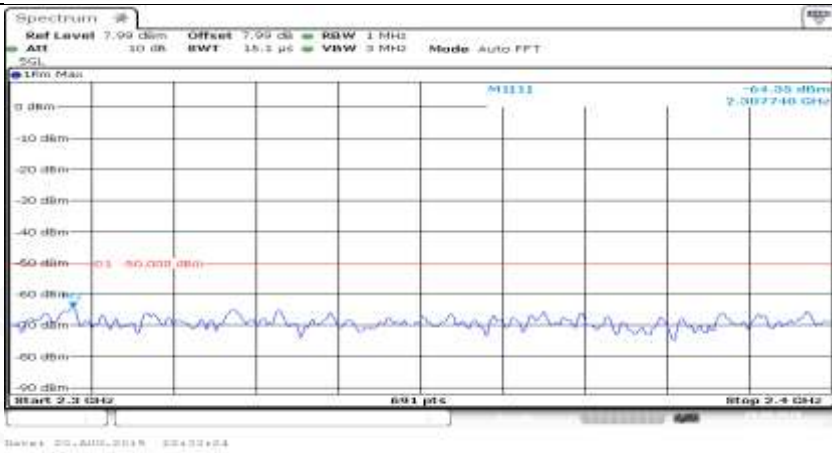
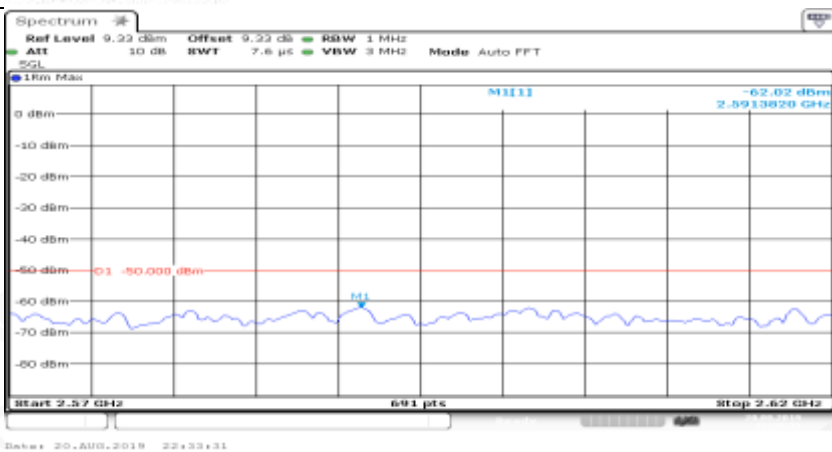
General	
General	
General	

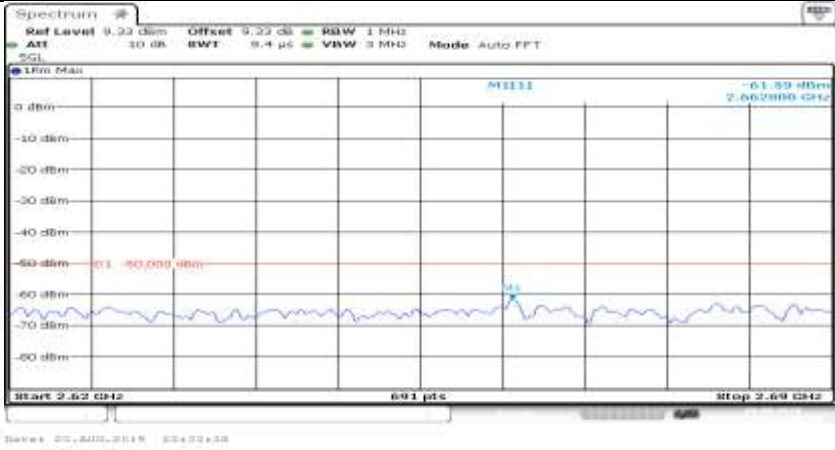
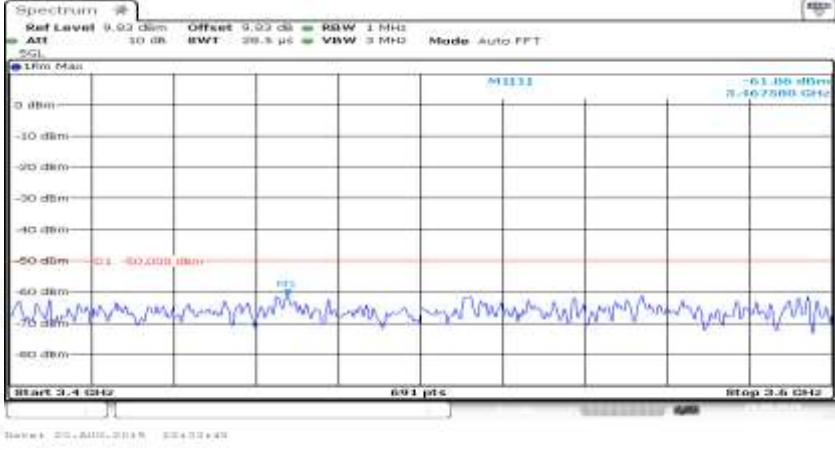
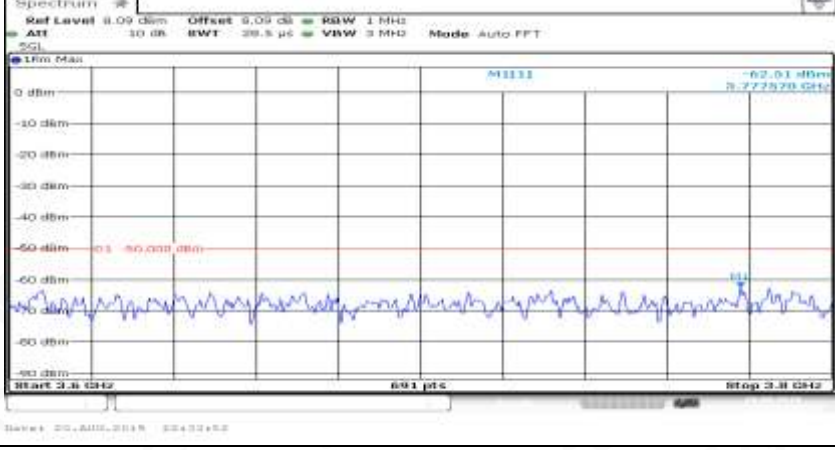


General	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

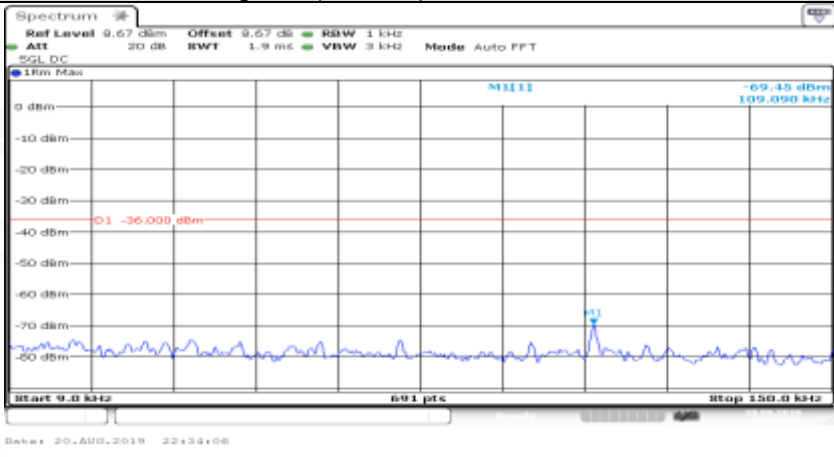
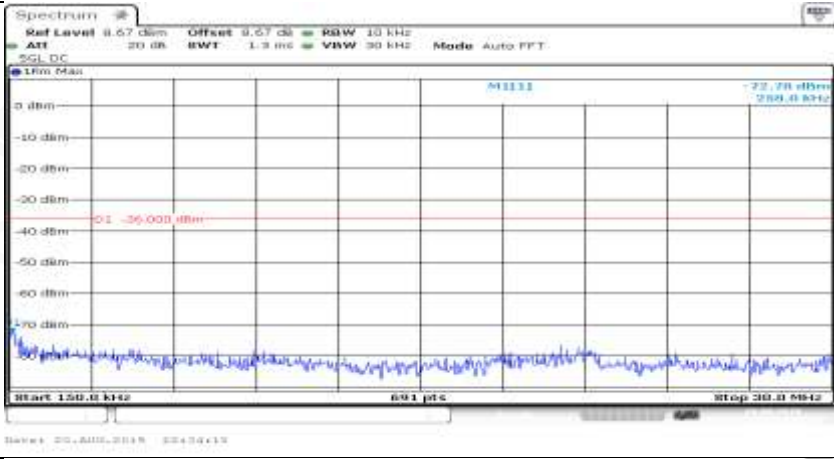
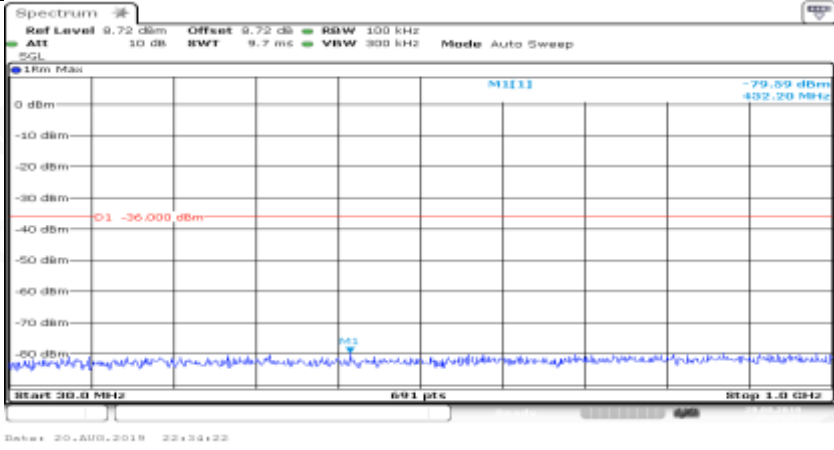
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA



Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_1RB#0

General	
General	
General	



Attestation of Global Compliance

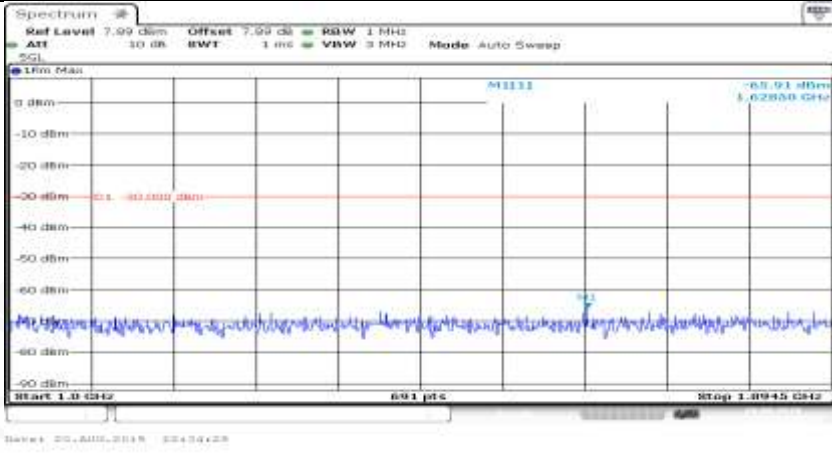
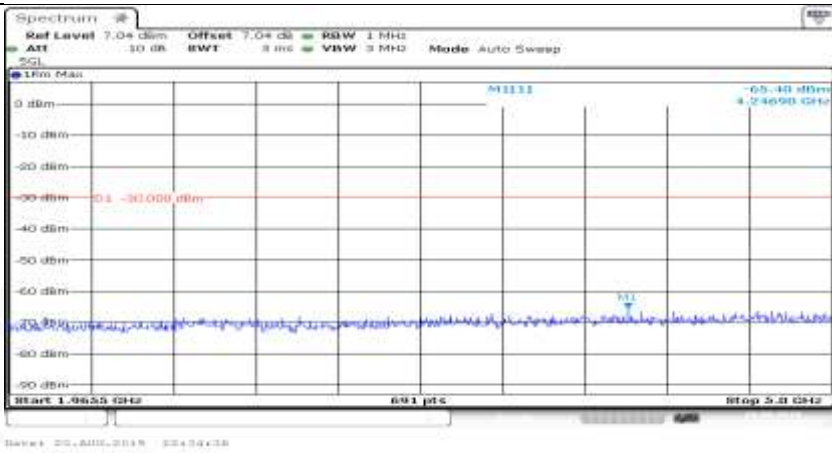
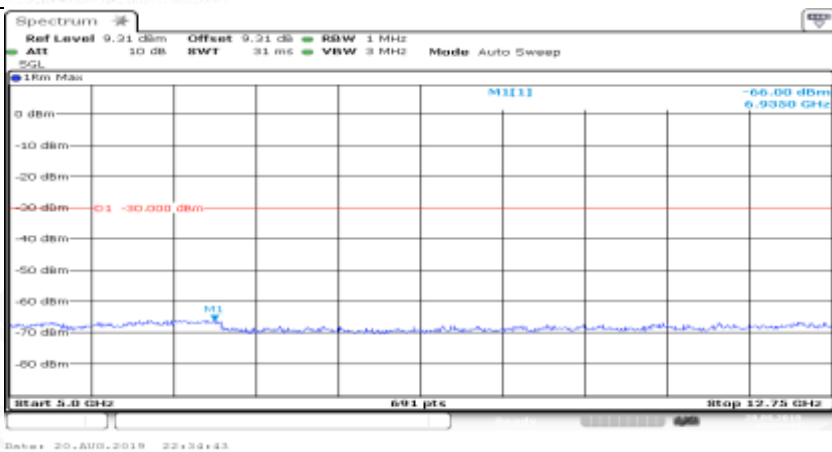
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

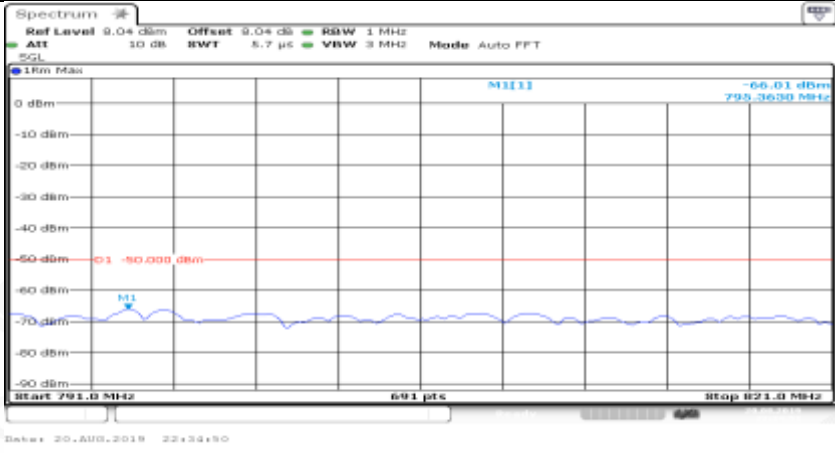
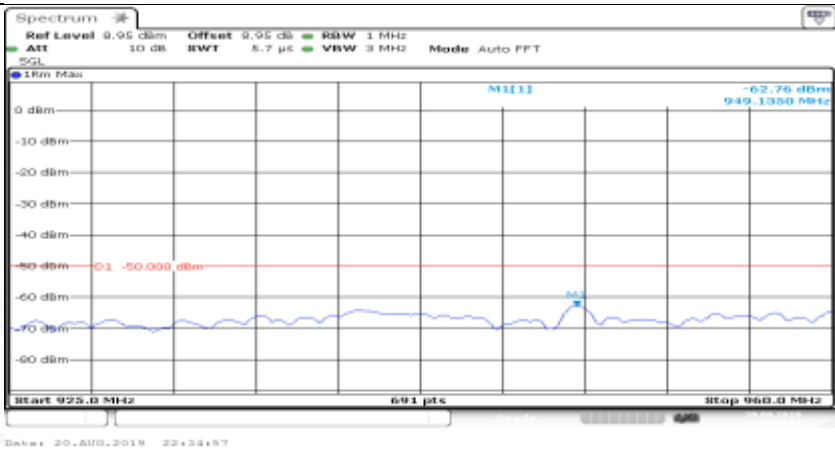
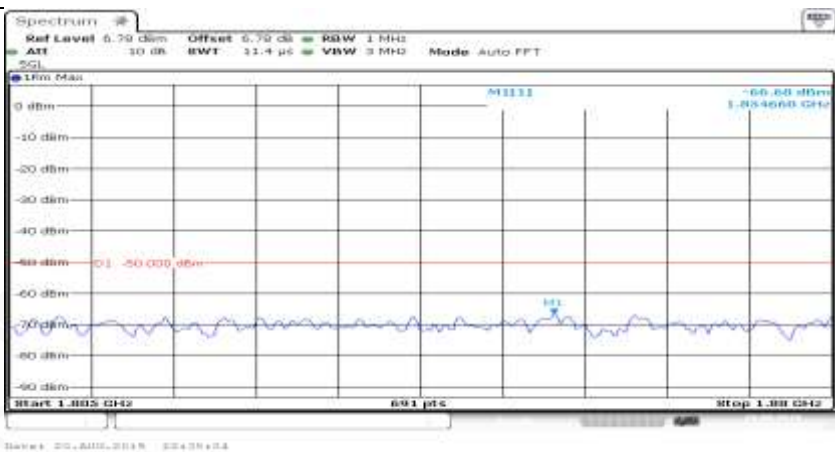
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

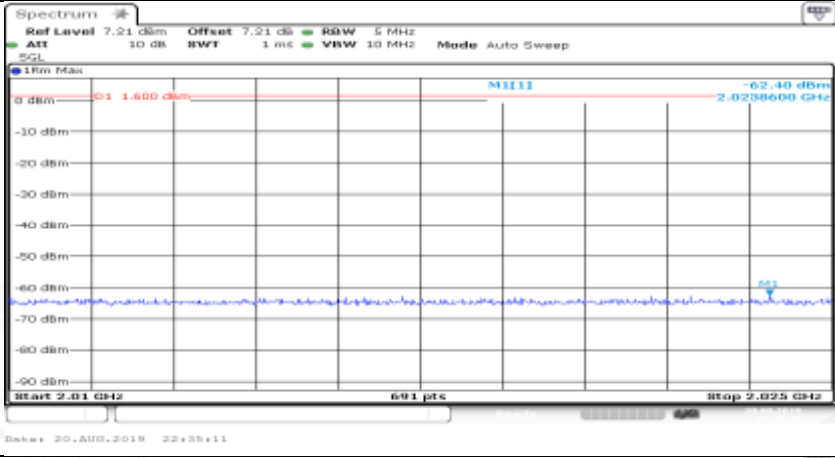
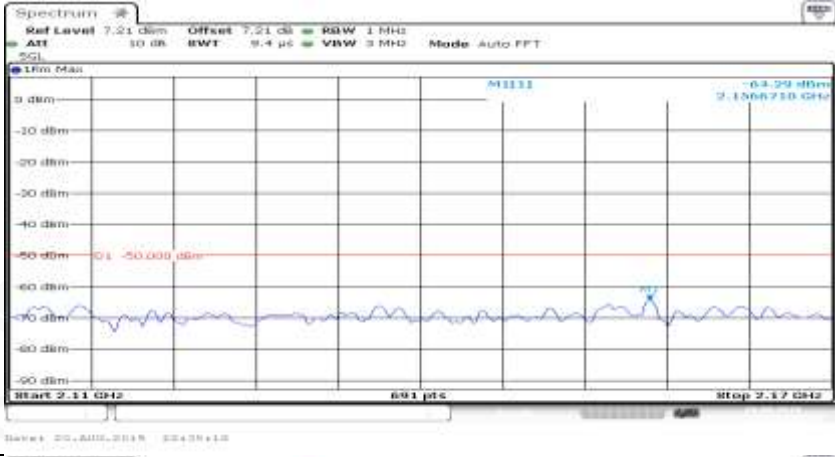
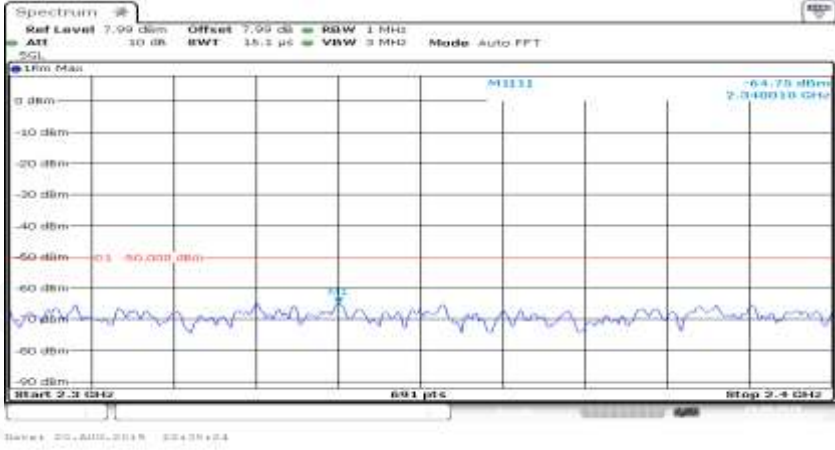
E-mail: agc@agc-cert.com

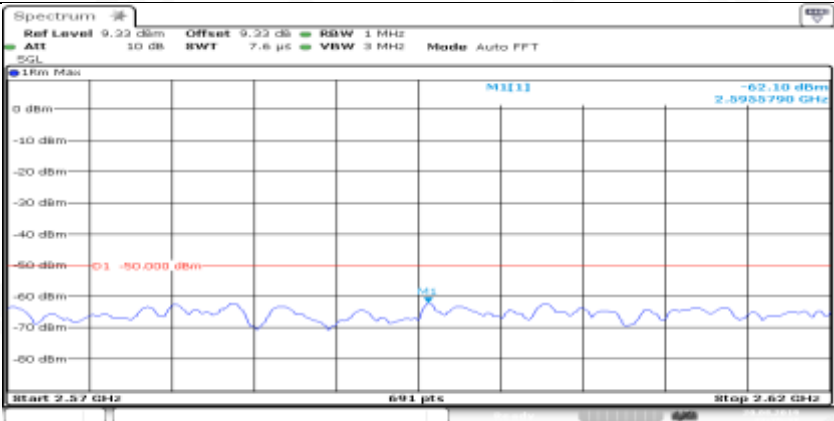
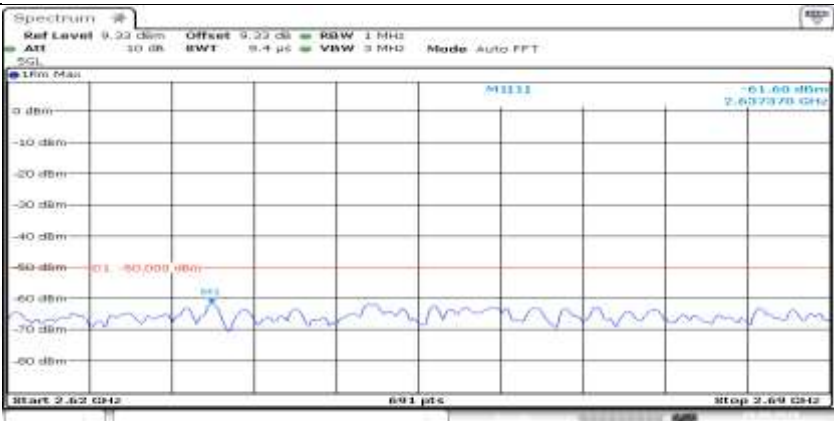
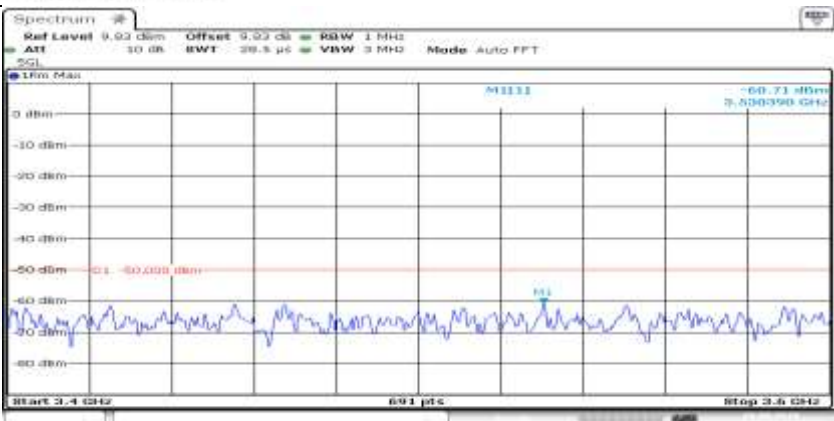
Service Hotline: 400 089 2118

General	
General	
General	

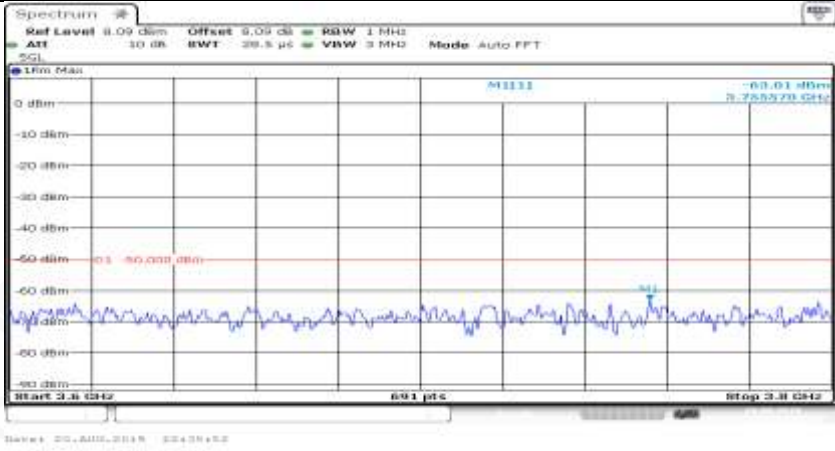
Co-existence	
Co-existence	
Co-existence	

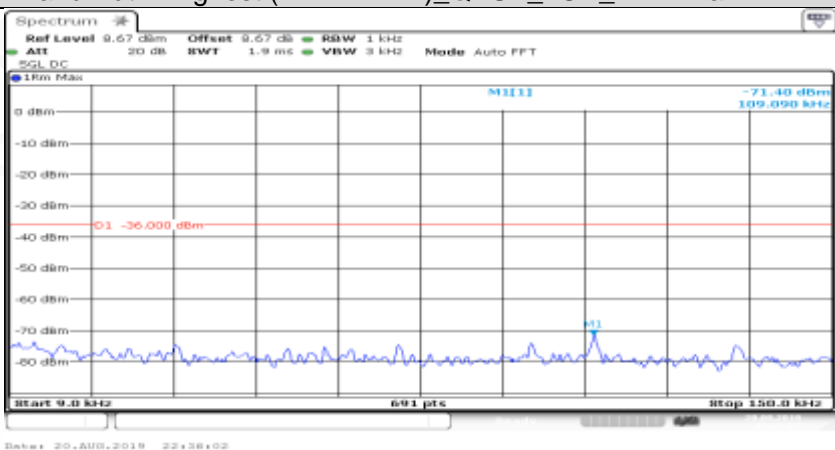
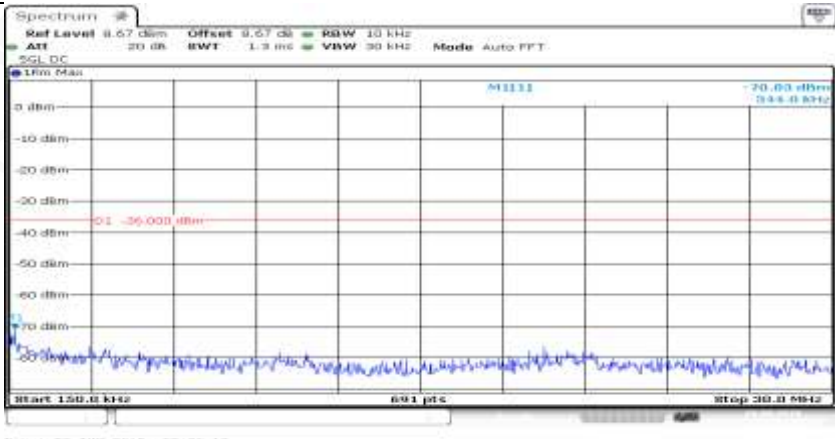


Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.01 GHz with a power level of -62.40 dBm. The frequency range is from 2.01 GHz to 2.025 GHz. The power level is -62.40 dBm at 2.025 GHz.</p>
Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.11 GHz with a power level of -64.29 dBm. The frequency range is from 2.11 GHz to 2.12 GHz. The power level is -64.29 dBm at 2.12 GHz.</p>
Co-existence	 <p>Spectrum plot showing Co-existence test results. The plot displays a signal at 2.4 GHz with a power level of -64.75 dBm. The frequency range is from 2.4 GHz to 2.4 GHz. The power level is -64.75 dBm at 2.4 GHz.</p>

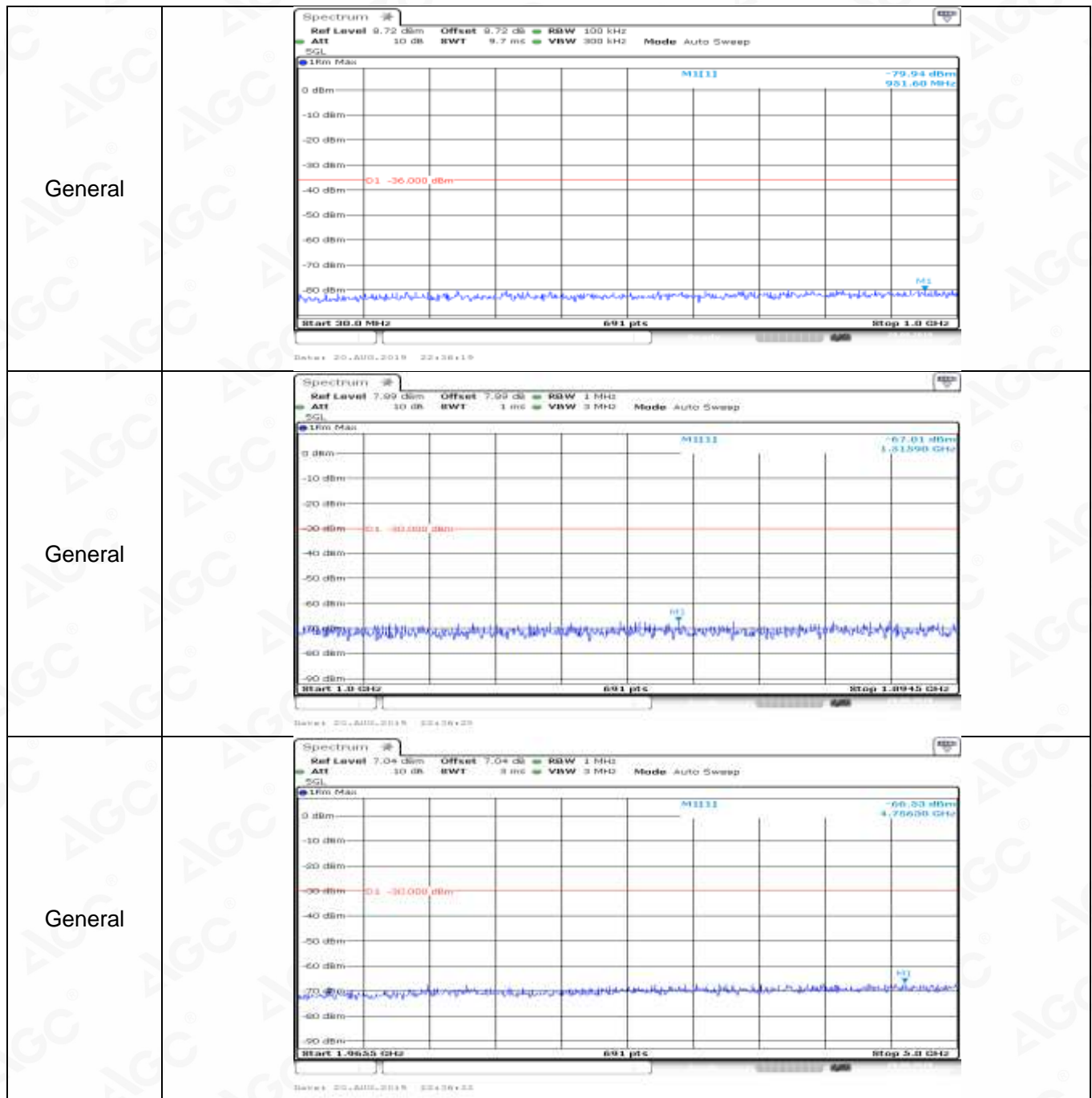
Co-existence	
Co-existence	
Co-existence	

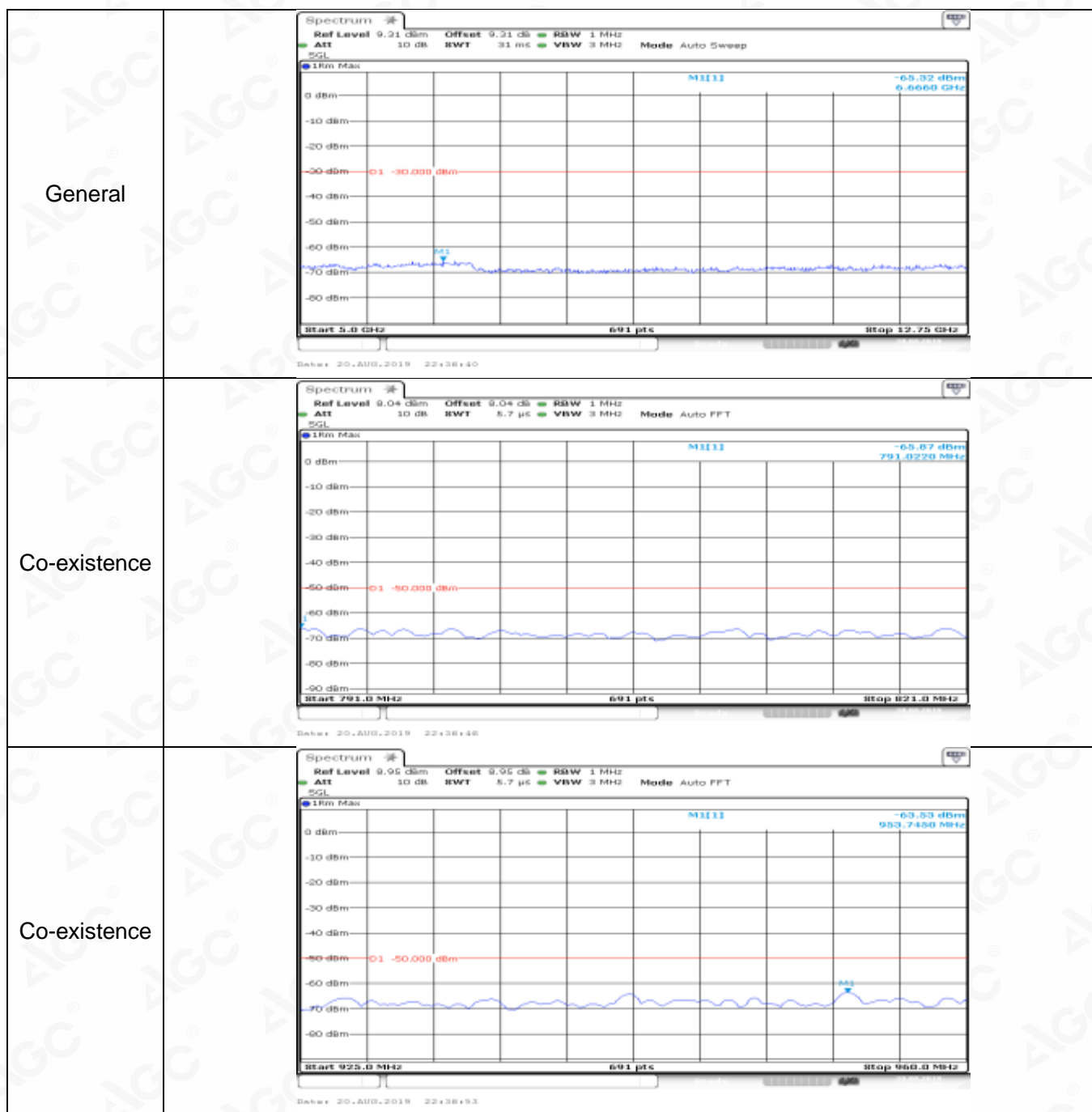


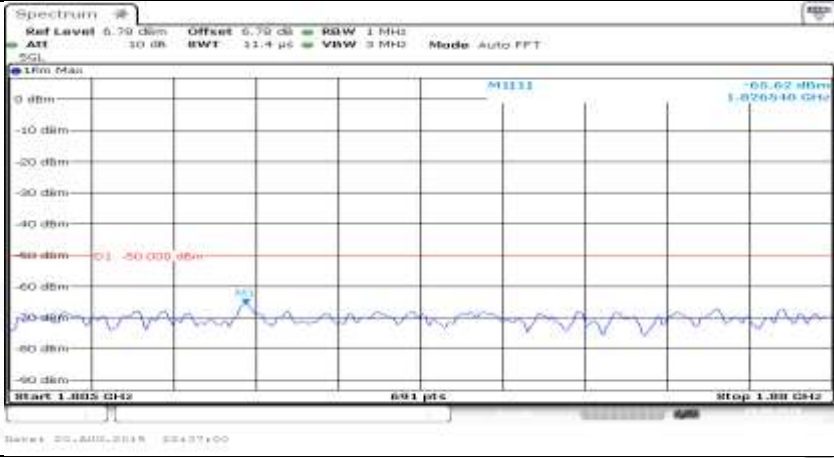
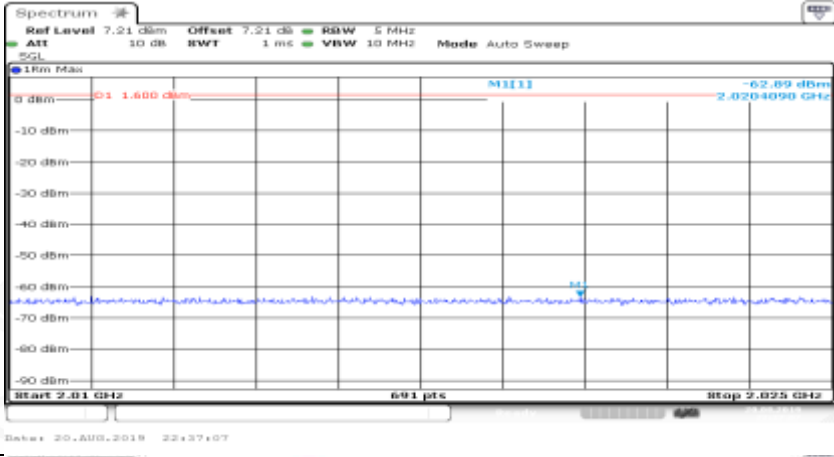
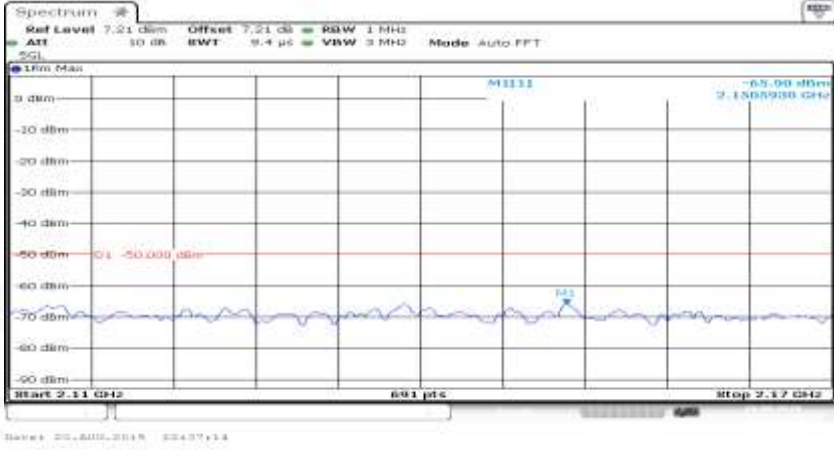
Co-existence	
Additional	NA

Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	




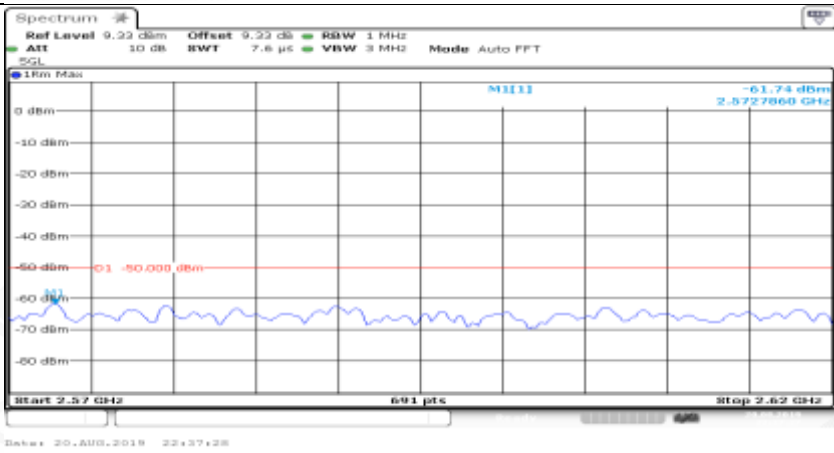





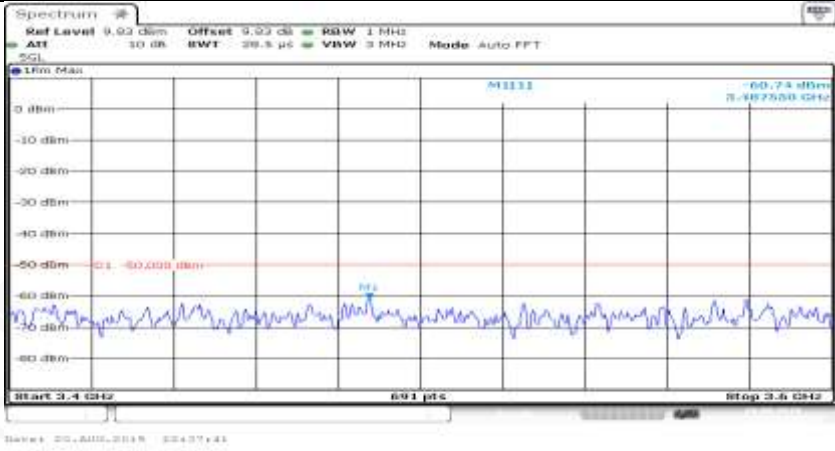
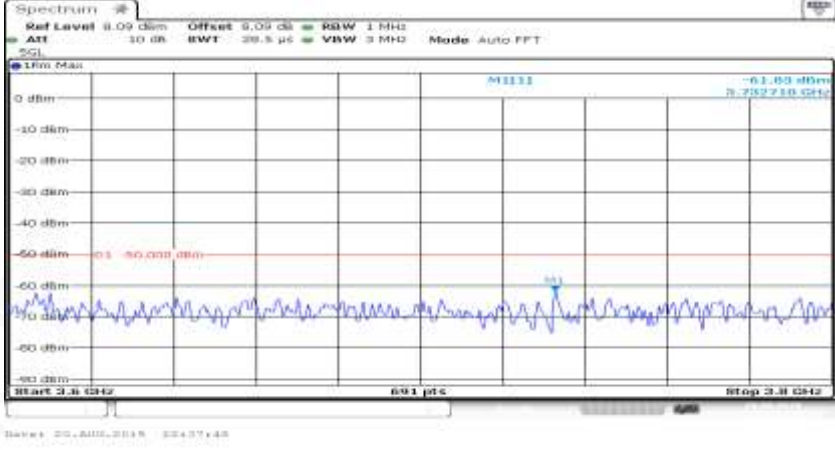
Co-existence	
Co-existence	
Co-existence	

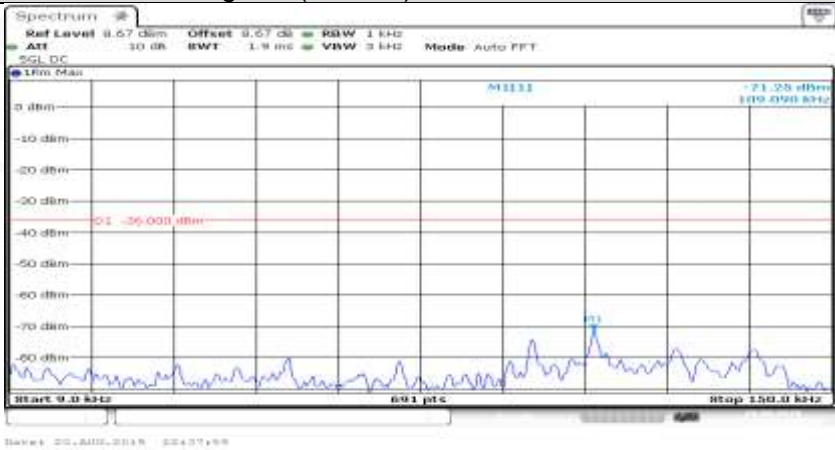


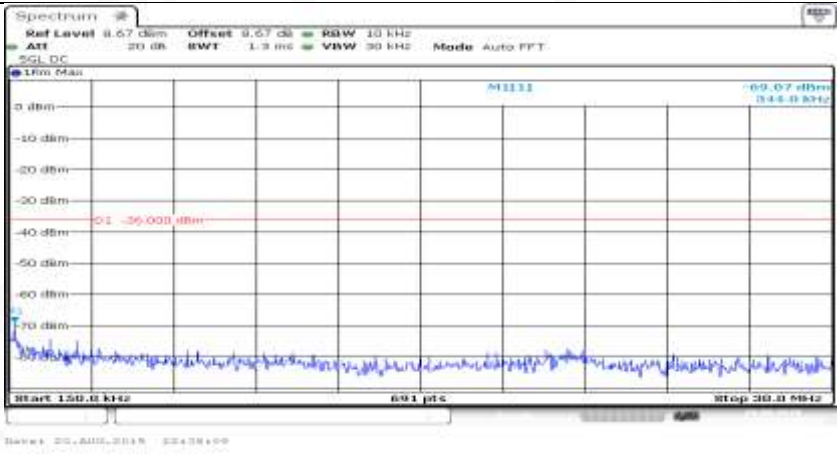
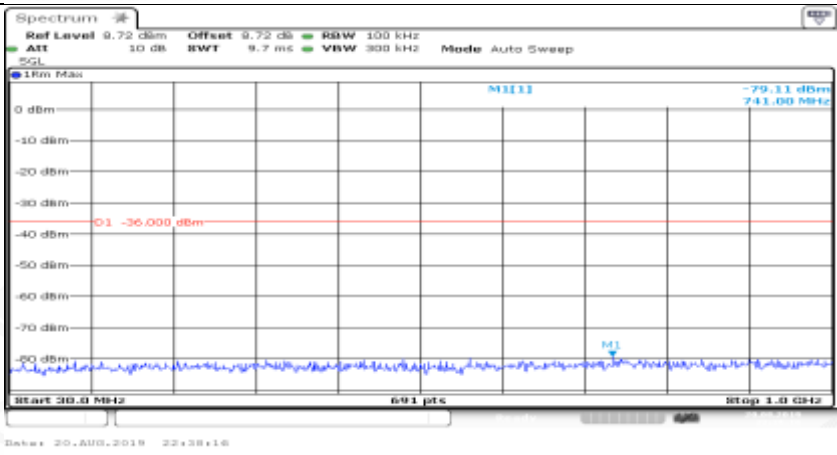
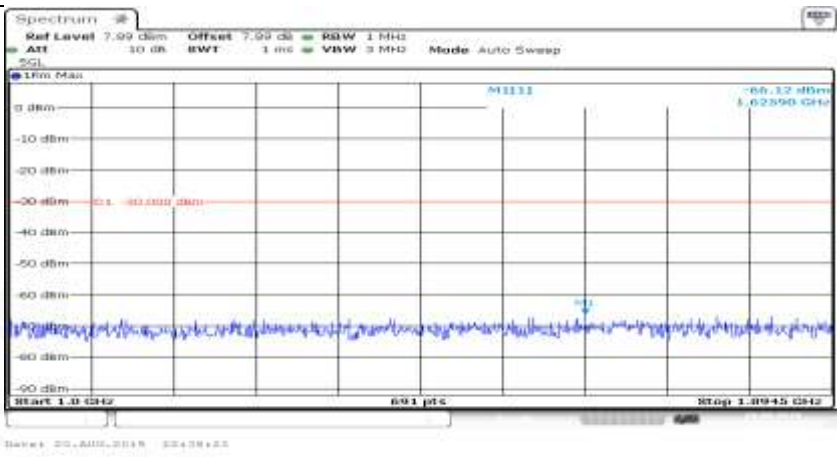


Co-existence	
Co-existence	
Co-existence	

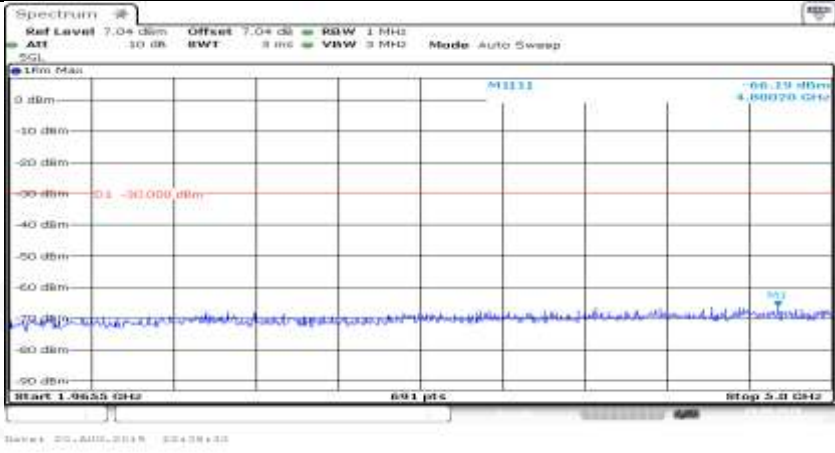
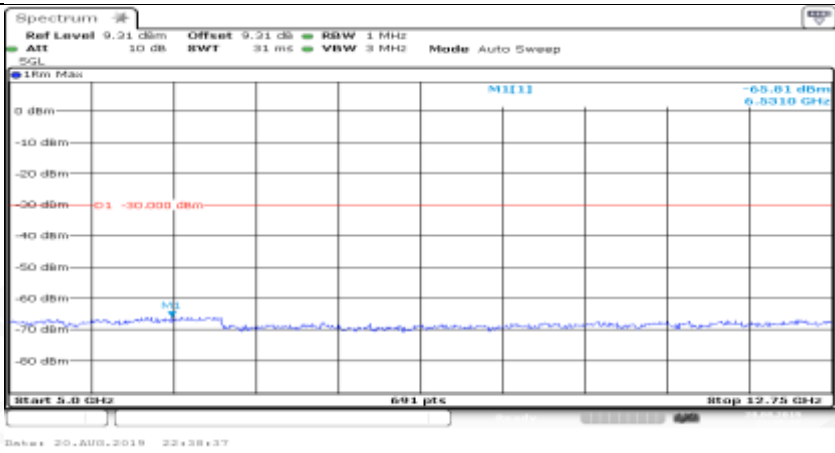
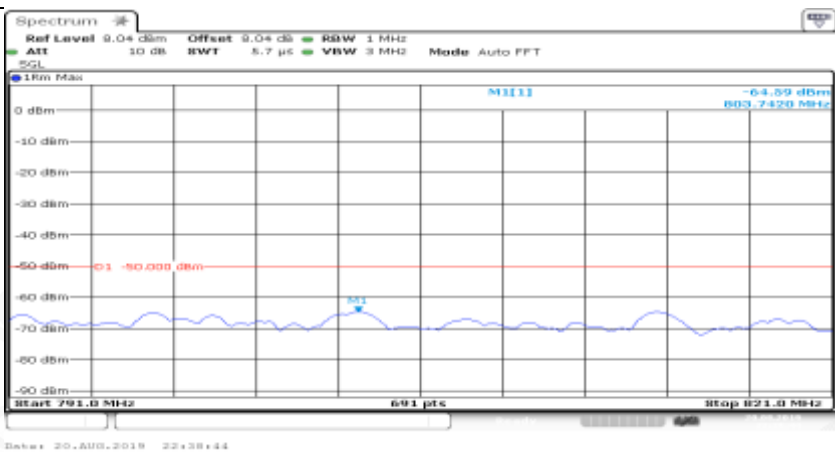


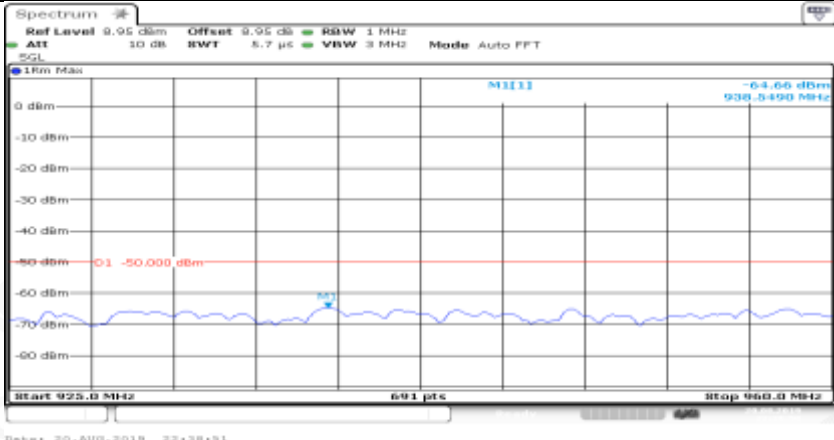
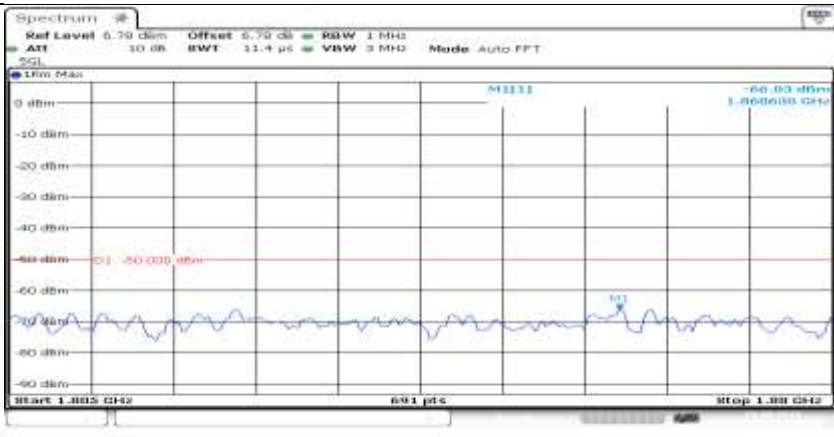
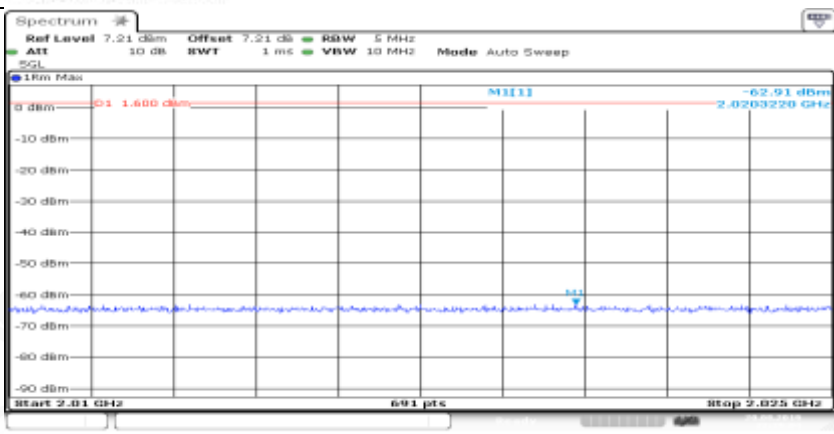
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	

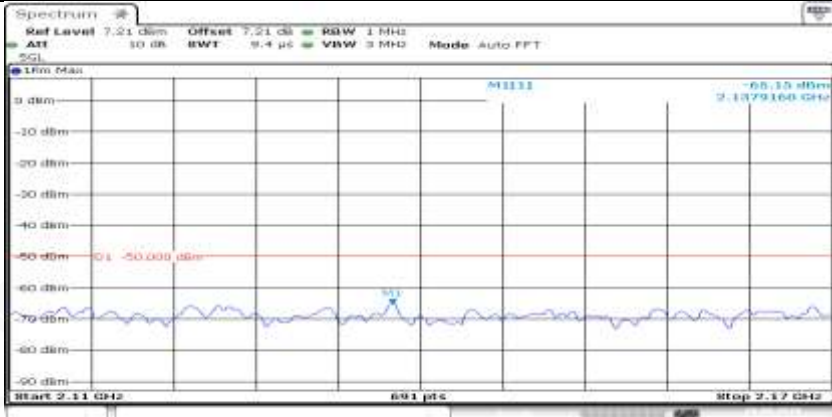
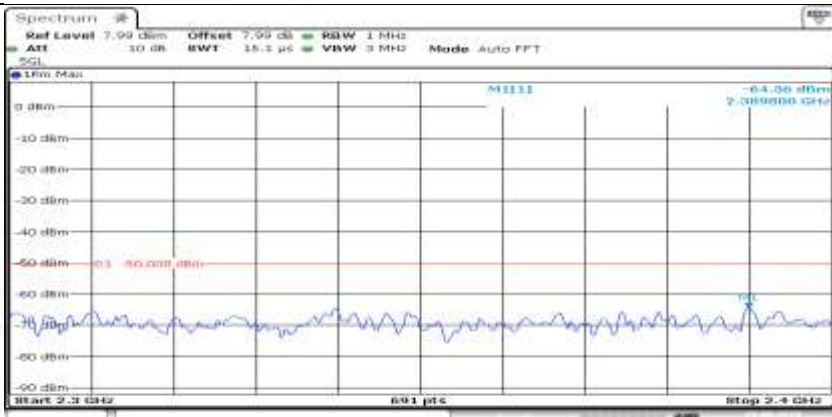
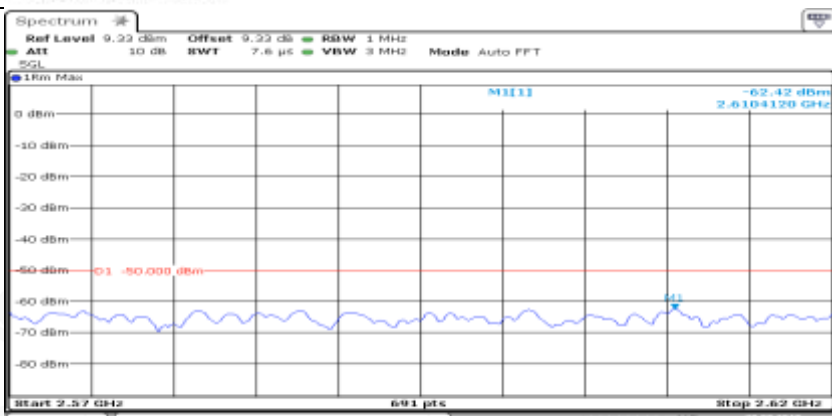
General	
General	
General	



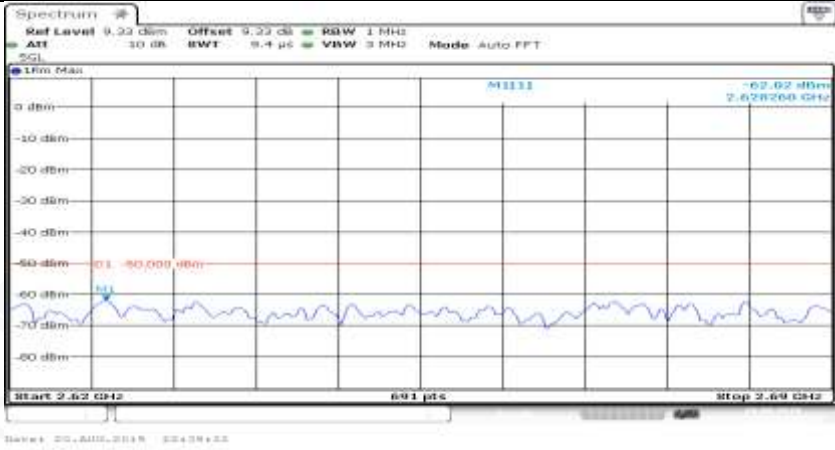
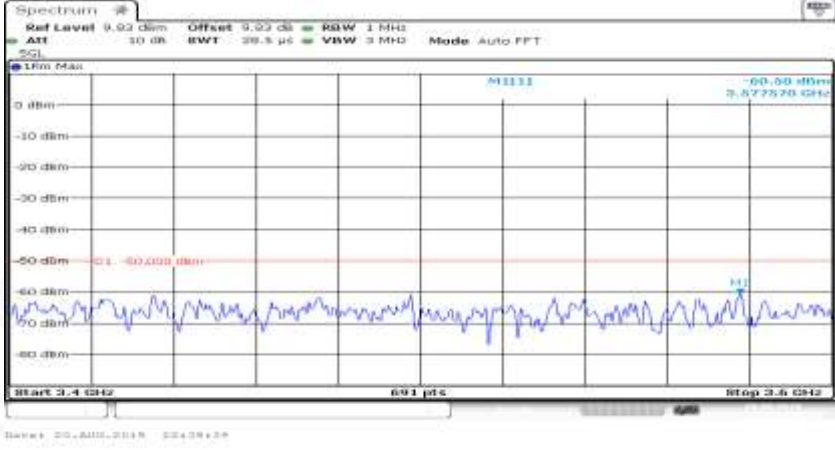

General	
General	
Co-existence	

Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Date: 20.AUG.2018 22:38:51</p>
Co-existence	 <p>Start 1.005 GHz Stop 1.100 GHz</p> <p>Date: 20.AUG.2018 22:38:58</p>
Co-existence	 <p>Start 2.011 GHz Stop 2.025 GHz</p> <p>Date: 20.AUG.2018 22:38:04</p>

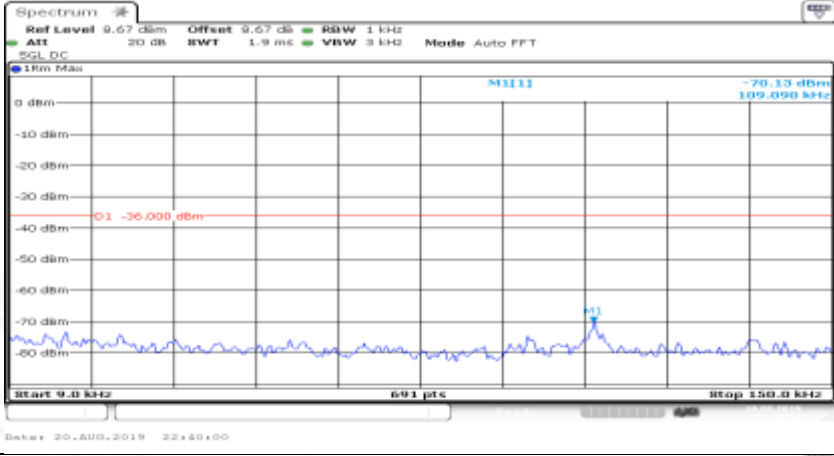
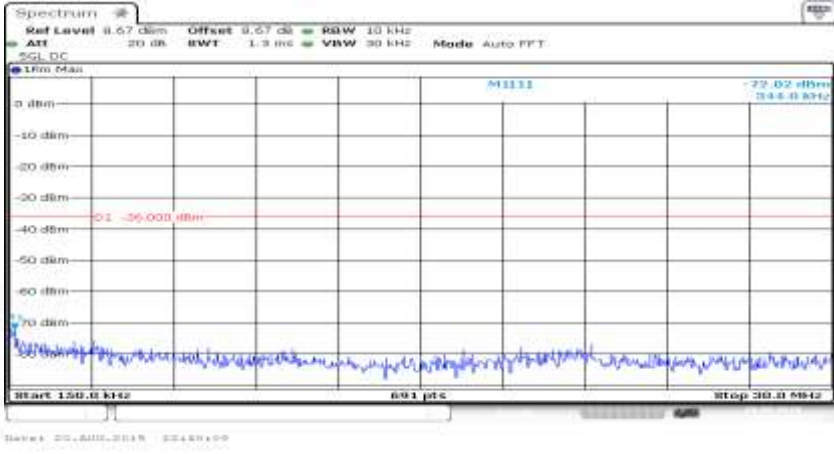
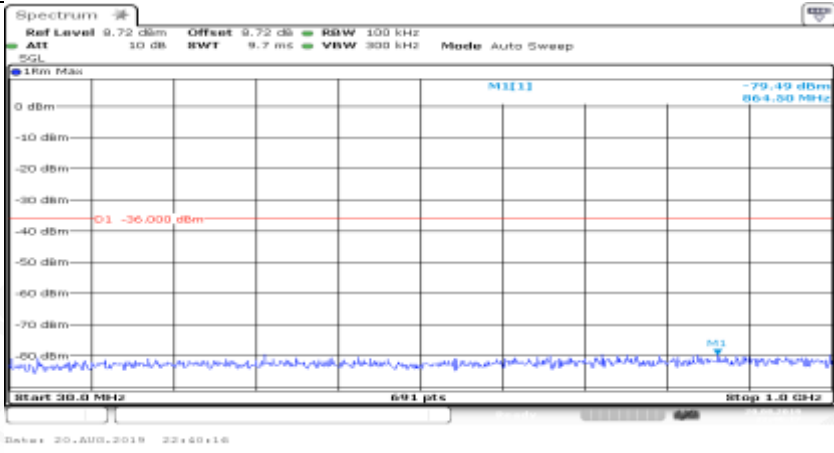


Co-existence	
Co-existence	
Co-existence	

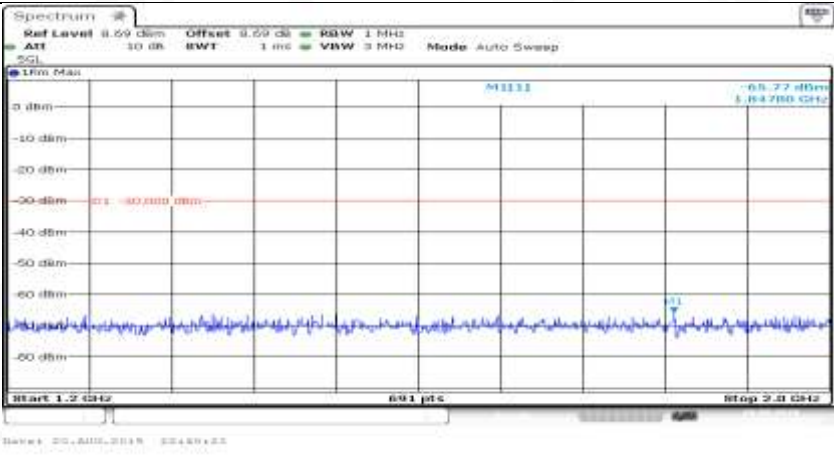
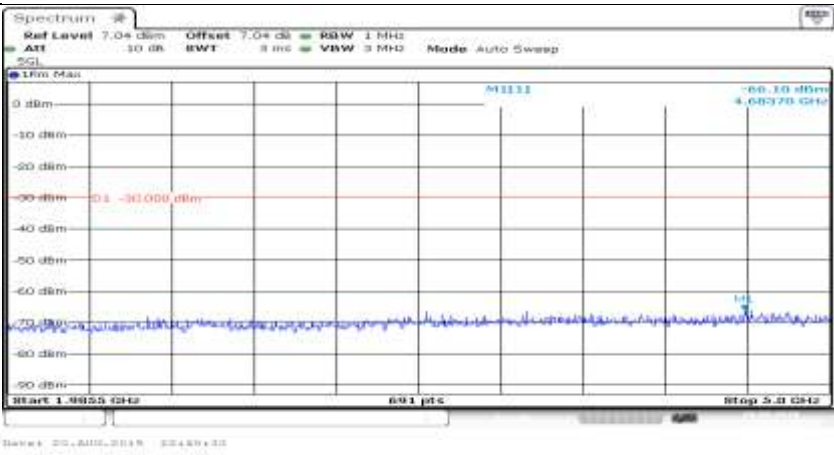
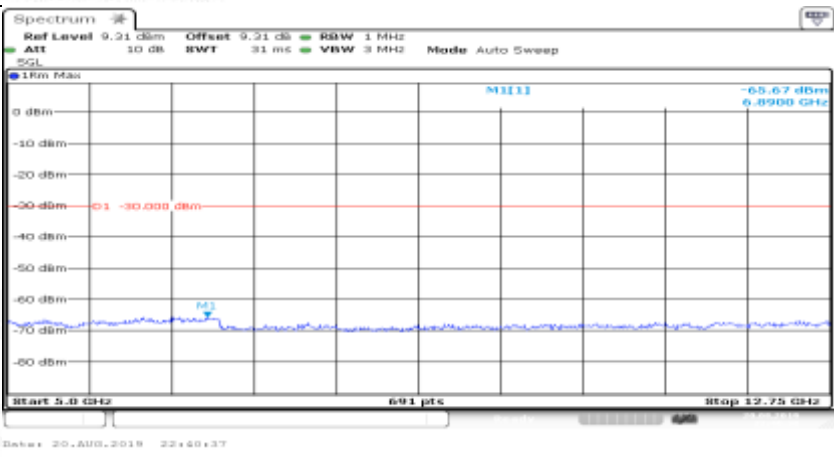


Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

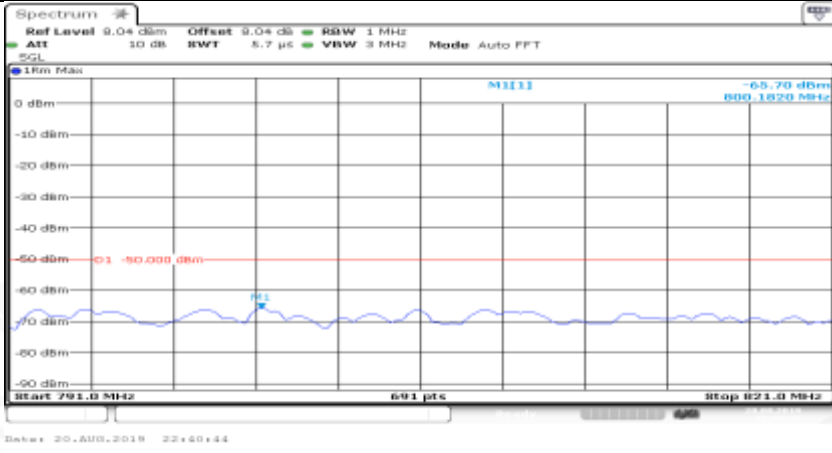
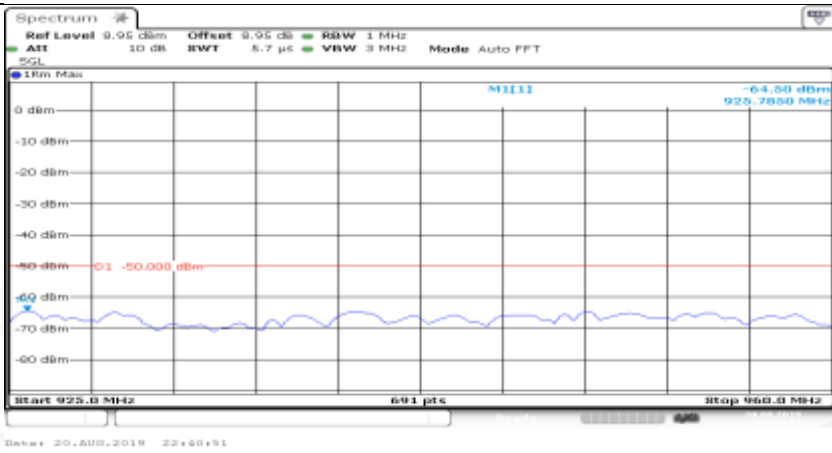
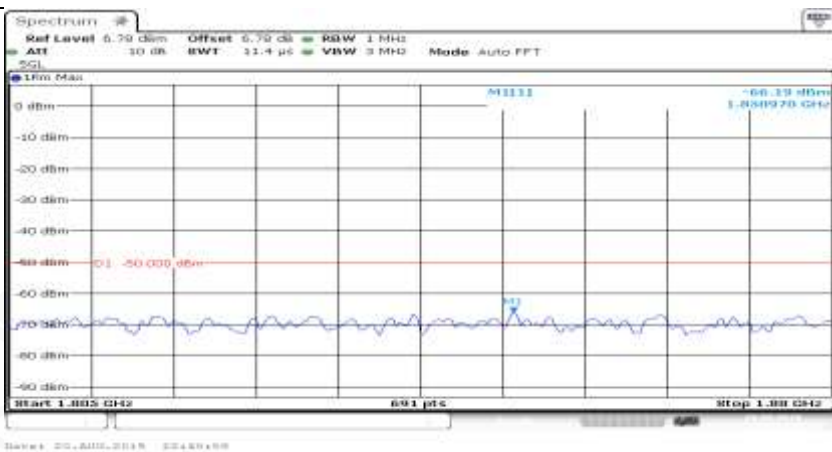
General	
General	
General	



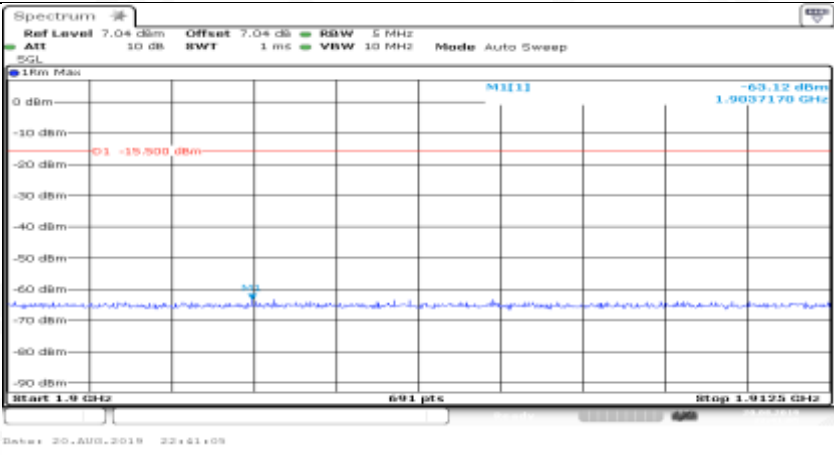
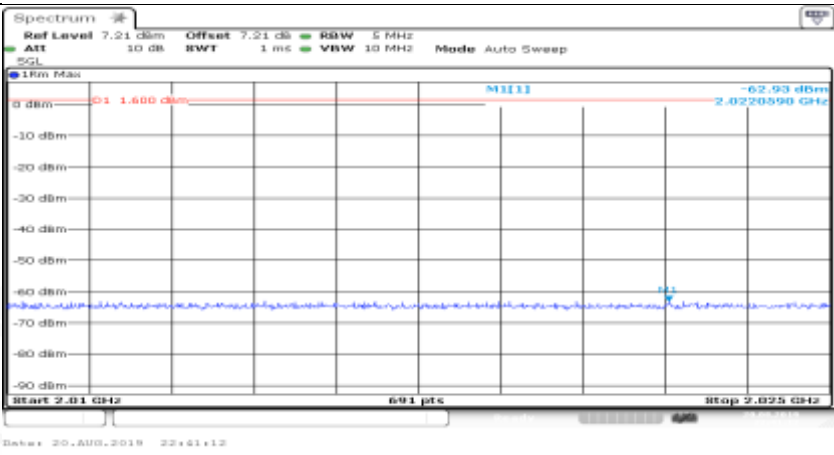

General	
General	
General	



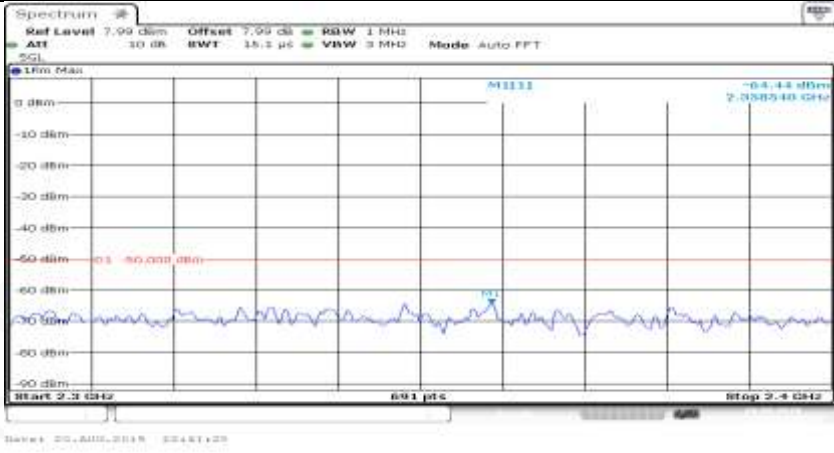
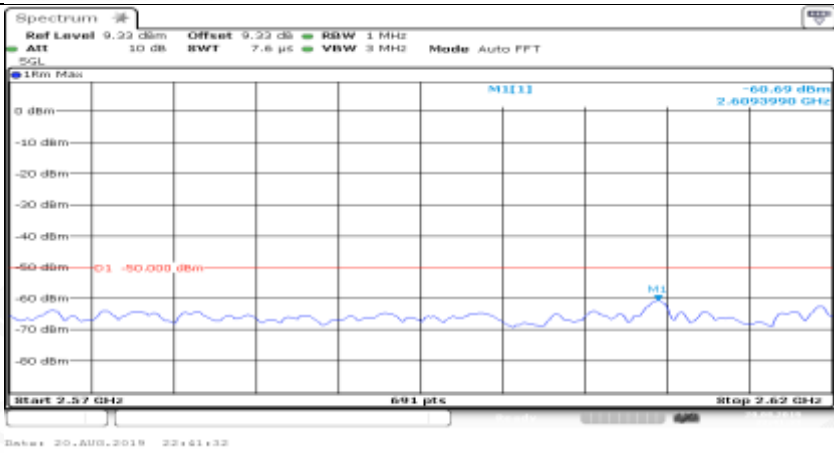
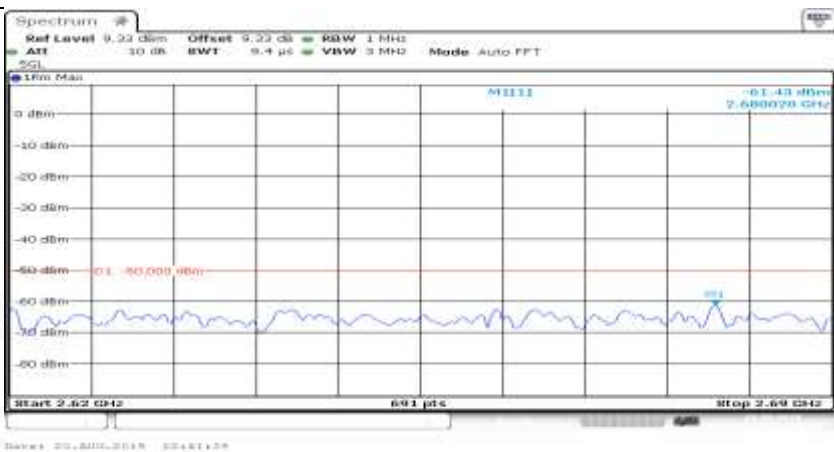


Co-existence	
Co-existence	
Co-existence	




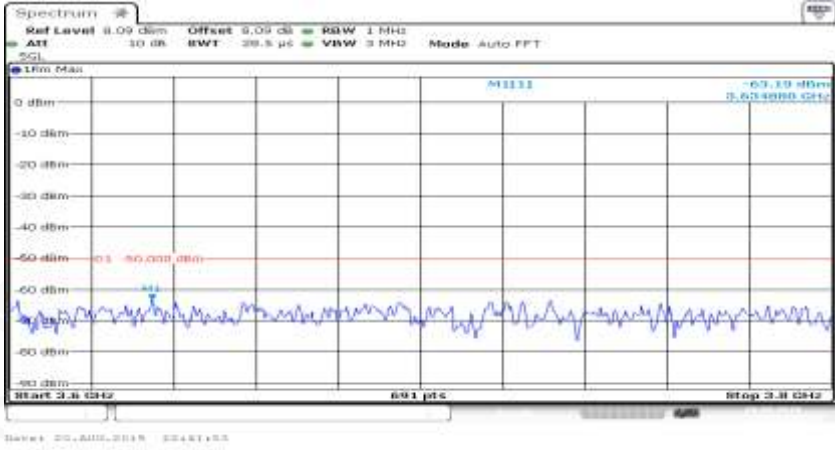
Co-existence	
Co-existence	
Co-existence	




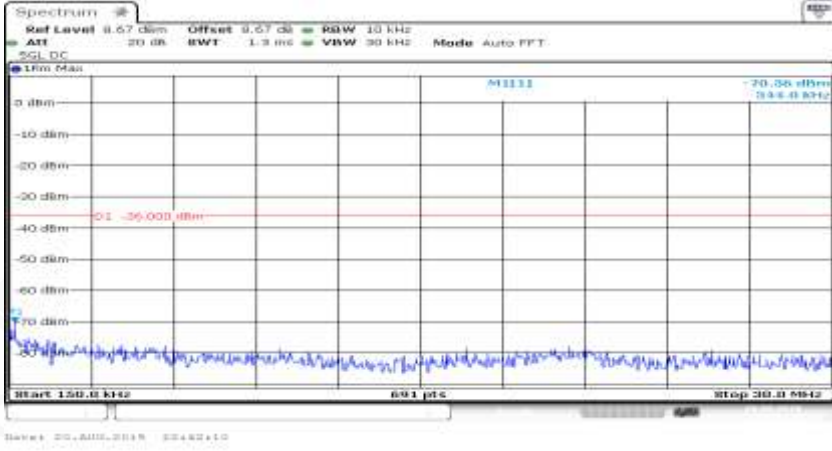
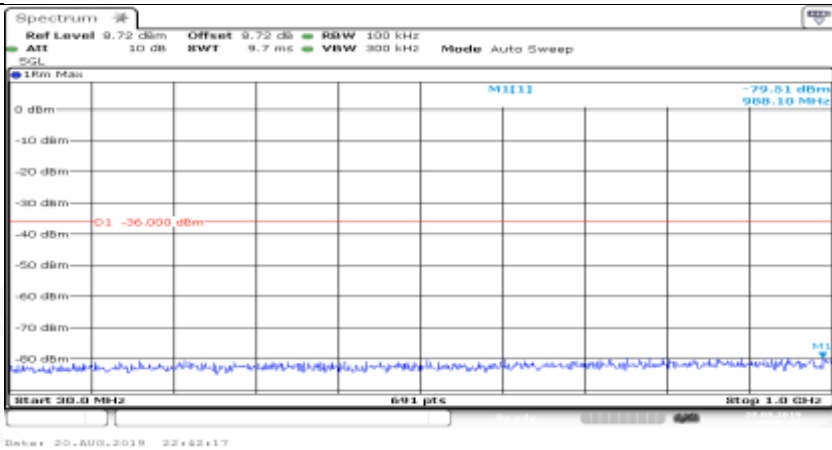
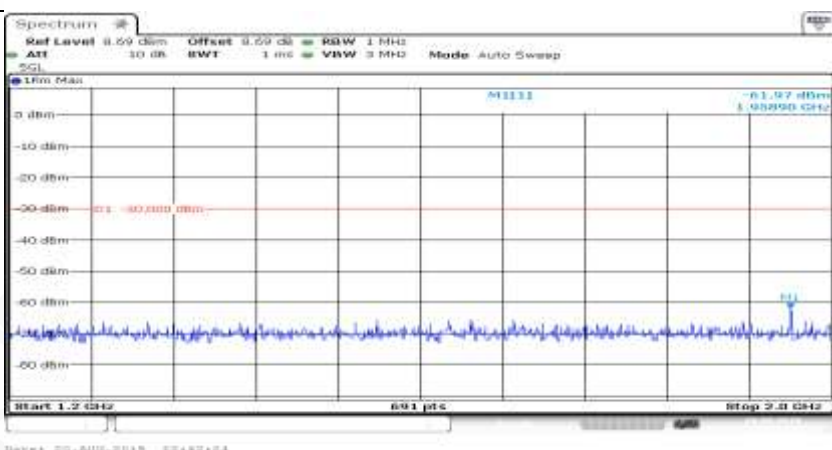
Co-existence	
Co-existence	
Co-existence	

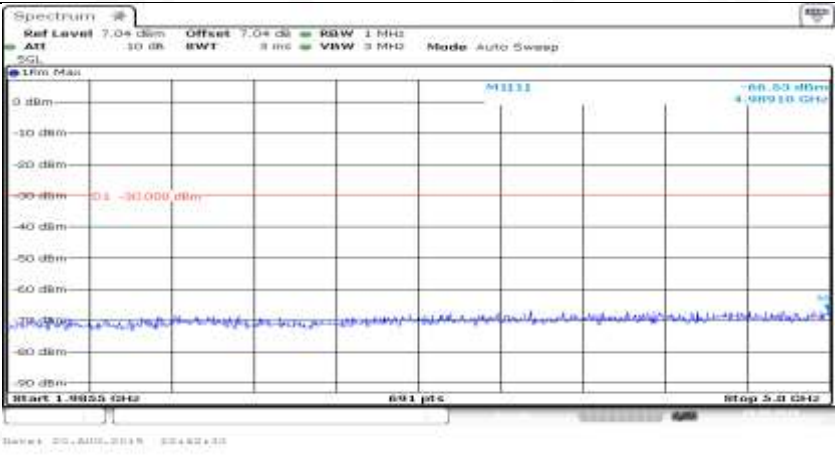
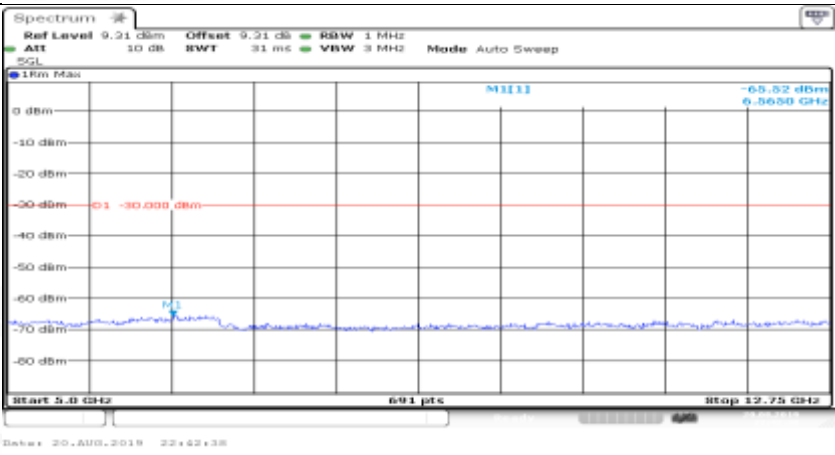
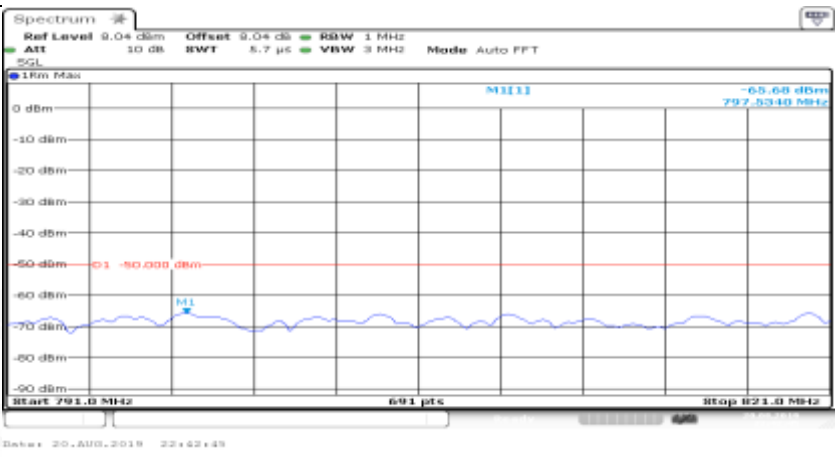




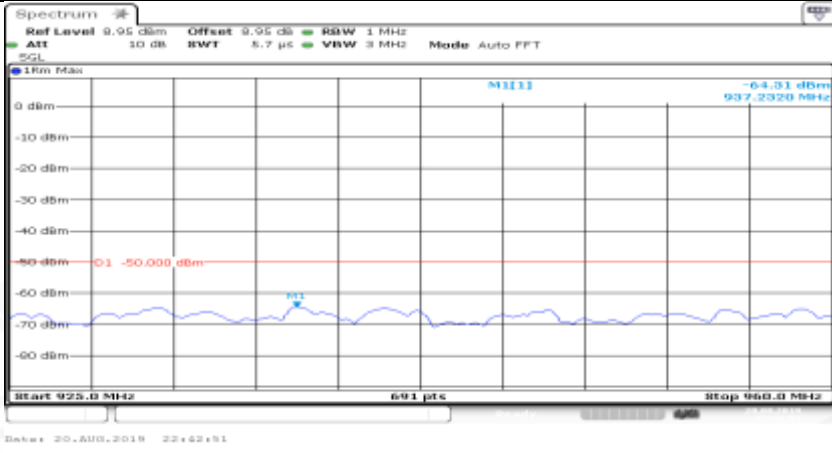

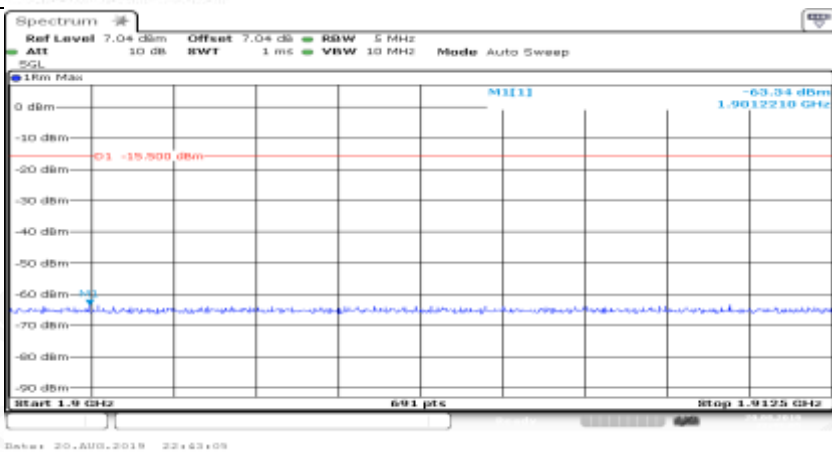
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	

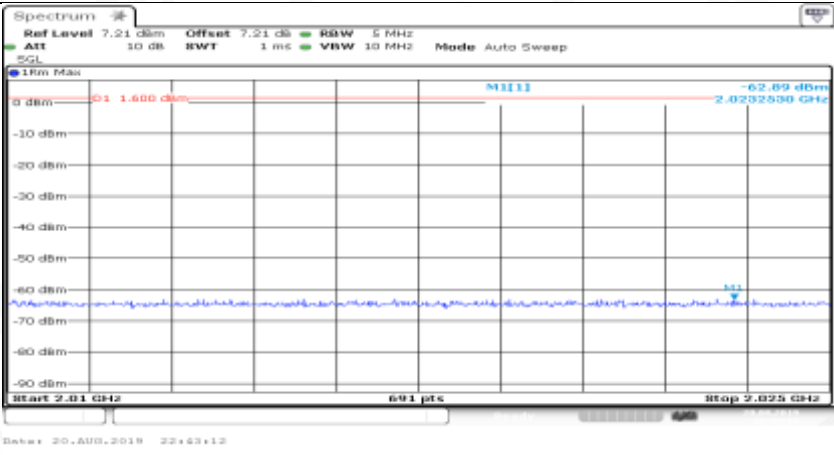


General	
General	
General	

General	
General	
Co-existence	

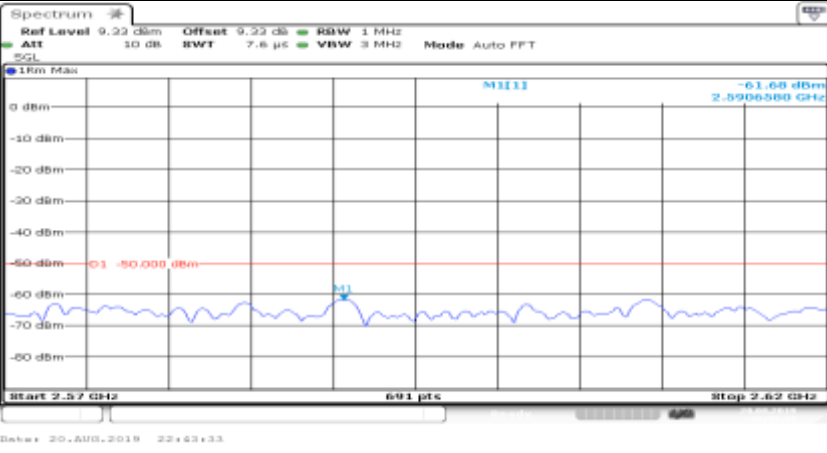

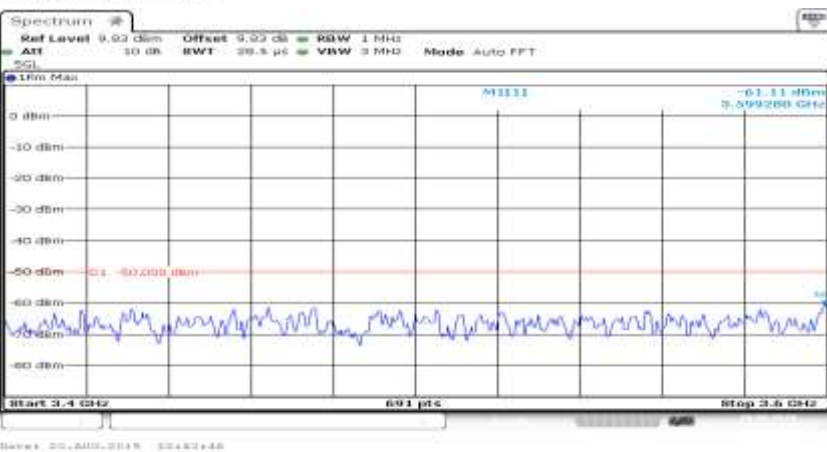


Co-existence	
Co-existence	
Co-existence	



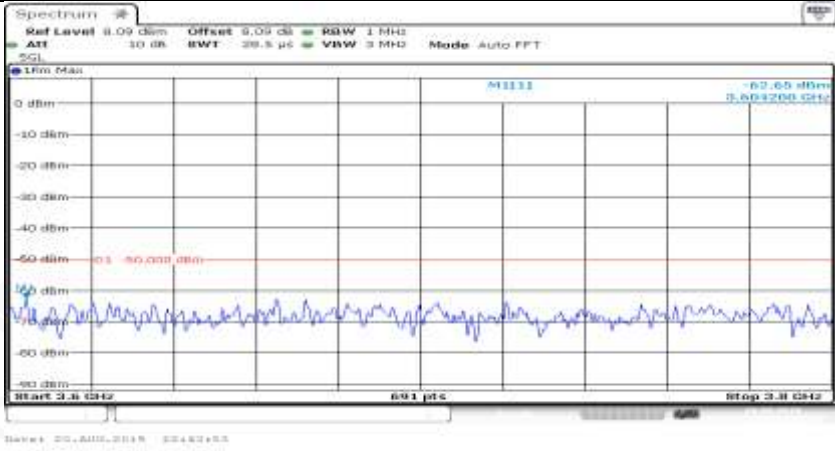
Co-existence	
Co-existence	
Co-existence	



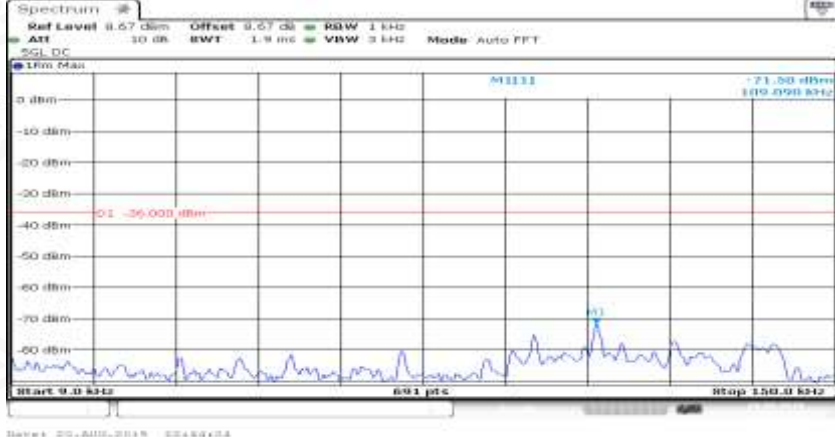
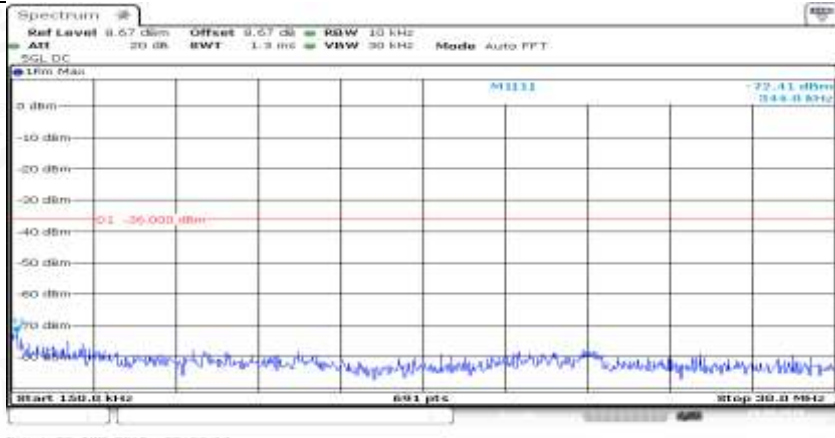
Co-existence	
Co-existence	
Co-existence	

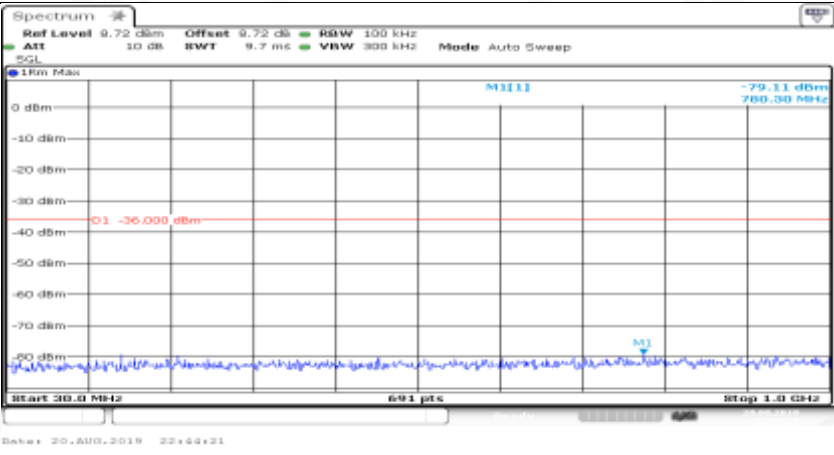
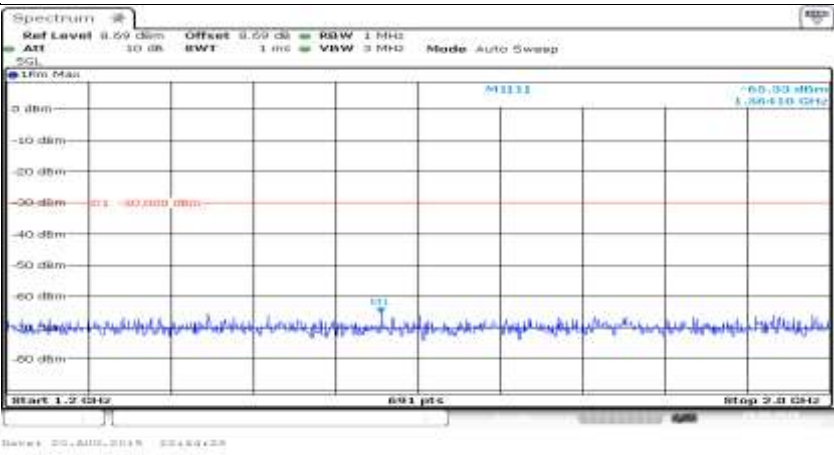
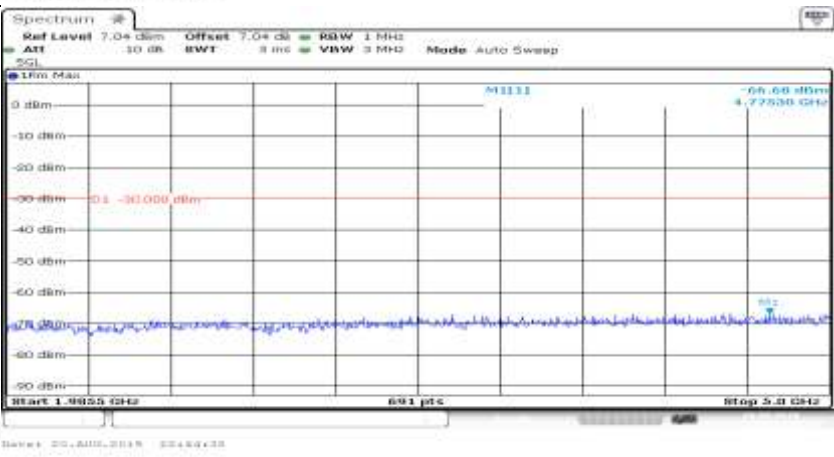




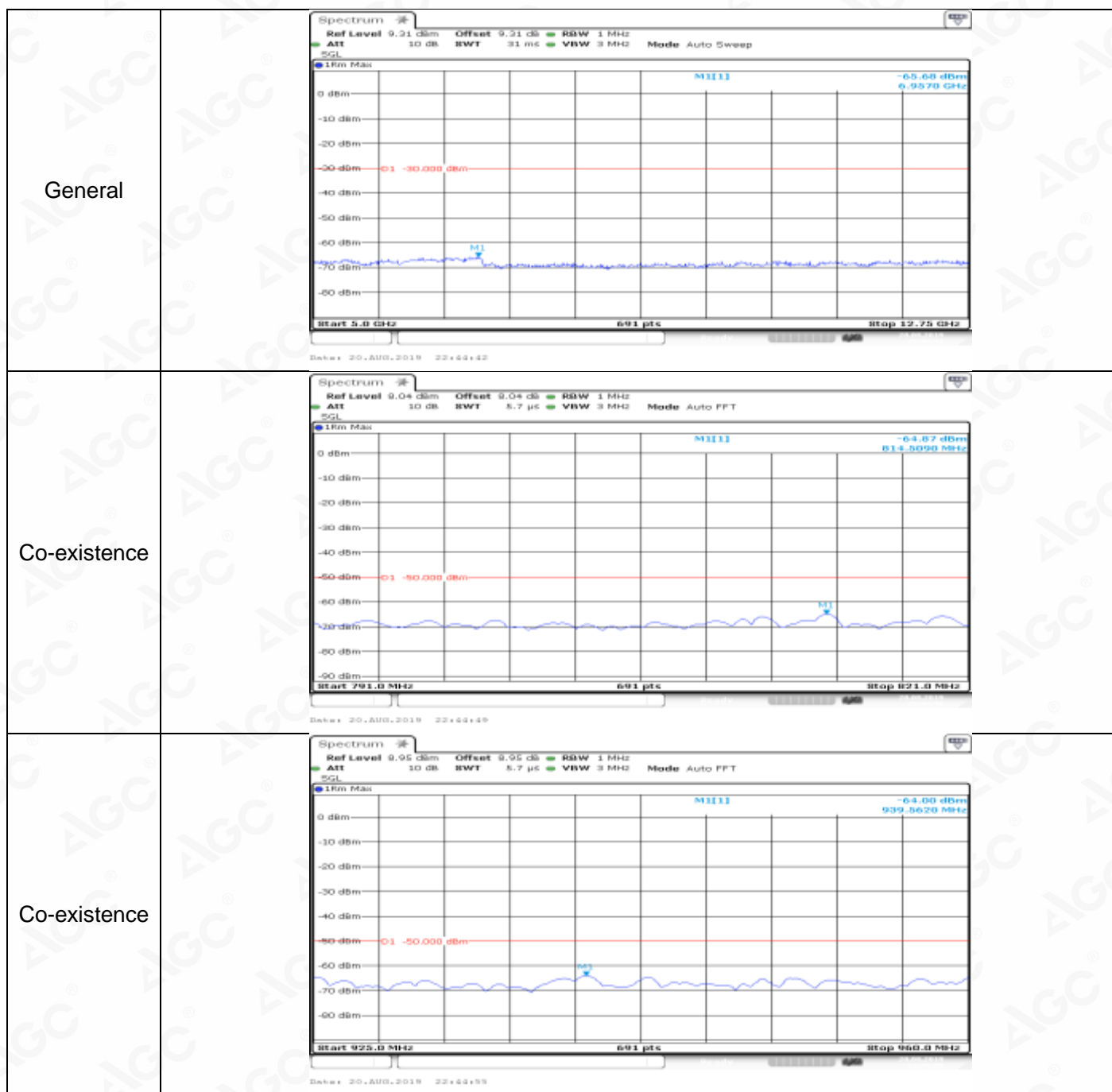
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_FullRB#0


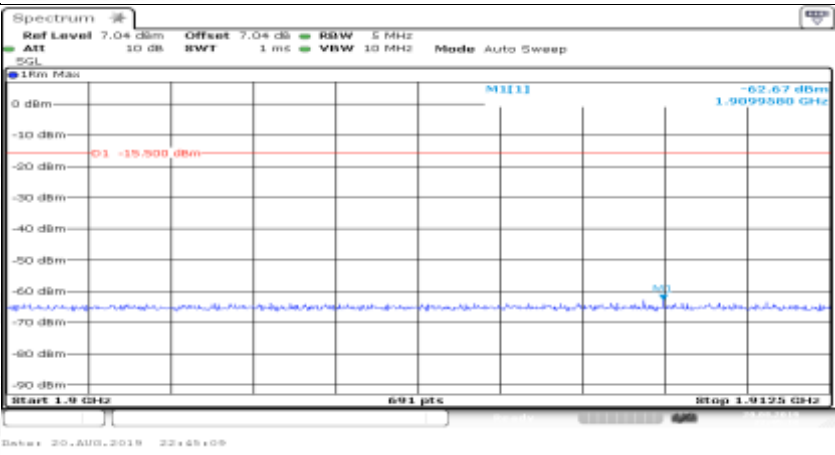
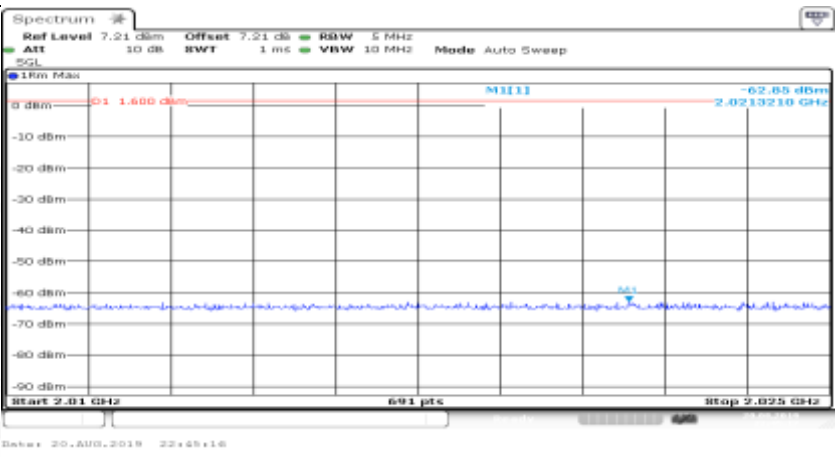
General	
General	



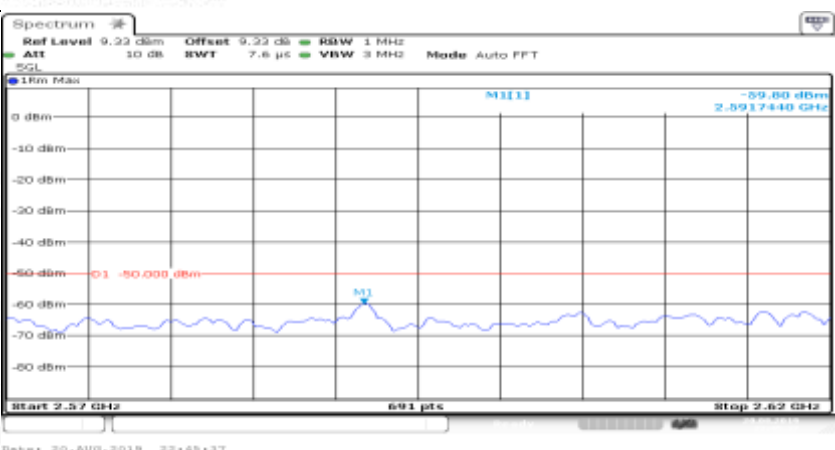
General	
General	
General	


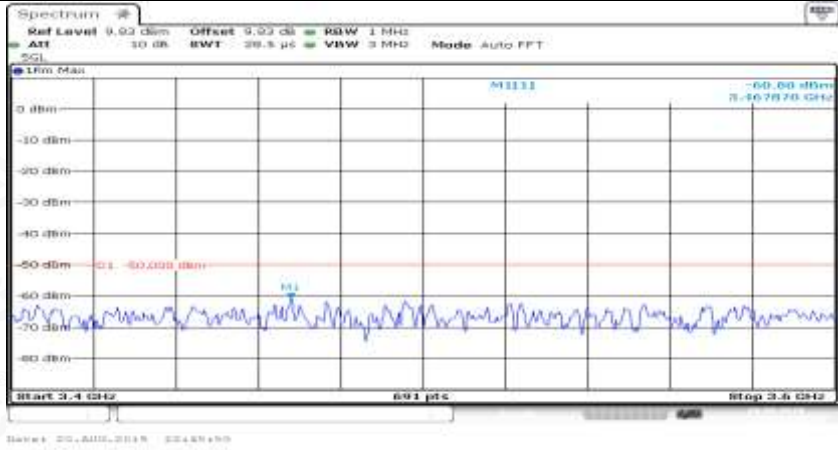
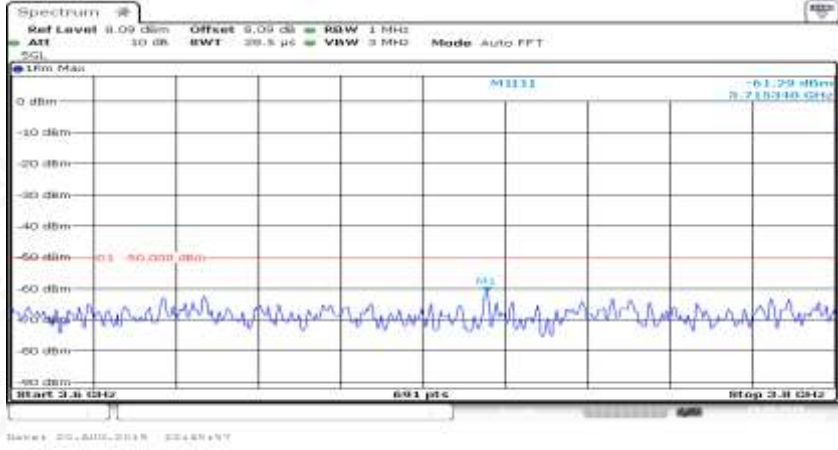






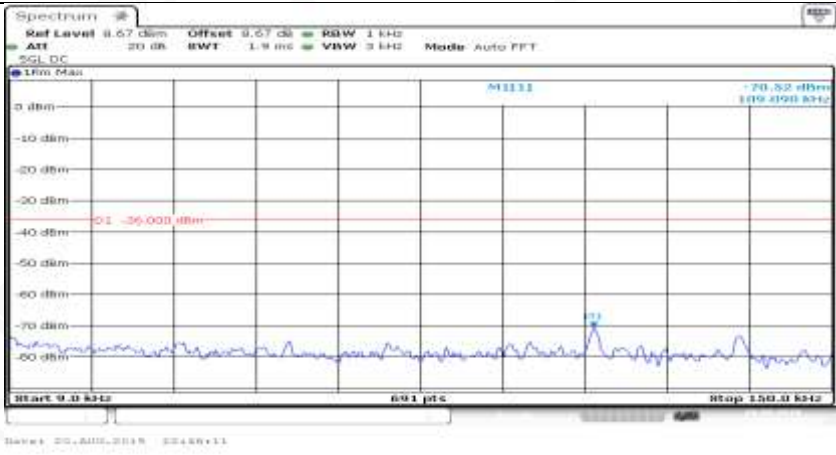
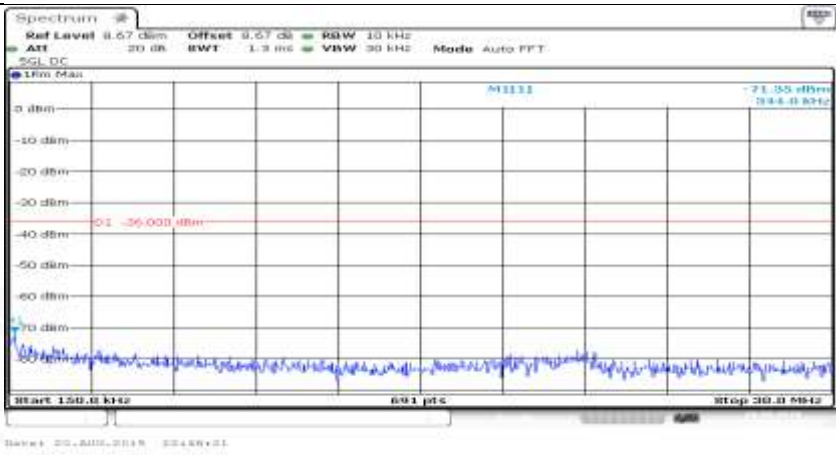
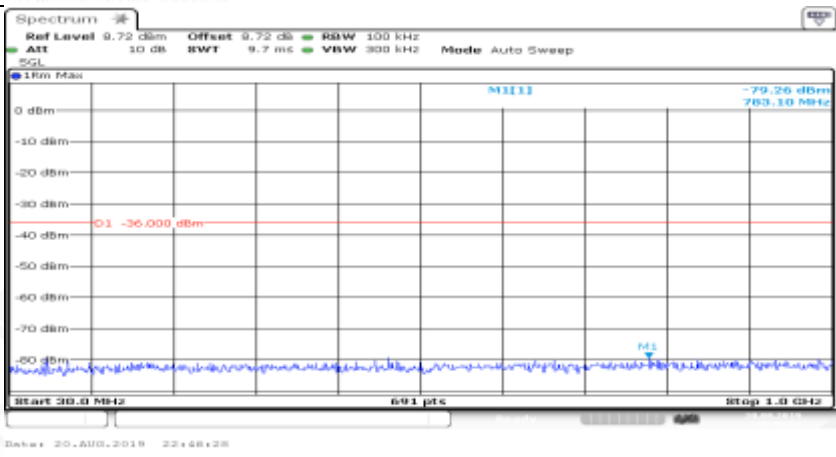
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

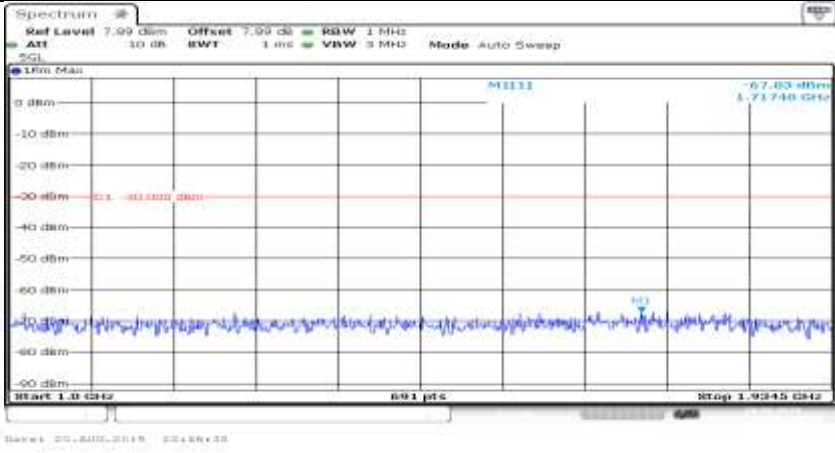
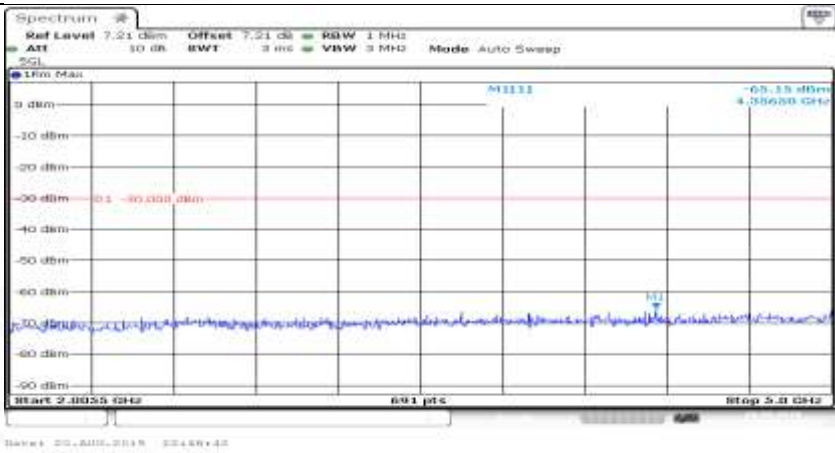
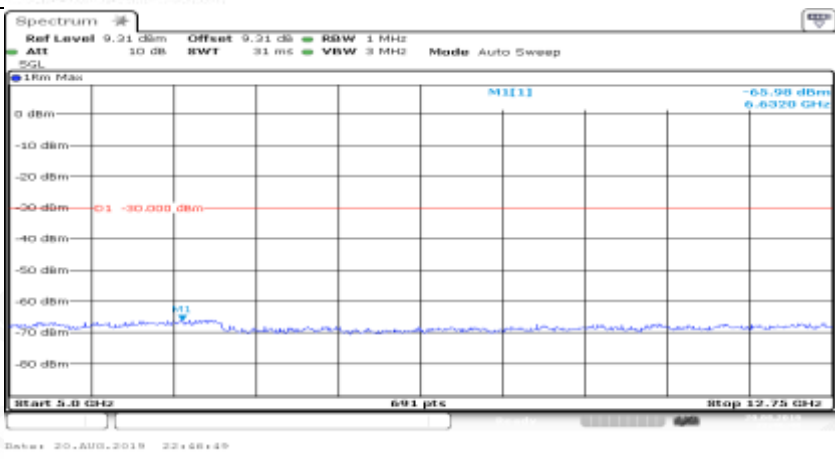
Co-existence	
Co-existence	
Co-existence	
Additional	NA

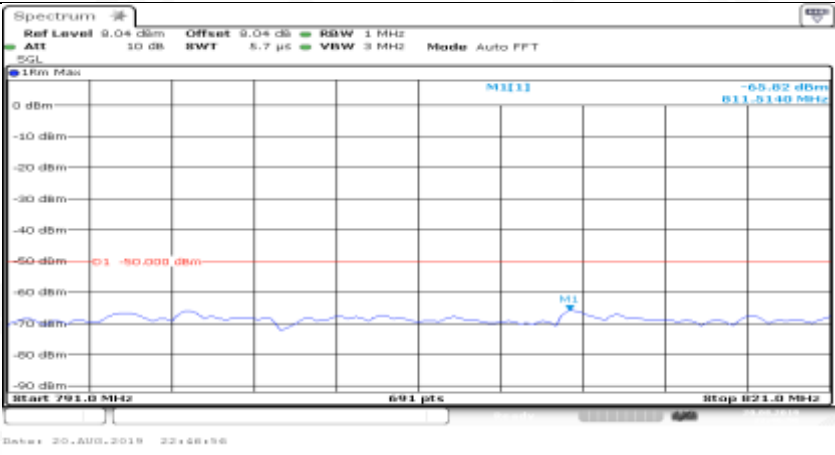
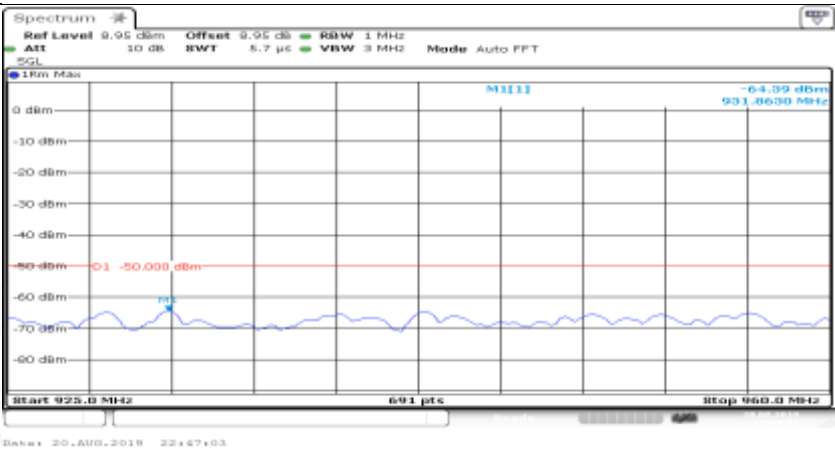
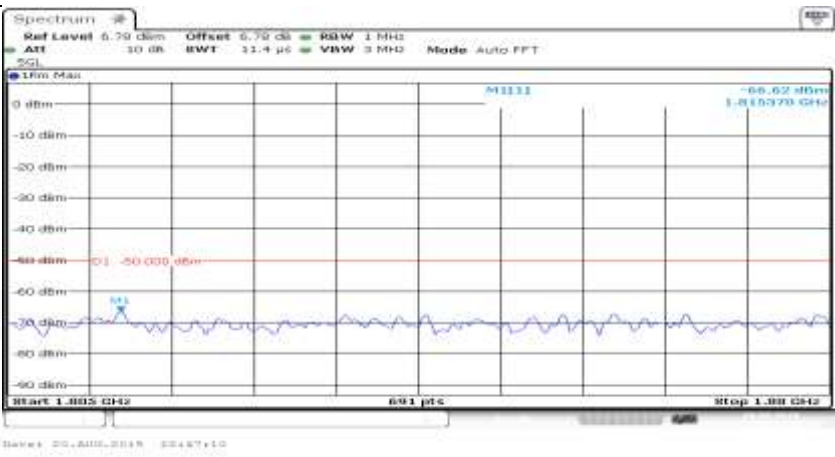
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0



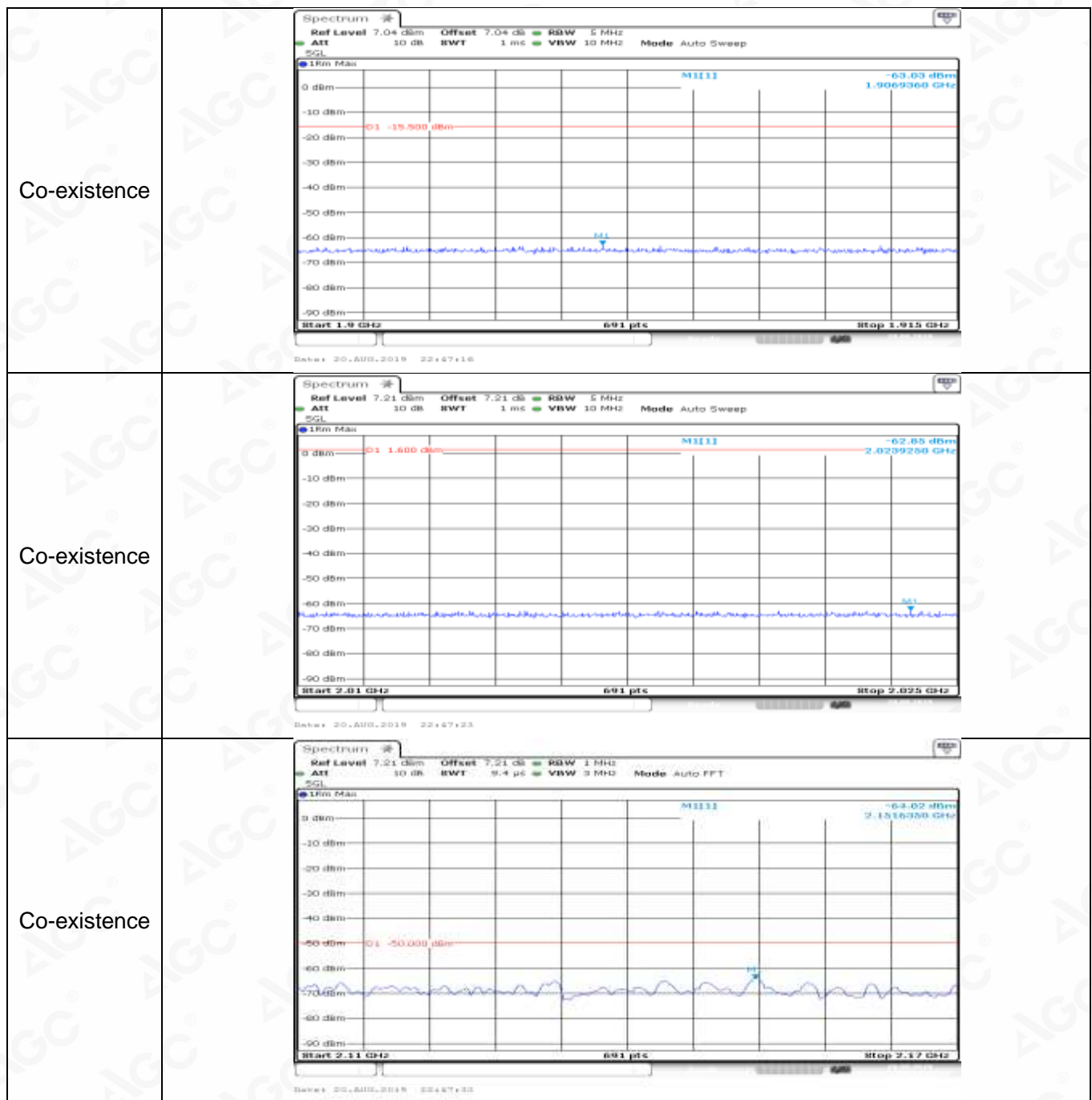
General	
General	
General	

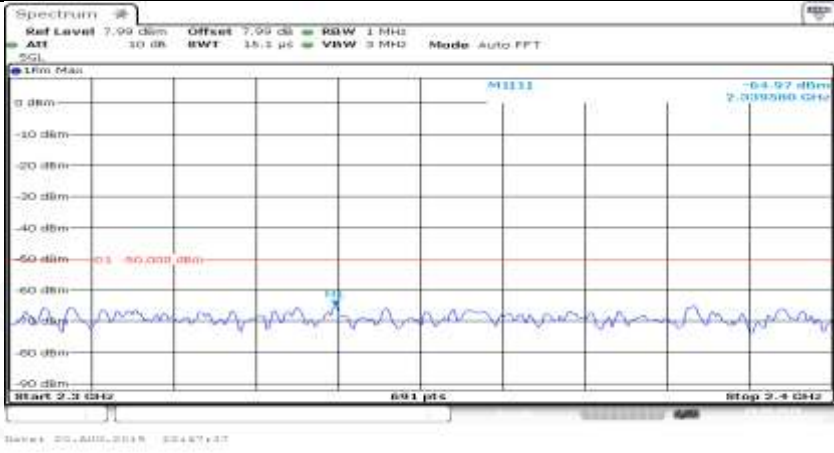
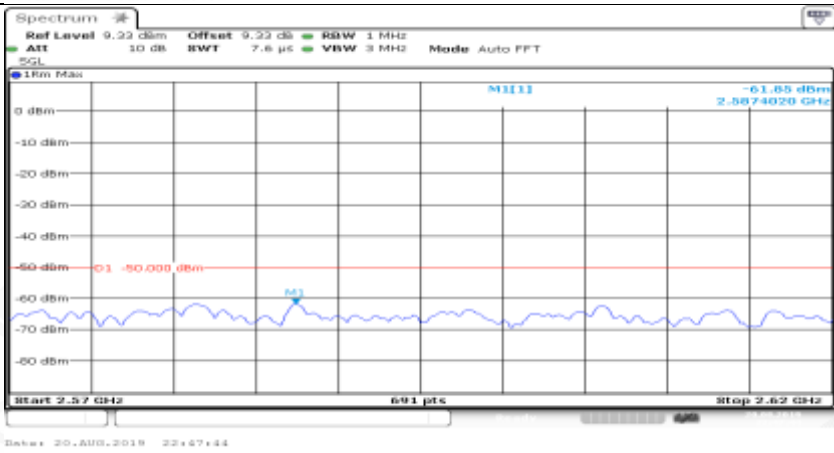
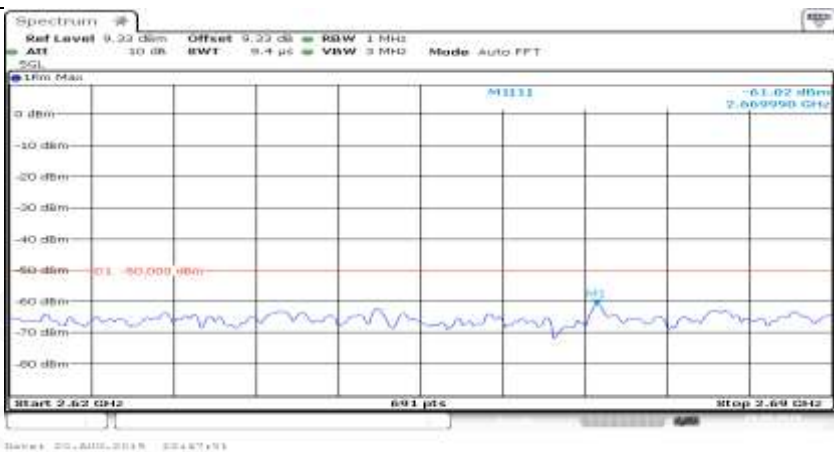


General	
General	
General	

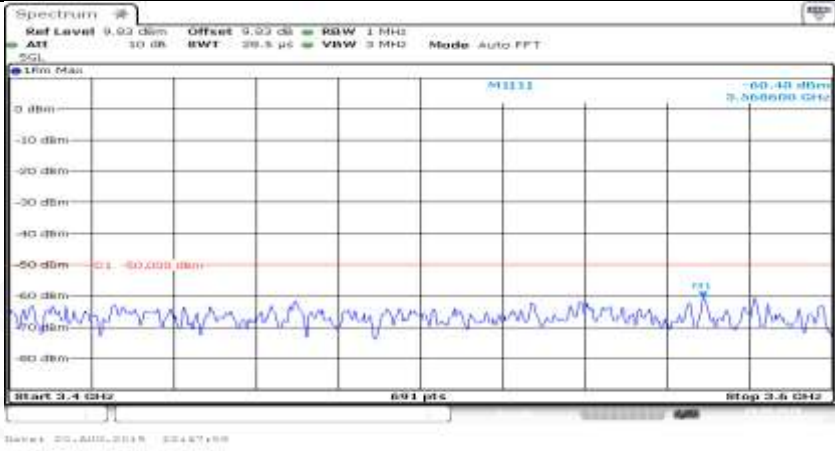
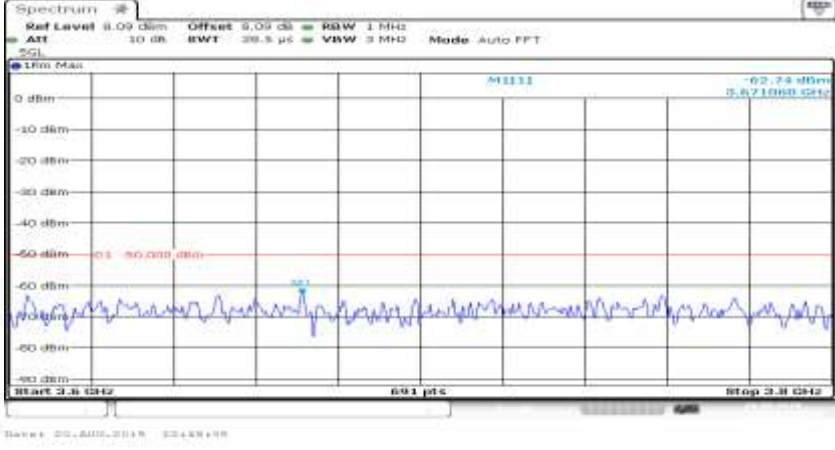
Co-existence	
Co-existence	
Co-existence	

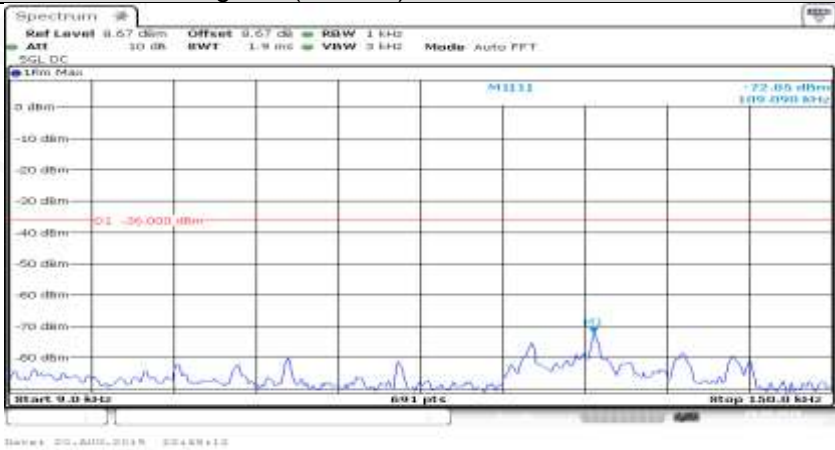




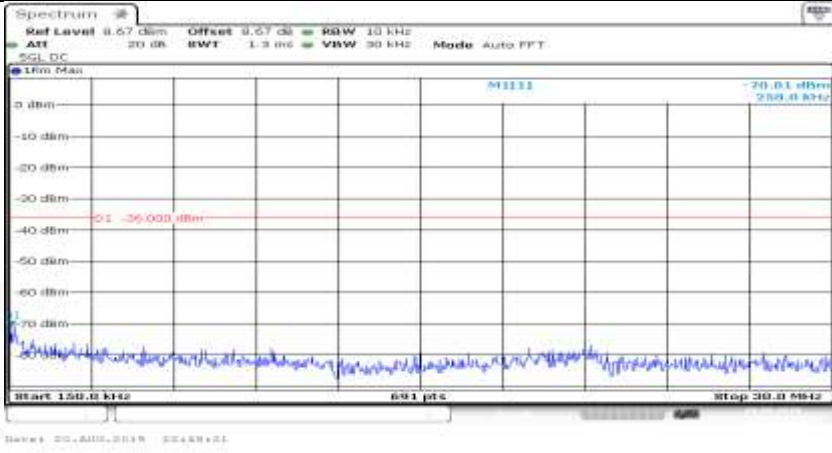
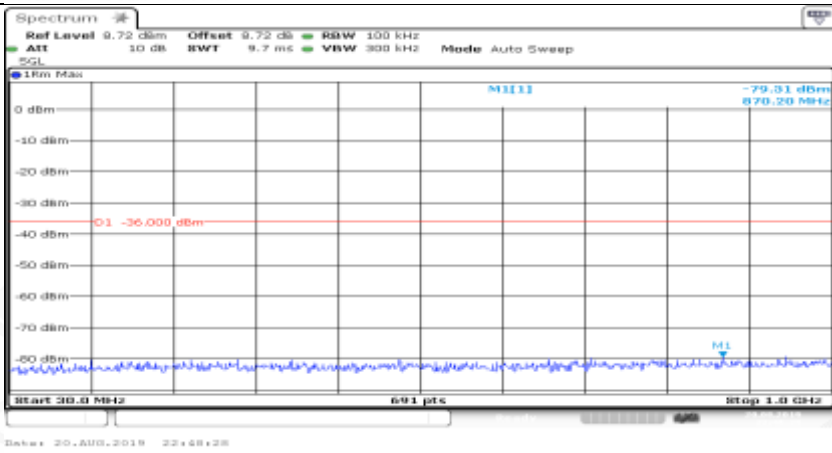
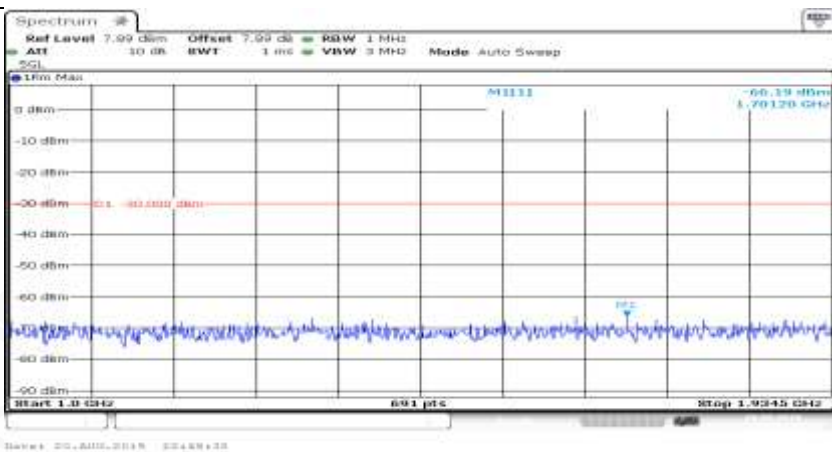
Co-existence	
Co-existence	
Co-existence	

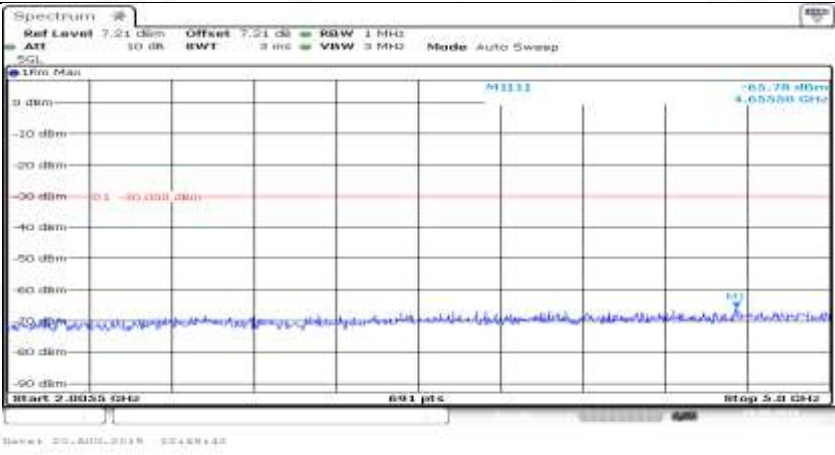
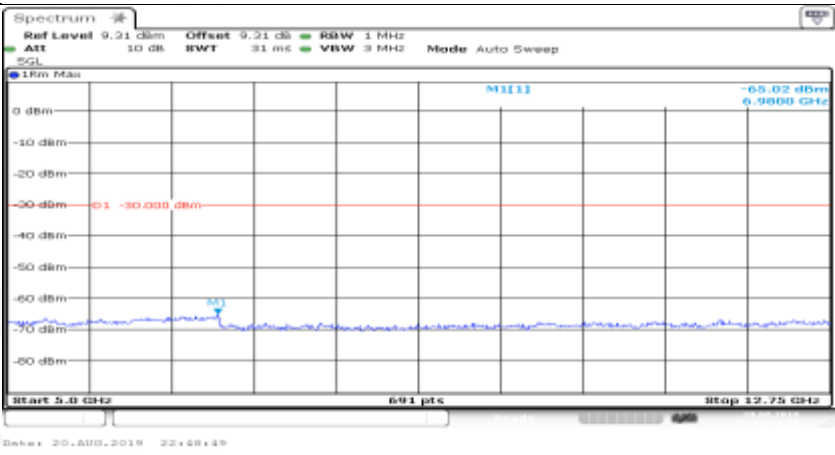
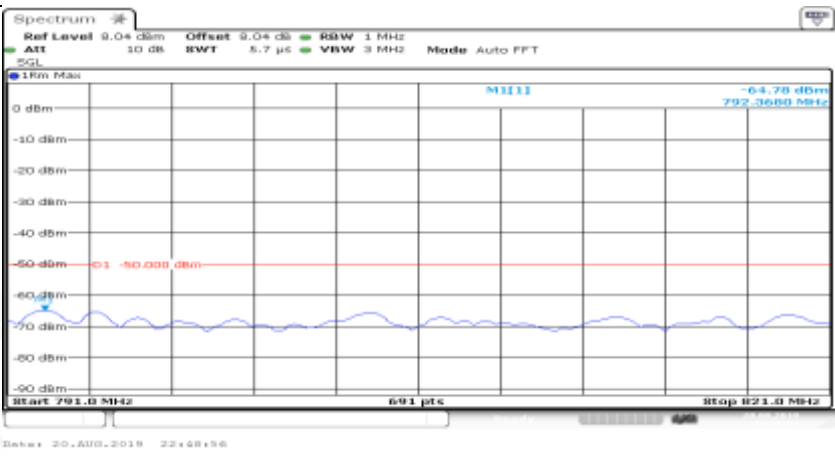


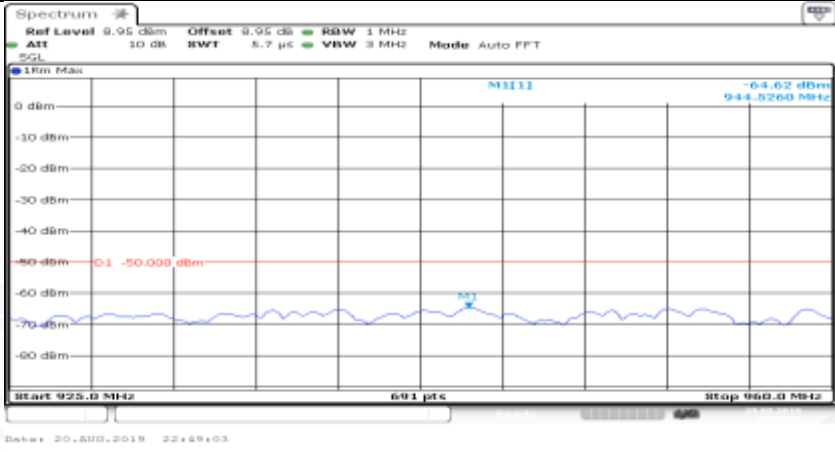

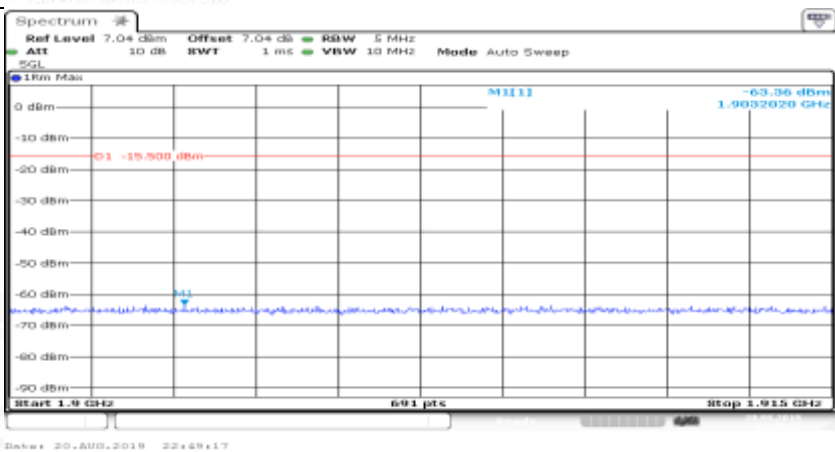
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	

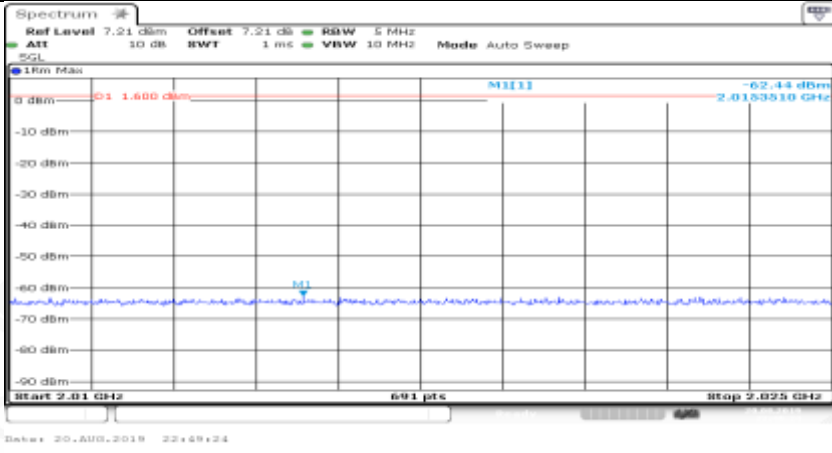




General	
General	
General	

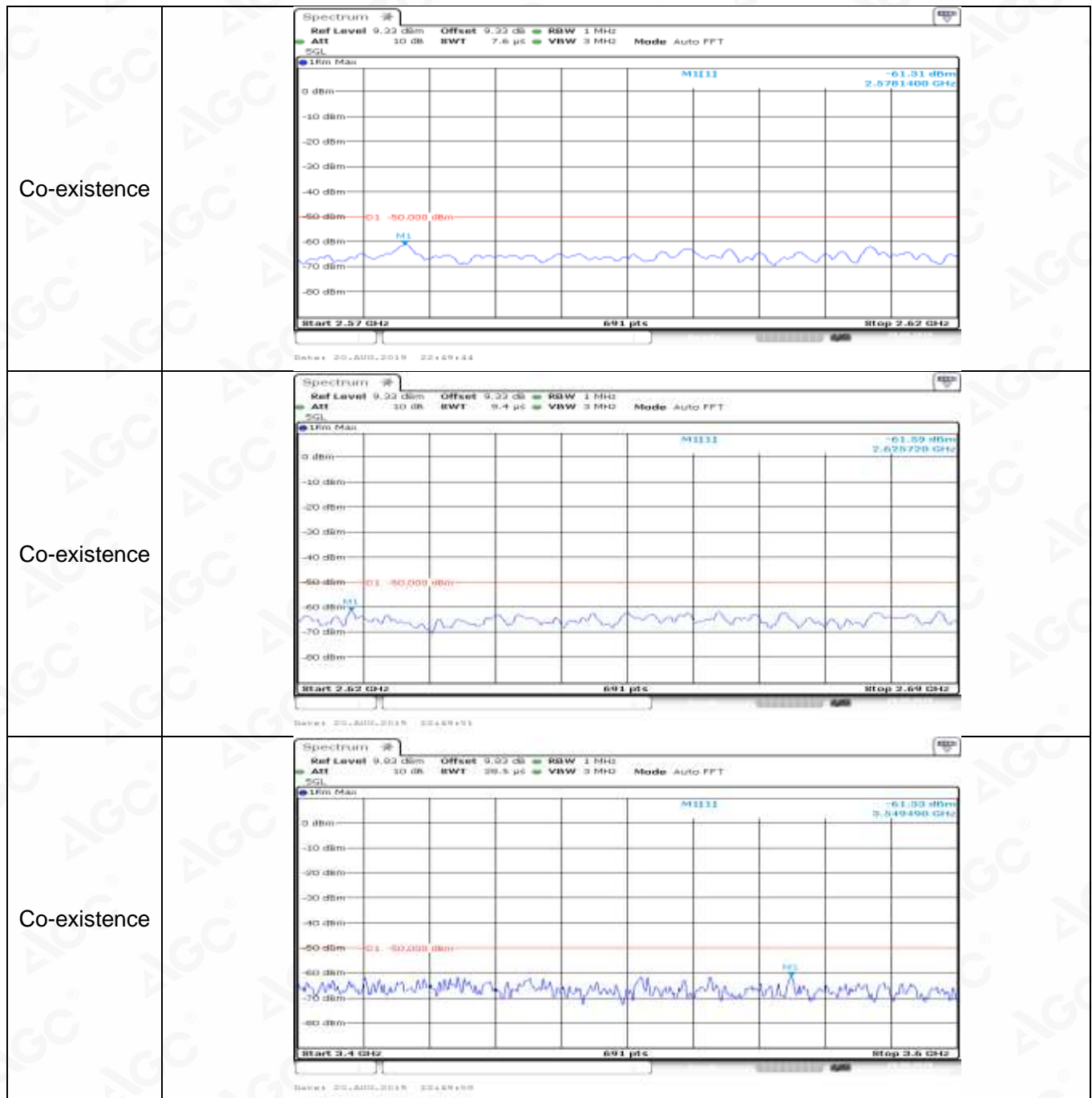
General	
General	
Co-existence	

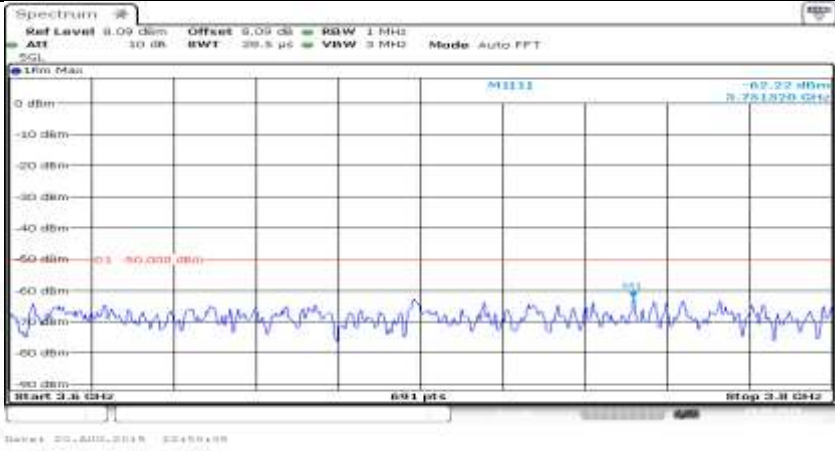
Co-existence	
Co-existence	
Co-existence	

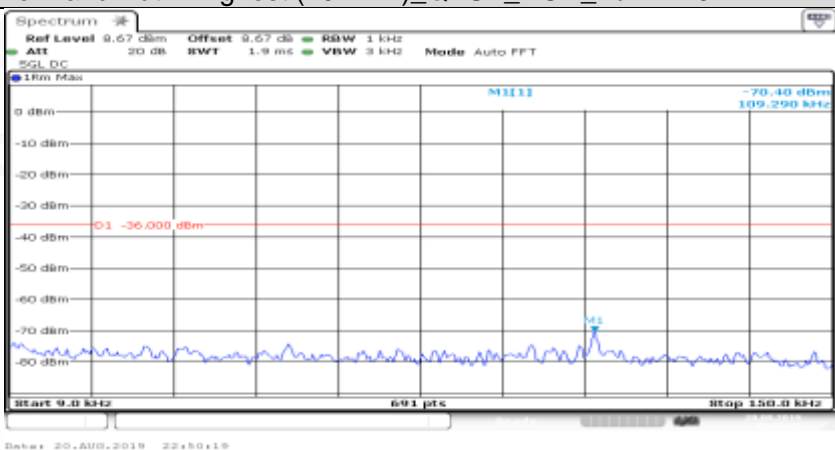
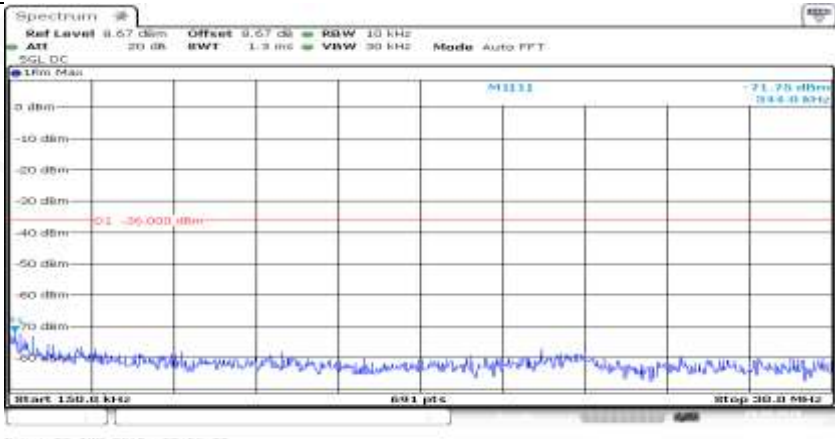


Co-existence	
Co-existence	
Co-existence	

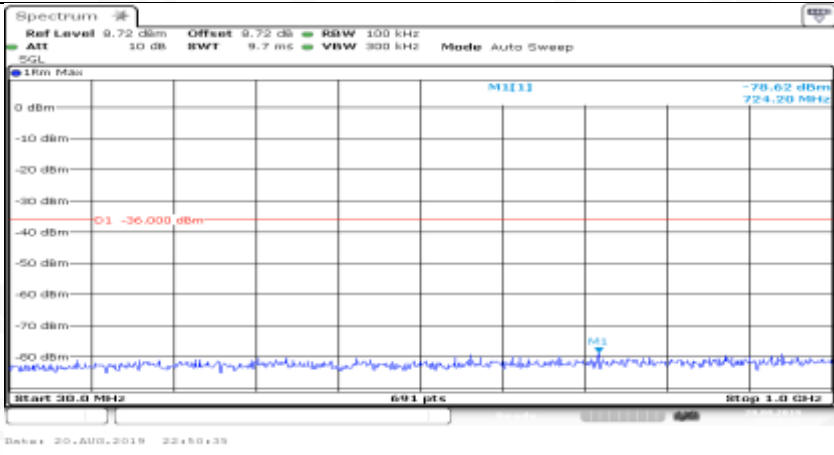
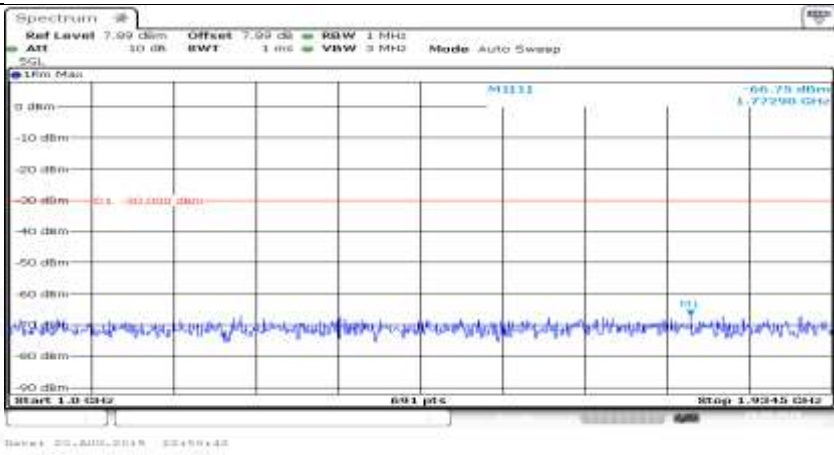
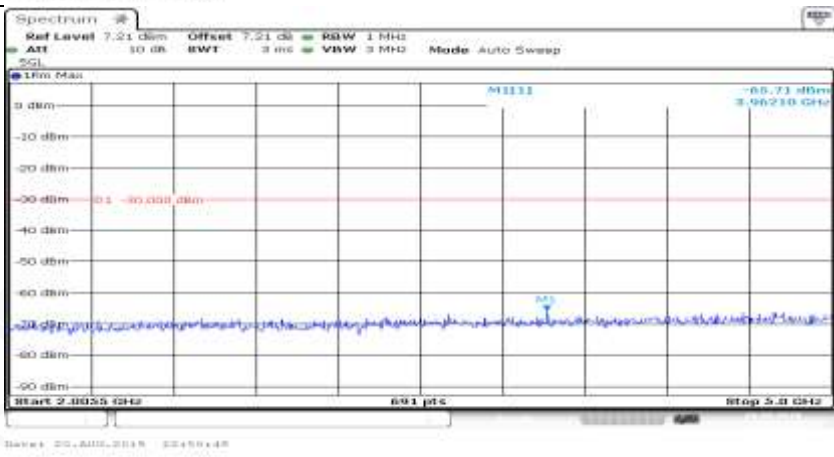




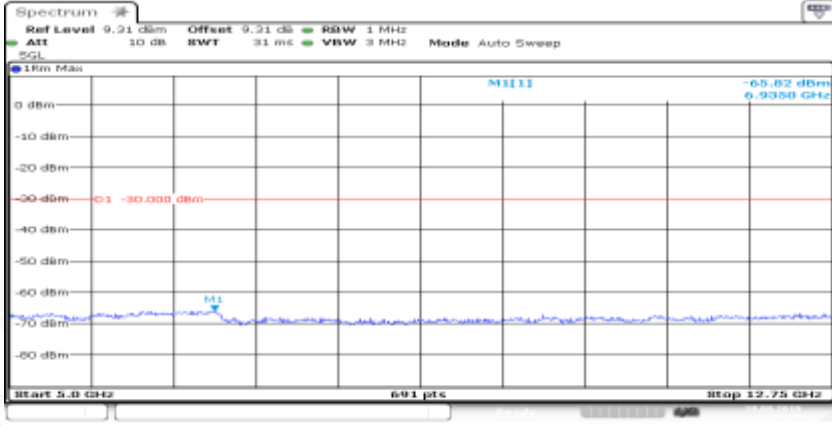

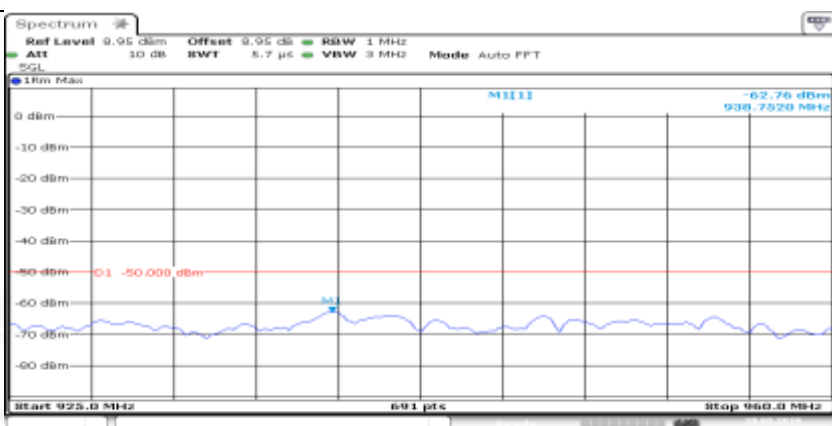
Co-existence	
Additional	NA

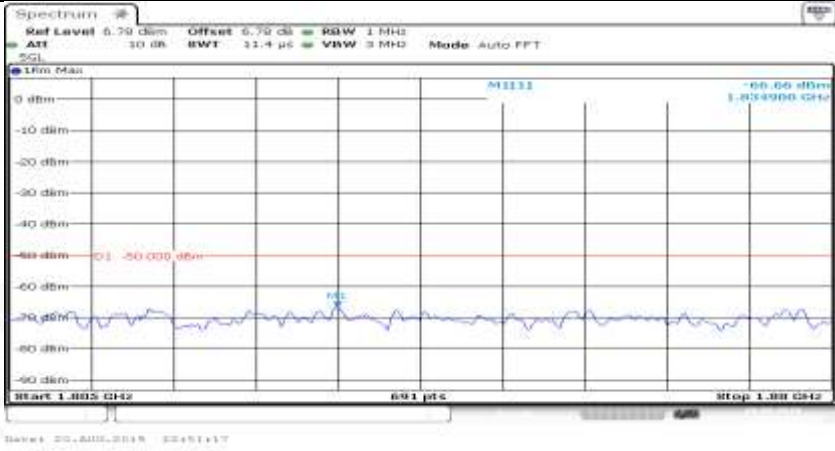
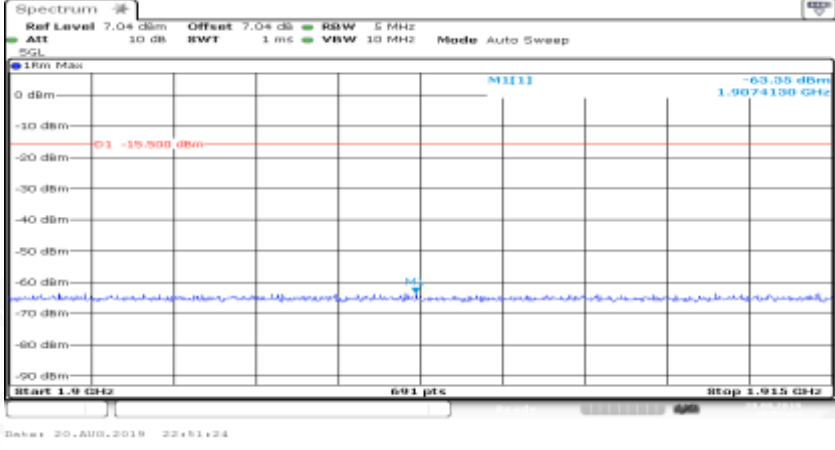
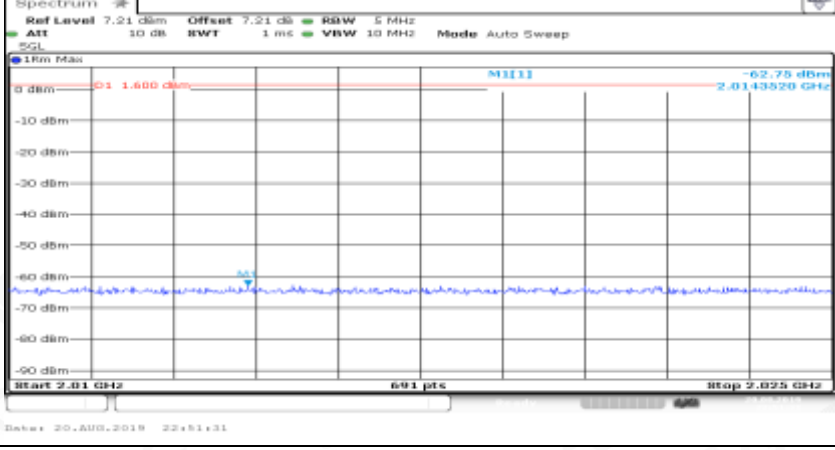
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0	
General	
General	





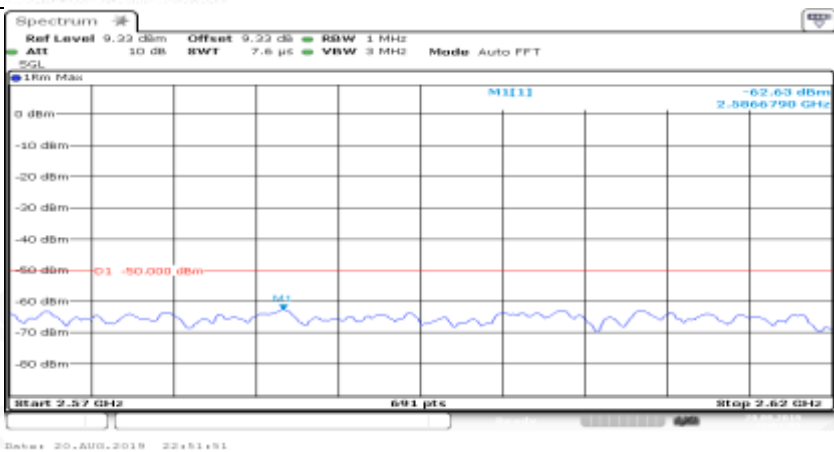
General	
General	
General	




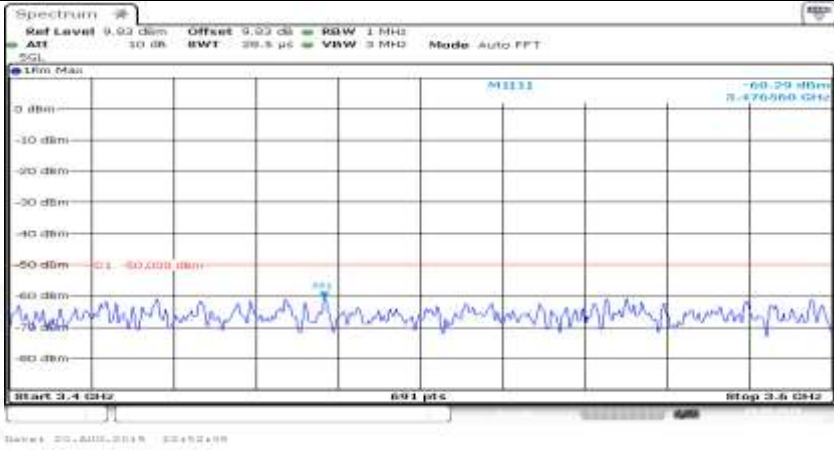
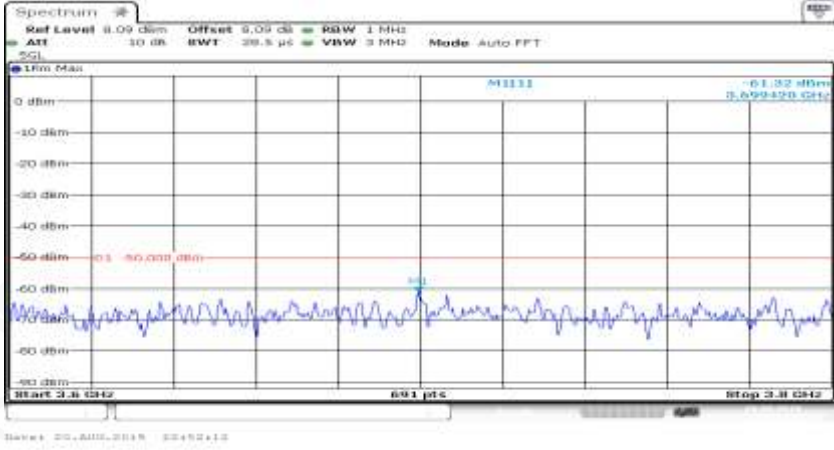
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz Mode Auto Sweep</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 12.75 GHz</p> <p>Date: 20.AUG.2019 22:50:56</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz</p> <p>691 pts</p> <p>Stop 821.0 MHz</p> <p>Date: 20.AUG.2019 22:51:03</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz</p> <p>691 pts</p> <p>Stop 960.0 MHz</p> <p>Date: 20.AUG.2019 22:51:10</p>

Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA



## 6. Receiver Spurious Emissions

### Test Result

NTNV

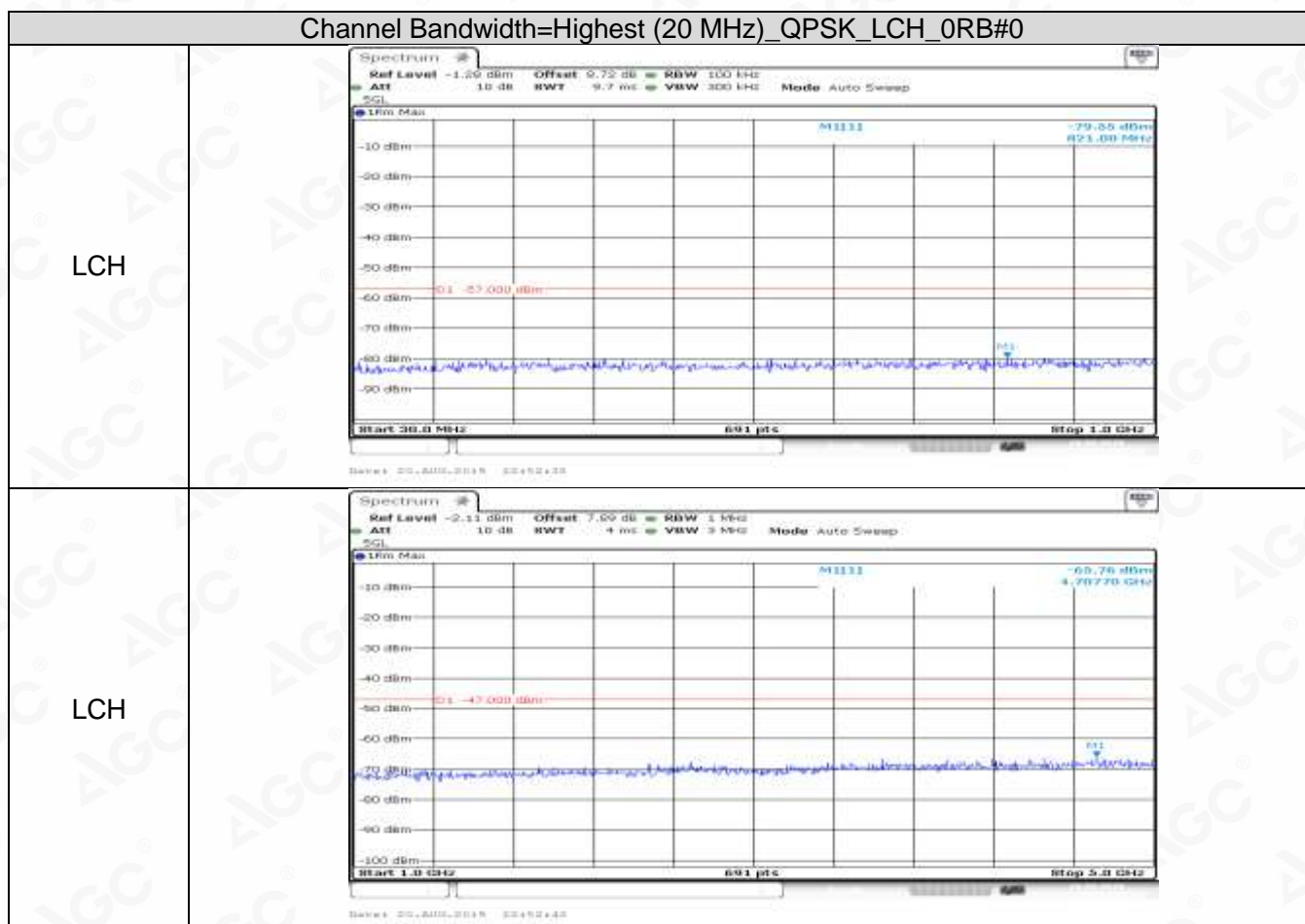
Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest



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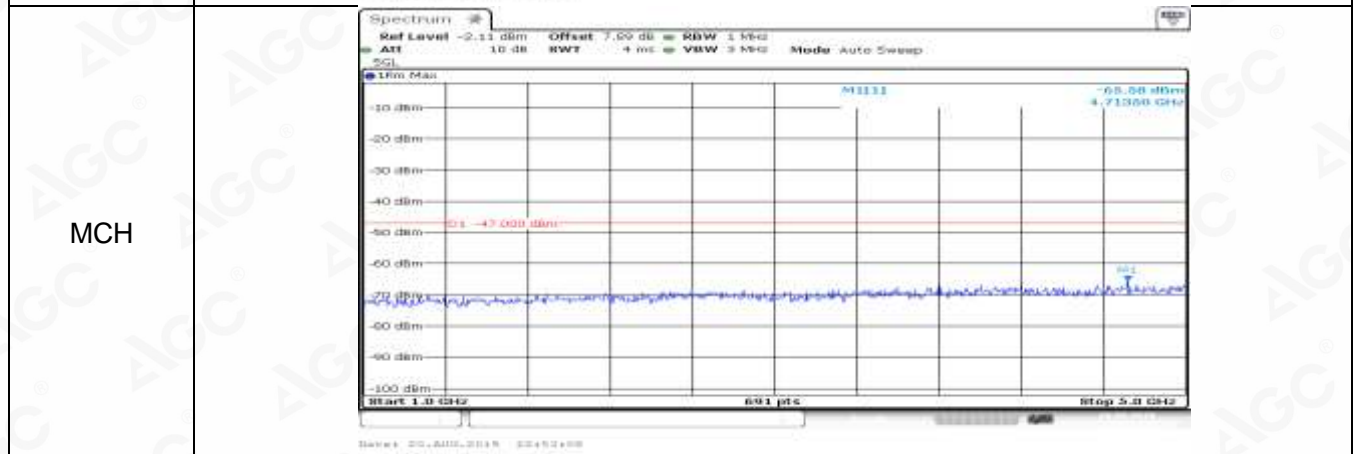
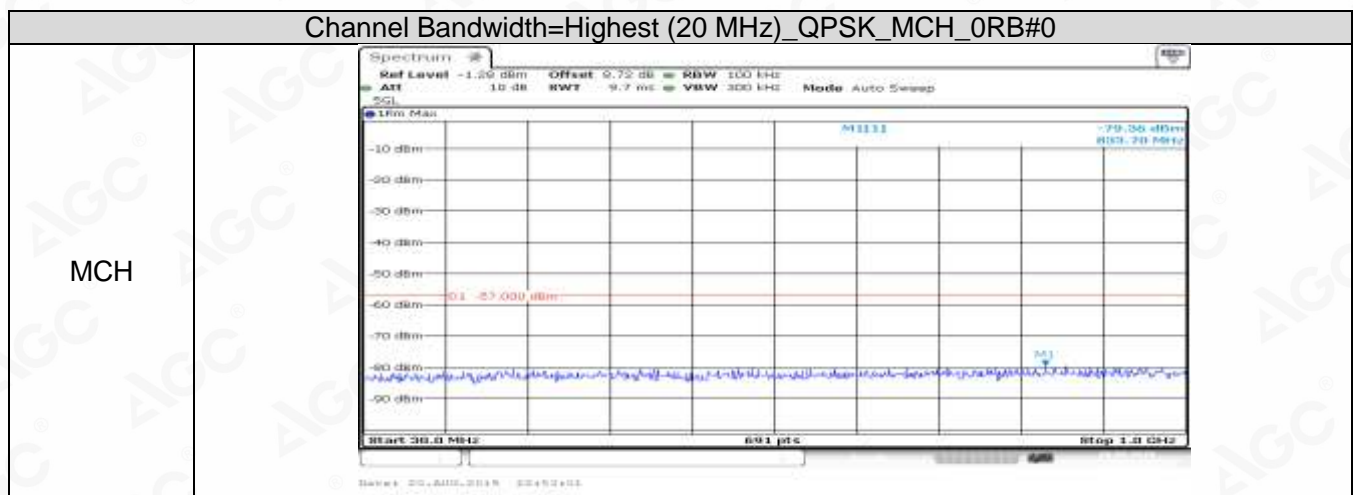
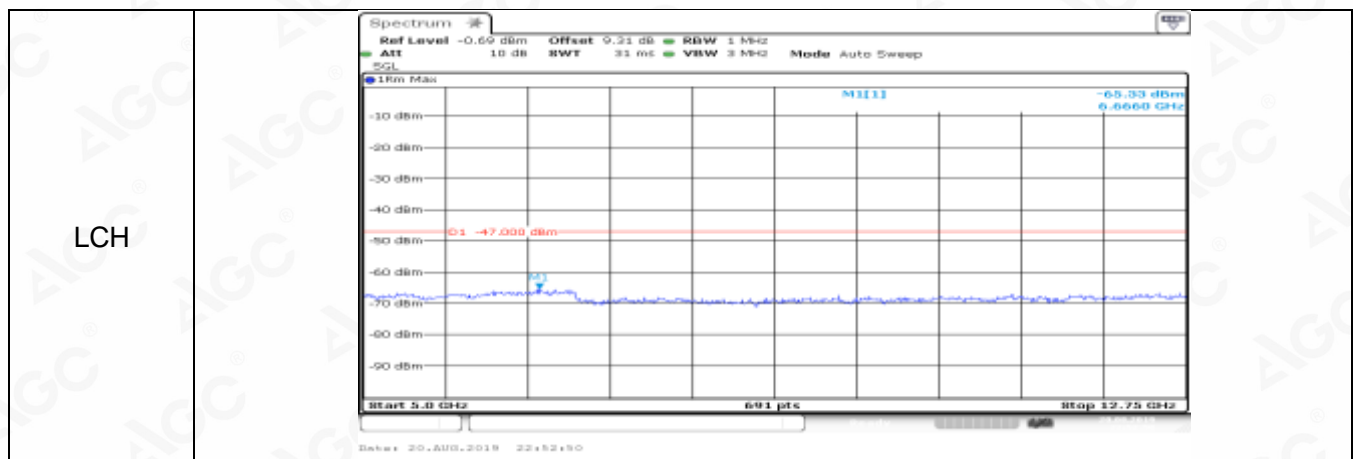
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

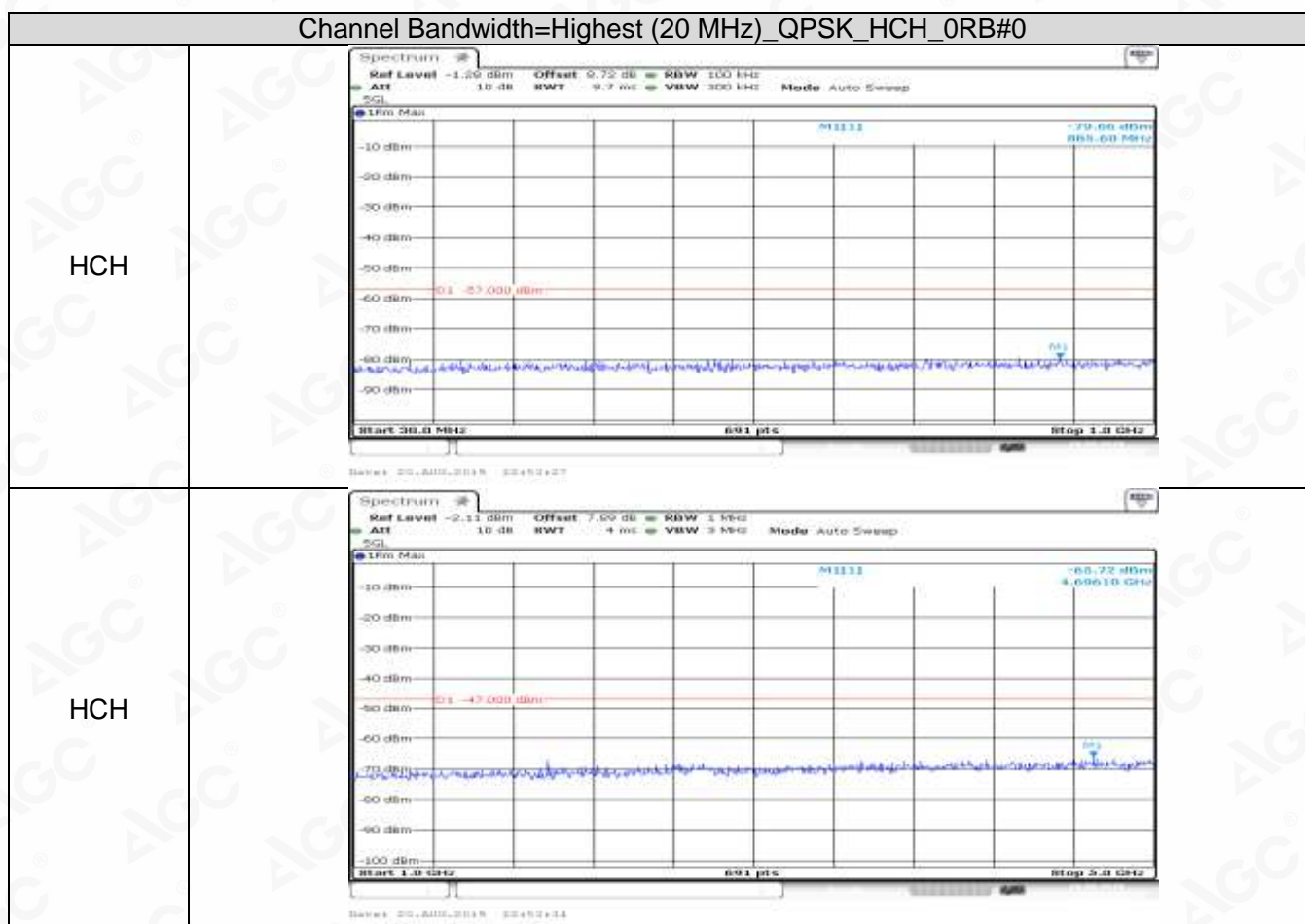
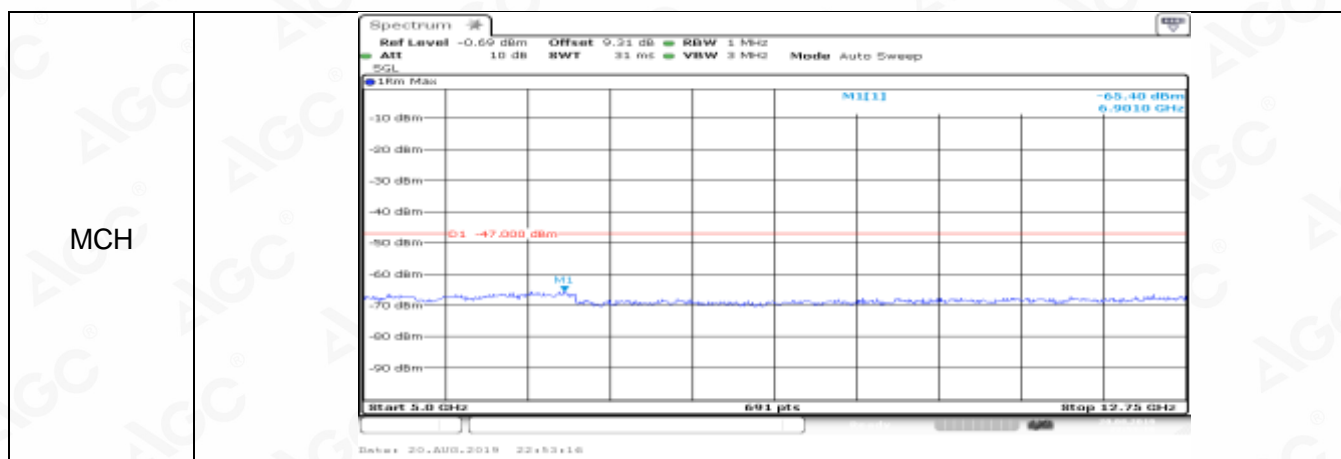
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118







The screenshot shows a Spectrum Analyzer interface. At the top, the title is "Spectrum". Below it, the "Ref Level" is set to -0.60 dBm, "Att" is 10 dB, "Offset" is 0.21 dB, "RBW" is 1 MHz, "SMT" is 31 ms, "VBW" is 3 MHz, and "Mode" is Auto Sweep. The main display area shows a spectrum plot with a horizontal red line at -47.000 dBm and a blue trace showing a signal at -65.60 dBm. The x-axis is labeled "Start 5.0 GHz" and "Stop 12.75 GHz". The y-axis is labeled "dBm" and ranges from -10 to -90. The plot shows a noisy baseline with a distinct signal peak at -65.60 dBm.



## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict			PASS		

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %

<b>Verdict</b>	<b>PASS</b>
----------------	-------------

## Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				





## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 1			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	25	PASS	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	PASS	≥ 95 %
20MHz	QPSK	Full	QPSK	100	PASS	≥ 95 %
Verdict	PASS					



## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

NTNV

	Test Band			Band 1			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVN	5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
	Verdict	Pass					





## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-72.85	-72.77	-72.65
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-76.36	-76.41	-76.44
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-70.53	-70.27	-70.37



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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

## Appendix B for Band 3

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 3 TNVN) of fellow

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.84	Pass
					max	23.84	Pass
				Partial	0	23.87	Pass
					max	23.86	Pass
			Mid range	1	0	23.95	Pass
					max	23.96	Pass
				Partial	0	23.90	Pass
					max	23.93	Pass
			High range	1	0	23.89	Pass
					max	23.96	Pass
				Partial	0	24.10	Pass
					max	23.91	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.91	Pass
					max	23.88	Pass
				Partial	0	23.85	Pass
					max	23.90	Pass
			Mid range	1	0	23.88	Pass
					max	23.93	Pass
				Partial	0	23.95	Pass
					max	23.94	Pass
			High range	1	0	23.94	Pass
					max	23.91	Pass
				Partial	0	23.90	Pass
					max	23.90	Pass



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					max	23.86	Pass
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**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.66	Pass
					max	23.72	Pass
				Partial	0	23.76	Pass
					max	23.76	Pass
			Mid range	1	0	23.61	Pass
					max	23.77	Pass
				Partial	0	23.74	Pass
					max	23.86	Pass
			High range	1	0	23.69	Pass
					max	23.64	Pass
				Partial	0	23.90	Pass
					max	23.85	Pass





## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 3 TNVN) of fellow

### Test Result

NTNV

#### Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-47.88	Pass
			Mid range	Full	0	-50.82	Pass
			High range	Full	0	-50.52	Pass

#### Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-50.16	Pass
			Mid range	Full	0	-50.40	Pass
			High range	Full	0	-50.29	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Full	0	-49.95	Pass
			Mid range	Full	0	-50.08	Pass
			High range	Full	0	-50.01	Pass



### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



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	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (#BWH MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass

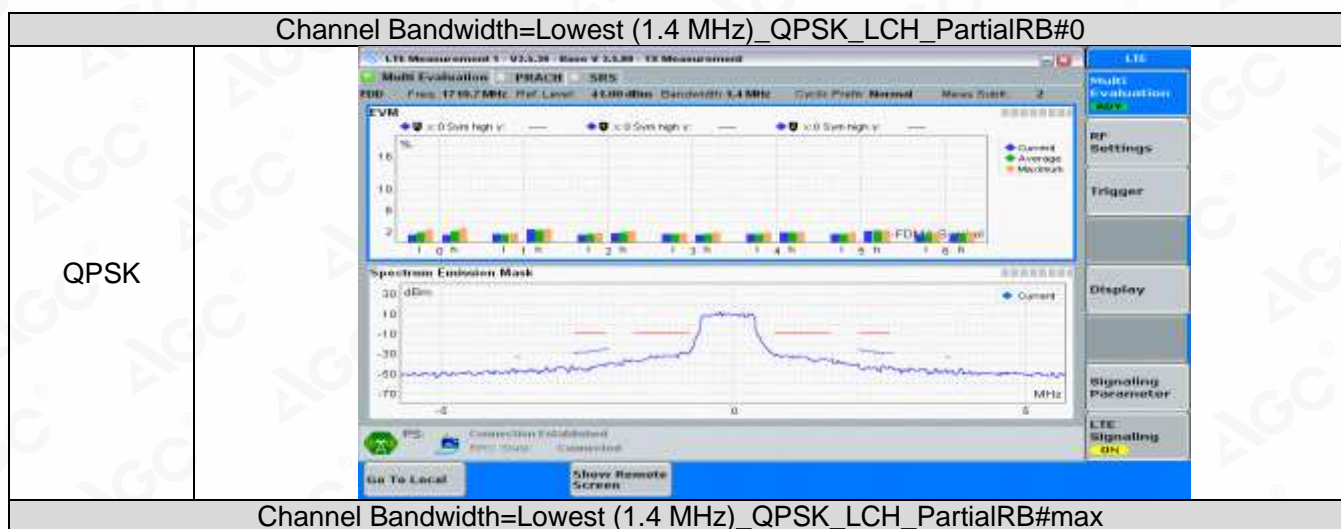


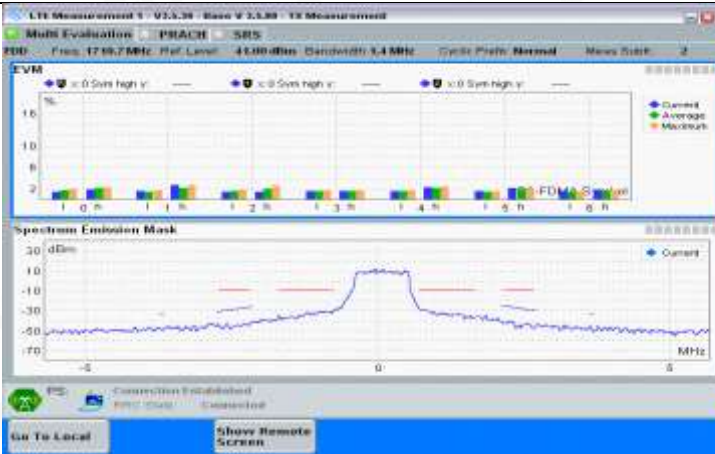
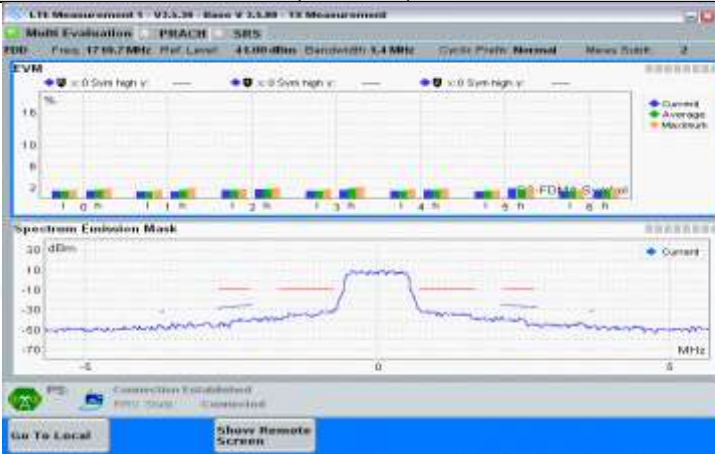
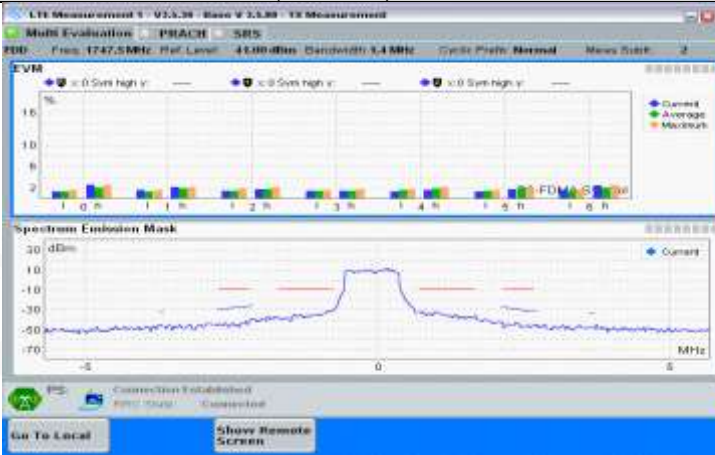
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
	Full				0	PUMAX	Pass	
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	

## Test Graphs

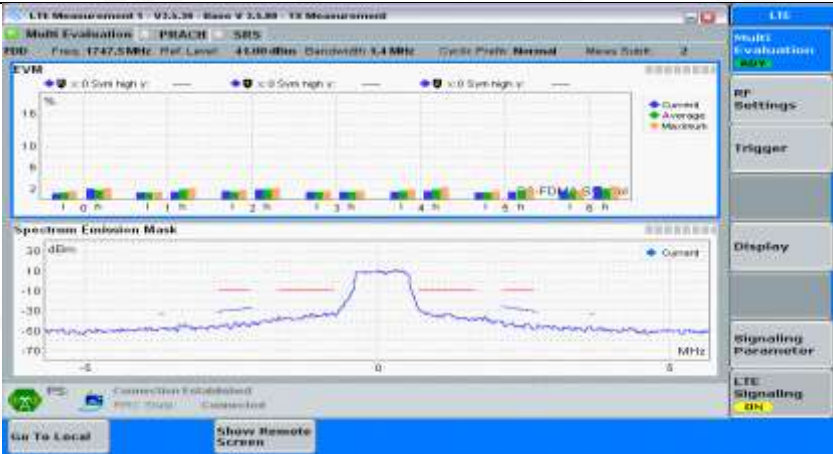
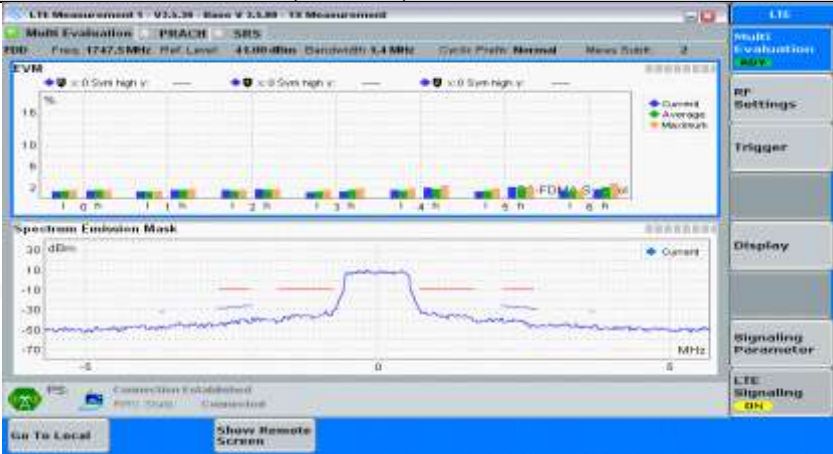
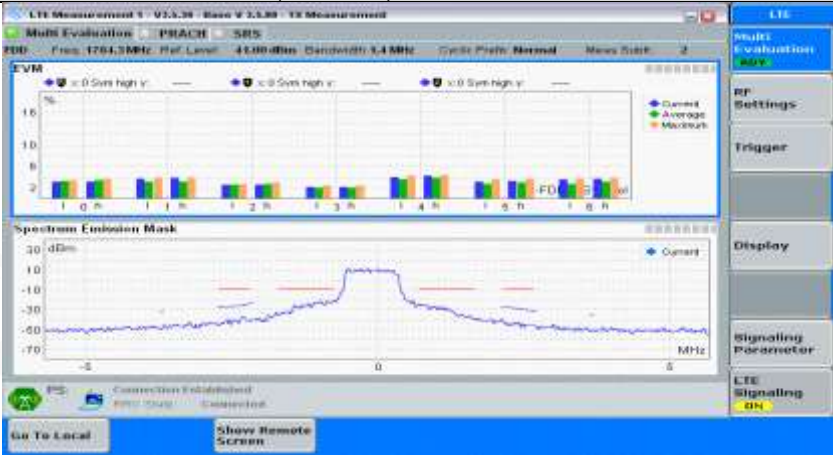
NTNV

Channel Bandwidth=Lowest (1.4 MHz)

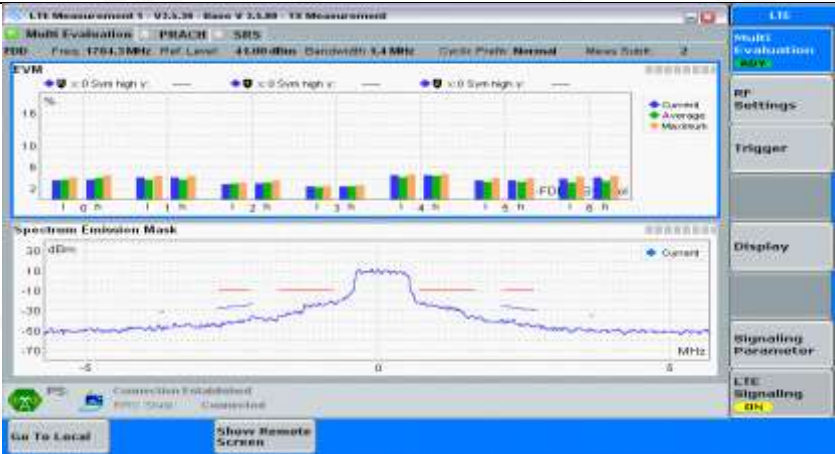
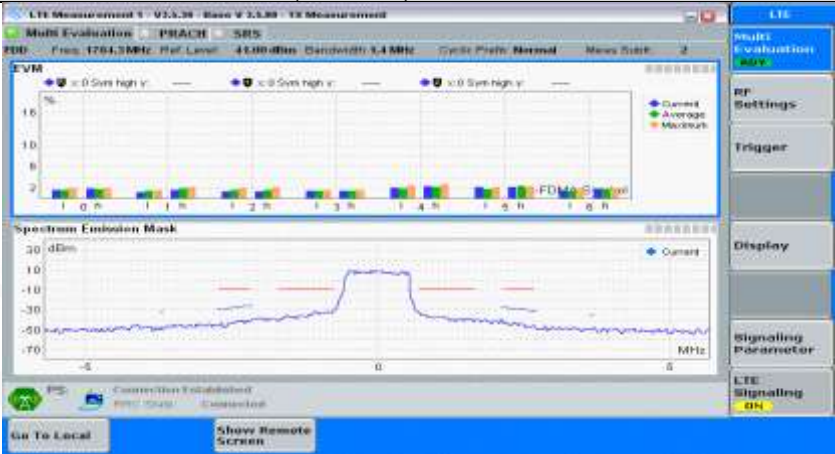
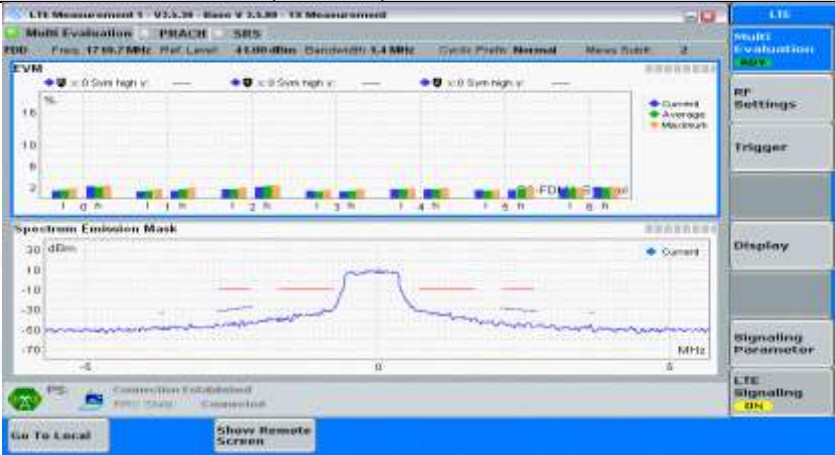


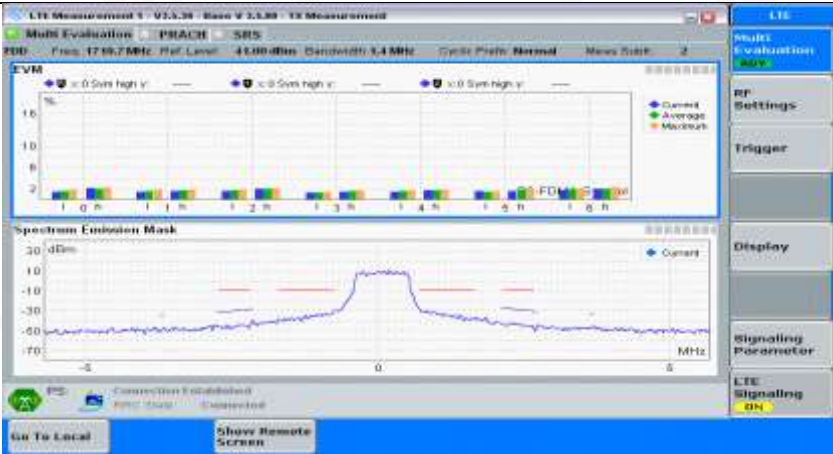
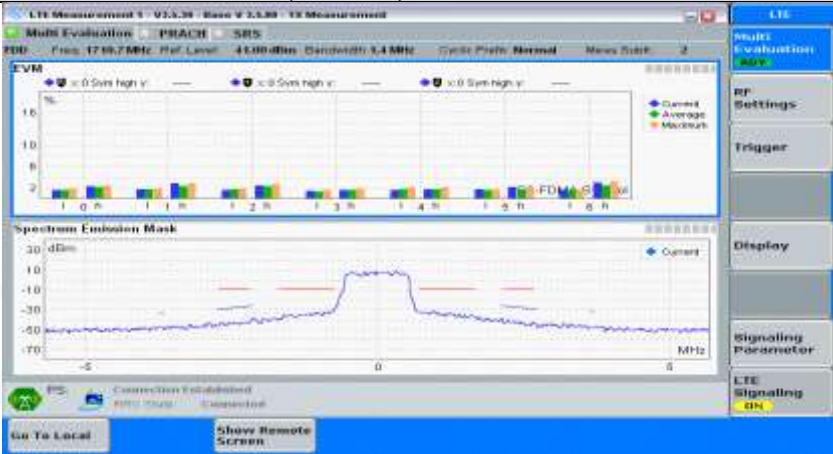
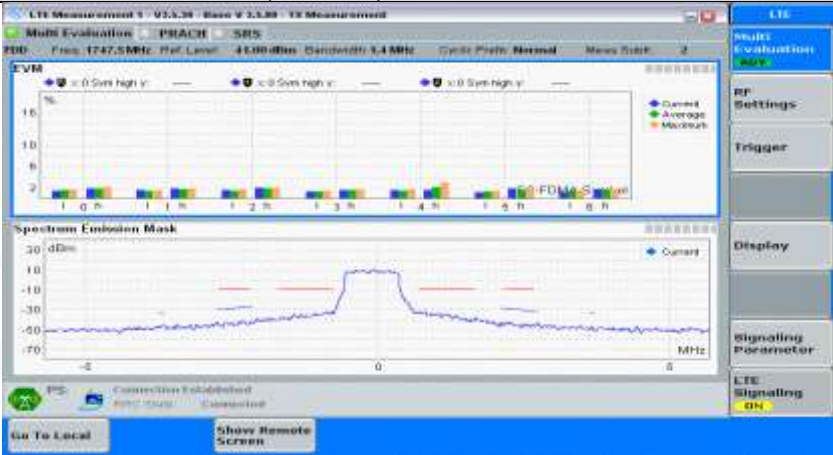
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Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max		



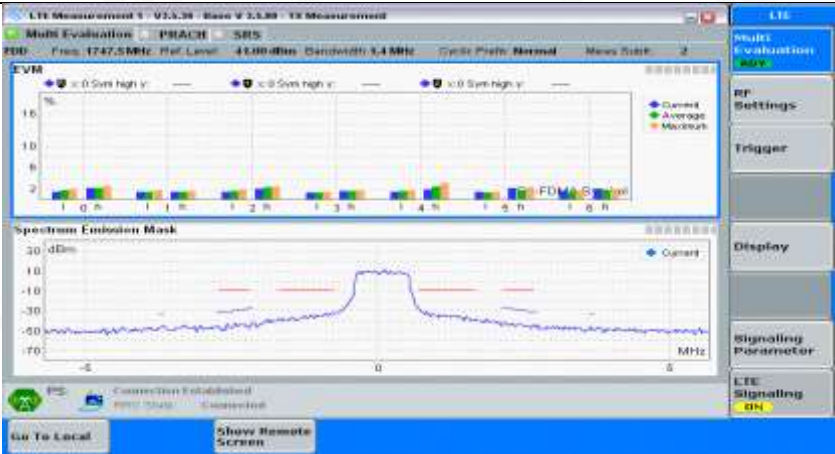
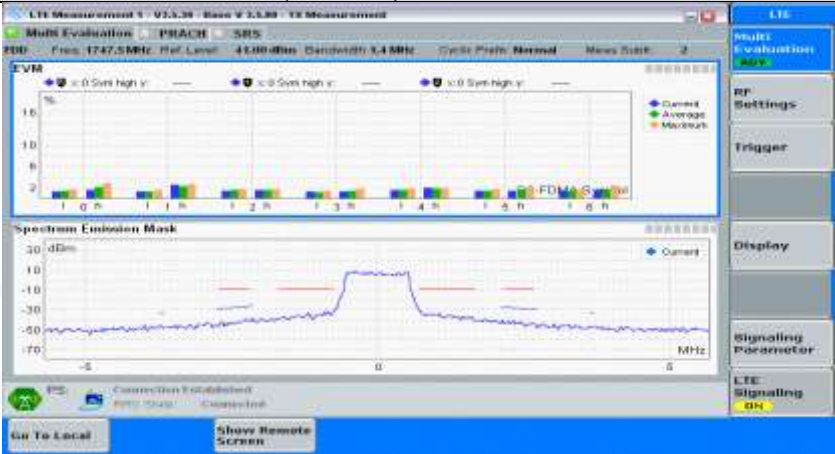
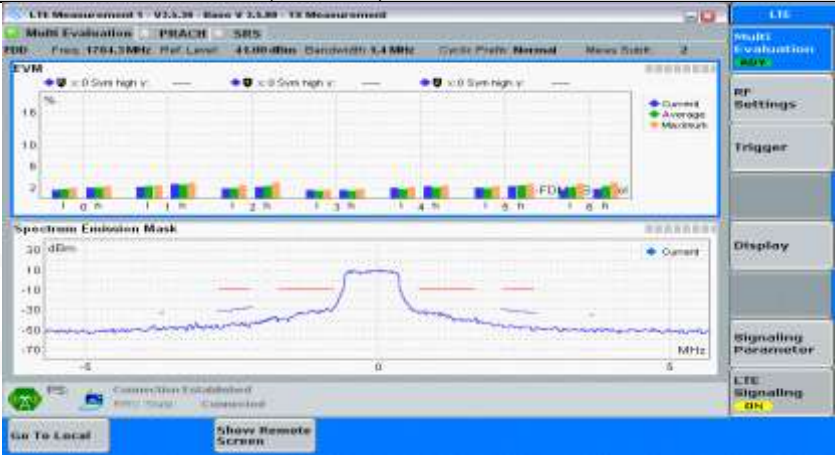
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QPSK	
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QPSK	
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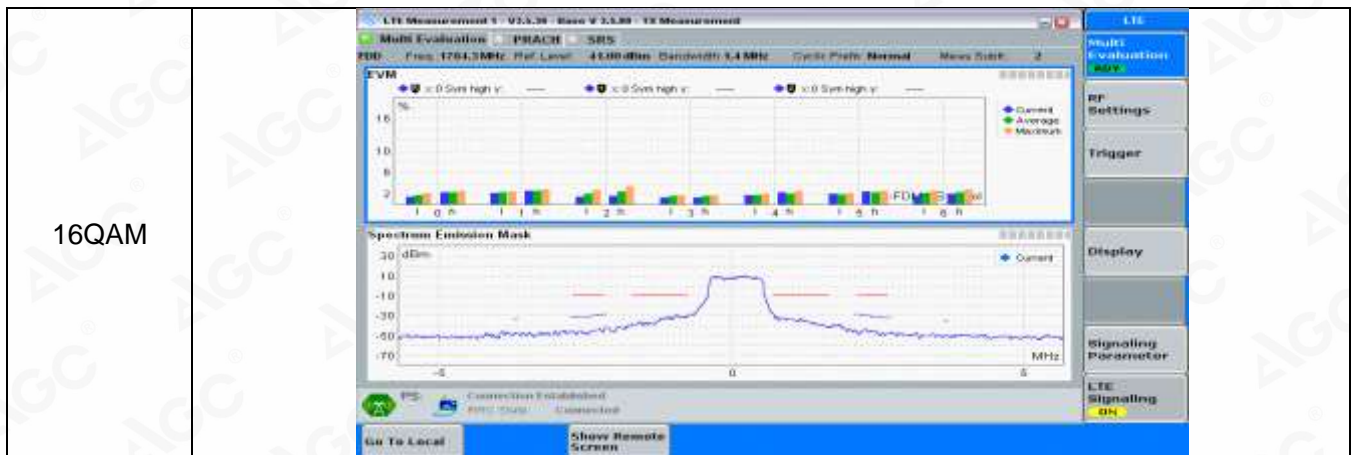
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Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max		

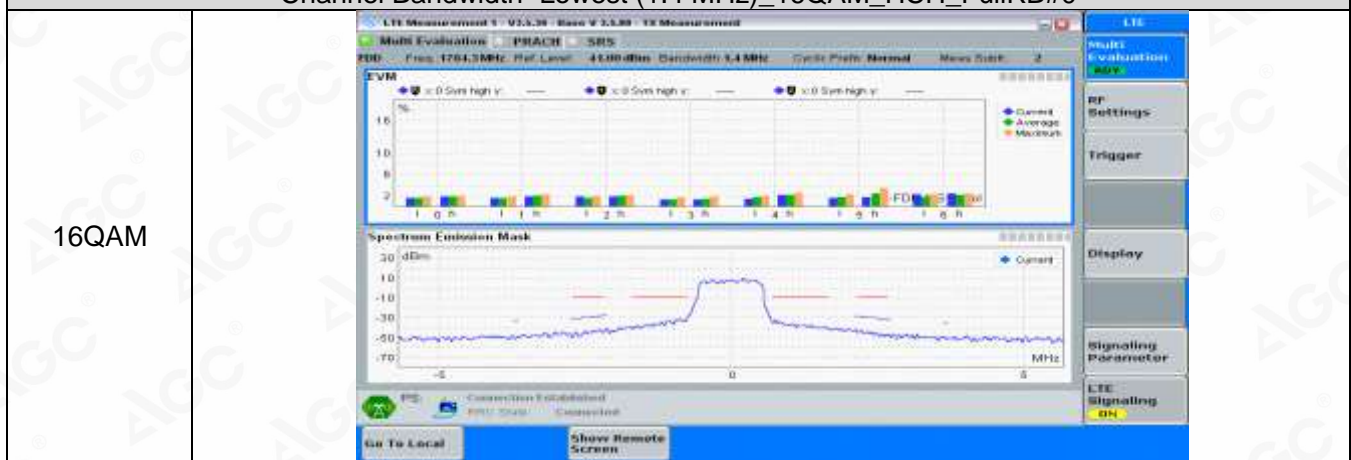


16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullIRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max	



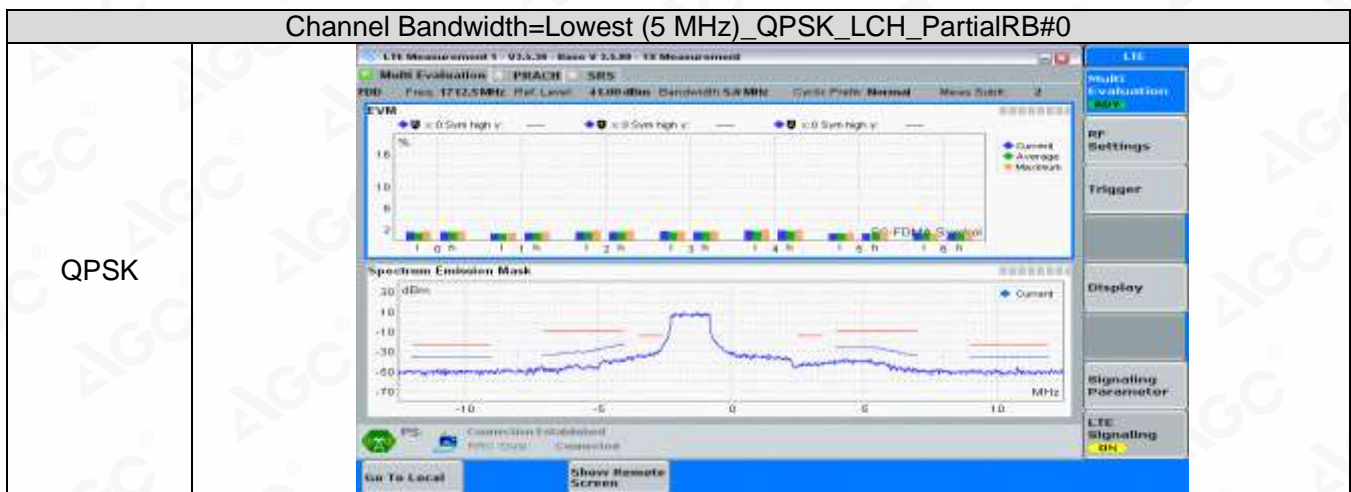


Channel Bandwidth=Lowest (1.4 MHz)\_16QAM\_HCH\_FullRB#0

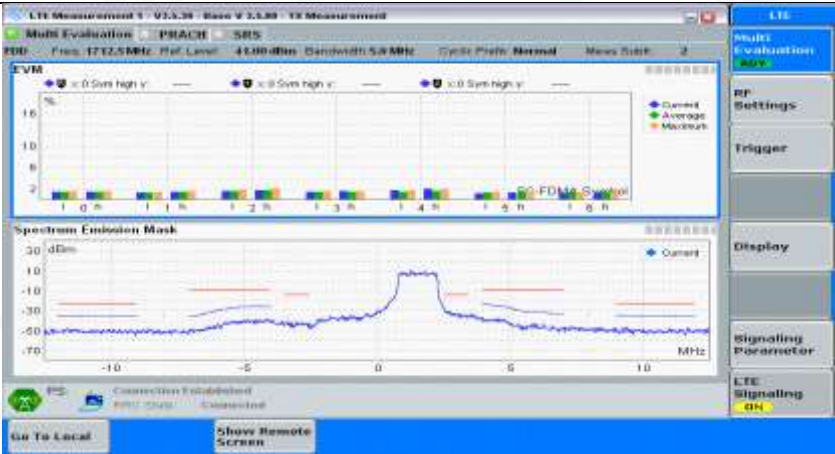

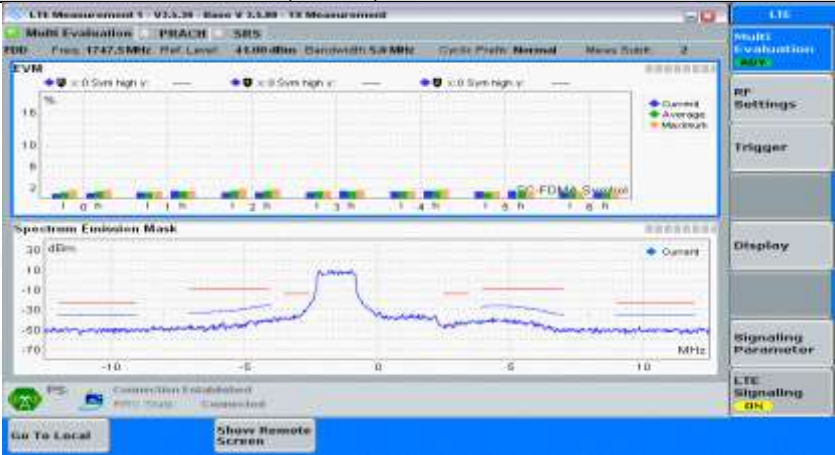


Channel Bandwidth= (5 MHz)

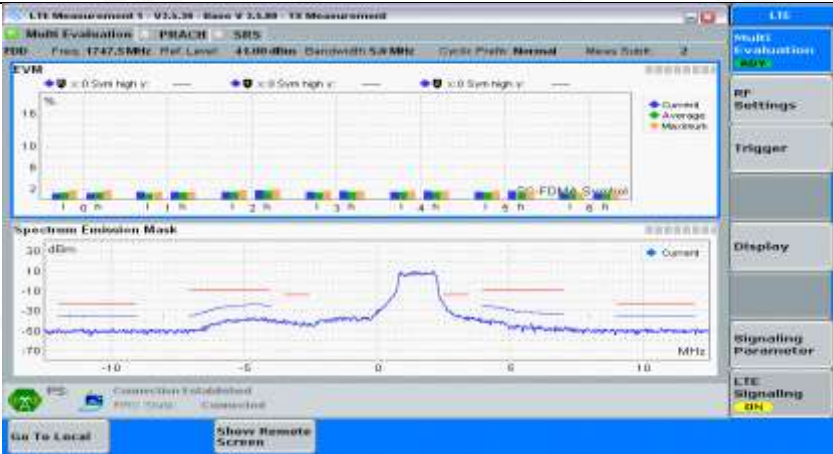
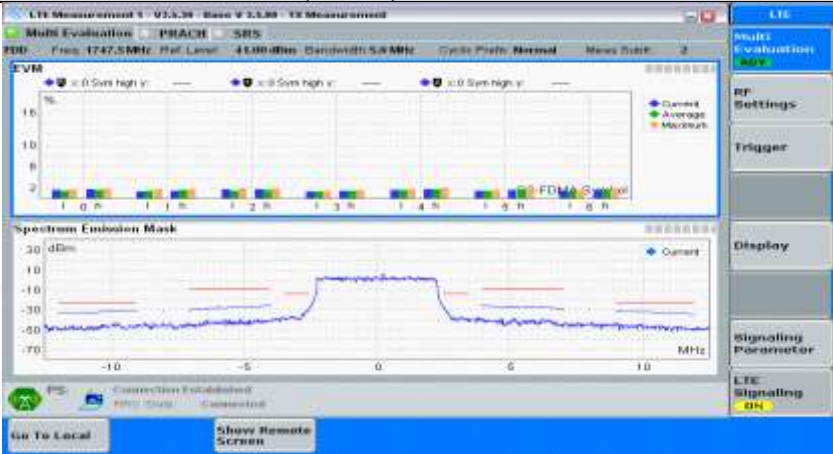
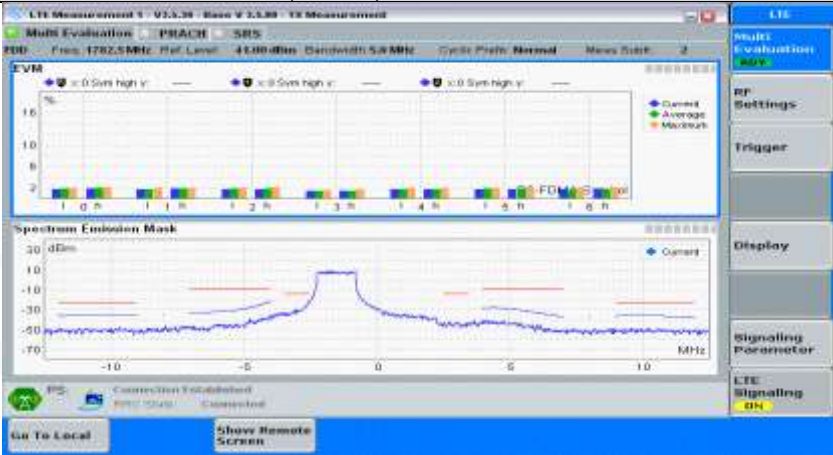
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0



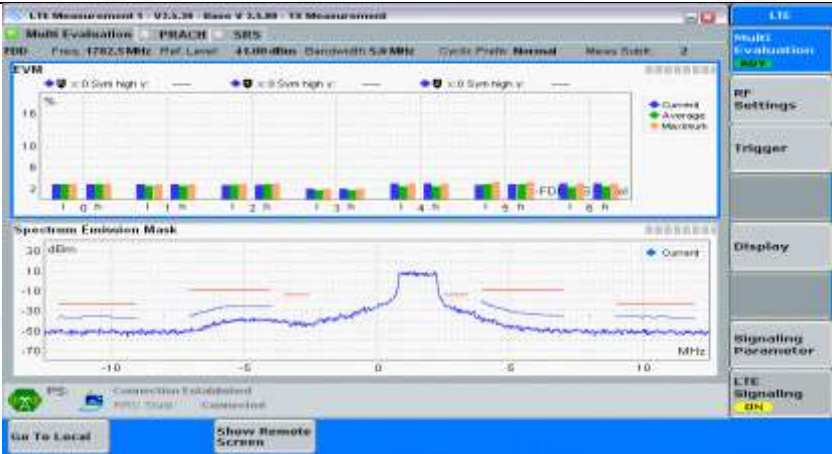
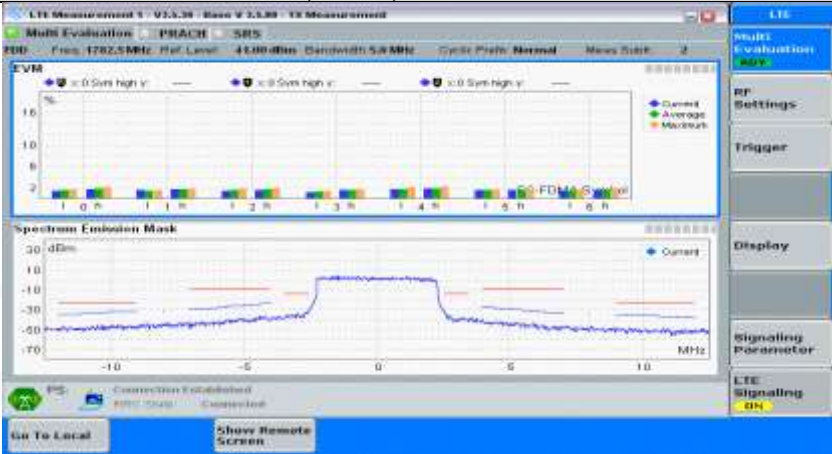
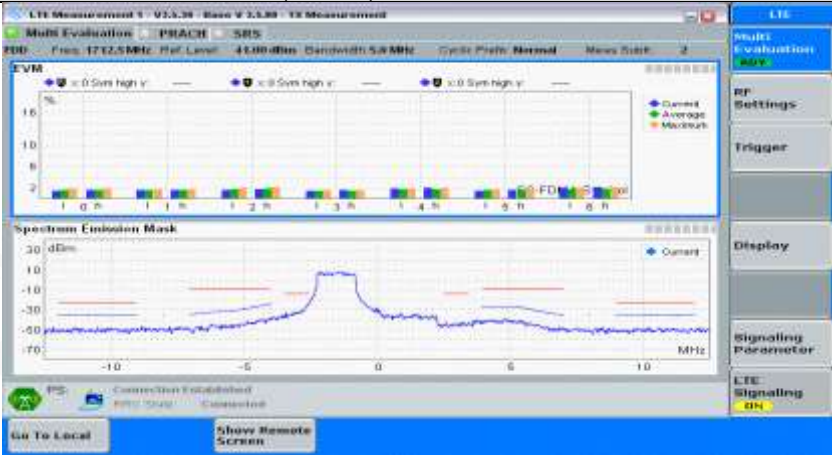
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#max

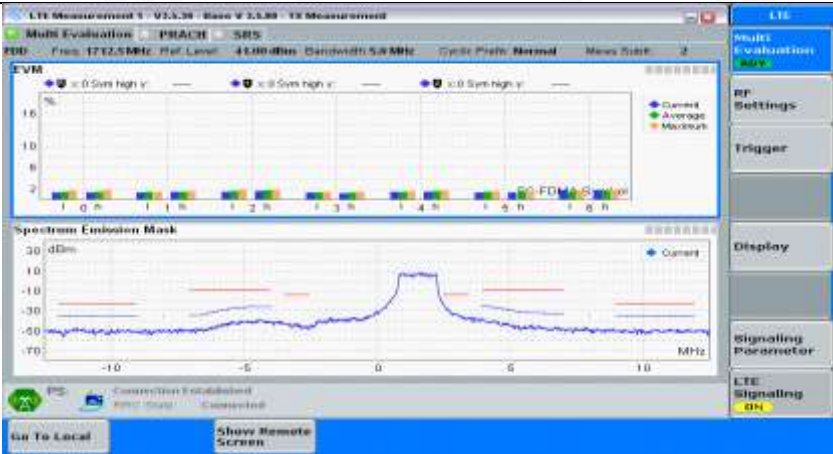
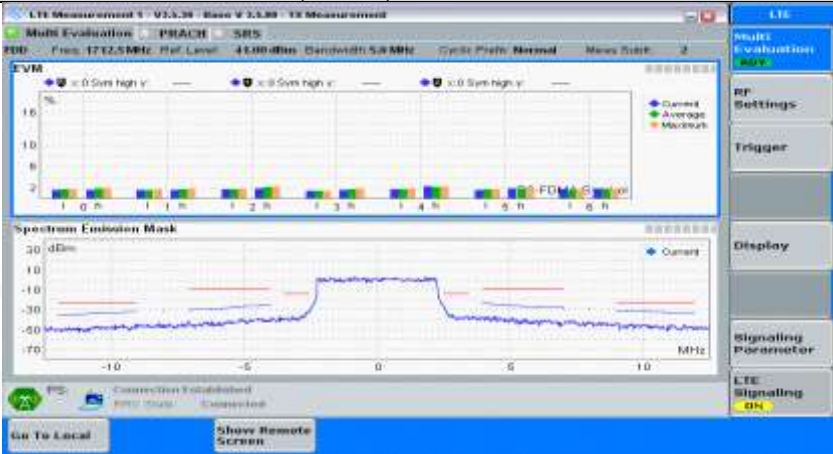
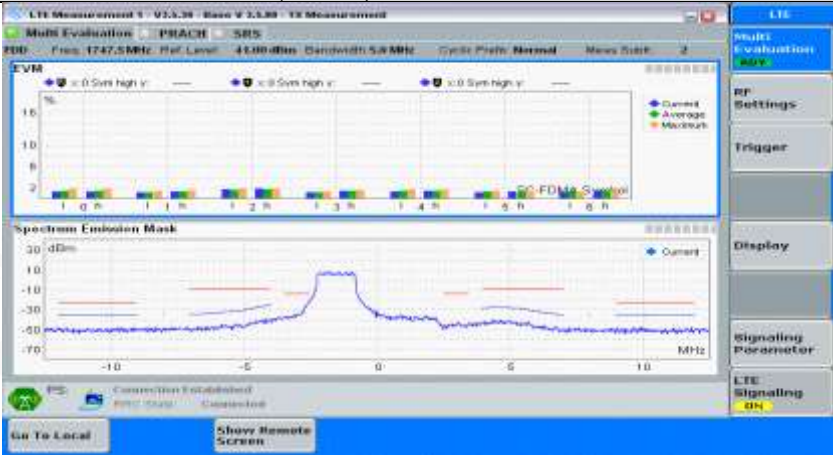
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	



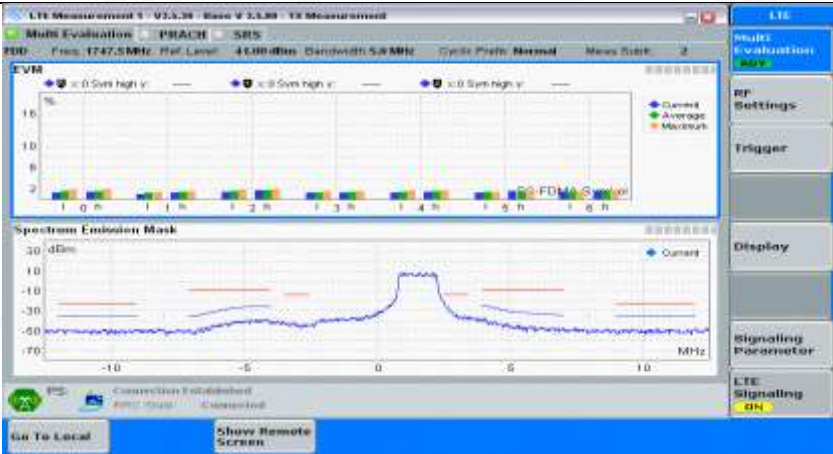

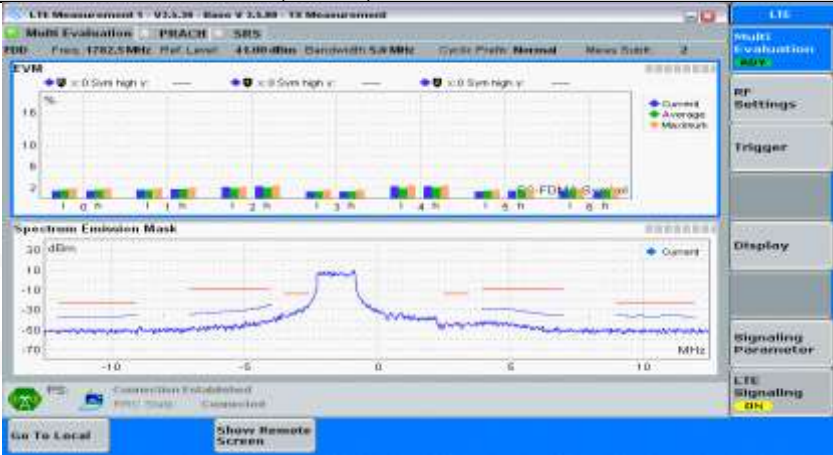
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	



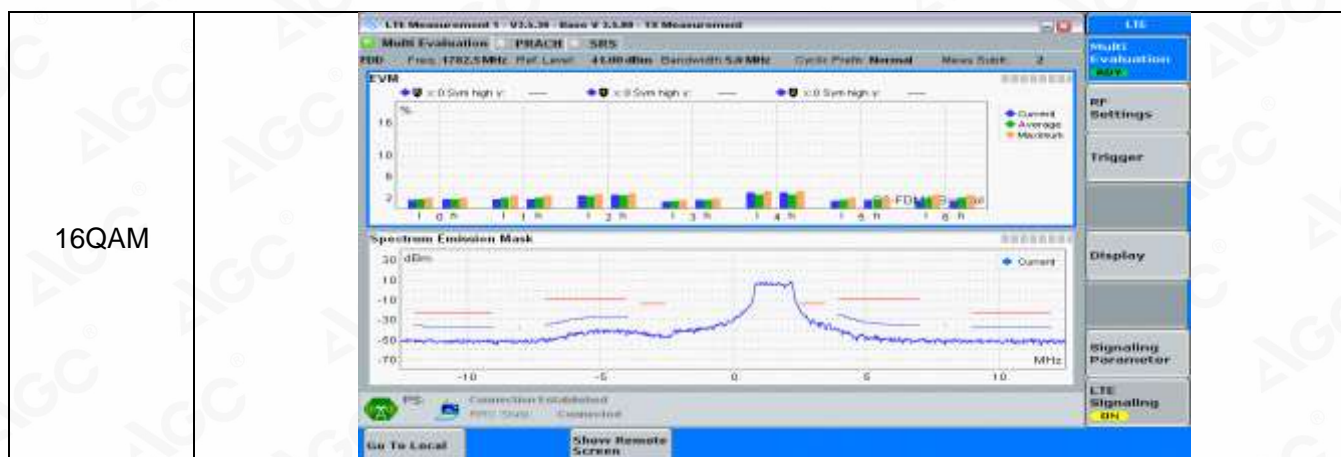
QPSK	 <p>The screenshot shows the LTE Measurement S interface for QPSK. The top section displays EVM (Error Vector Magnitude) for three subcarriers: 0.5 MHz high, 0.5 MHz low, and 0.5 MHz high. The bottom section shows the Spectrum Emission Mask (SEM) plot, which is a line graph showing the power spectral density (PSD) in dBm across a frequency range from -10 MHz to 10 MHz. The SEM plot shows a central peak at 0 MHz, with side lobes on either side. The right-hand side of the interface contains a vertical menu with options: LTE, Multi Evaluation, RF Settings, Trigger, Display, Signaling Parameter, and LTE Signaling (ON).</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	 <p>The screenshot shows the LTE Measurement S interface for QPSK. The top section displays EVM (Error Vector Magnitude) for three subcarriers: 0.5 MHz high, 0.5 MHz low, and 0.5 MHz high. The bottom section shows the Spectrum Emission Mask (SEM) plot, which is a line graph showing the power spectral density (PSD) in dBm across a frequency range from -10 MHz to 10 MHz. The SEM plot shows a central peak at 0 MHz, with side lobes on either side. The right-hand side of the interface contains a vertical menu with options: LTE, Multi Evaluation, RF Settings, Trigger, Display, Signaling Parameter, and LTE Signaling (ON).</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	
16QAM	 <p>The screenshot shows the LTE Measurement S interface for 16QAM. The top section displays EVM (Error Vector Magnitude) for three subcarriers: 0.5 MHz high, 0.5 MHz low, and 0.5 MHz high. The bottom section shows the Spectrum Emission Mask (SEM) plot, which is a line graph showing the power spectral density (PSD) in dBm across a frequency range from -10 MHz to 10 MHz. The SEM plot shows a central peak at 0 MHz, with side lobes on either side. The right-hand side of the interface contains a vertical menu with options: LTE, Multi Evaluation, RF Settings, Trigger, Display, Signaling Parameter, and LTE Signaling (ON).</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	

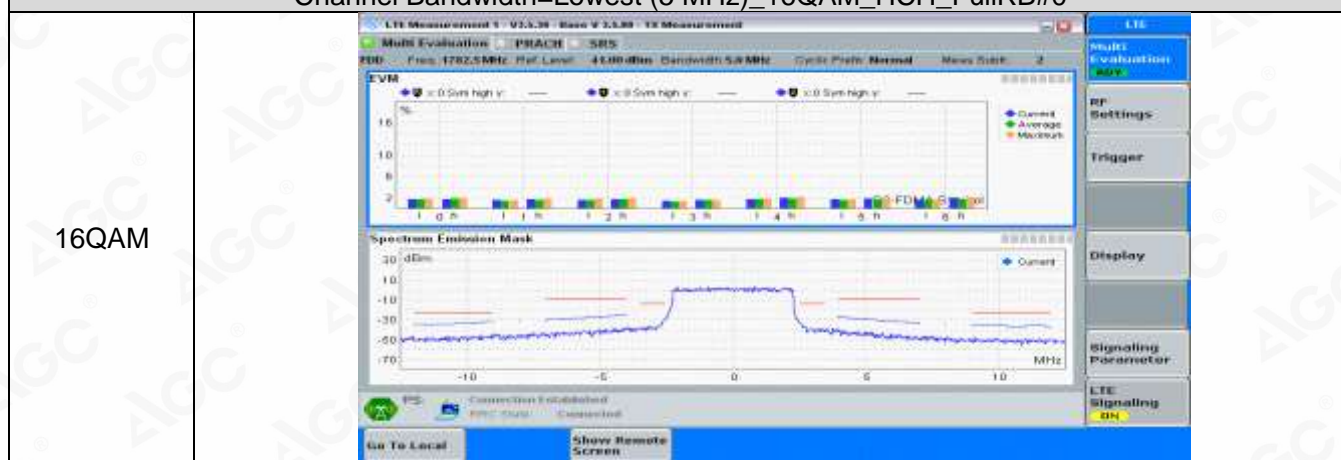


16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max		



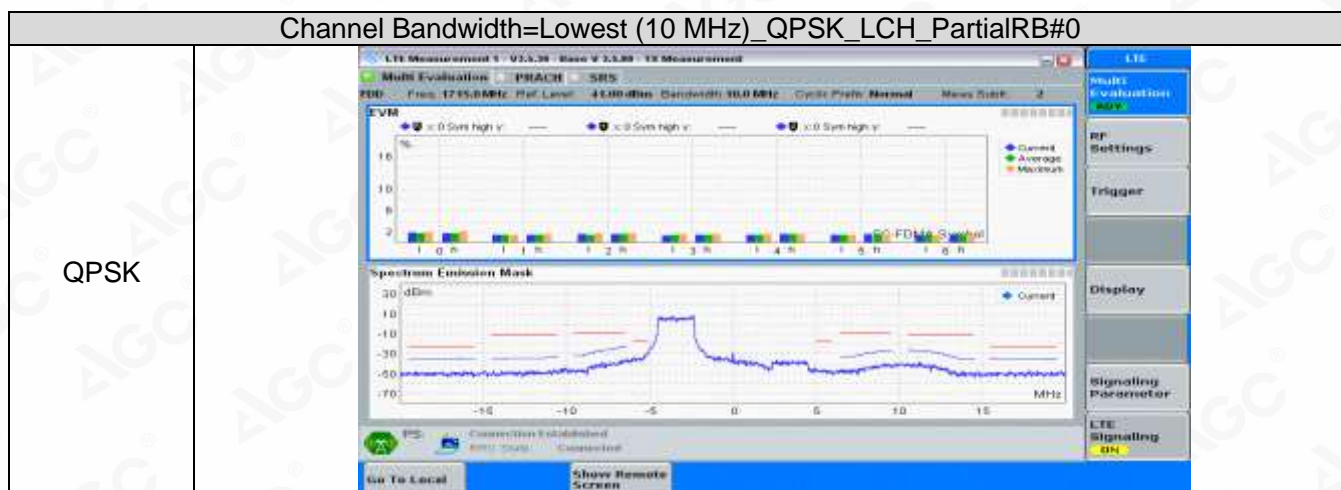


Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0

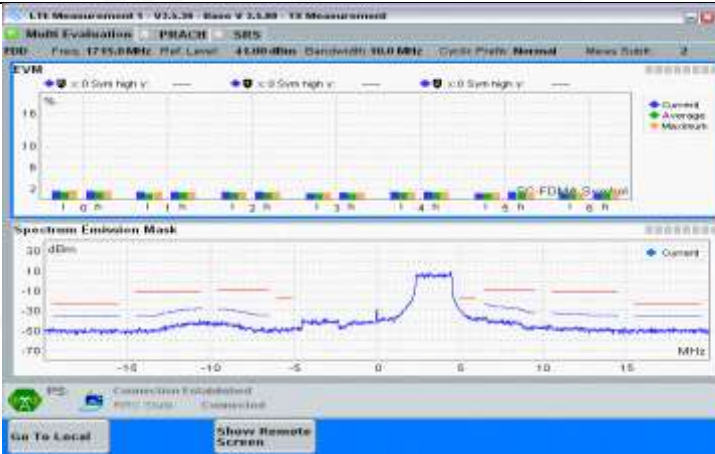

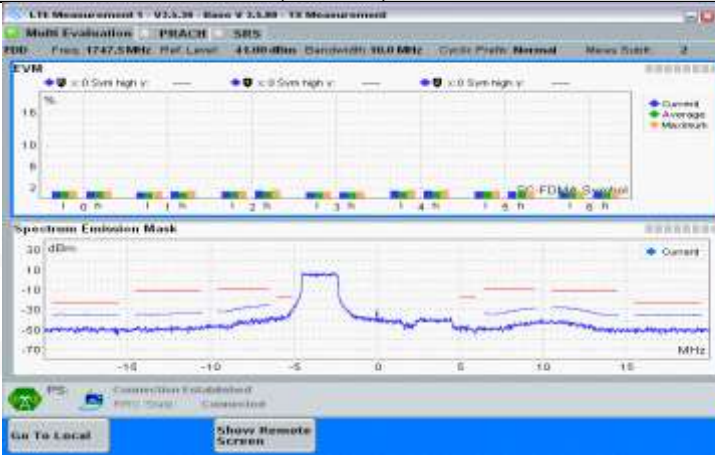


Channel Bandwidth= (10 MHz)

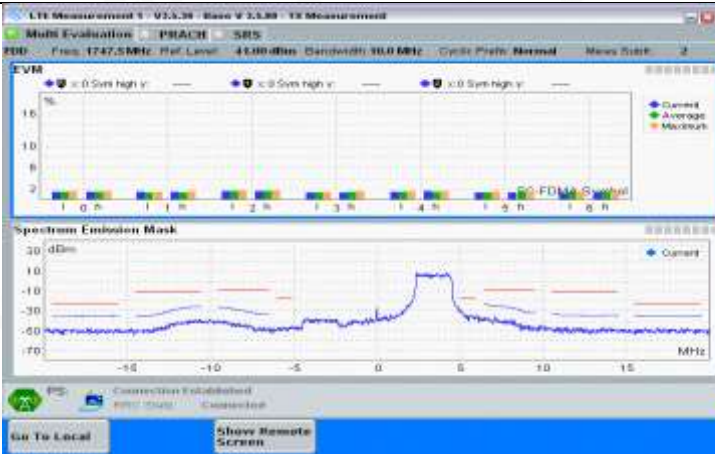

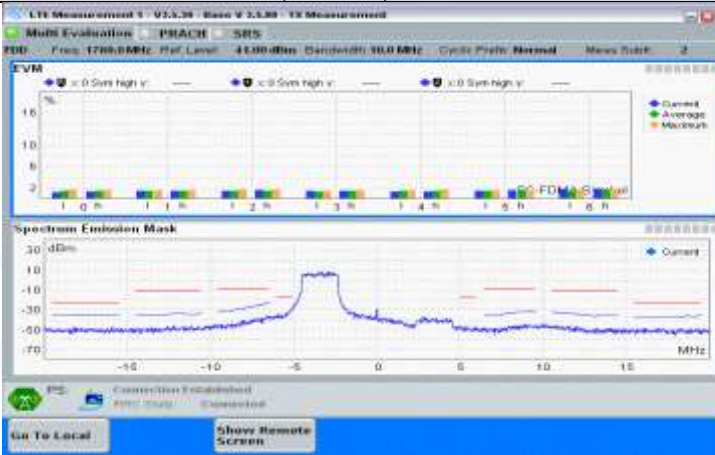
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0



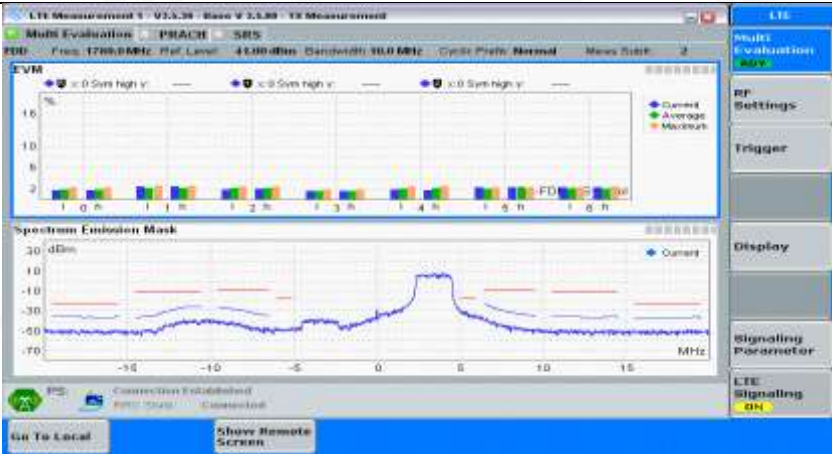

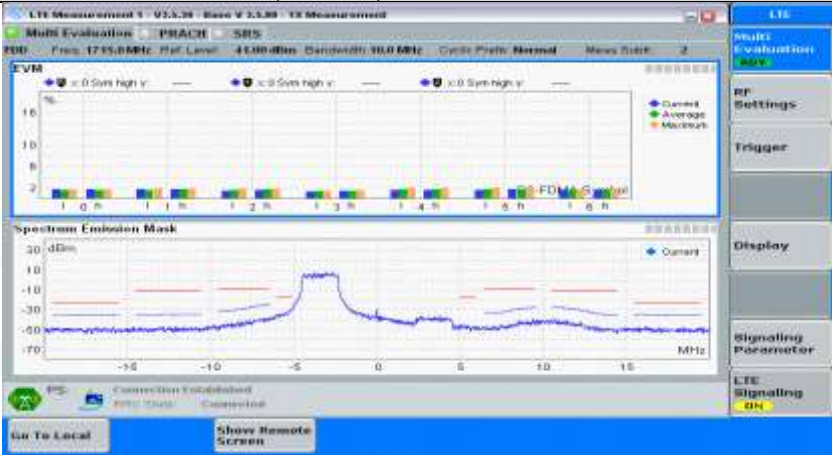
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max

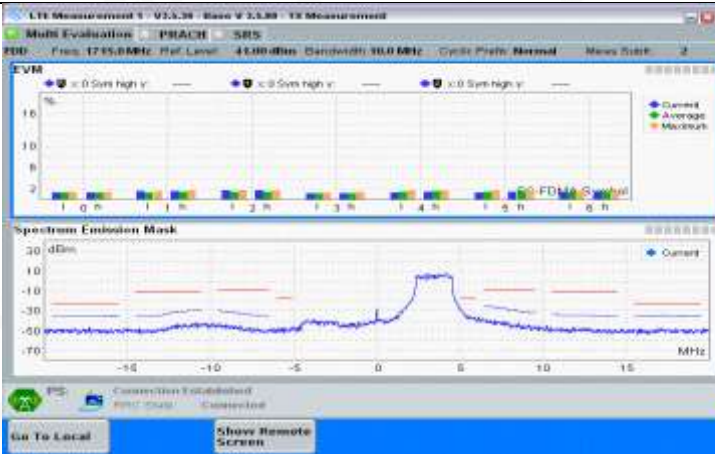

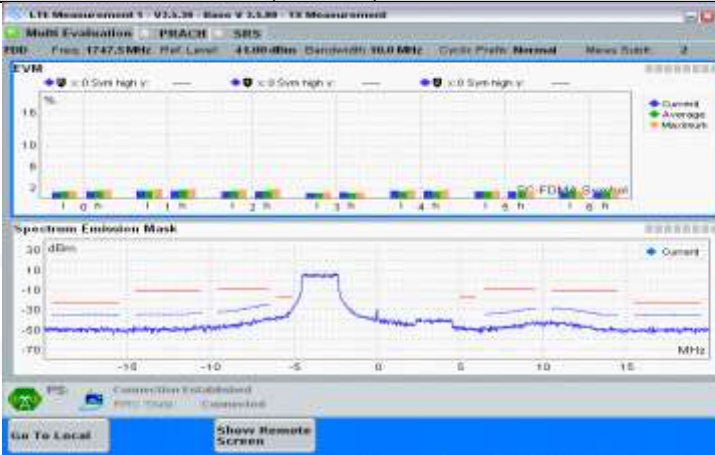
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max		



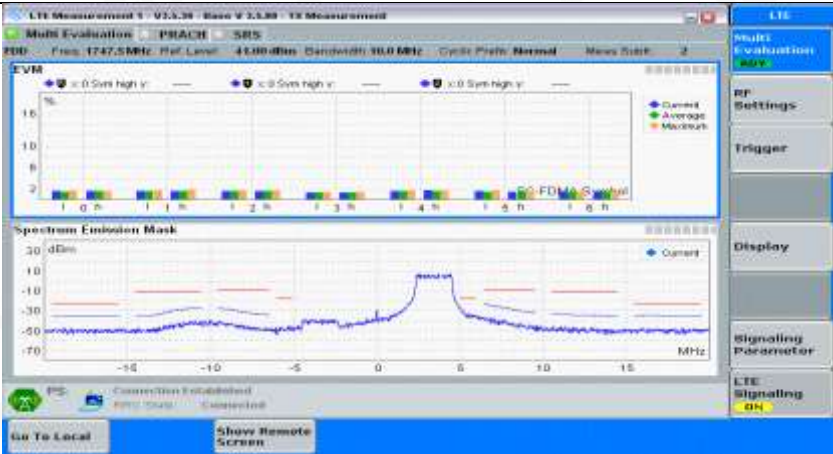
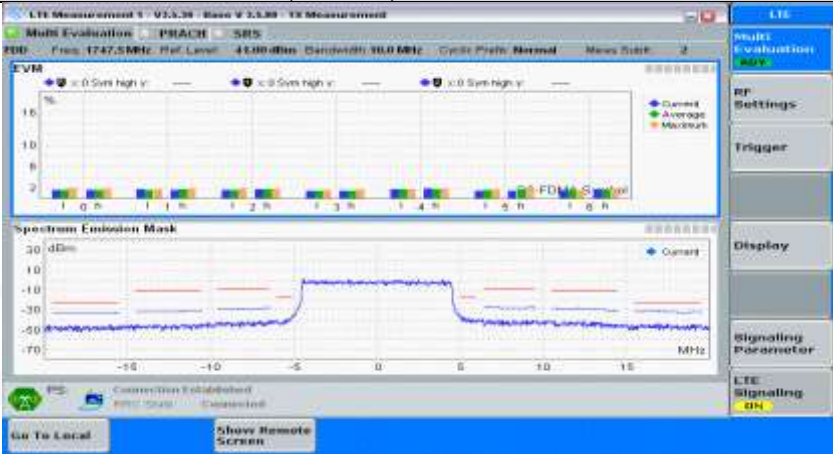
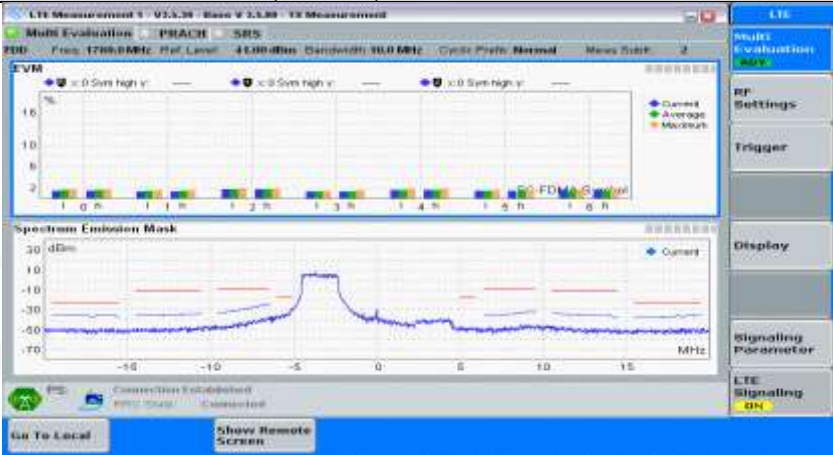
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		



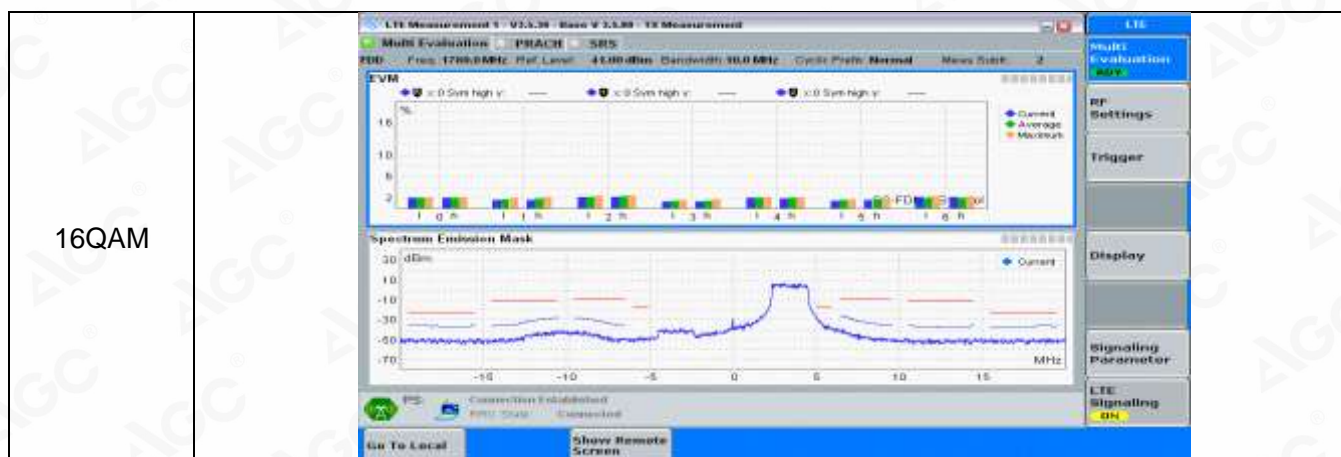
QPSK	 <p>The screenshot shows the LTE Measurement S interface for QPSK. The top bar indicates 'LTE Measurement S: V3.5.38 - Base V 3.5.38 - TS Measurement'. The main display area shows two plots: 'EVM' (Error Vector Magnitude) and 'Spectrum Emission Mask'. The EVM plot shows a peak value of 16. The Spectrum Emission Mask plot shows a peak value of 30 dBm. The right sidebar contains buttons for 'LTE', 'Multi Evaluation', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling'.</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	
QPSK	 <p>The screenshot shows the LTE Measurement S interface for QPSK. The top bar indicates 'LTE Measurement S: V3.5.38 - Base V 3.5.38 - TS Measurement'. The main display area shows two plots: 'EVM' (Error Vector Magnitude) and 'Spectrum Emission Mask'. The EVM plot shows a peak value of 16. The Spectrum Emission Mask plot shows a peak value of 30 dBm. The right sidebar contains buttons for 'LTE', 'Multi Evaluation', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling'.</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0	
16QAM	 <p>The screenshot shows the LTE Measurement S interface for 16QAM. The top bar indicates 'LTE Measurement S: V3.5.38 - Base V 3.5.38 - TS Measurement'. The main display area shows two plots: 'EVM' (Error Vector Magnitude) and 'Spectrum Emission Mask'. The EVM plot shows a peak value of 16. The Spectrum Emission Mask plot shows a peak value of 30 dBm. The right sidebar contains buttons for 'LTE', 'Multi Evaluation', 'RF Settings', 'Trigger', 'Display', 'Signaling Parameter', and 'LTE Signaling'.</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max		

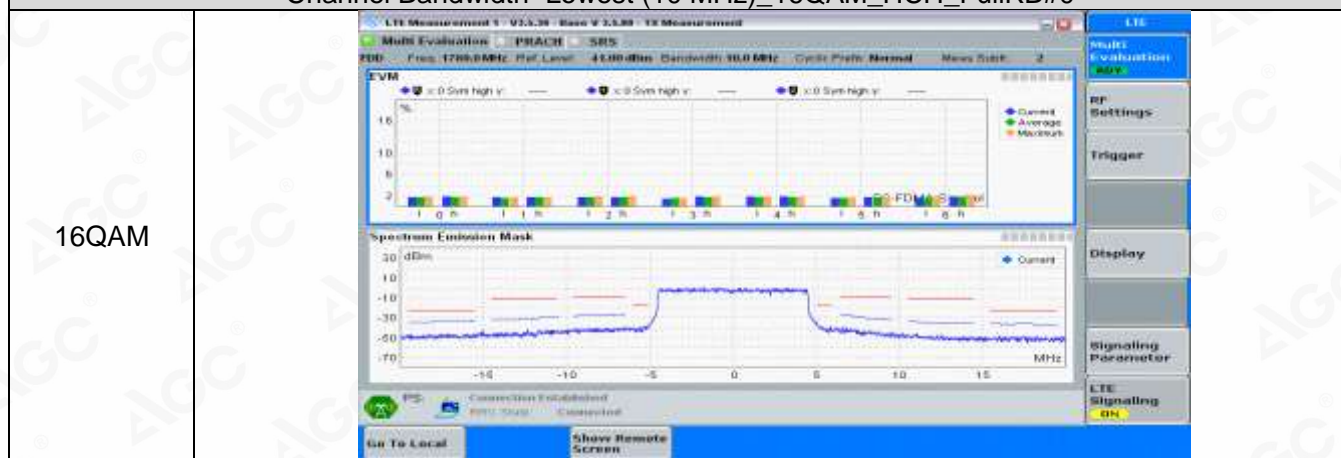


16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max		



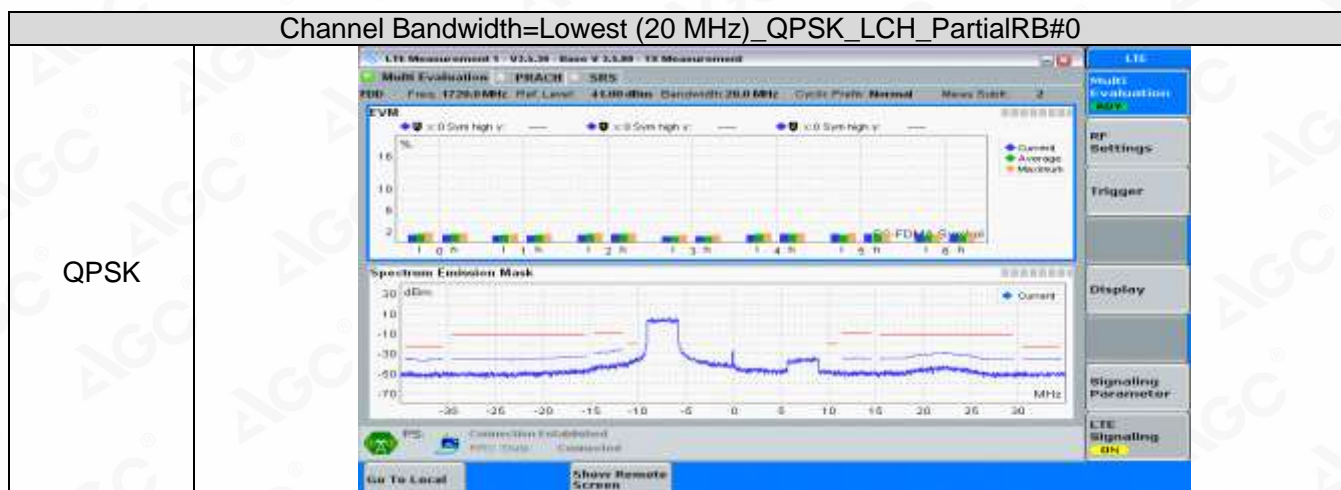


Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0

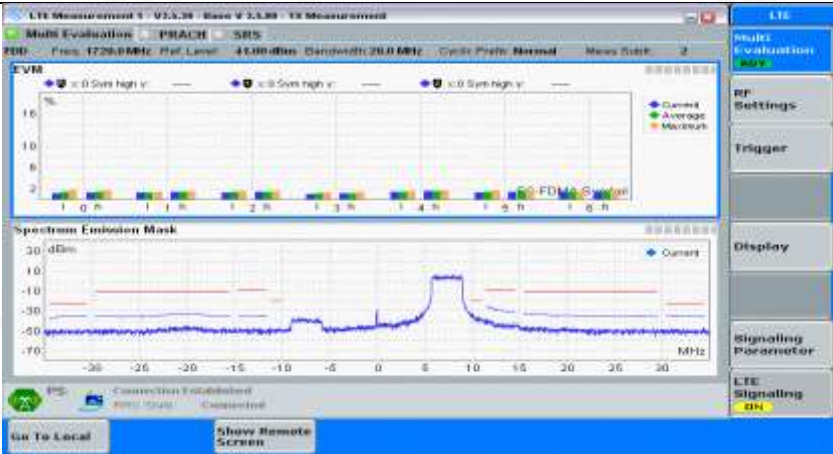
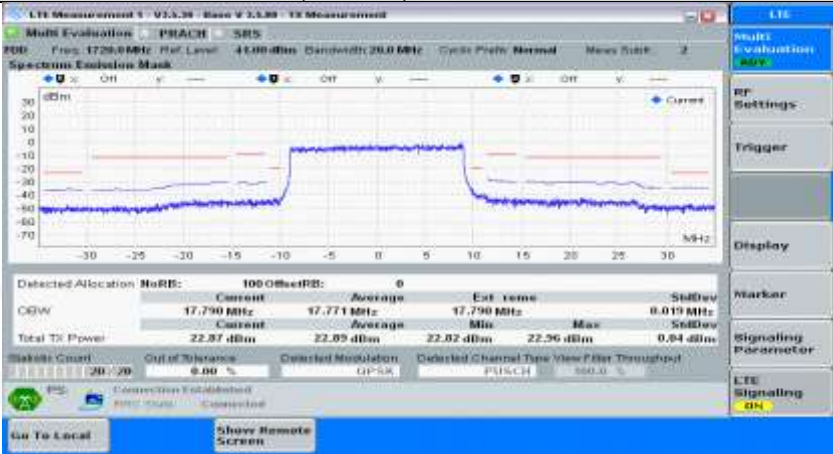
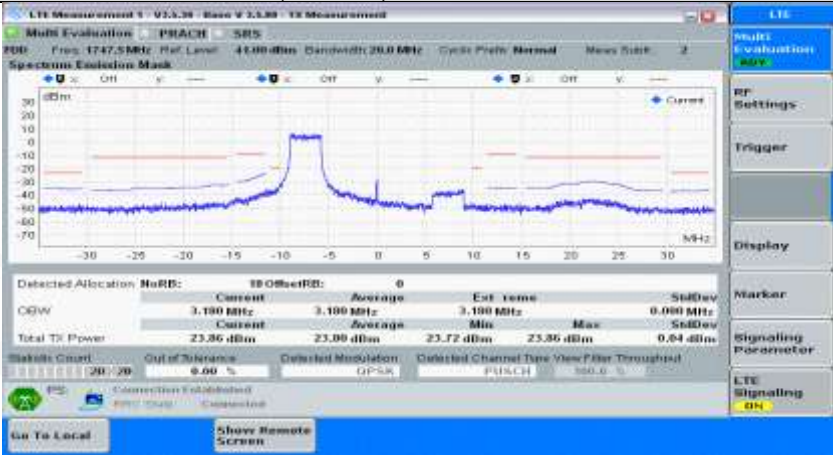


Channel Bandwidth=Highest (20 MHz)

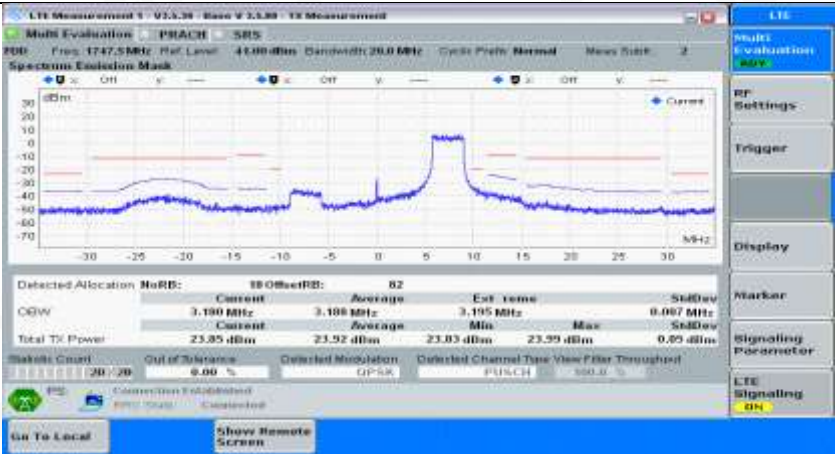
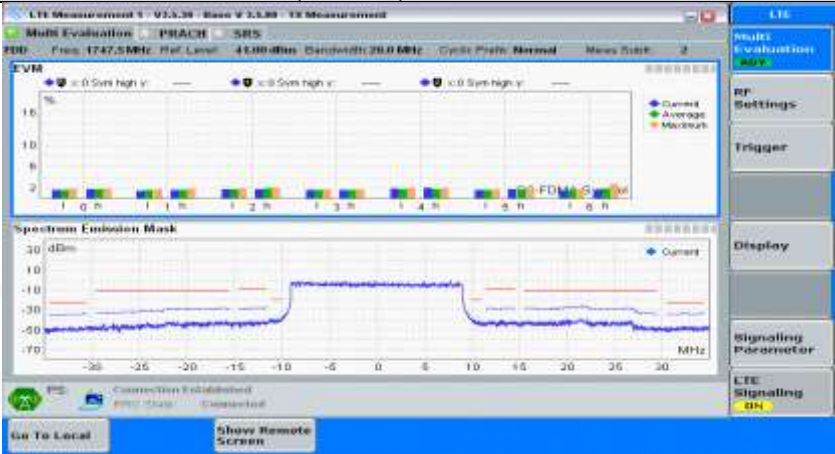
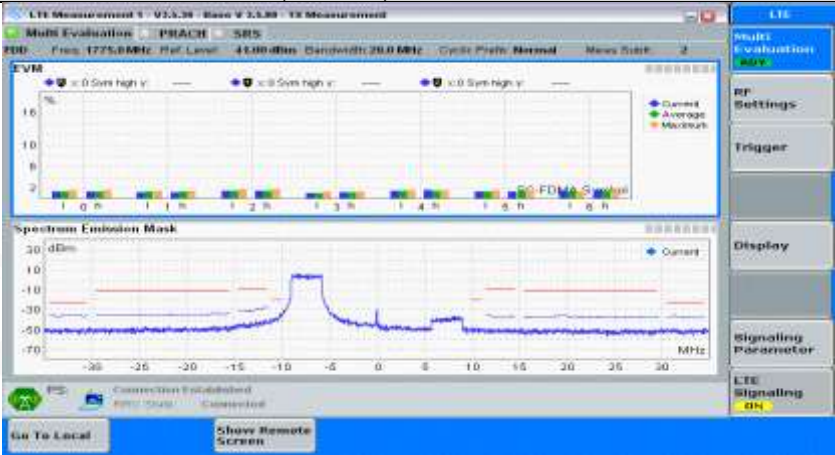
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0



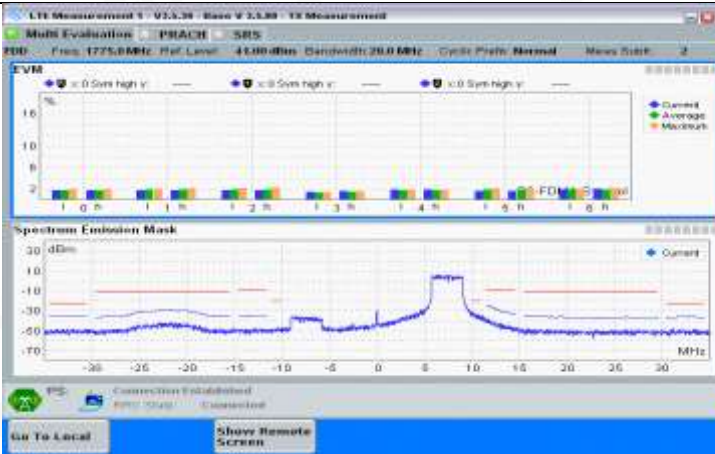
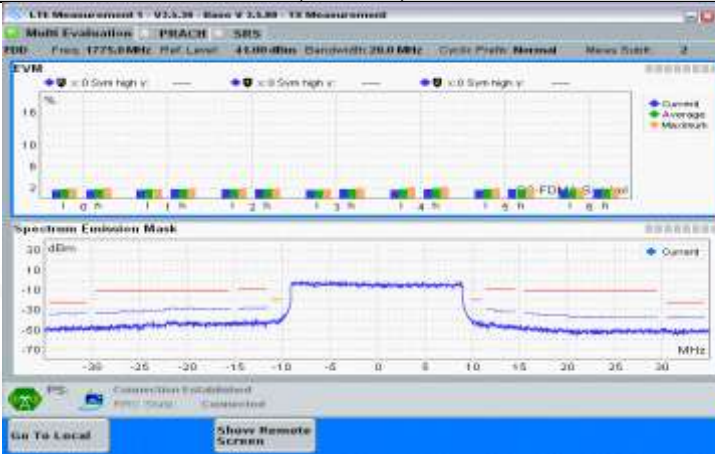
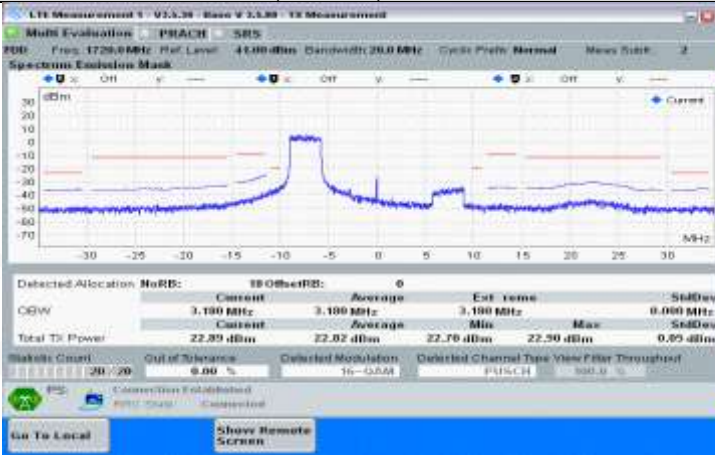
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max

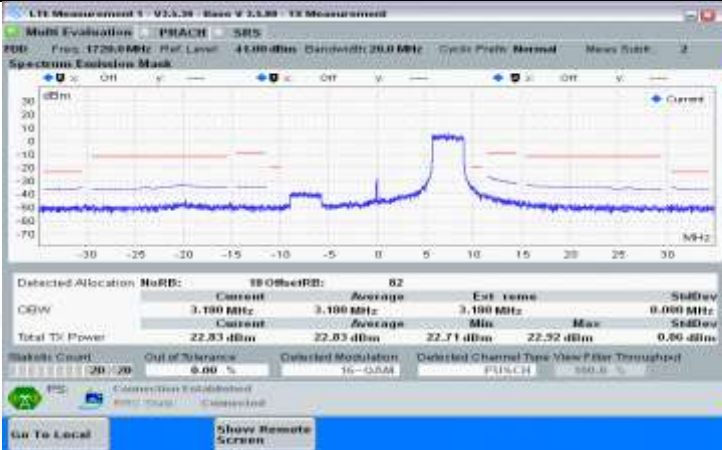
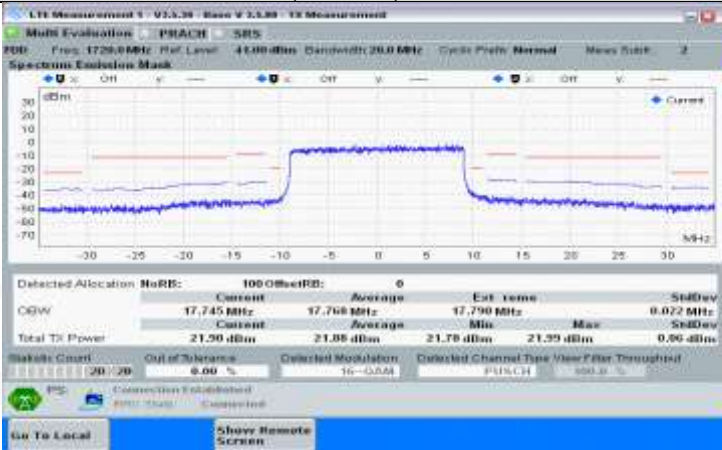
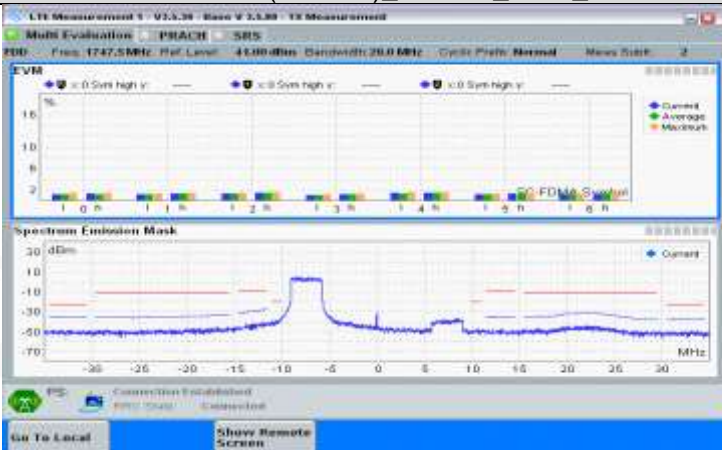
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	



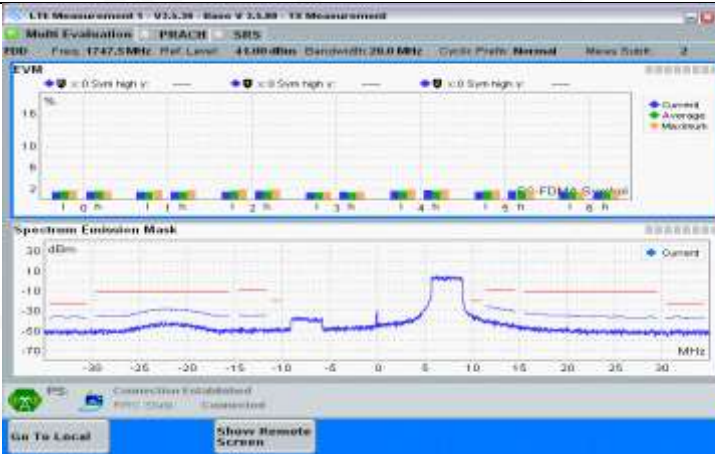
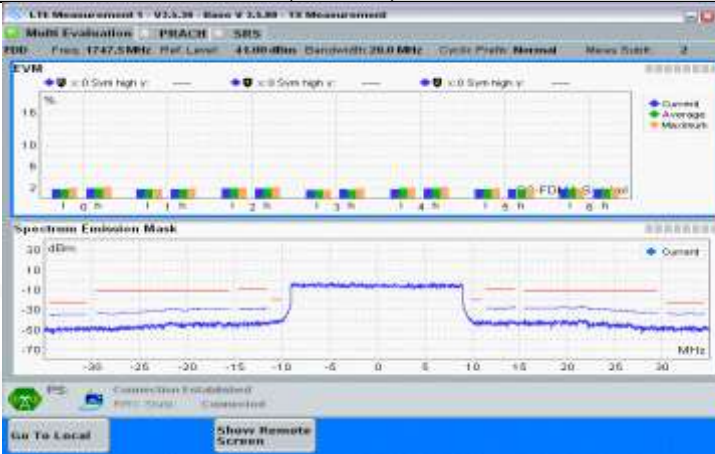
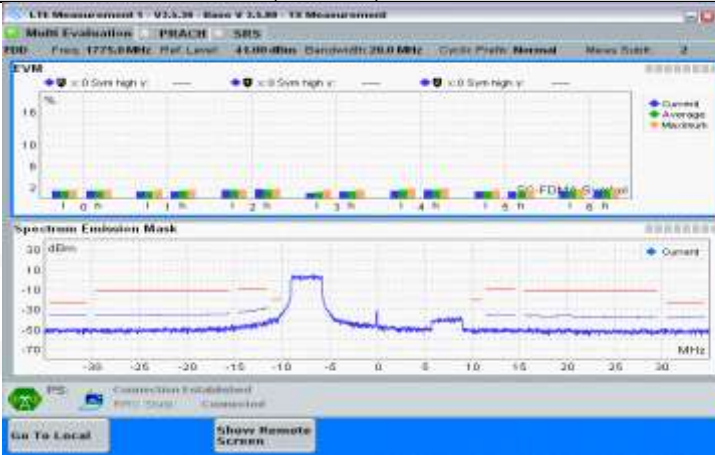
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>



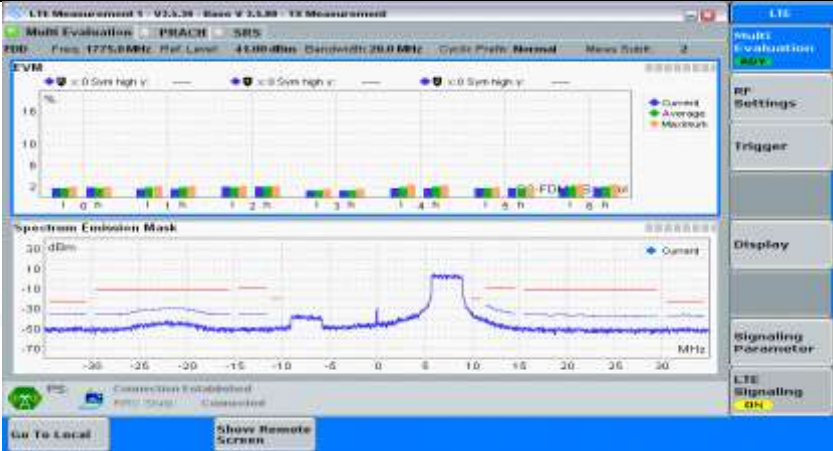
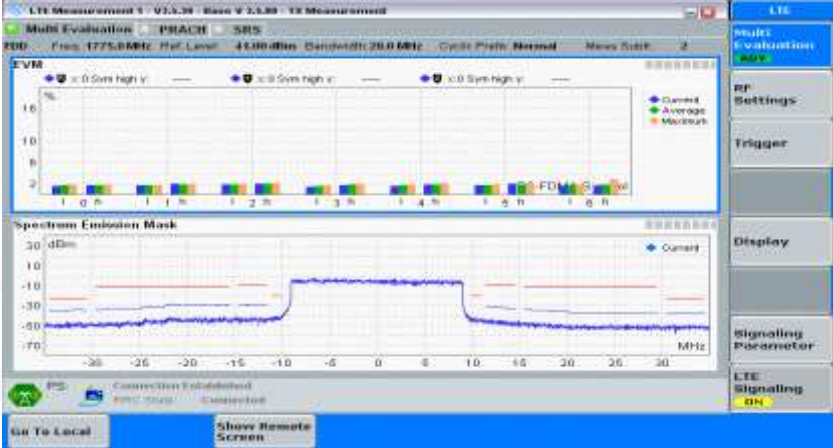
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max		

16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0	
16QAM	

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					0	PUMAX	Pass



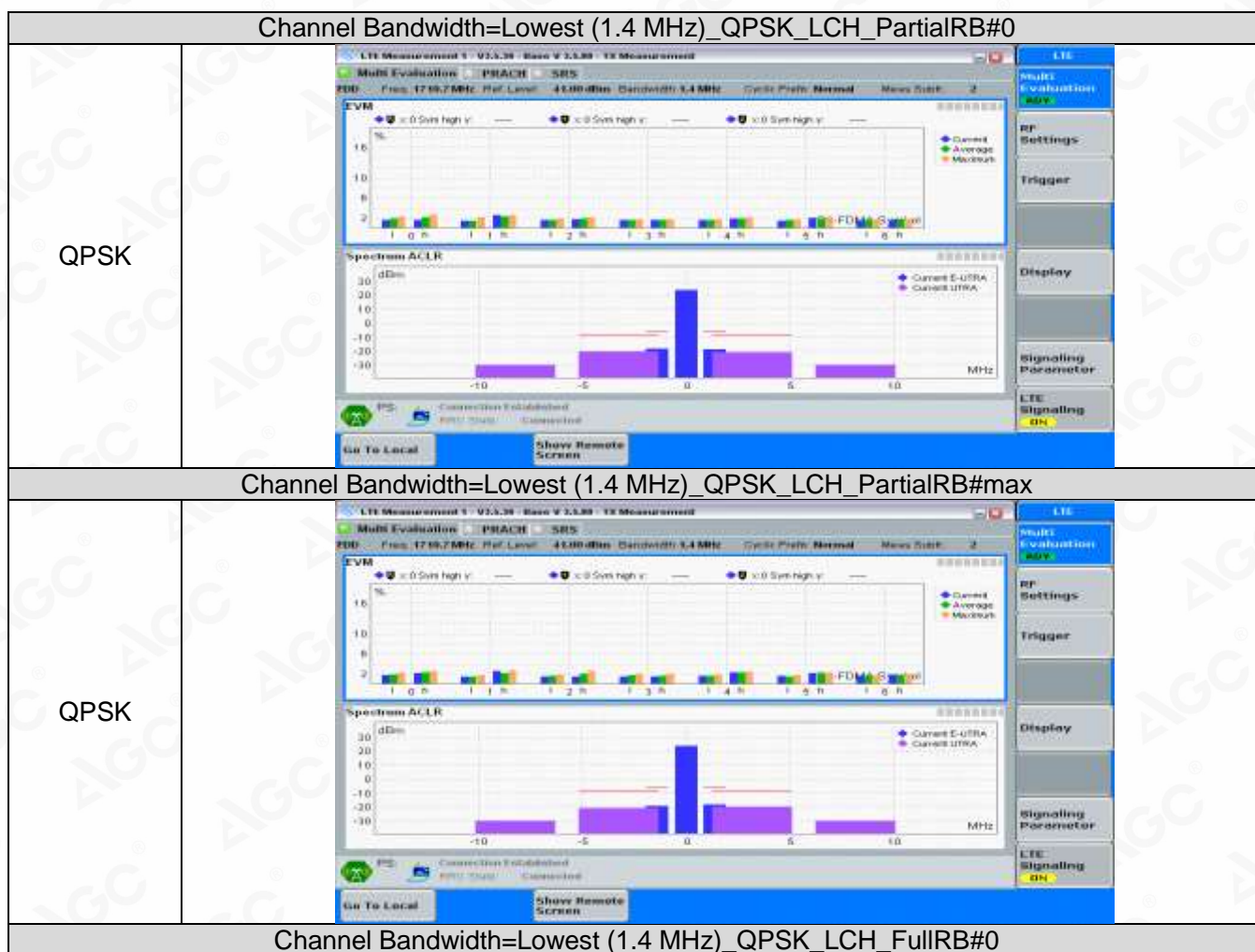





	16QAM		Low range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
			Mid range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
			High range		max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass

## Test Graphs




NTNV

Channel Bandwidth=Lowest (1.4 MHz)









QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0		





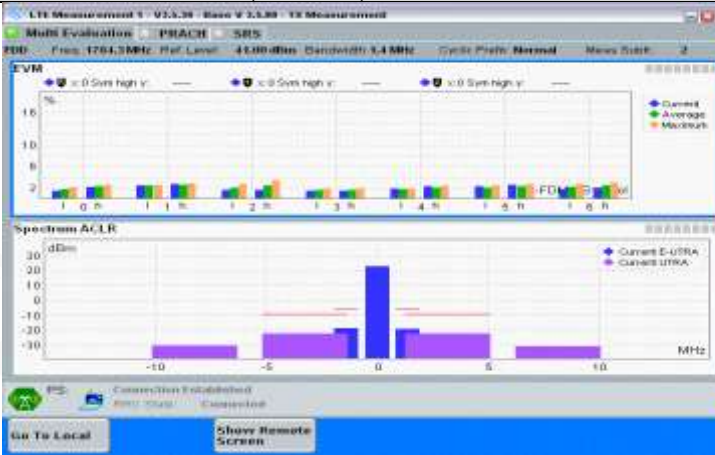
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0		



QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0		

16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0		

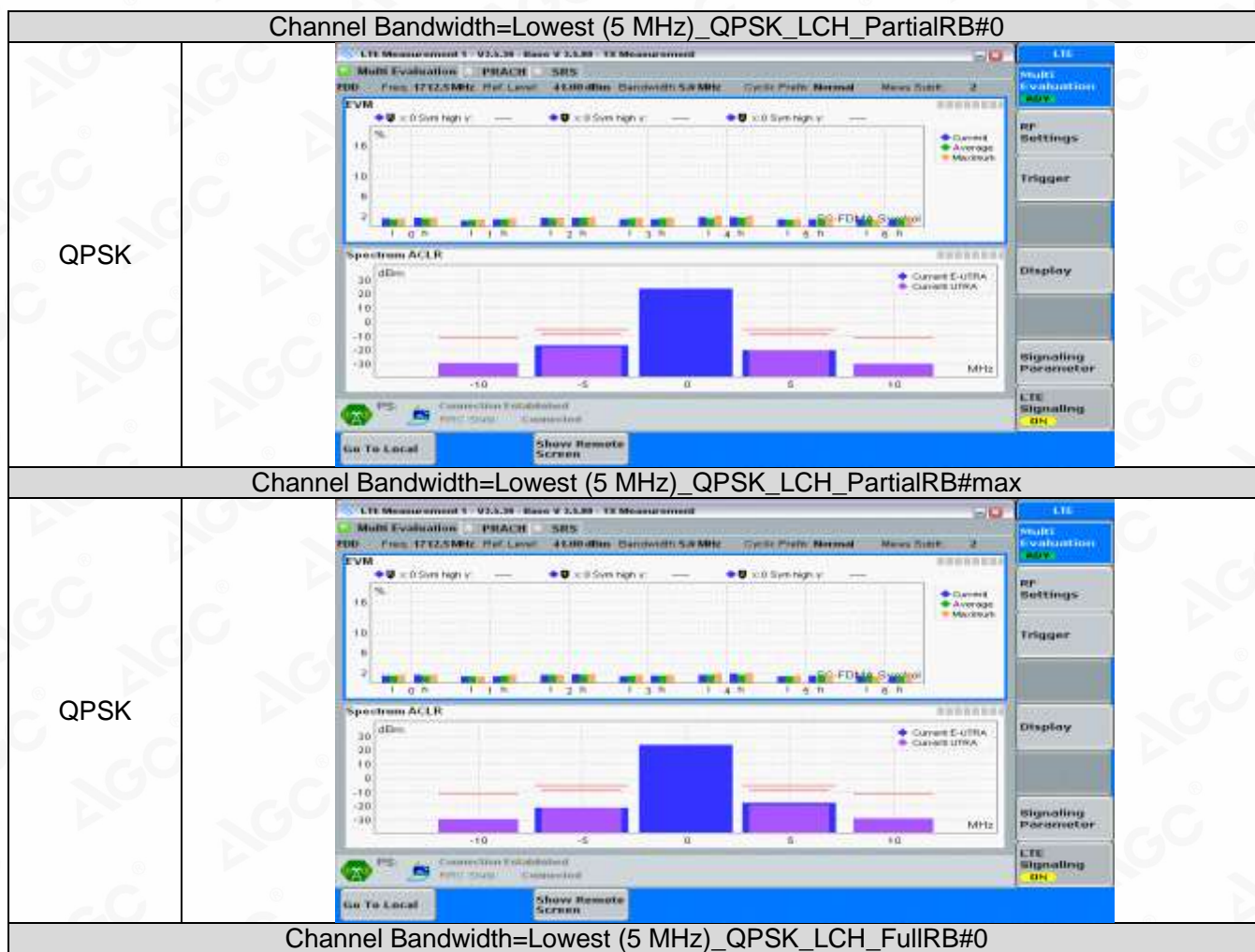





16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0		








Channel Bandwidth= (5 MHz)









QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	






QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0		



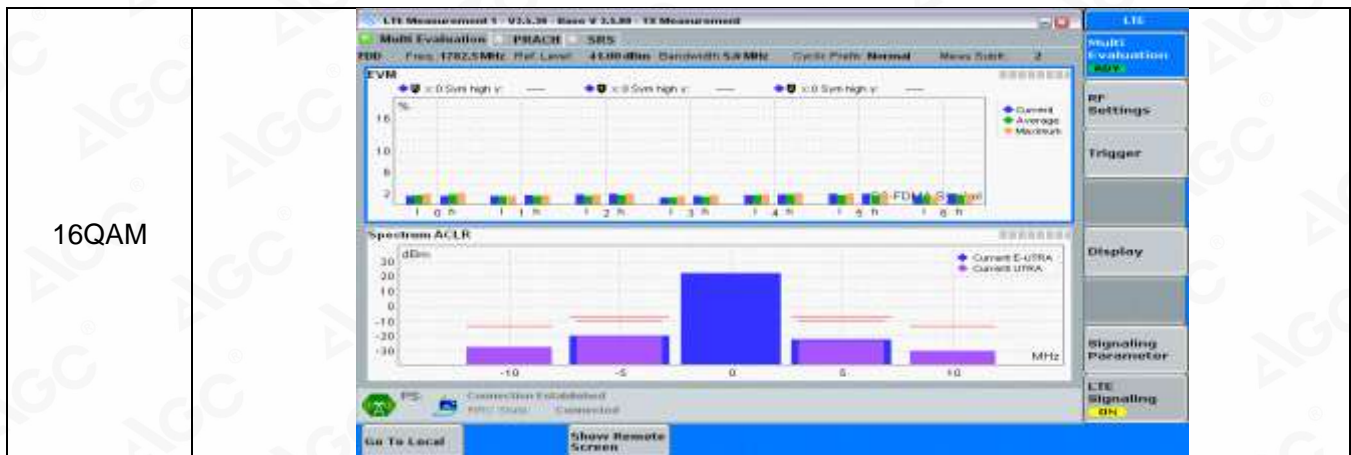
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0		

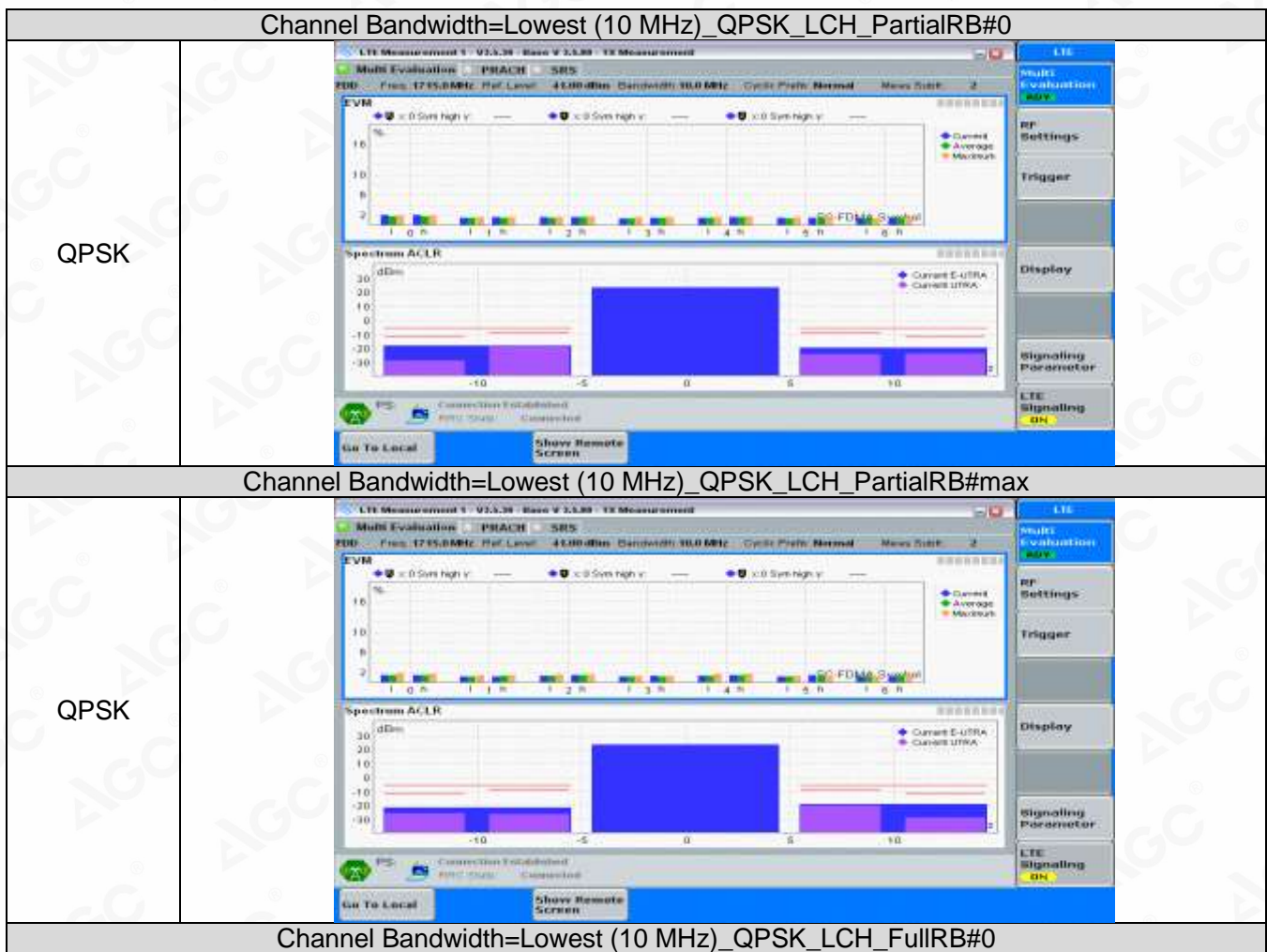





16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0		







Channel Bandwidth= (10 MHz)









QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0	






QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		



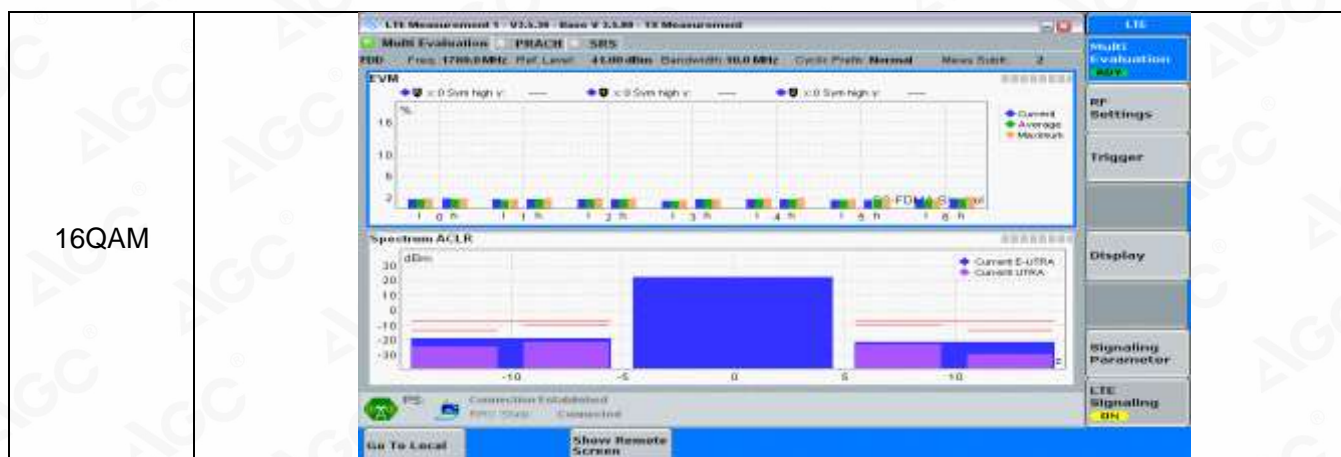
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0		

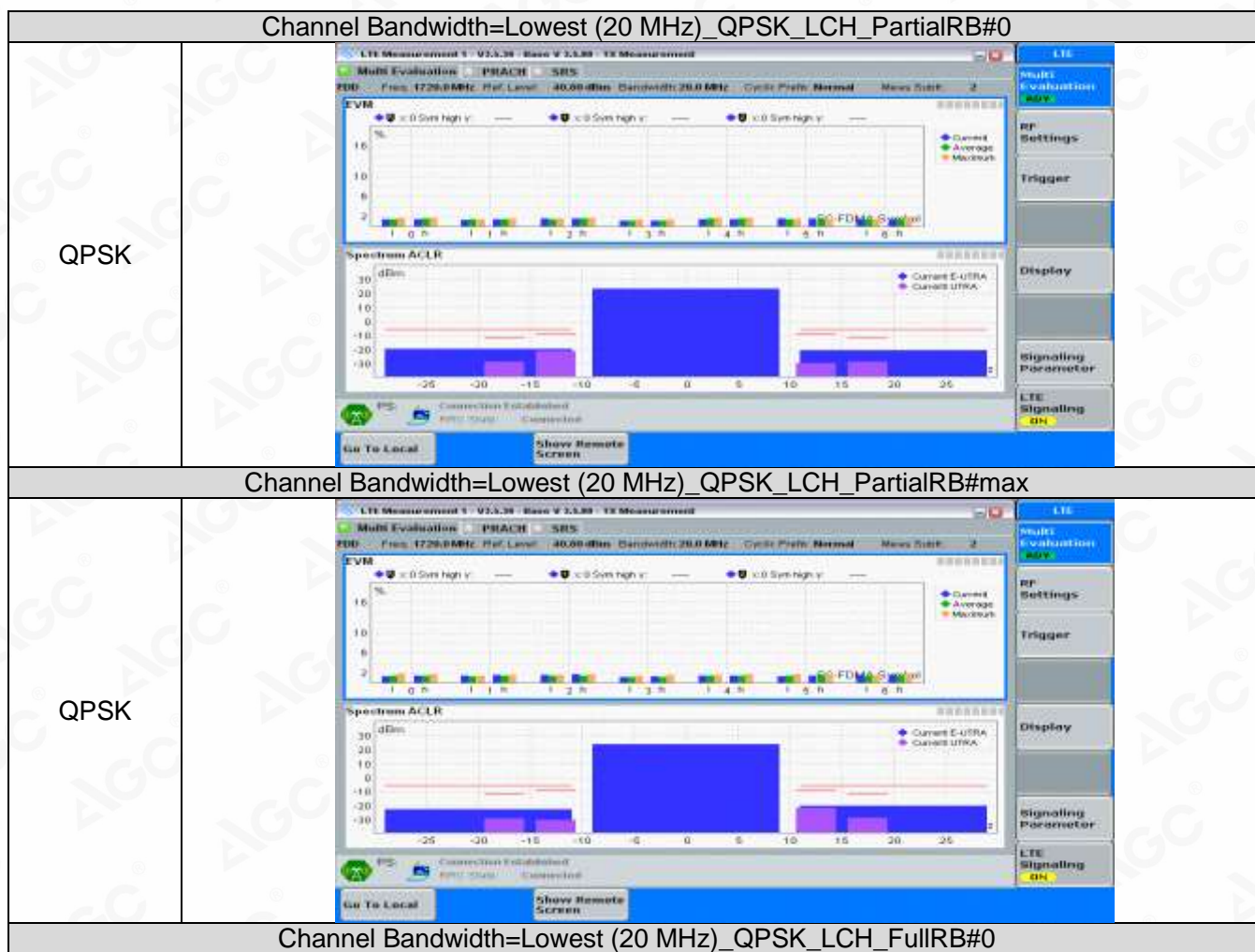





16QAM		
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0		
16QAM		
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max		
16QAM		
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0		








Channel Bandwidth=Highest (20 MHz)









QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0		






QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0		



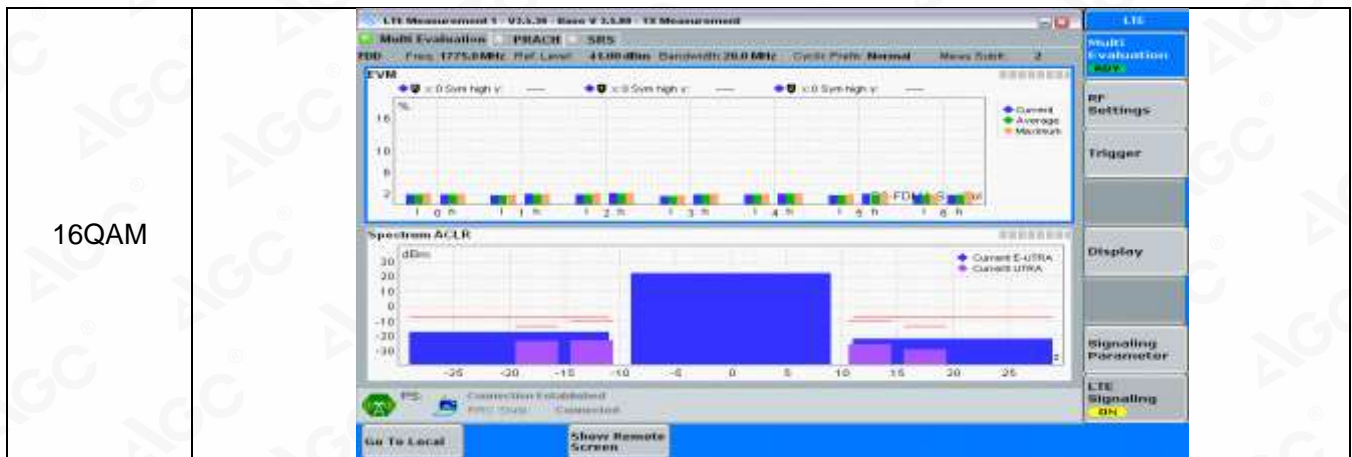
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		



16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0		





## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (1.4 MHz)**

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

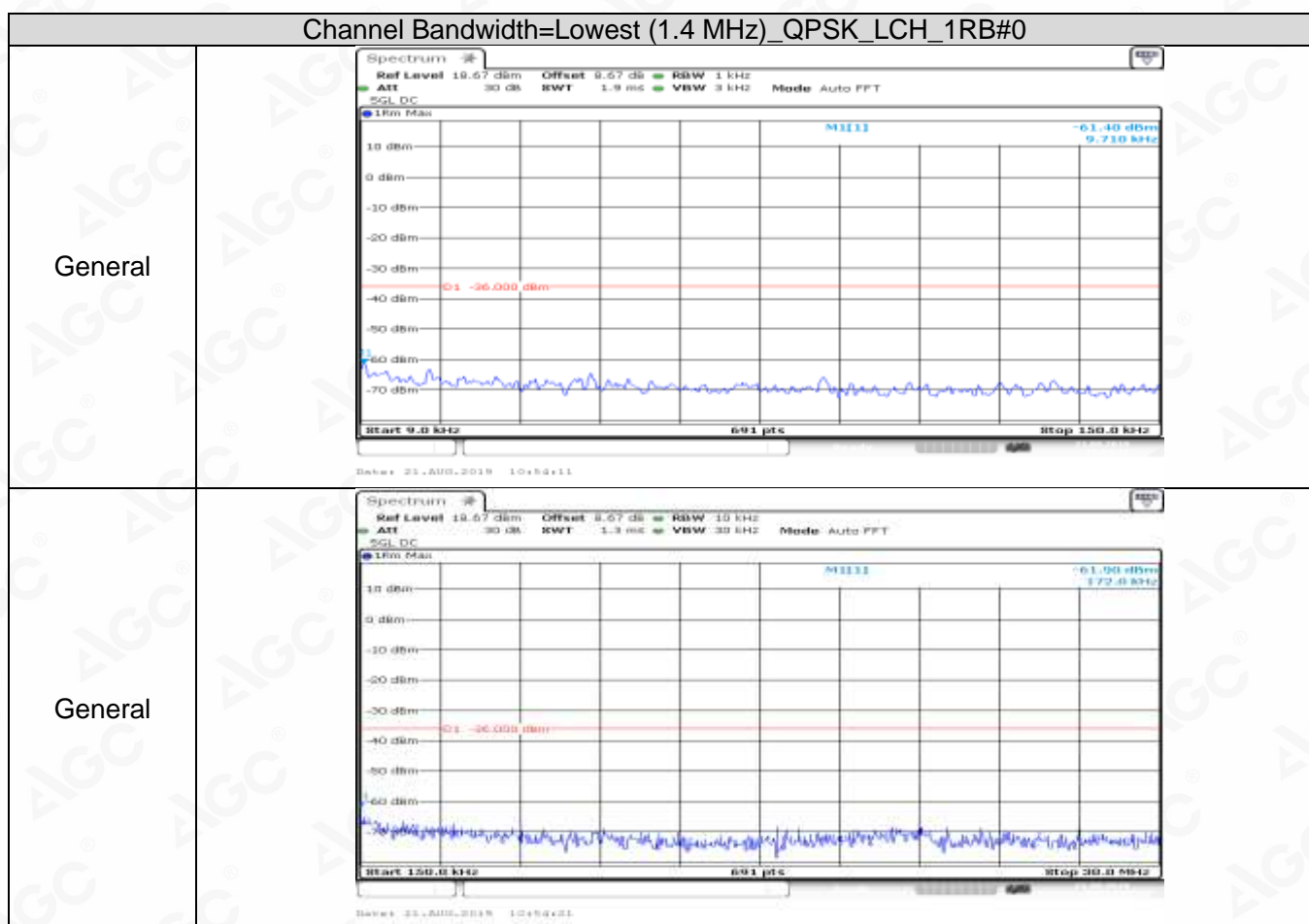
Service Hotline: 400 089 2118

			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

## Test Graphs

NTNV

Channel Bandwidth=Lowest (1.4 MHz)



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

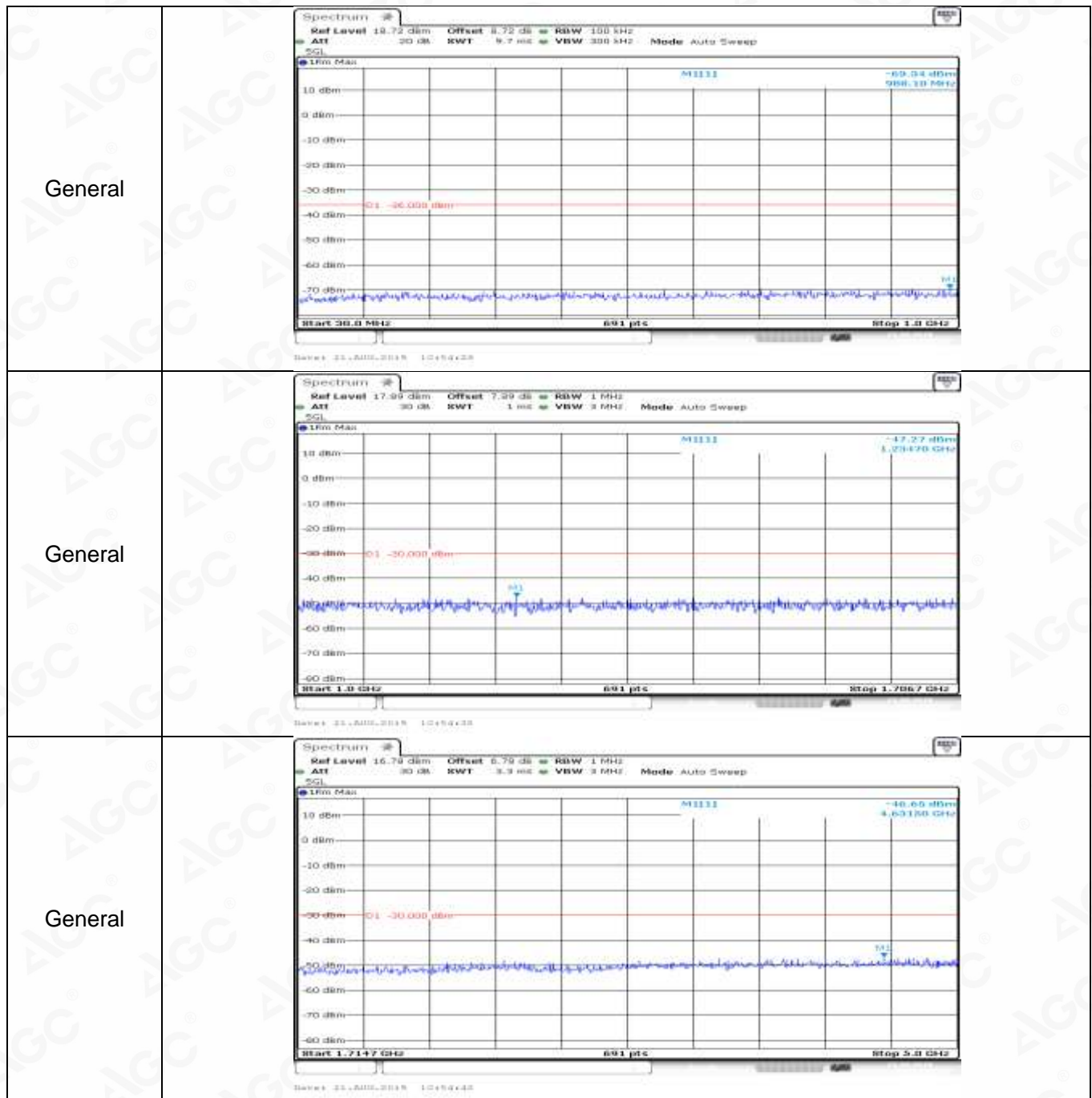
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

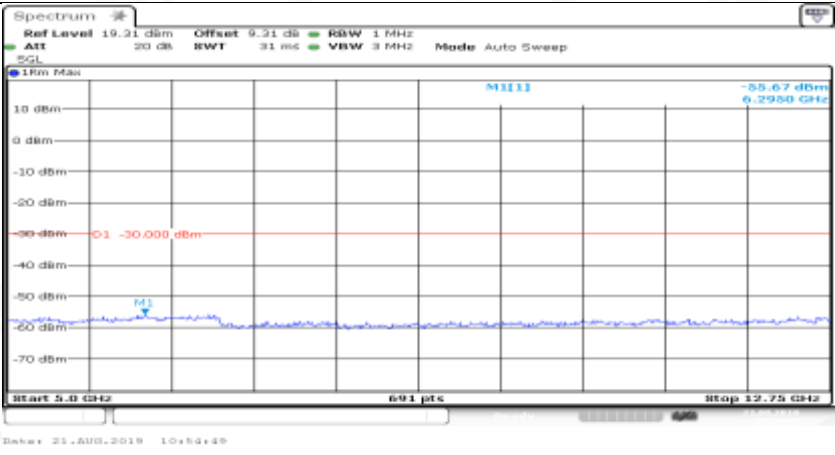
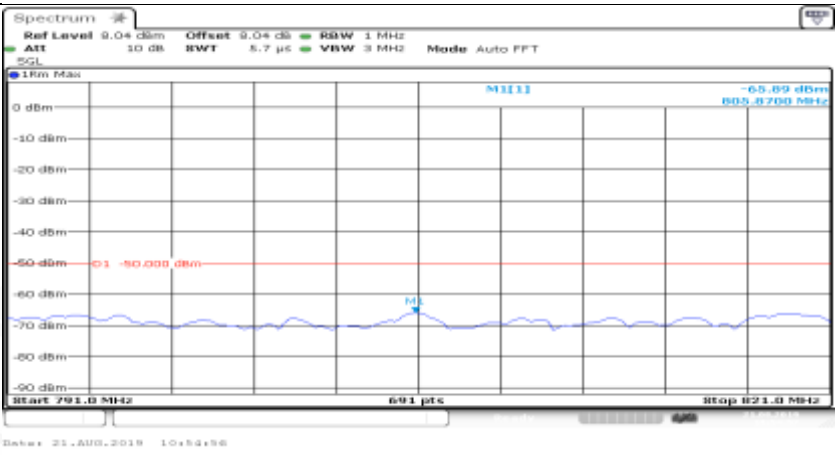
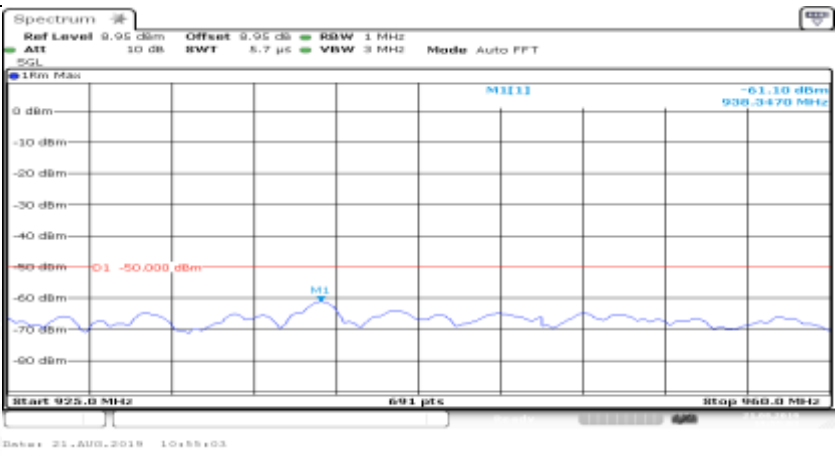
Tel: +86-755 2523 4088

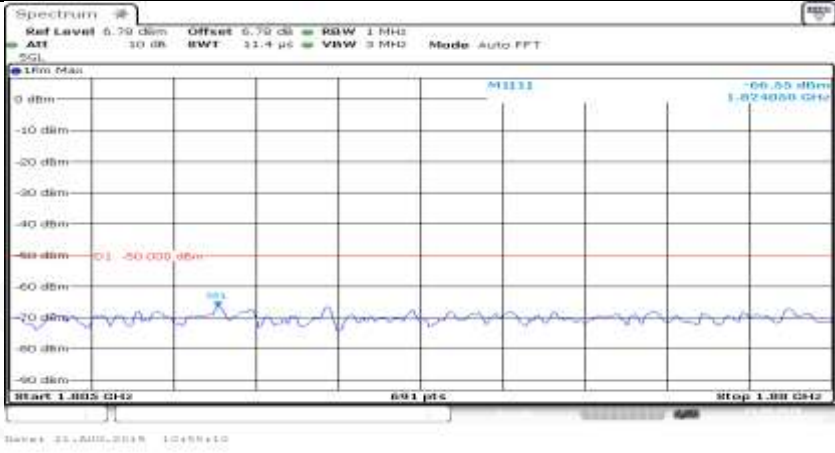
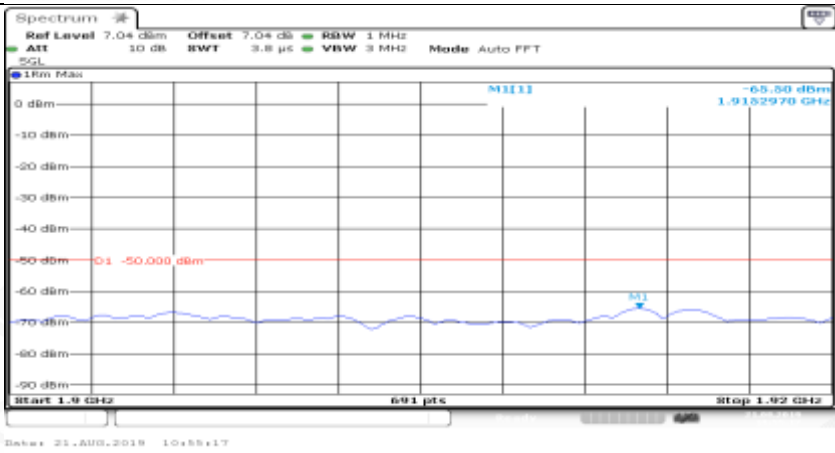
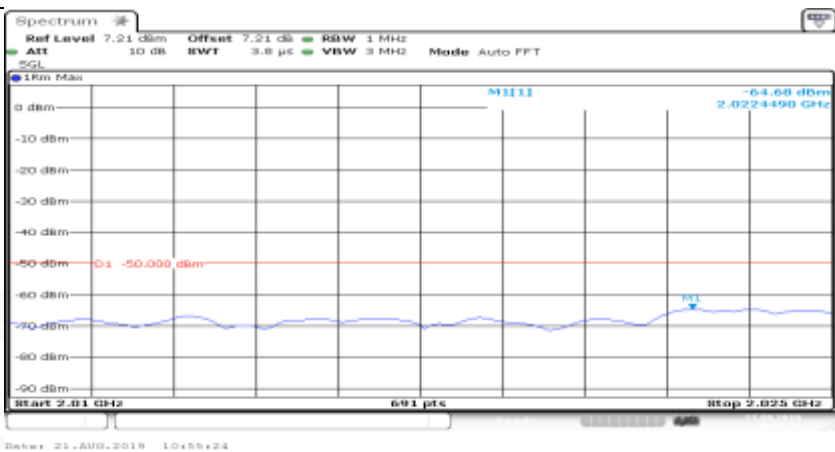
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

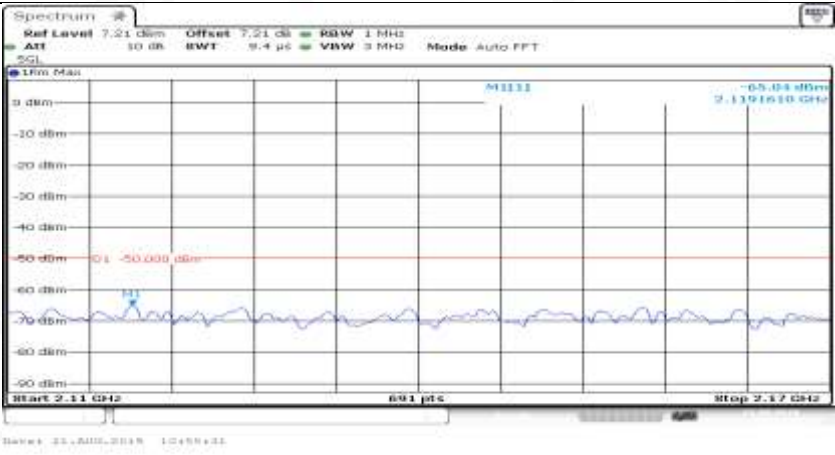
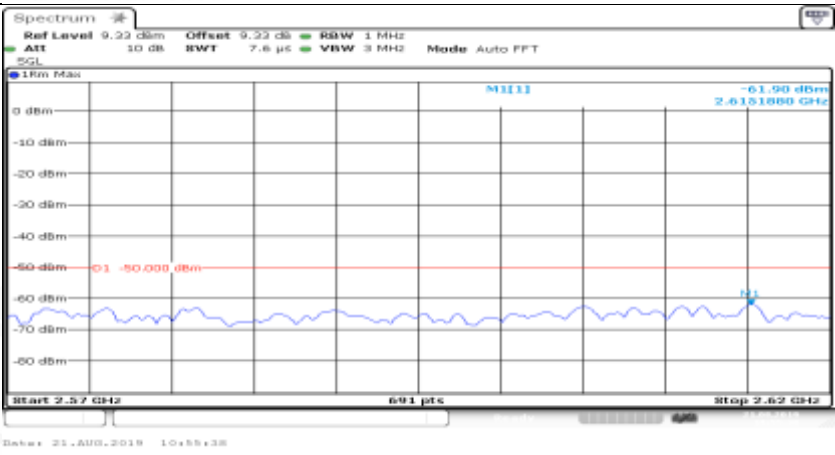




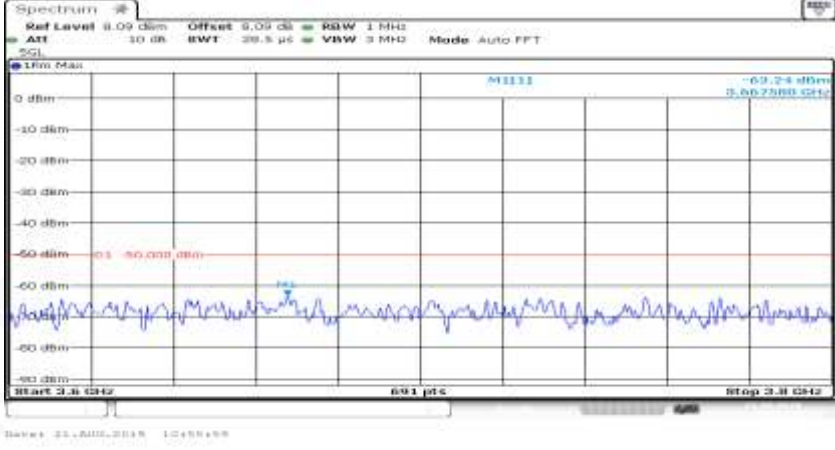


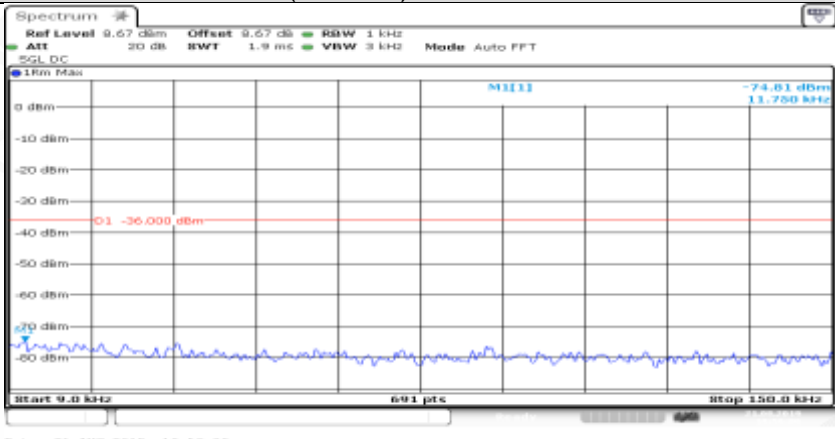
General	
Co-existence	
Co-existence	

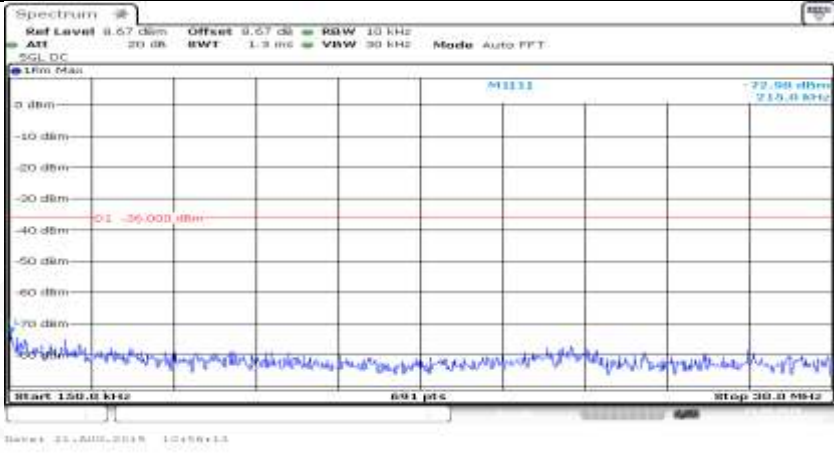
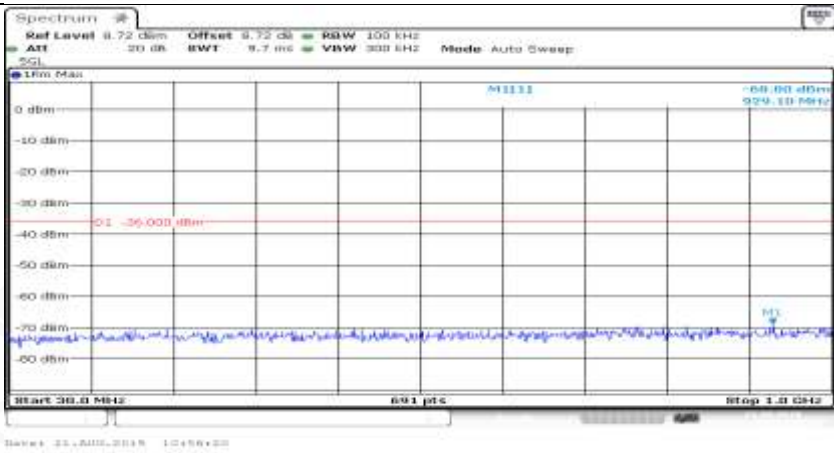
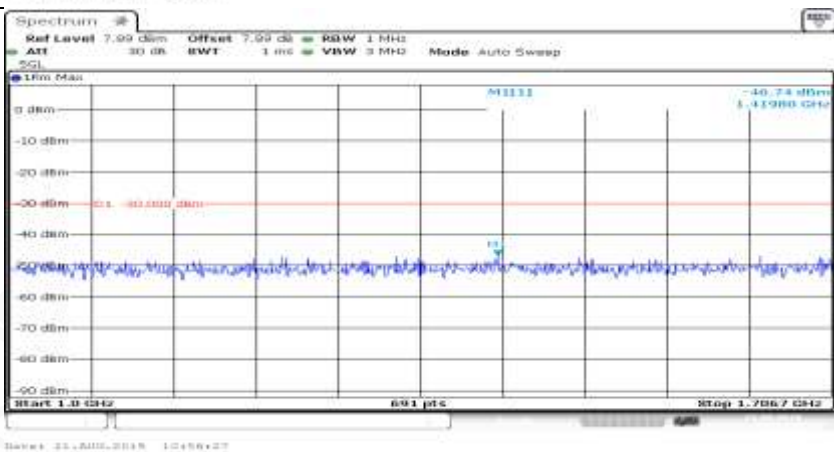
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

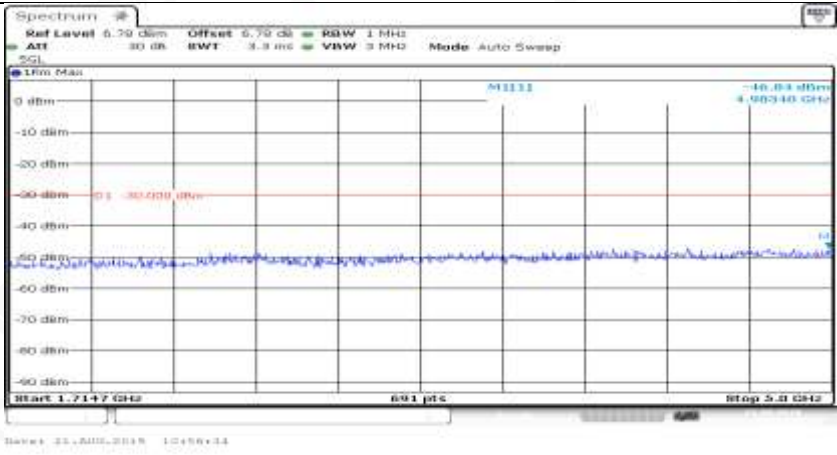
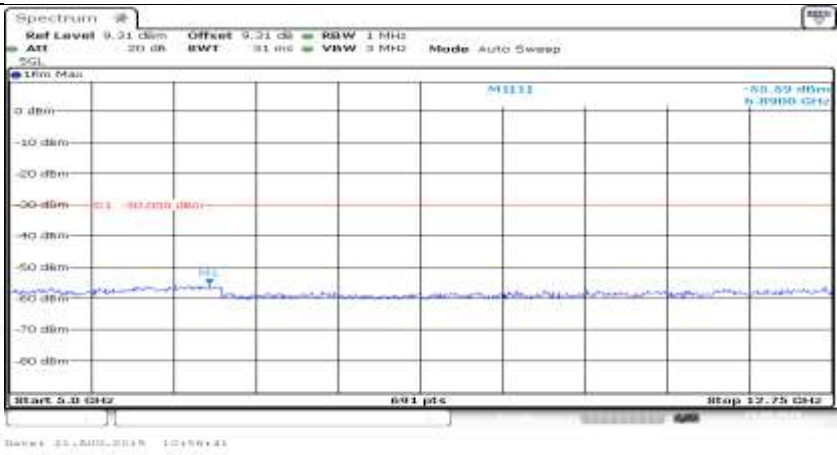
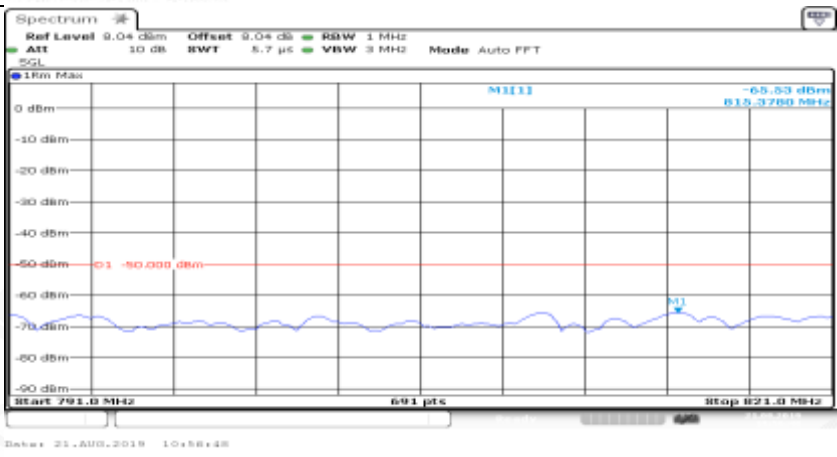
Co-existence	
Co-existence	
Additional	NA

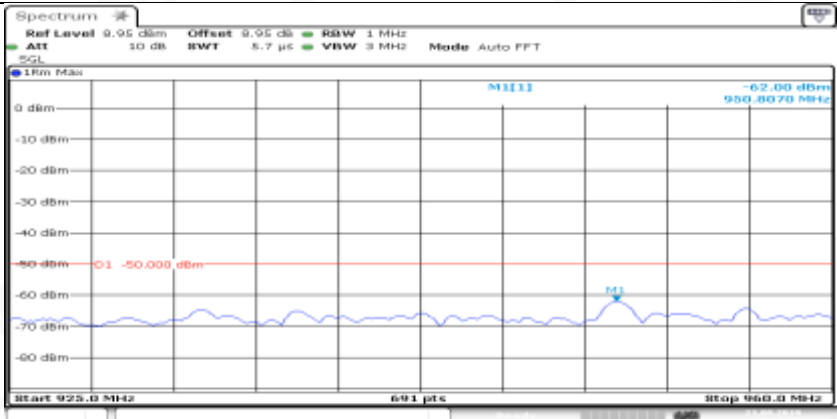

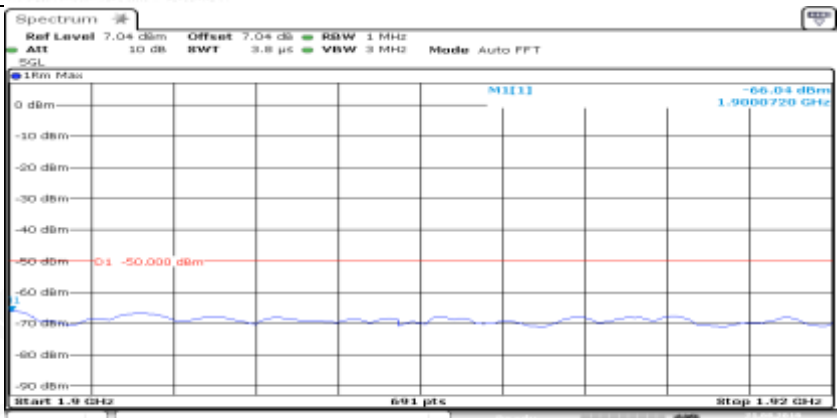
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_1RB#max	
General	

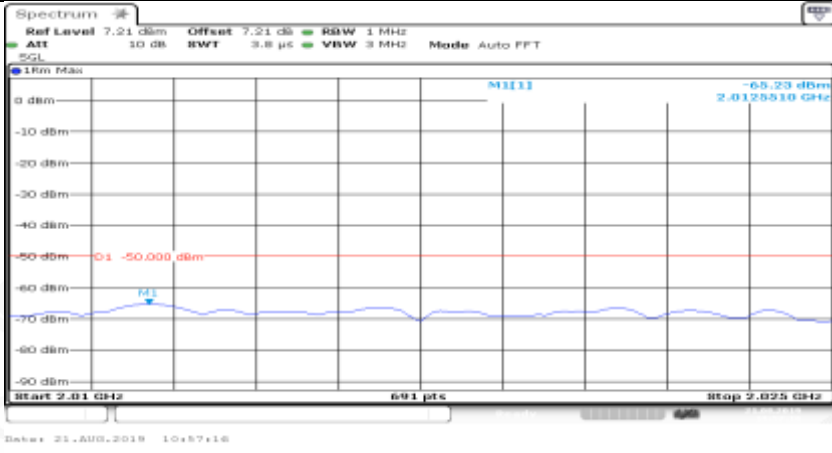

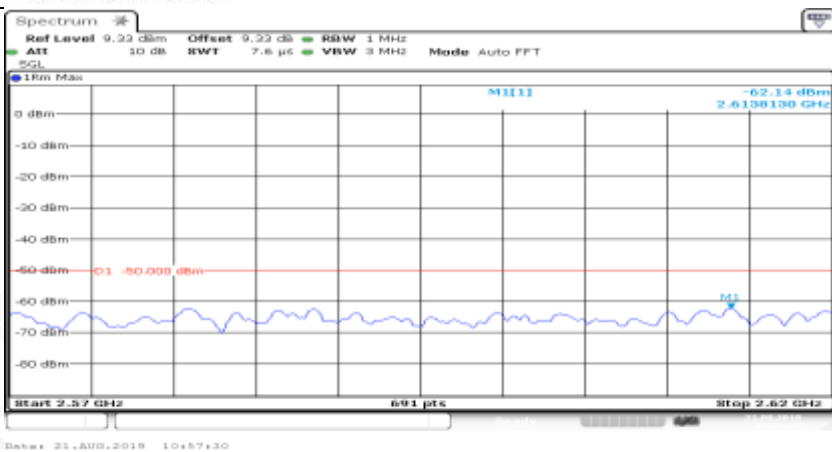
General	
General	
General	




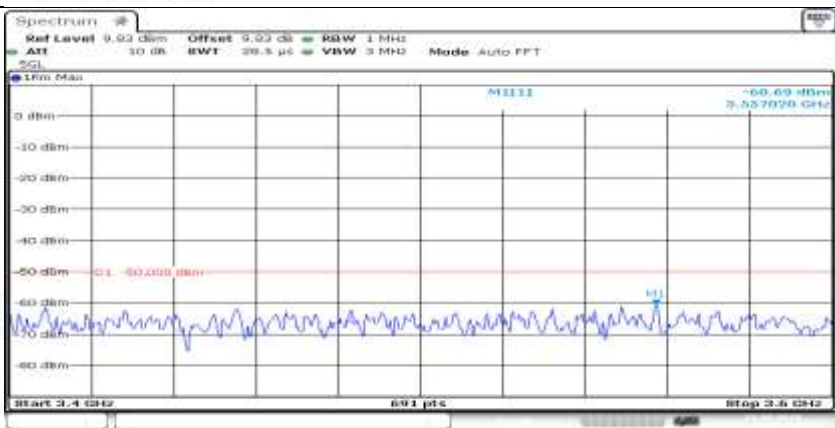
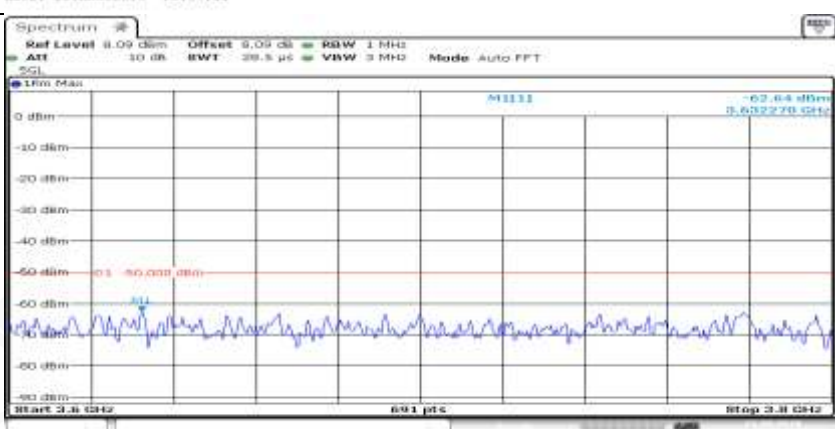


General	
General	
Co-existence	

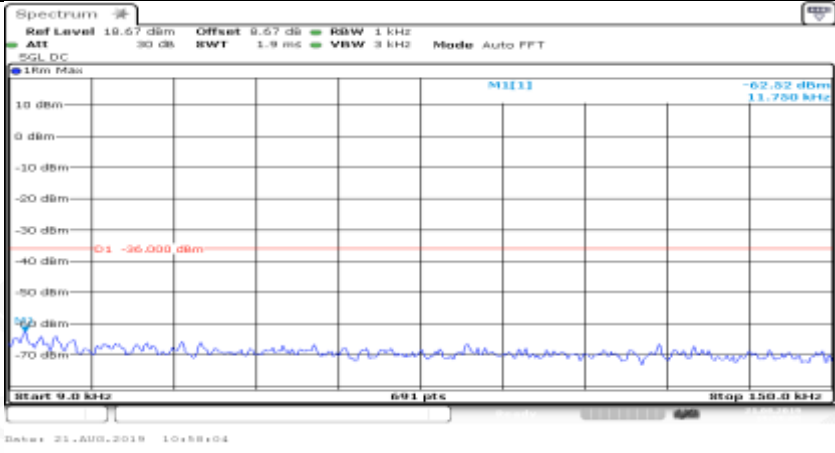
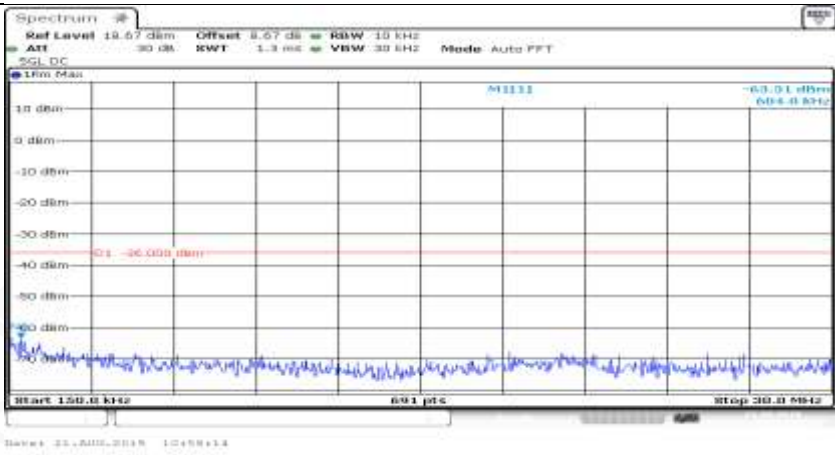

Co-existence	 <p>Start 925.0 MHz 691 pts Stop 960.0 MHz</p> <p>Date: 21.AUG.2018 10:58:55</p>
Co-existence	 <p>Start 1.005 GHz 691 pts Stop 1.018 GHz</p> <p>Date: 21.AUG.2018 10:57:22</p>
Co-existence	 <p>Start 1.9 GHz 691 pts Stop 1.92 GHz</p> <p>Date: 21.AUG.2018 10:57:09</p>

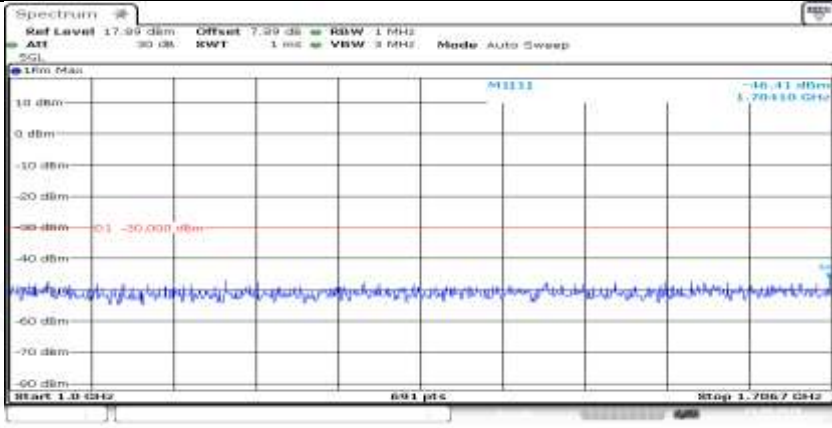

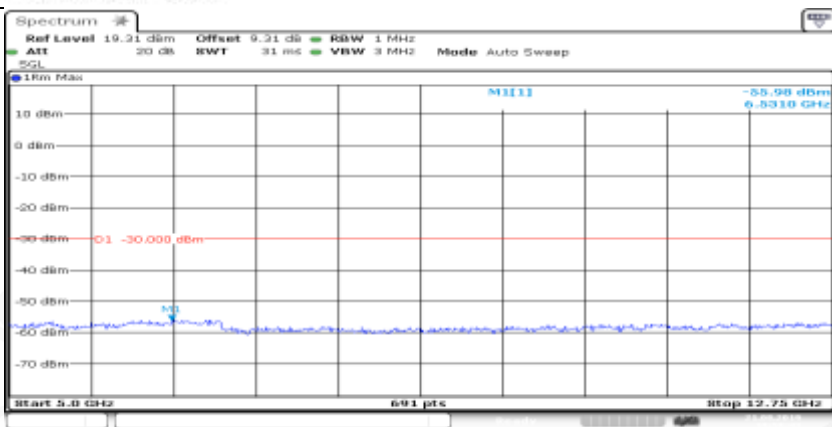
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA

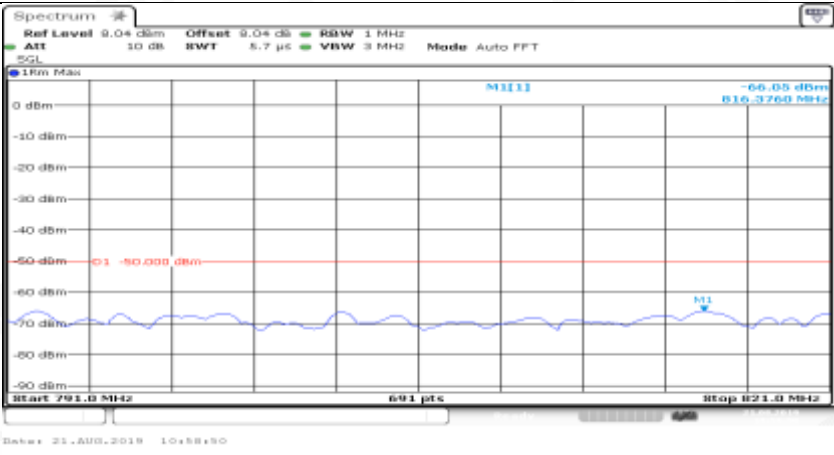
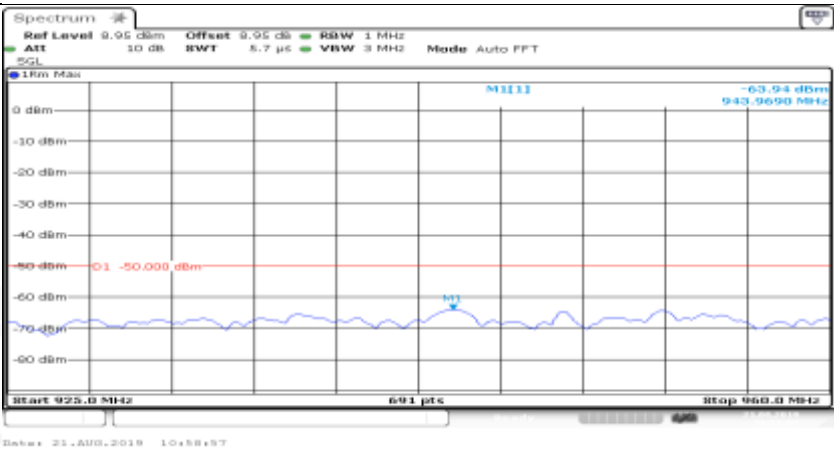

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_FullRB#0

General	
General	
General	

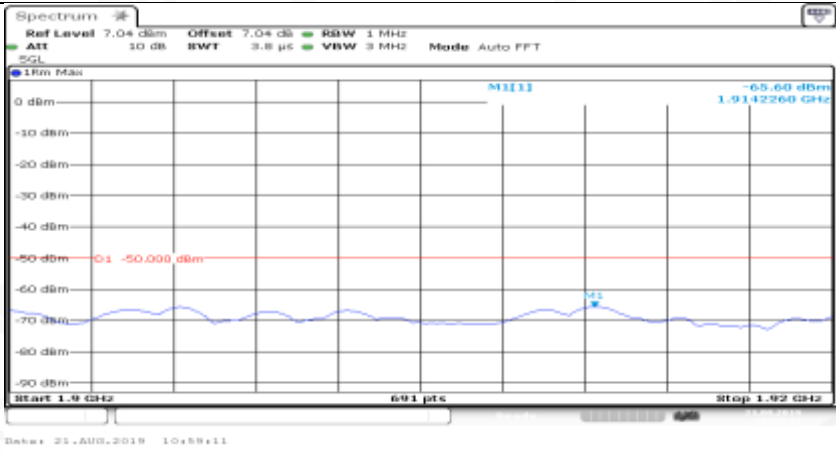
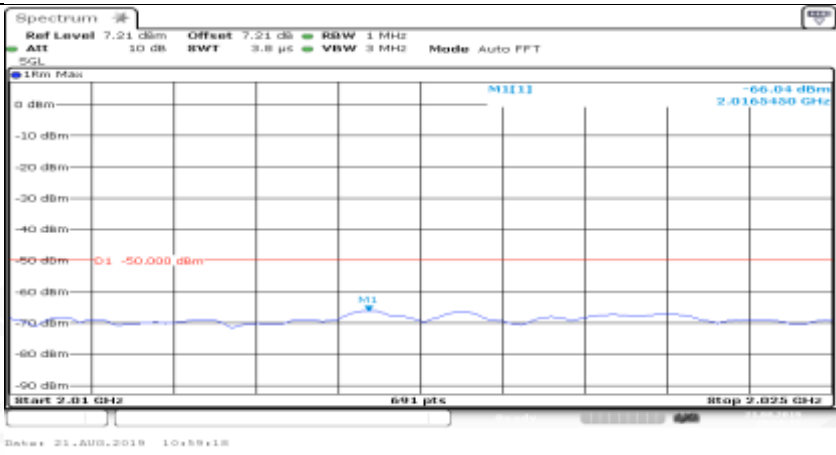

General	
General	
General	



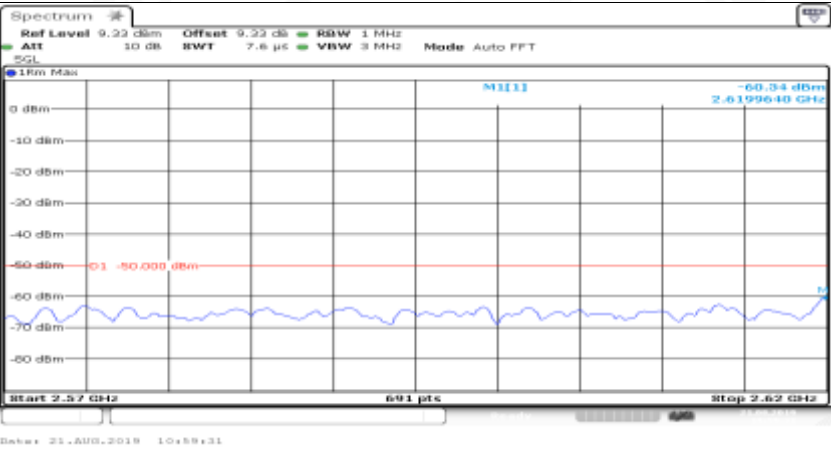
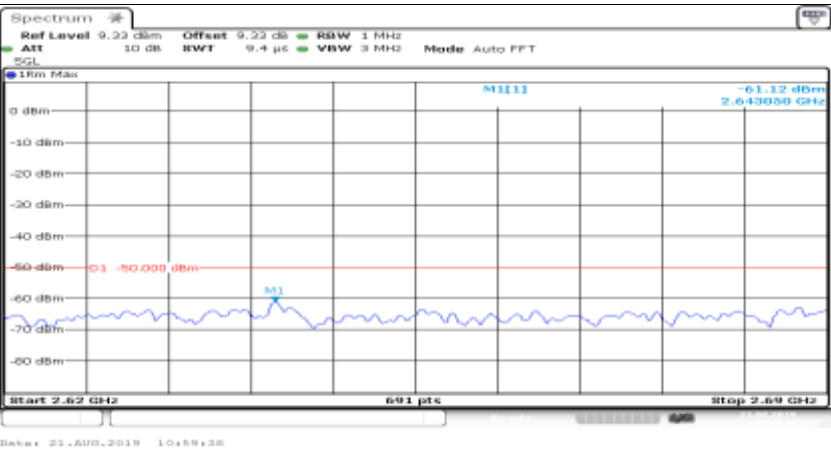



Co-existence	
Co-existence	
Co-existence	



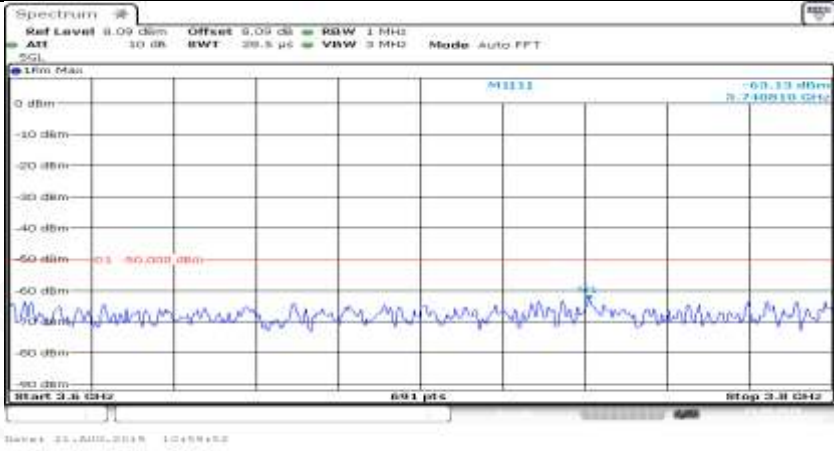
Co-existence	
Co-existence	
Co-existence	



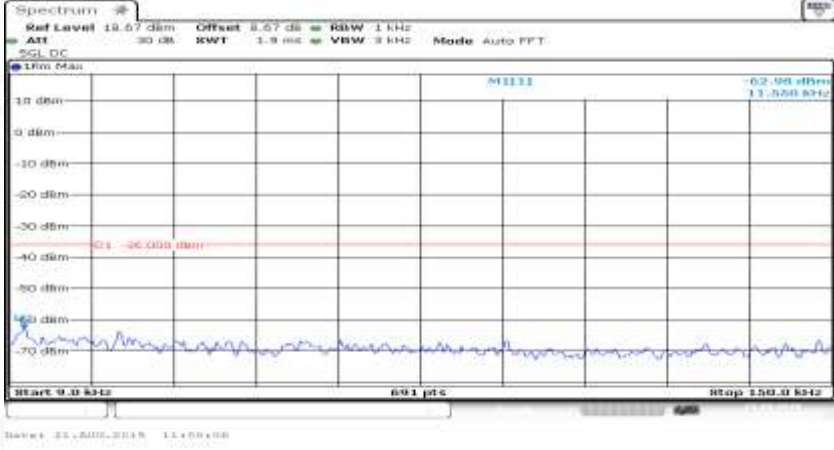
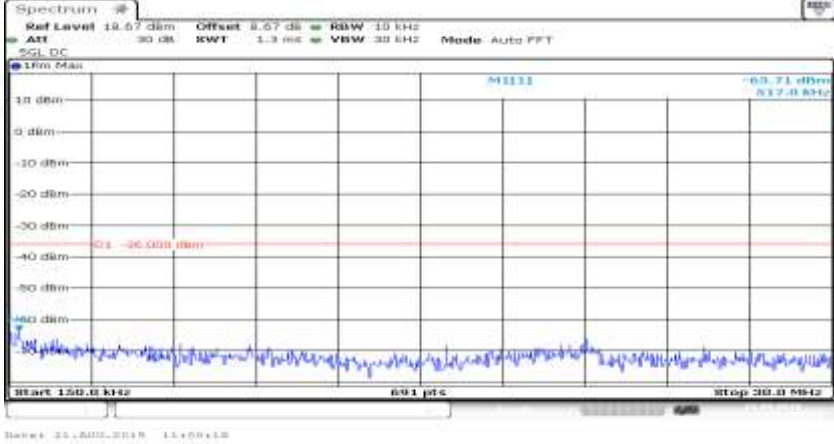
Co-existence	
Co-existence	
Co-existence	



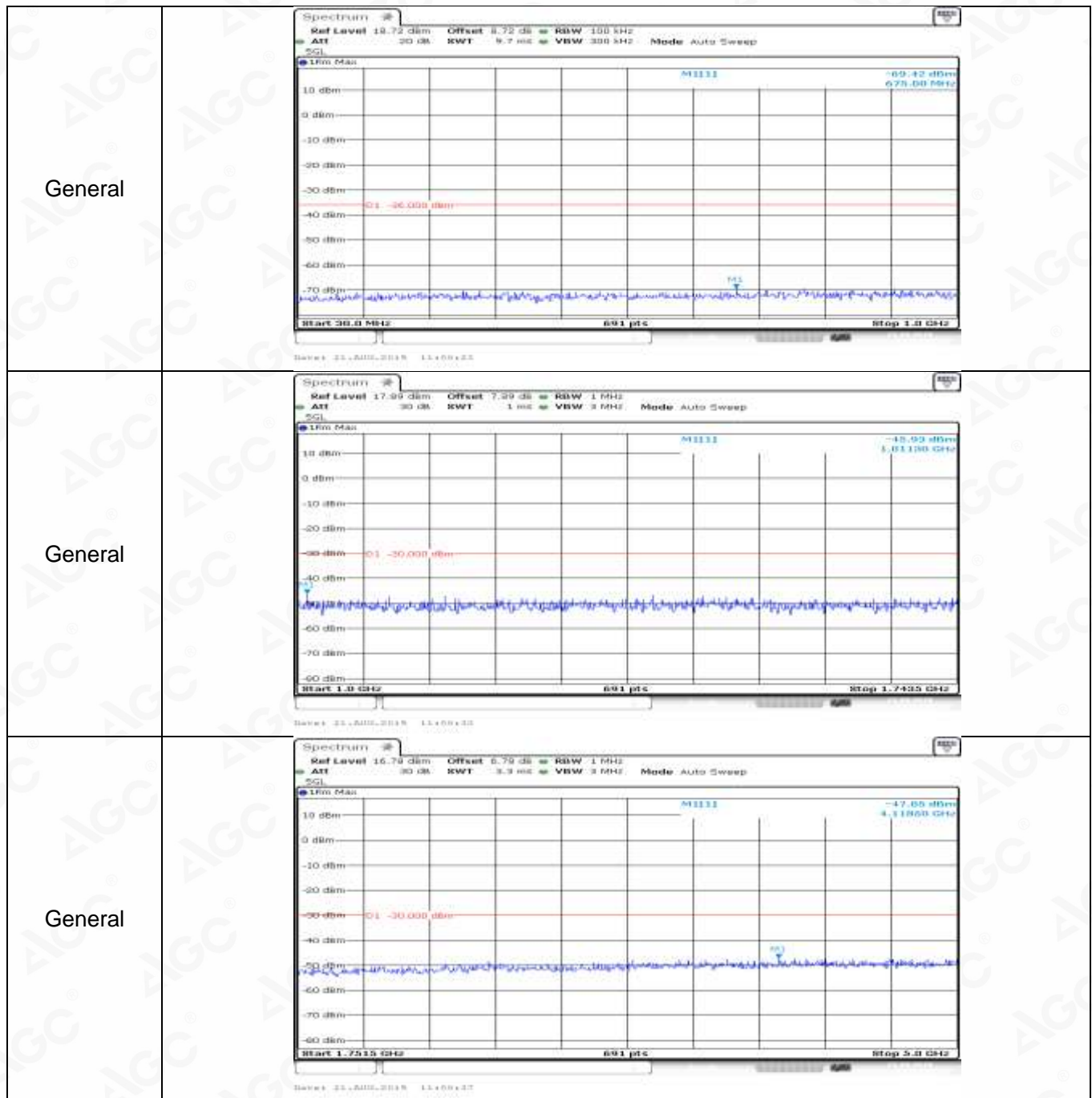


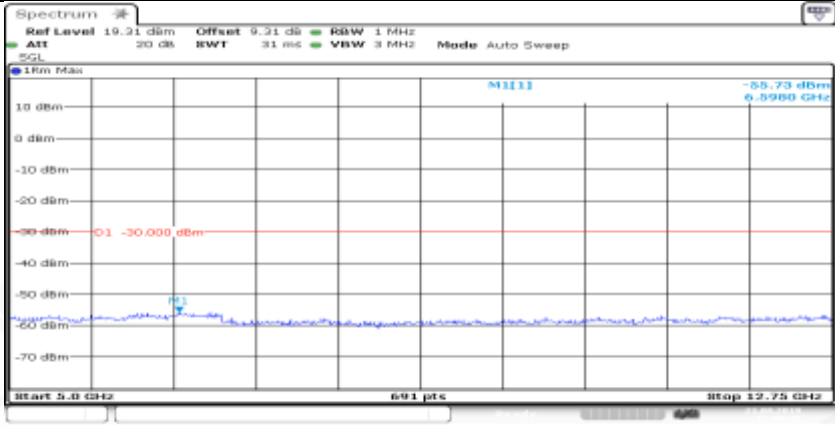

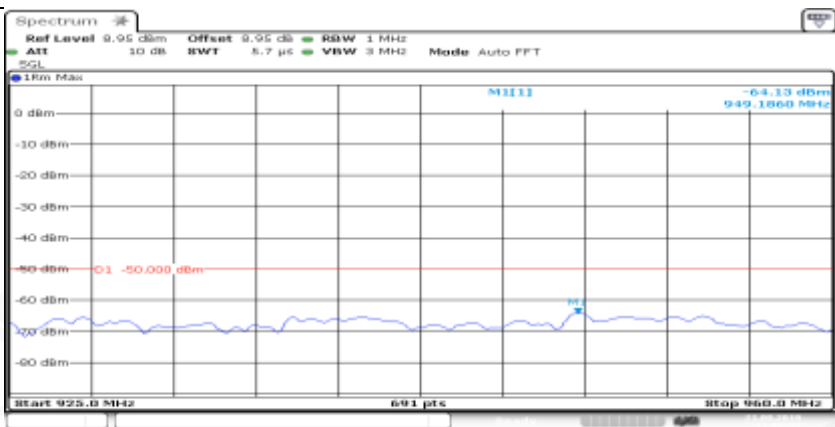
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#0


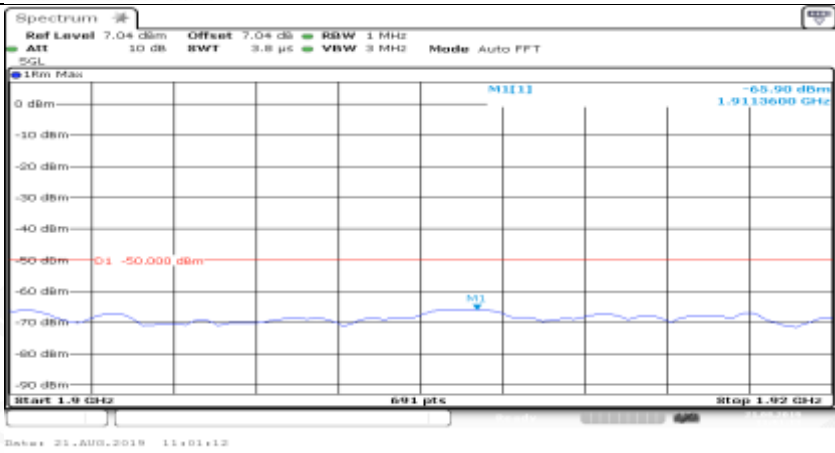
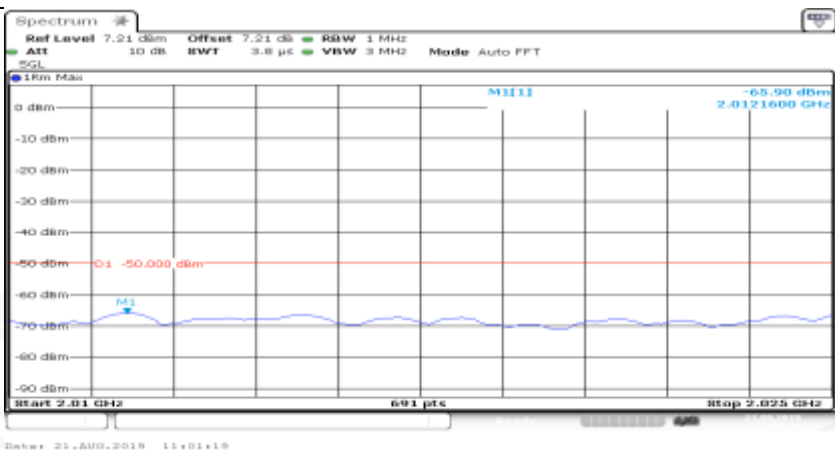
General	
General	


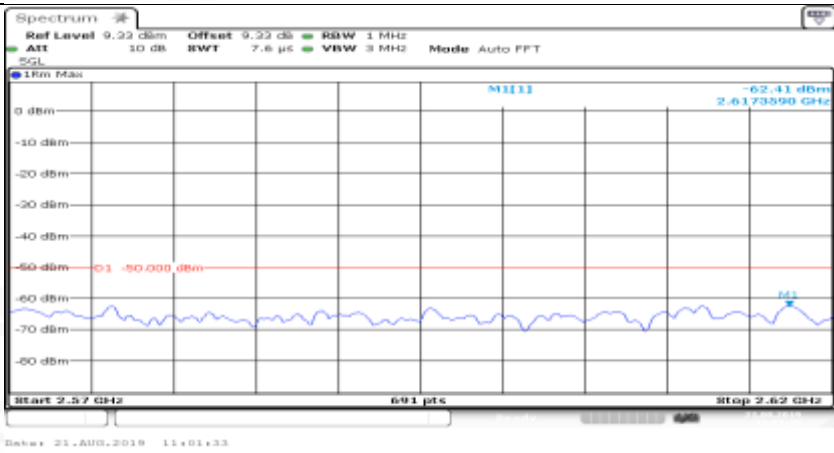
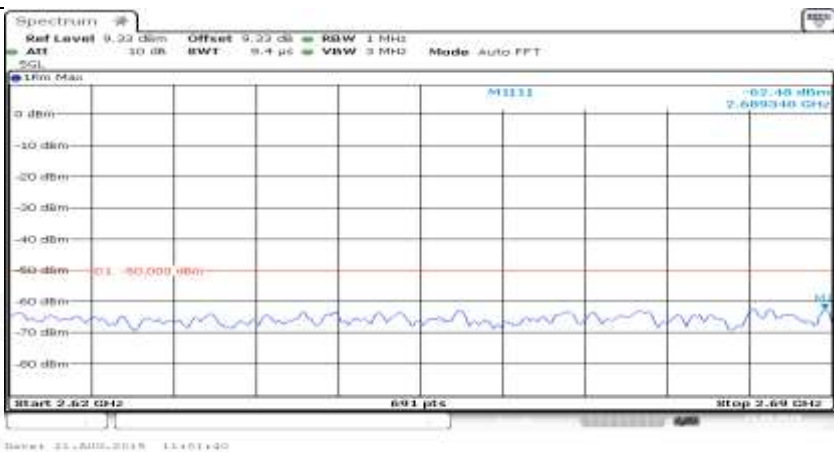




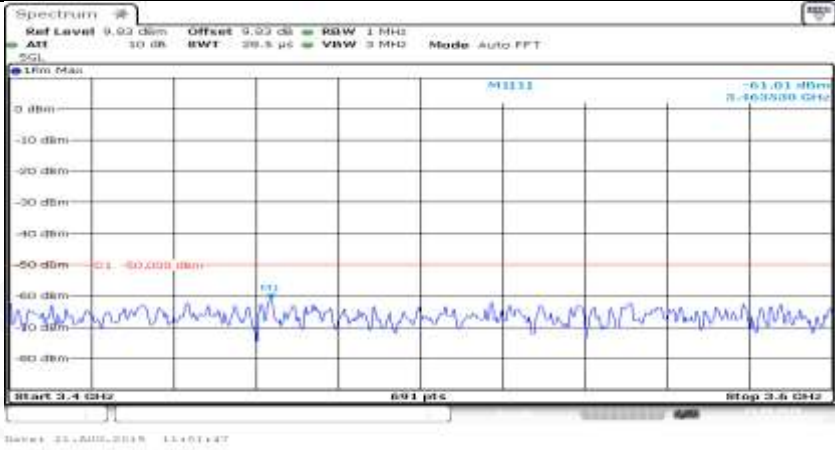
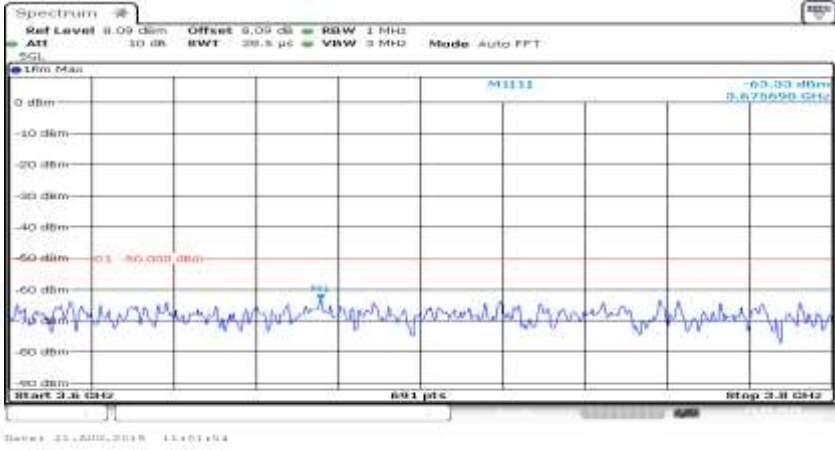
General	
Co-existence	
Co-existence	

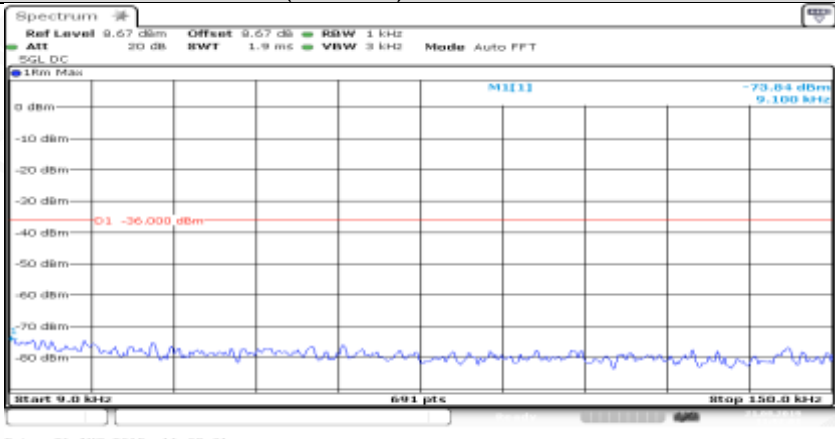


Co-existence	
Co-existence	
Co-existence	

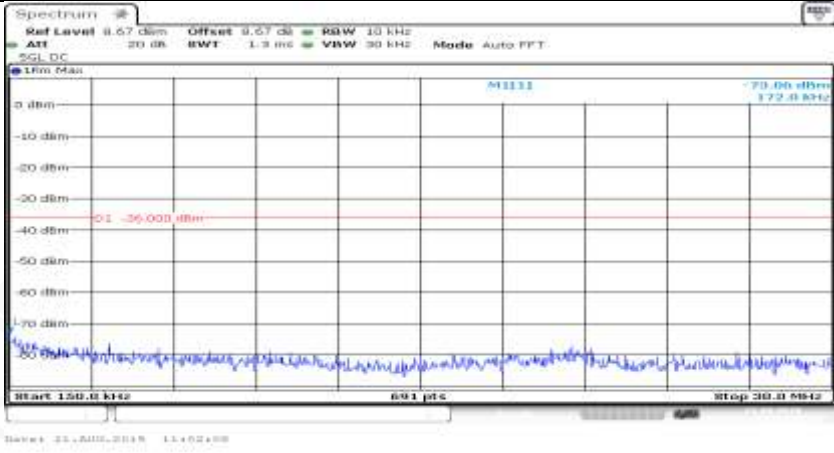
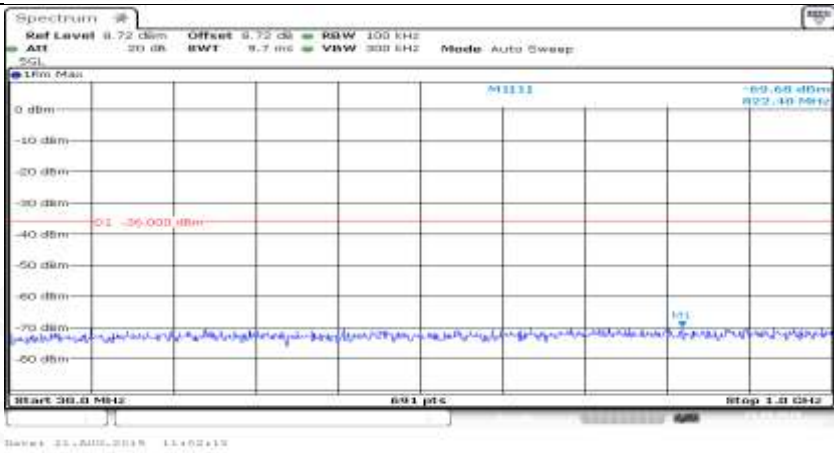
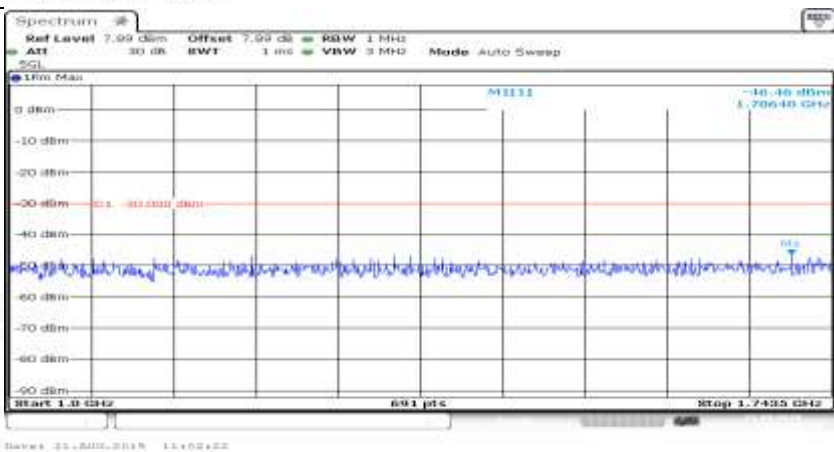
Co-existence	
Co-existence	
Co-existence	



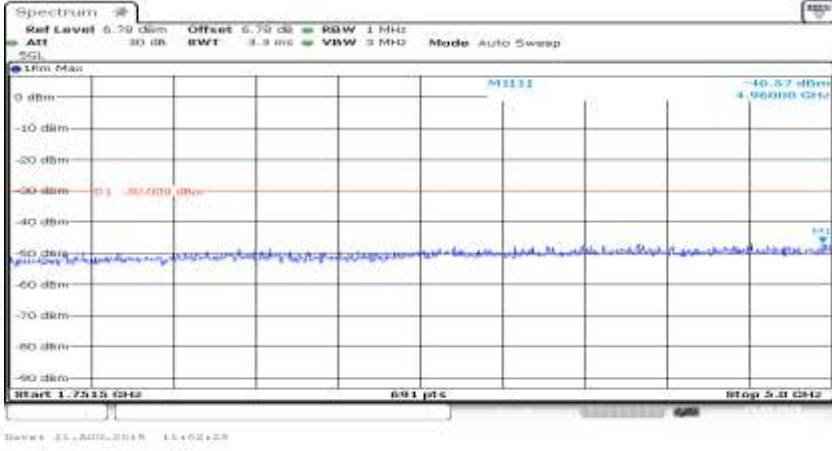
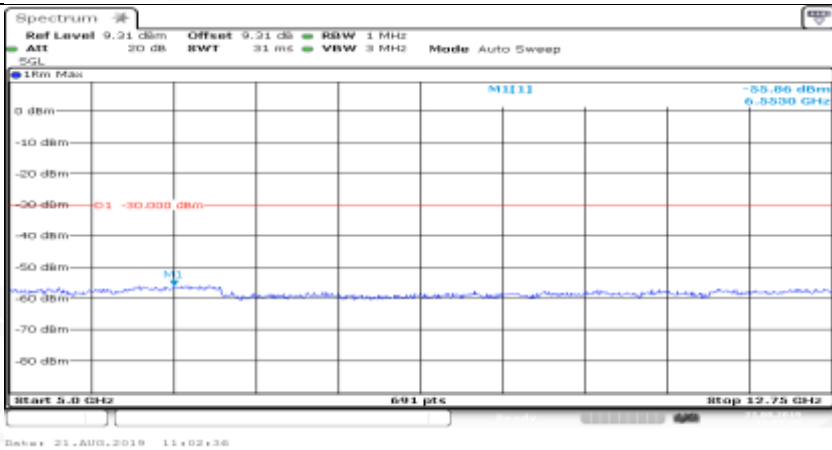
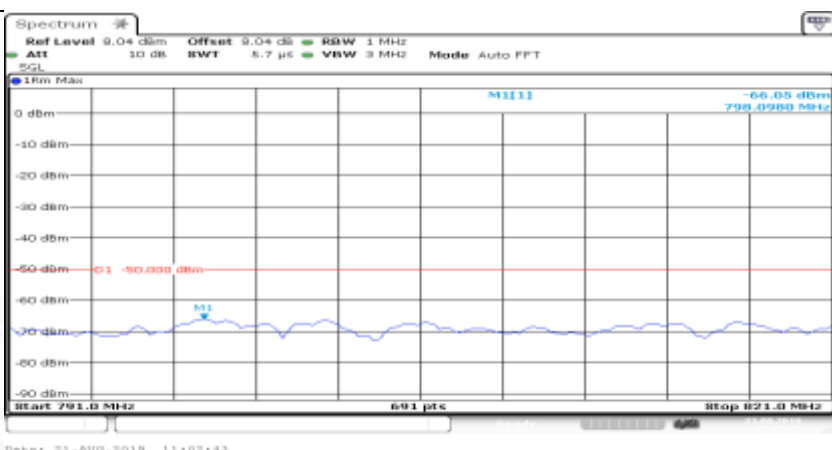
Co-existence	
Co-existence	
Additional	NA

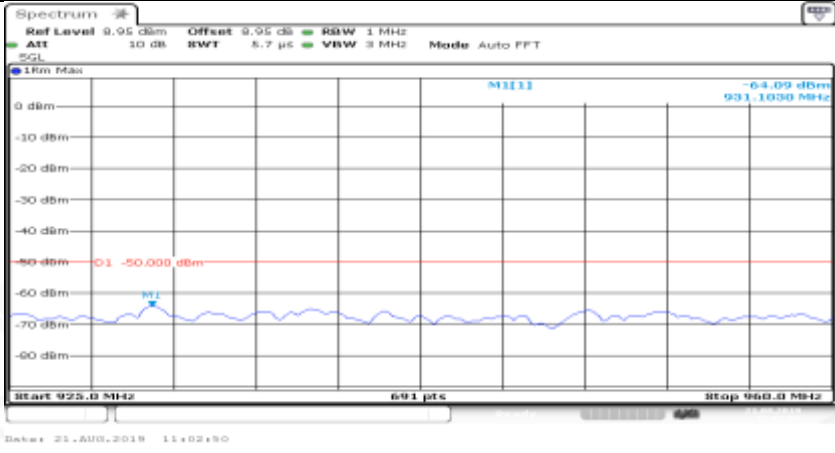

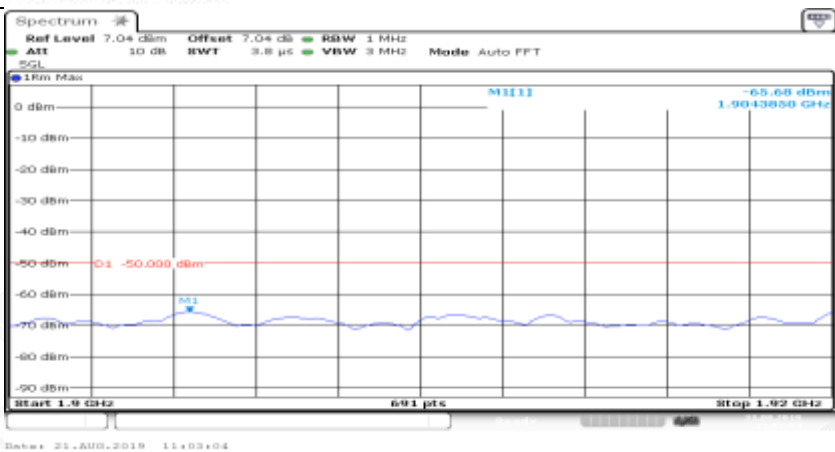
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_1RB#max	
General	



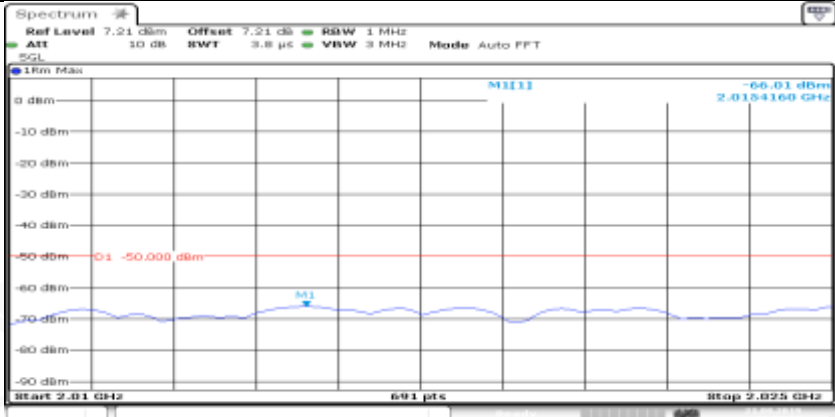

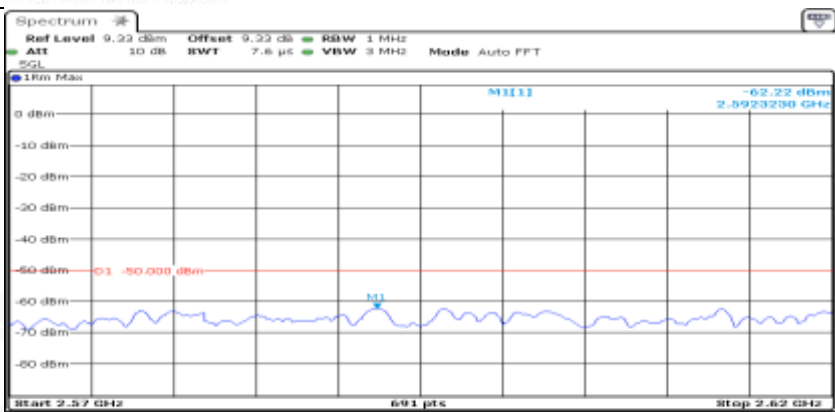
General	
General	
General	

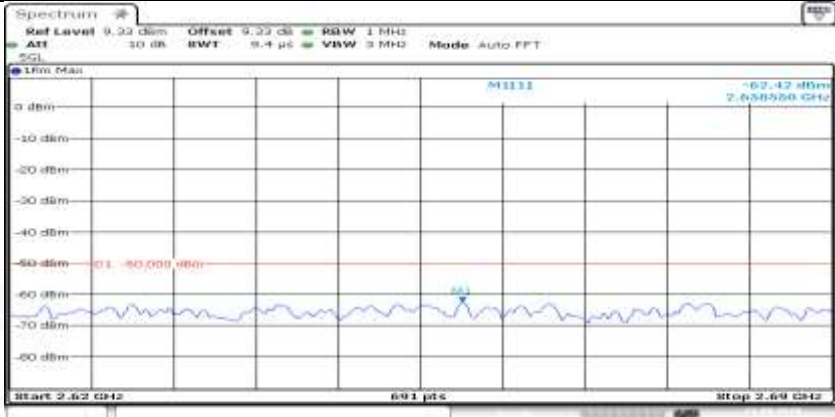
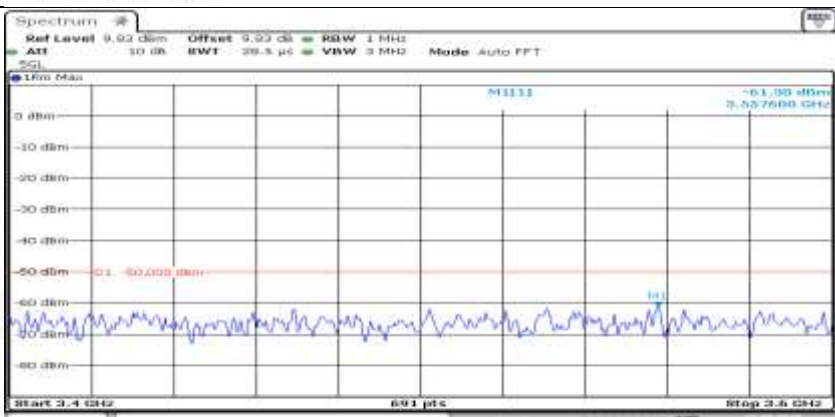



General	
General	
Co-existence	

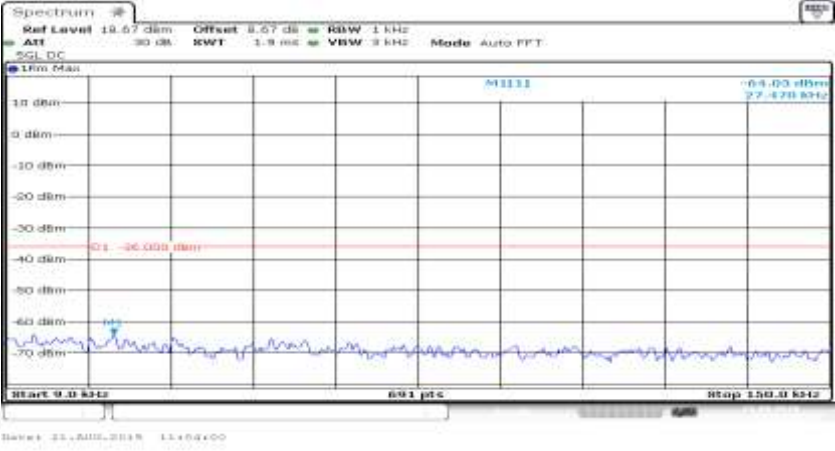
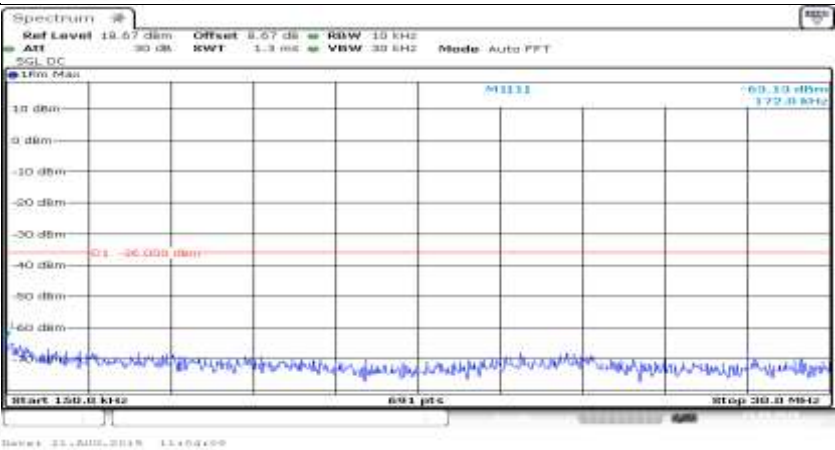

Co-existence	
Co-existence	
Co-existence	



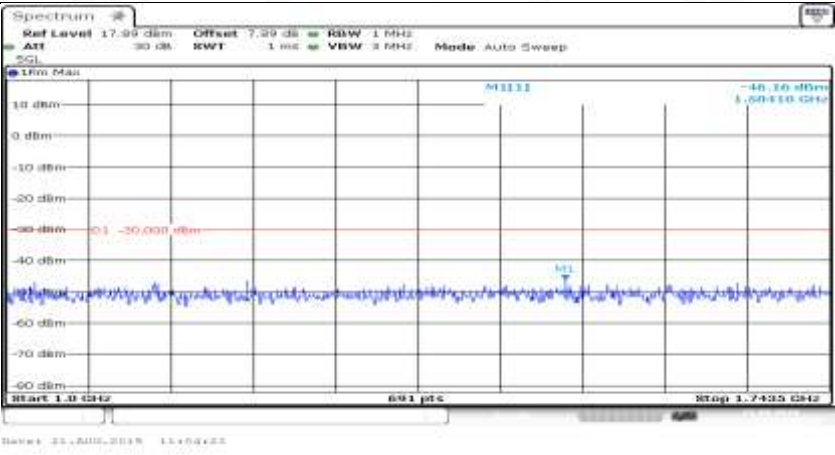
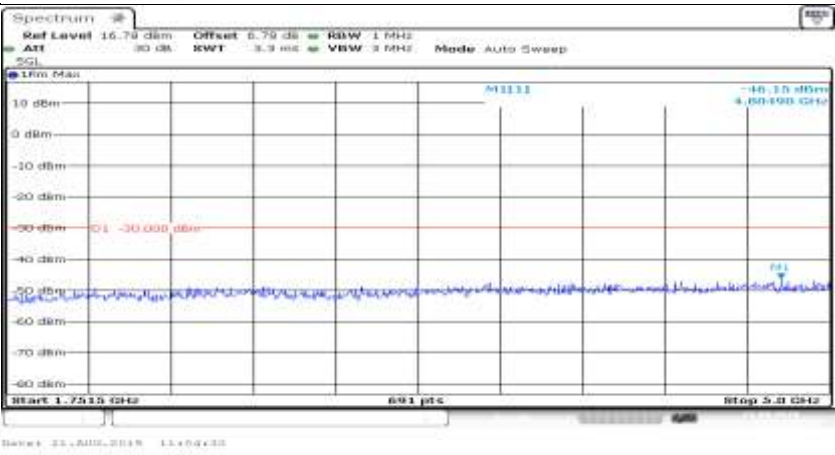
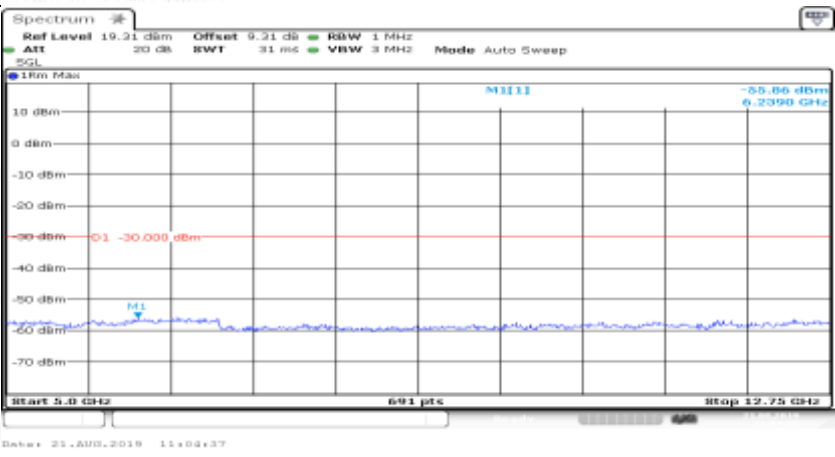
Co-existence	 <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>Date: 21.AUG.2018 11:03:11</p>
Co-existence	 <p>Start 2.11 GHz Stop 2.12 GHz</p> <p>Date: 21.AUG.2018 11:03:12</p>
Co-existence	 <p>Start 2.57 GHz Stop 2.58 GHz</p> <p>Date: 21.AUG.2018 11:03:29</p>

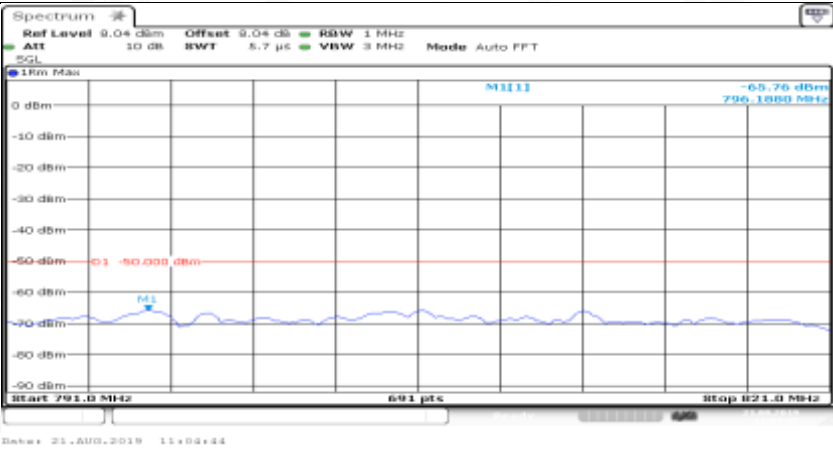
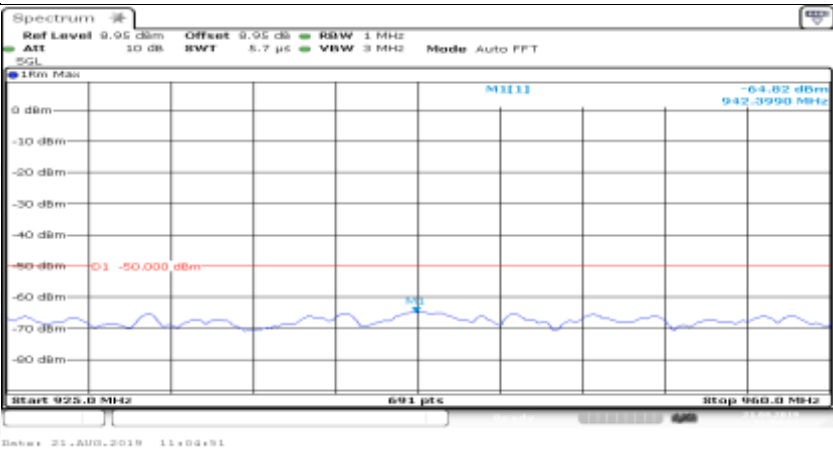

Co-existence	
Co-existence	
Co-existence	
Additional	NA

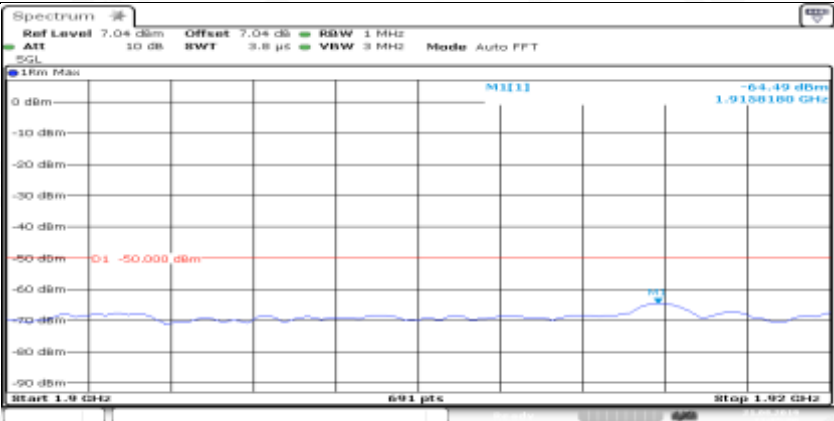
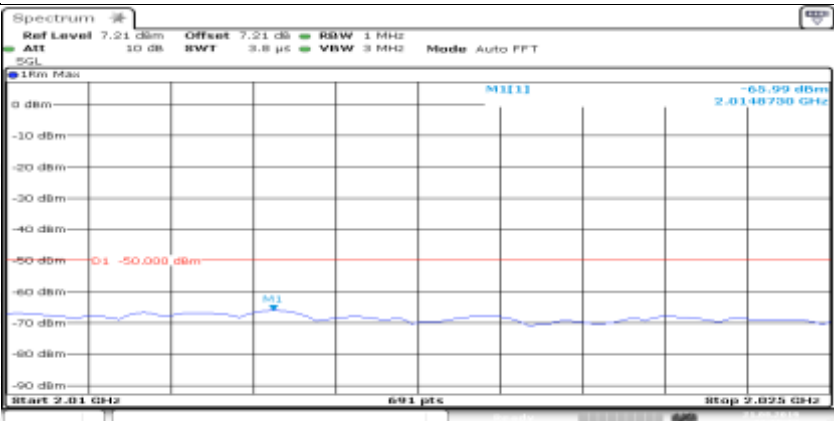

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_FullRB#0

General	
General	
General	



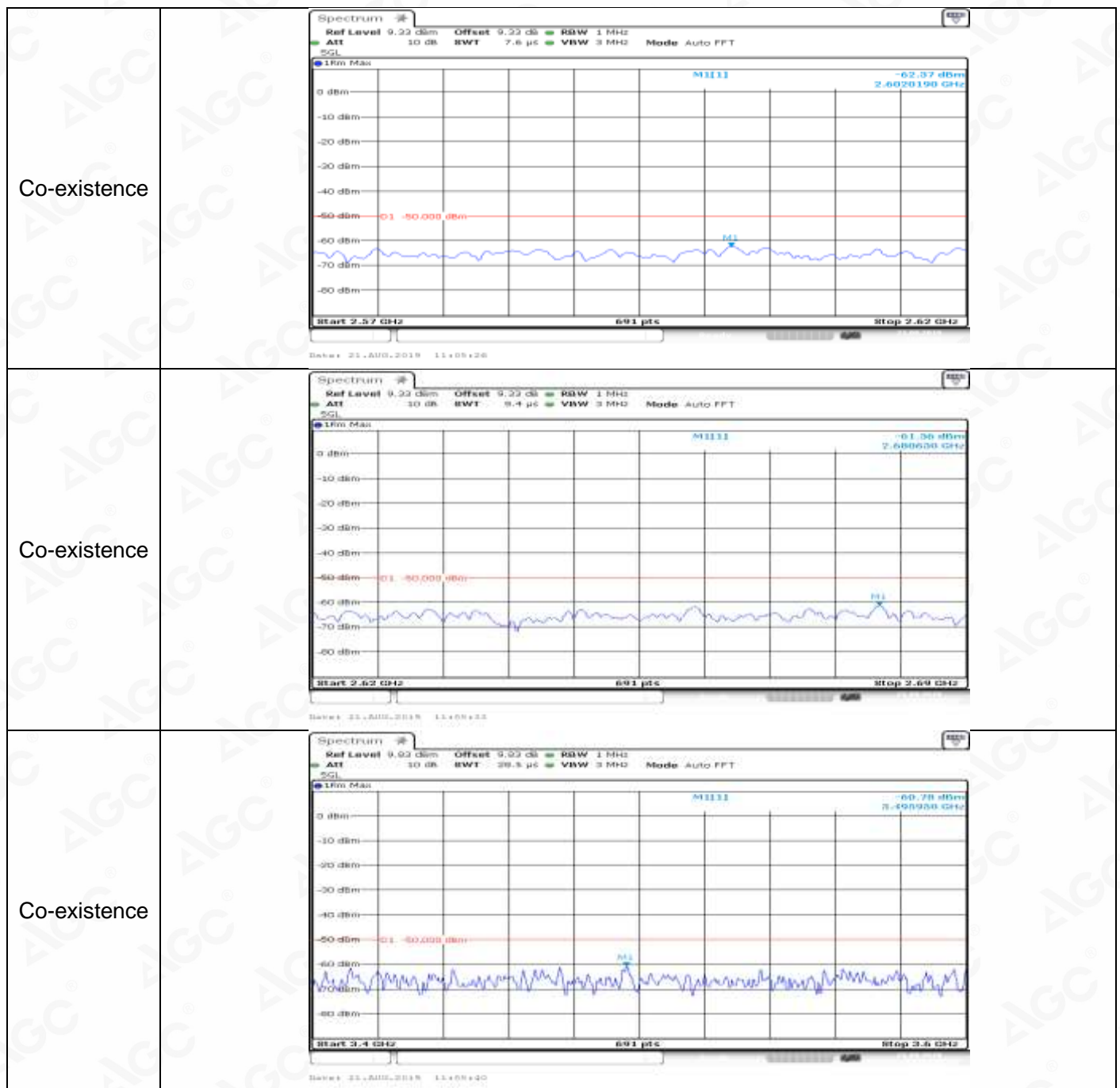
General	
General	
General	

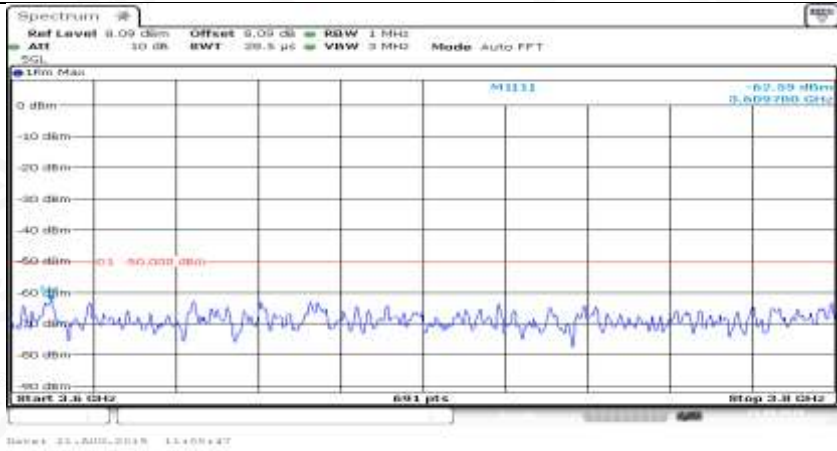
Co-existence	
Co-existence	
Co-existence	

Co-existence	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB RBW 1 MHz ATT 10 dB BW 3.8 MHz Mode Auto FFT</p> <p>1.9158188 GHz -64.49 dBm</p> <p>Start 1.9 GHz Stop 1.92 GHz</p> <p>Date: 21.AUG.2019 11:05:09</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 MHz Mode Auto FFT</p> <p>2.0148730 GHz -65.99 dBm</p> <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>Date: 21.AUG.2019 11:05:12</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 MHz Mode Auto FFT</p> <p>2.1353480 GHz -65.62 dBm</p> <p>Start 2.13 GHz Stop 2.17 GHz</p> <p>Date: 21.AUG.2019 11:05:19</p>

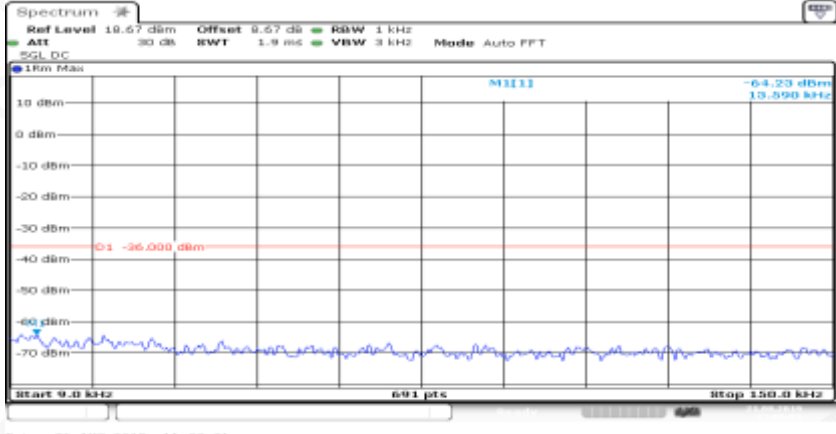
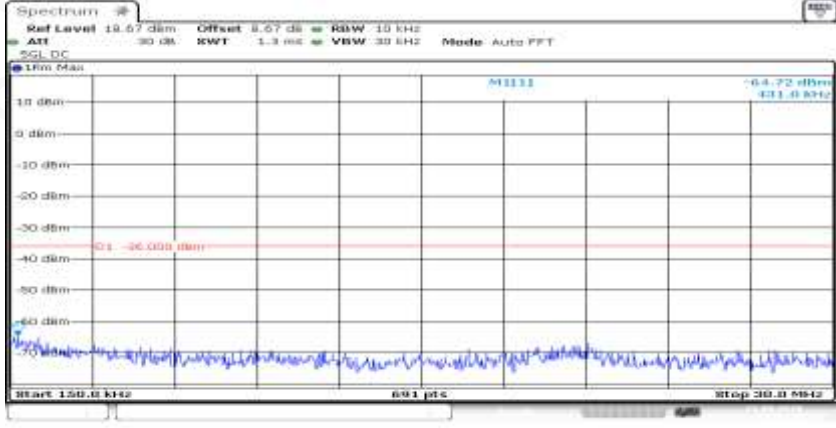


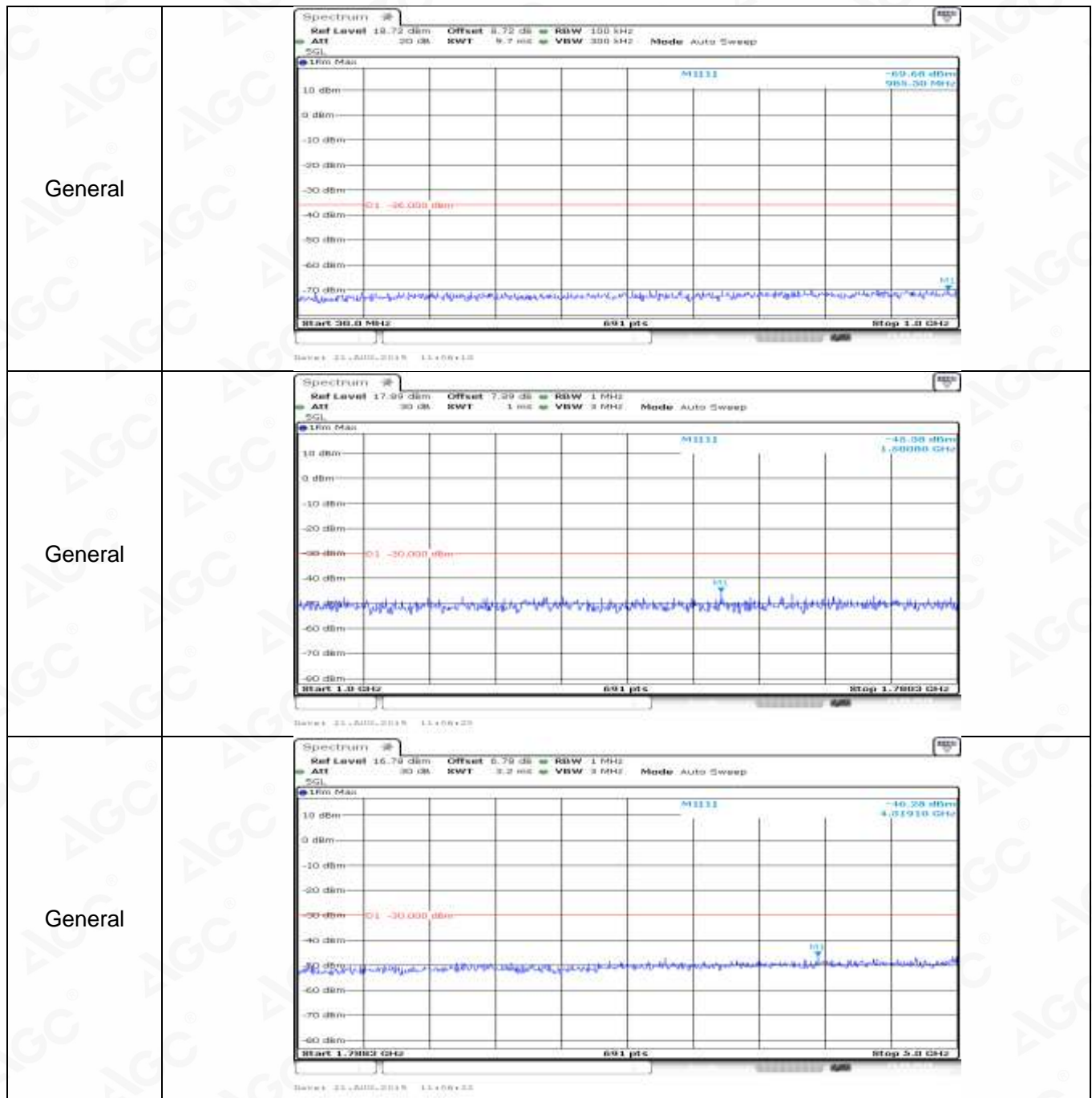




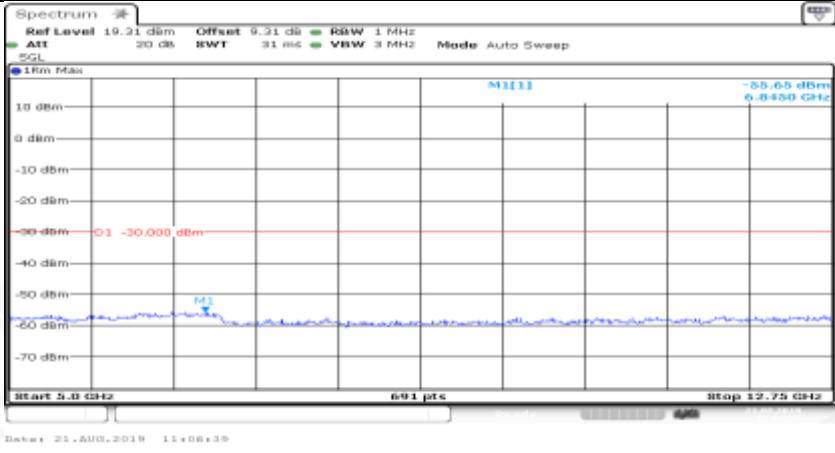
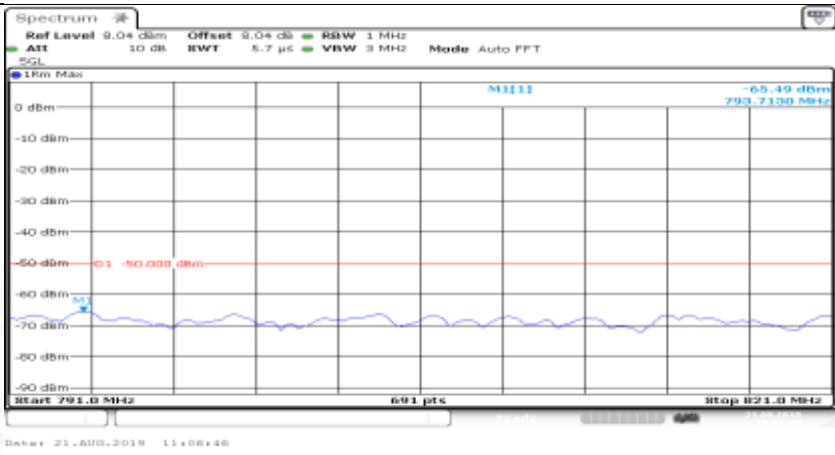
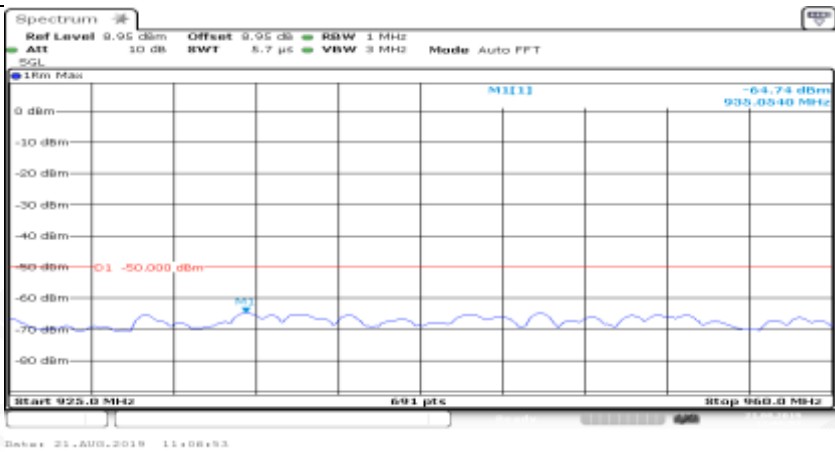
Co-existence	
Additional	NA

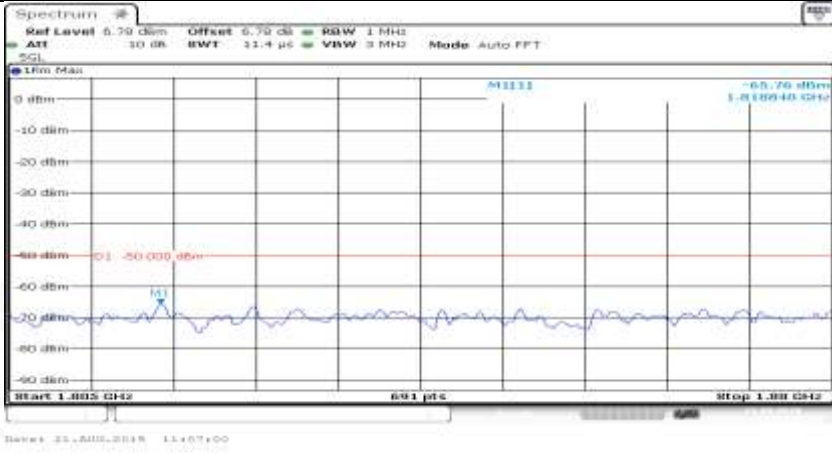
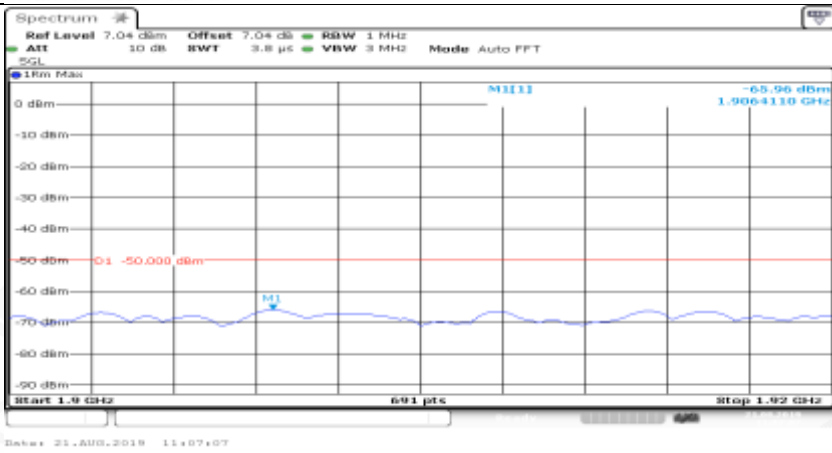
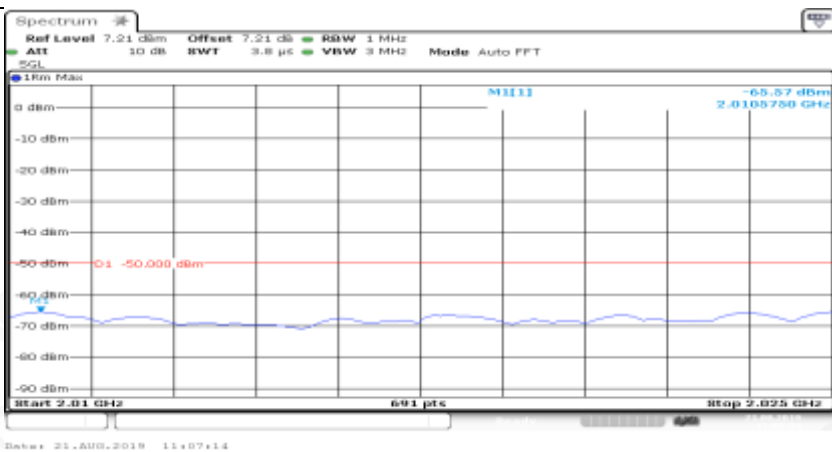
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_1RB#0

General	
General	

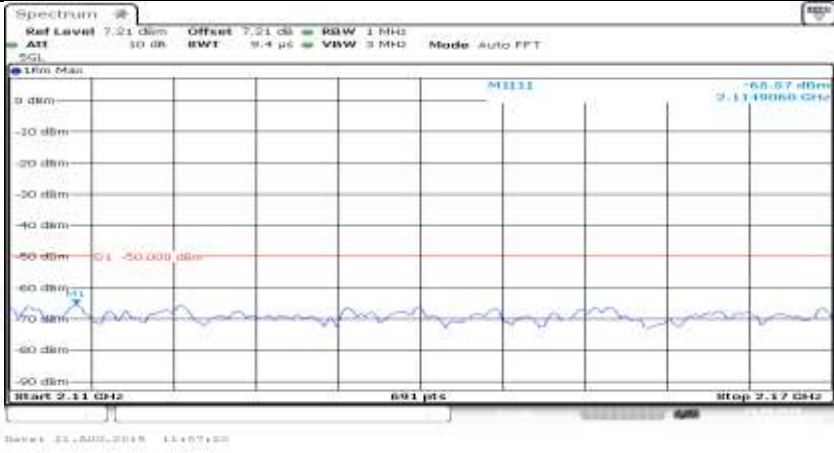
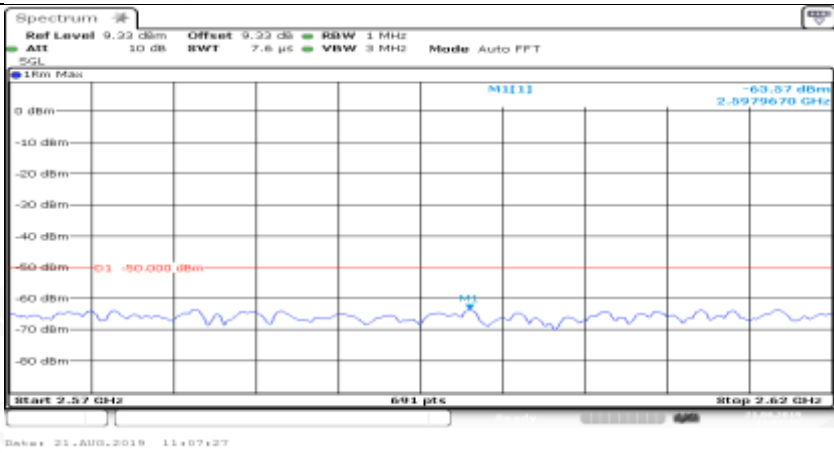
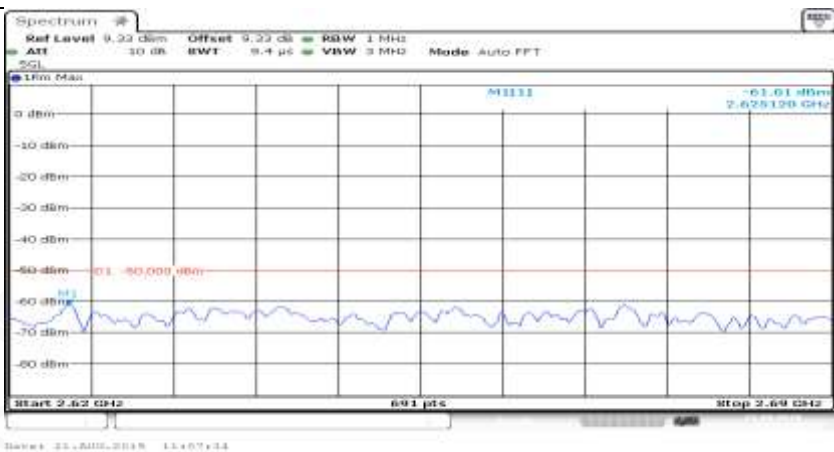




General	
Co-existence	
Co-existence	

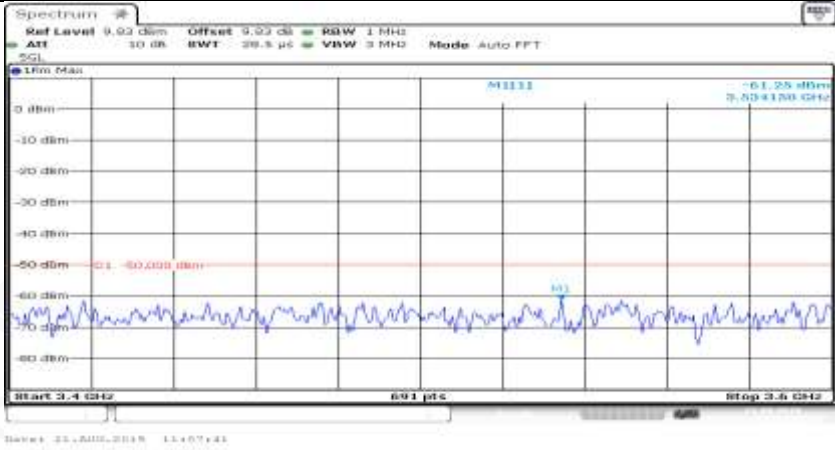
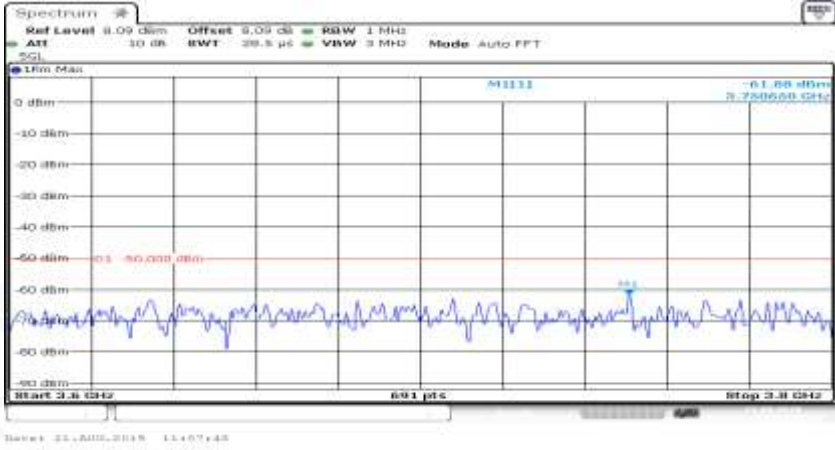
Co-existence	
Co-existence	
Co-existence	

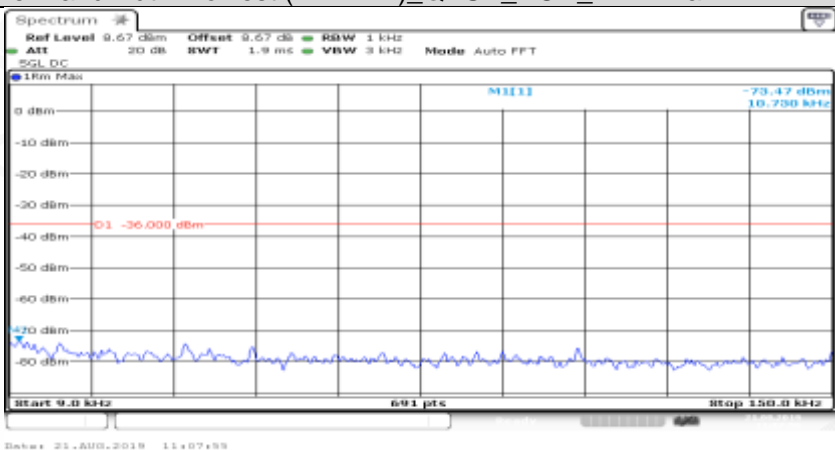


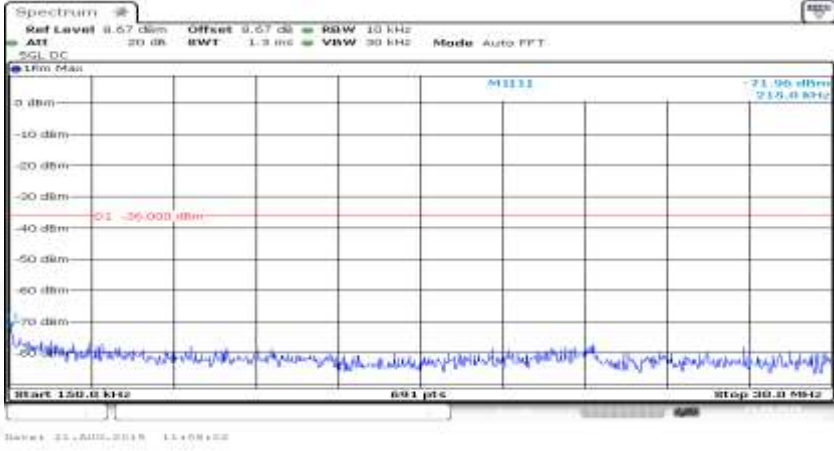
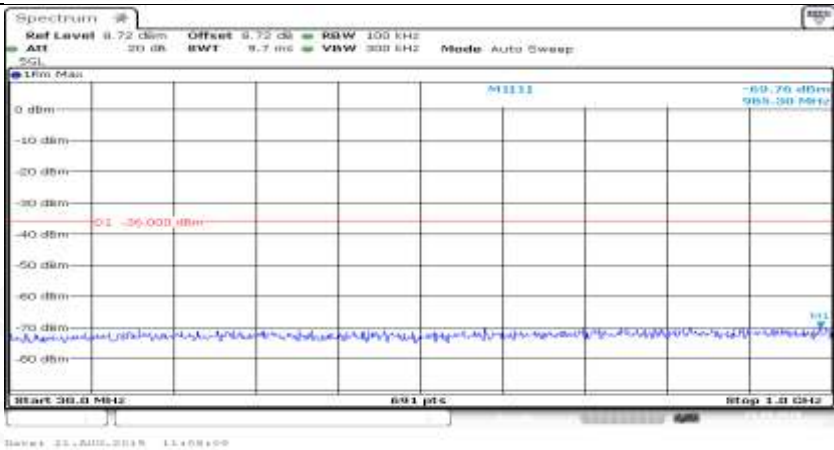
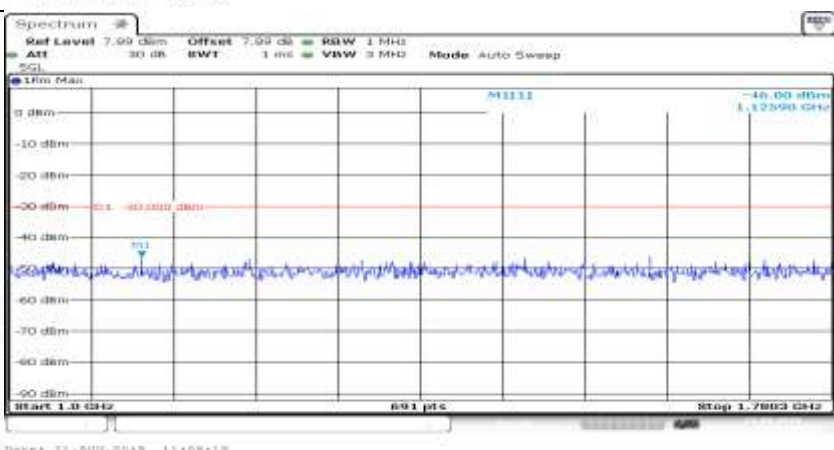
Co-existence	
Co-existence	
Co-existence	



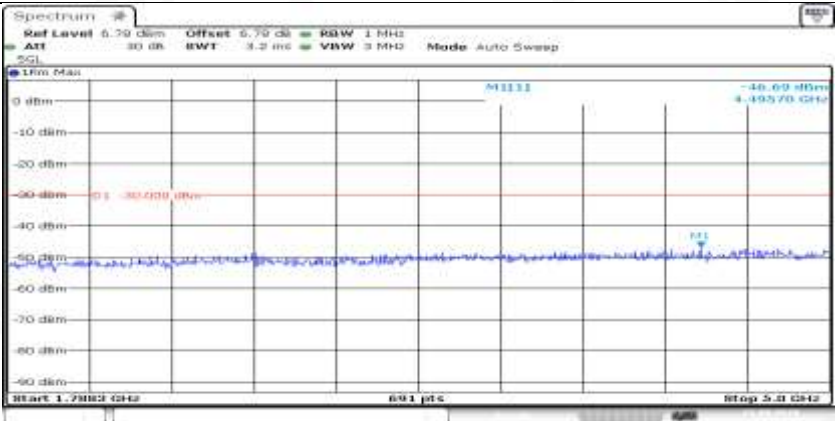
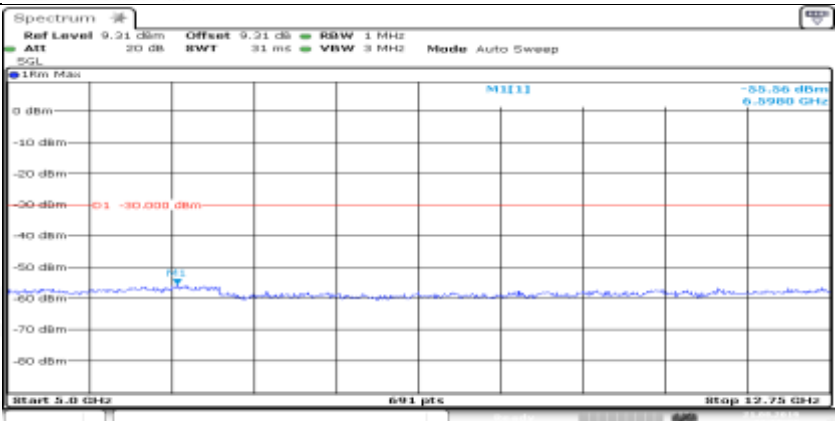



Co-existence	
Co-existence	
Additional	NA

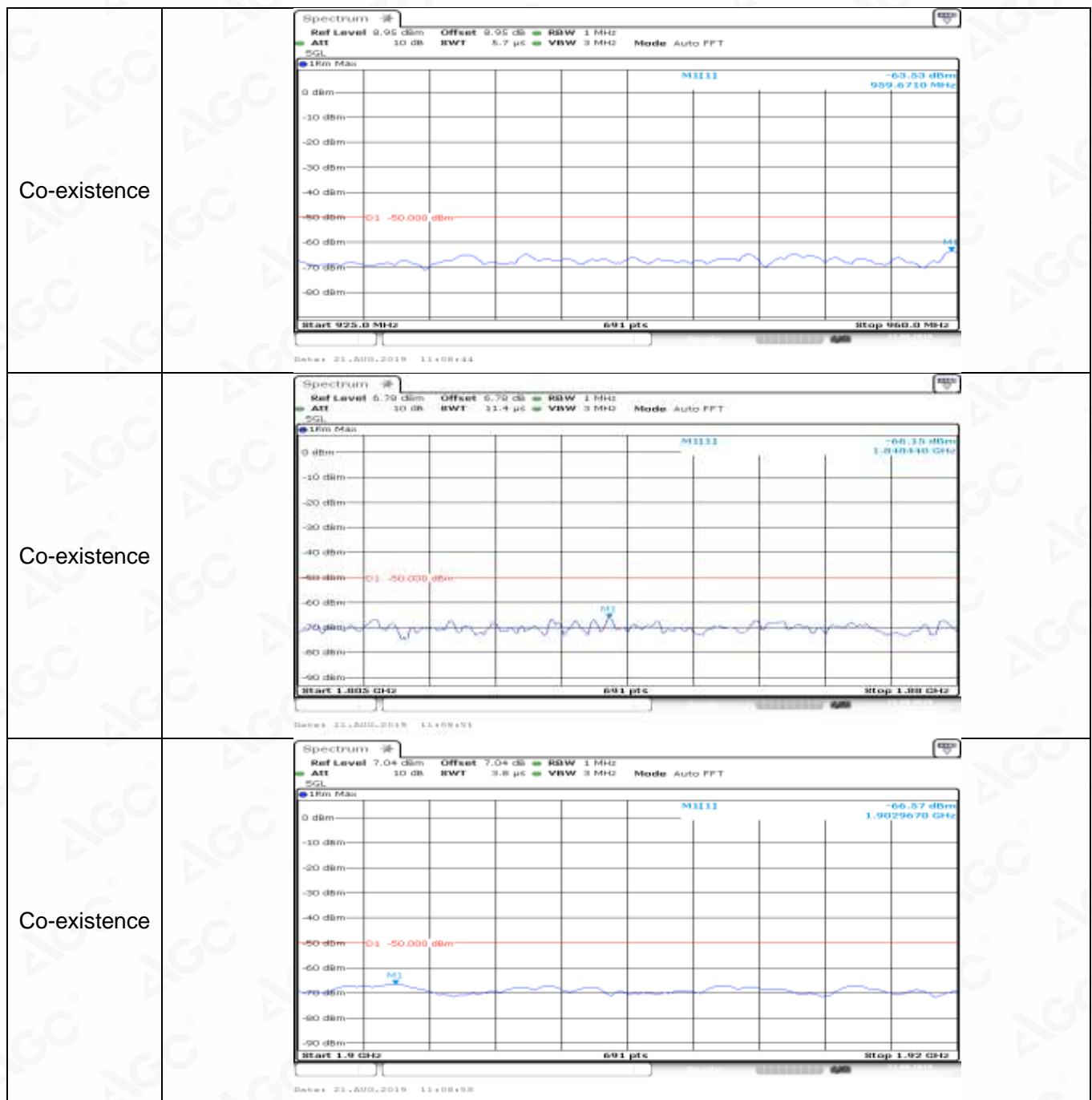
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_1RB#max	
General	

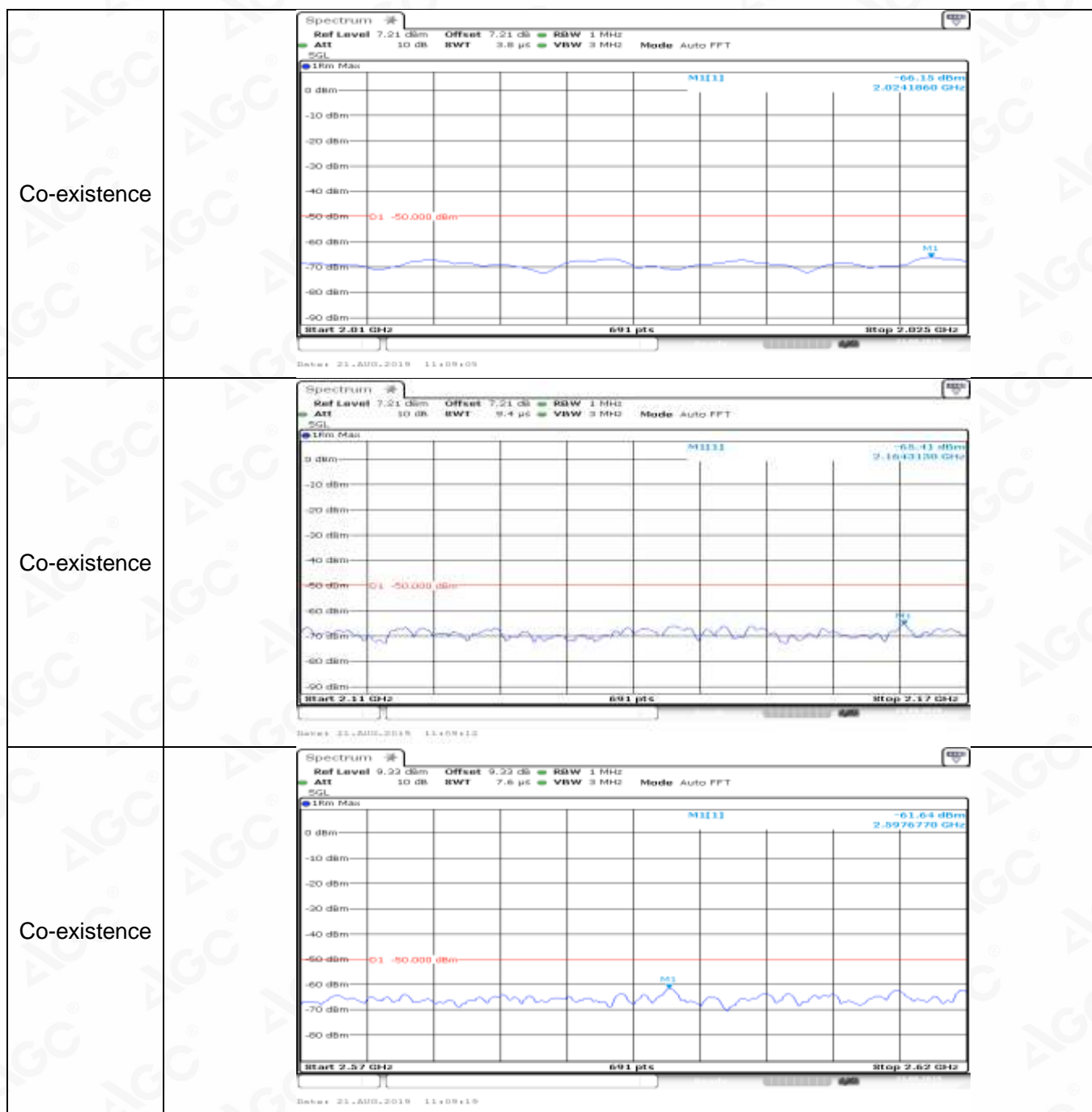
General	
General	
General	



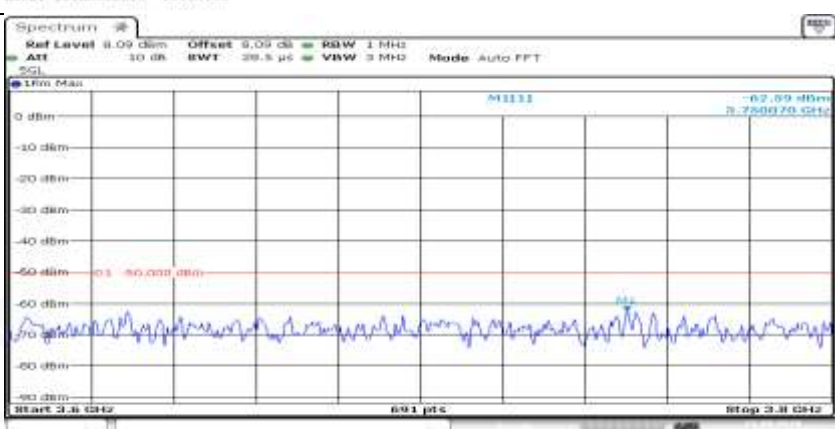


General	
General	
Co-existence	



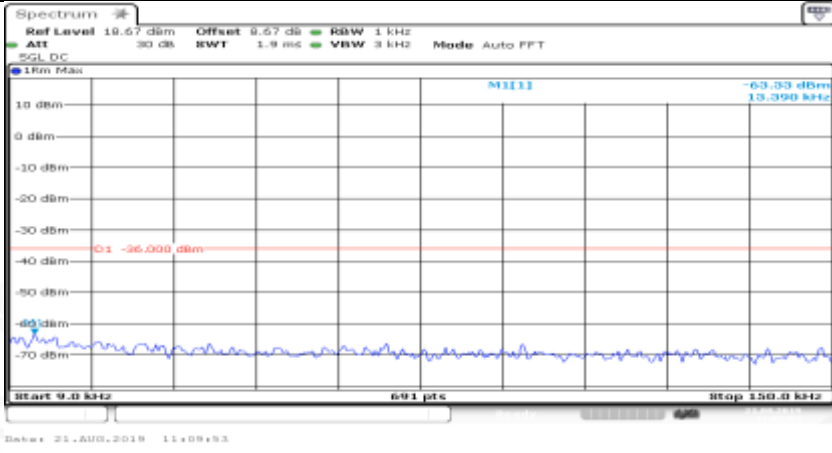




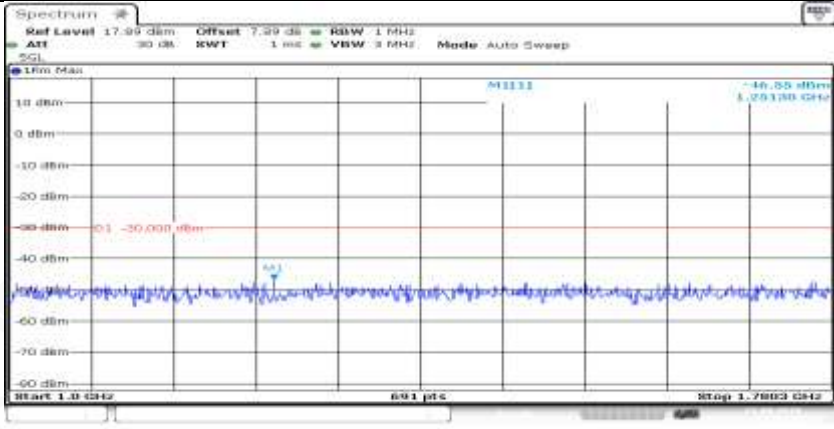
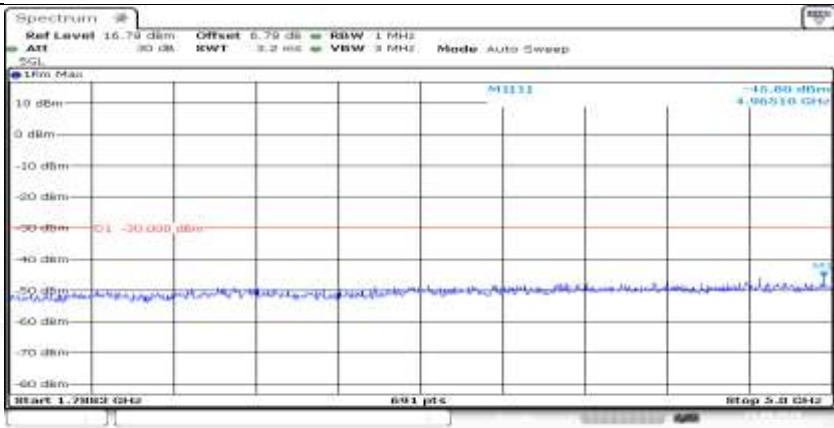
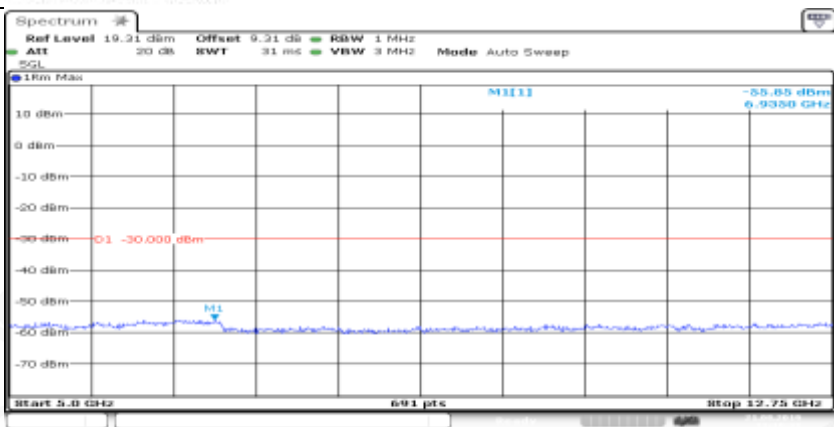


Co-existence	
Co-existence	
Co-existence	
Additional	NA

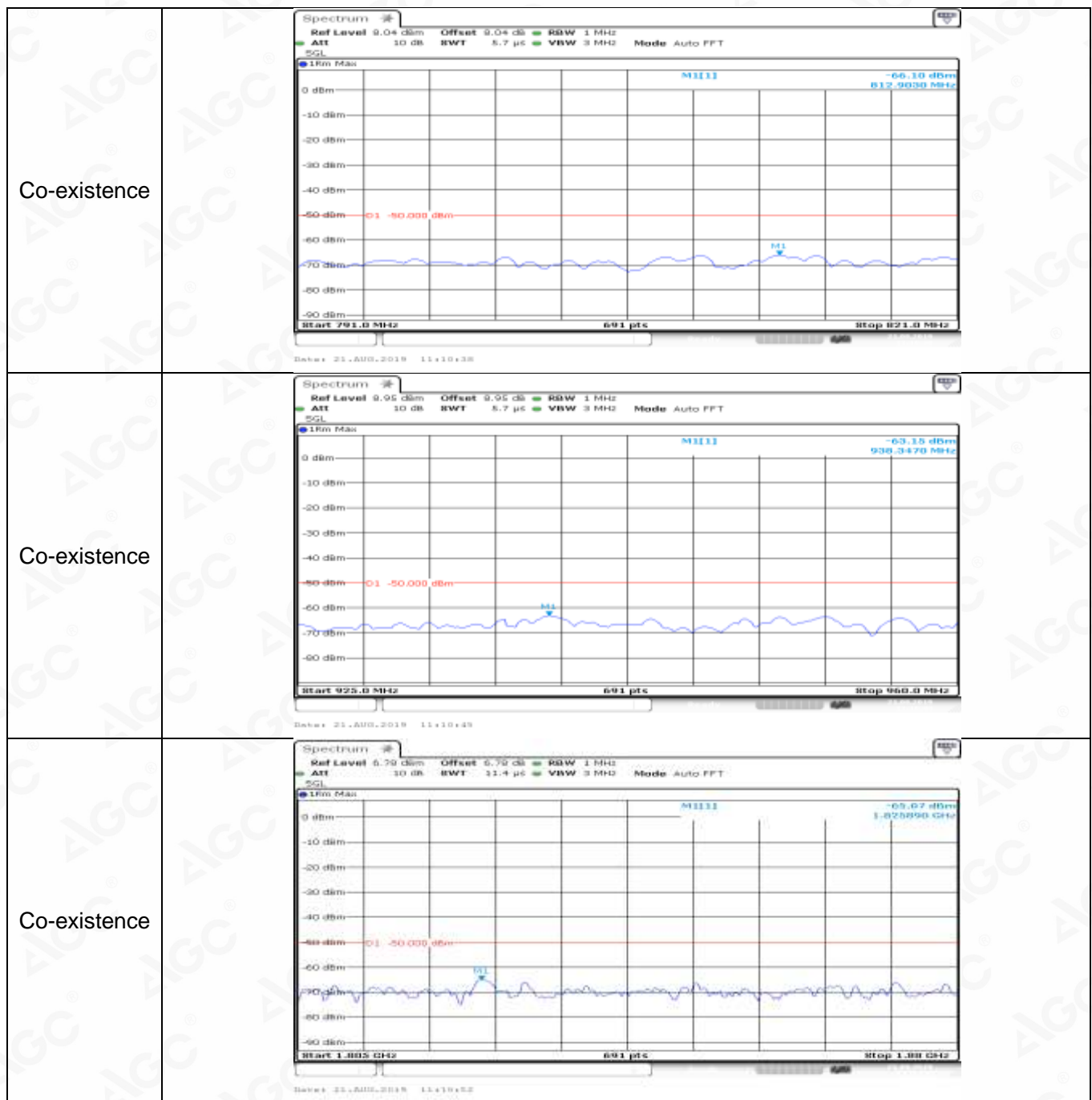
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_FullIRB#0



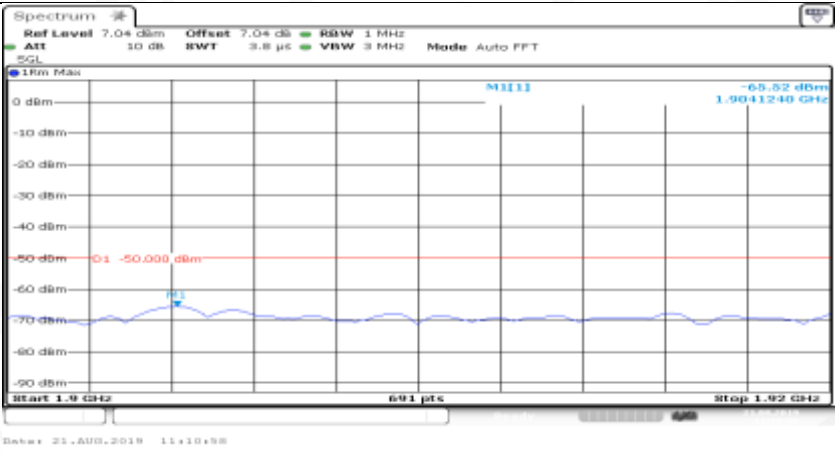
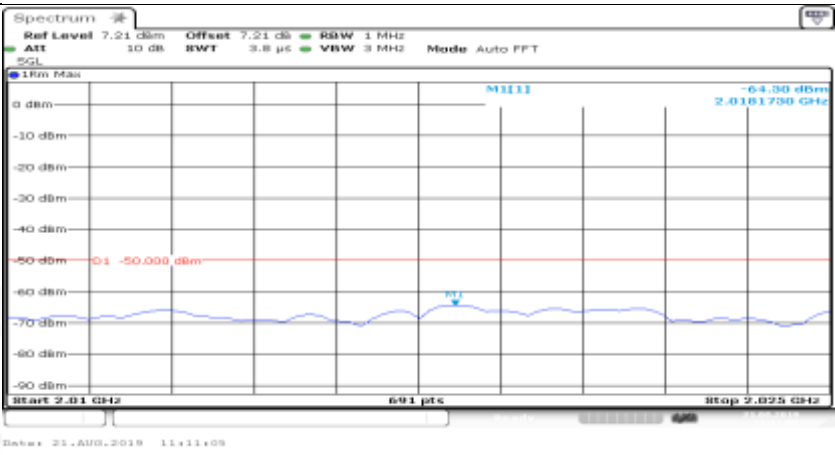

General	
General	
General	

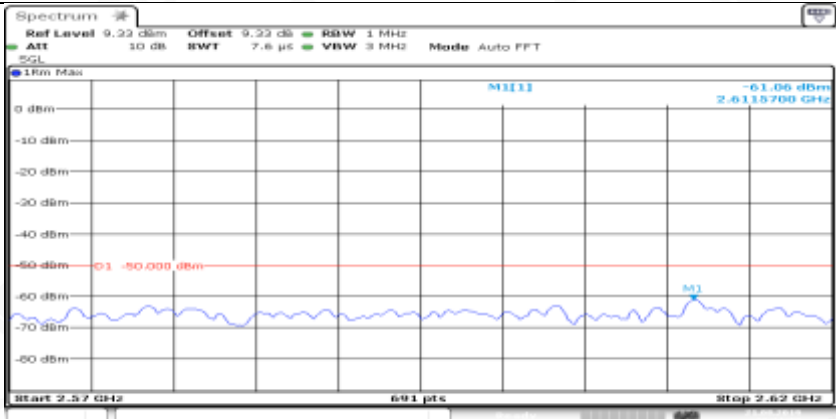
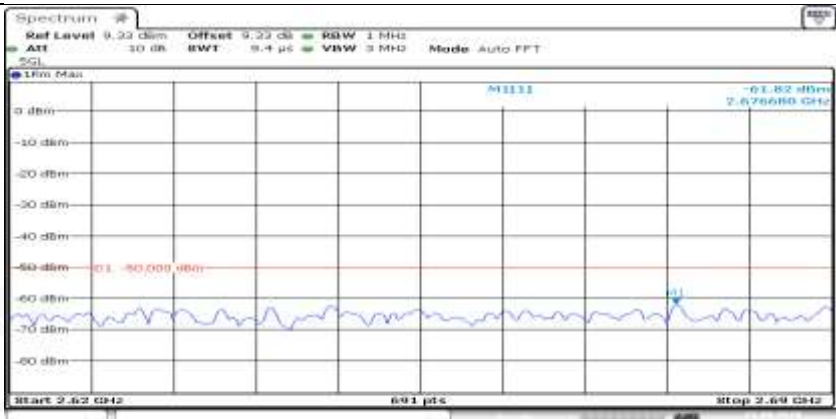
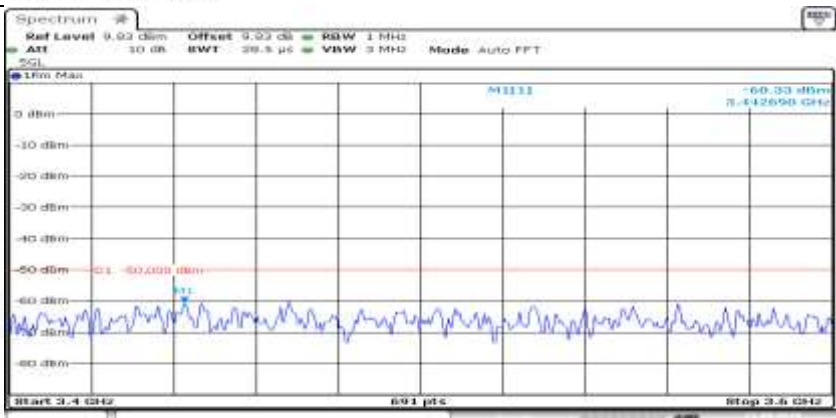
General	
General	
General	



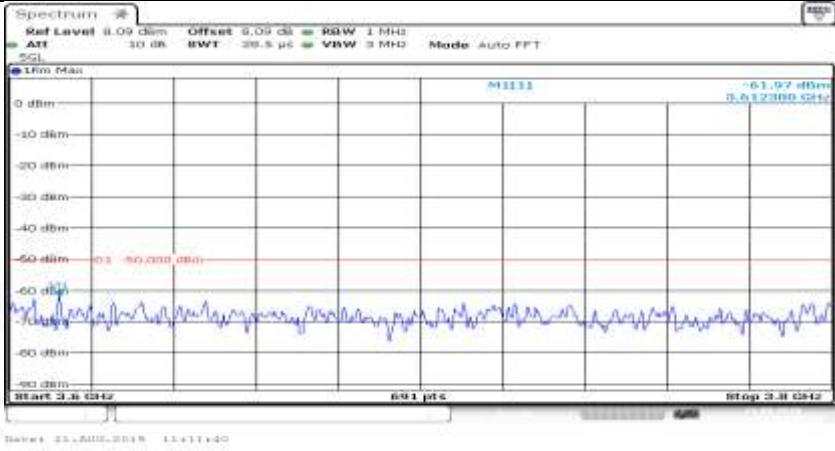




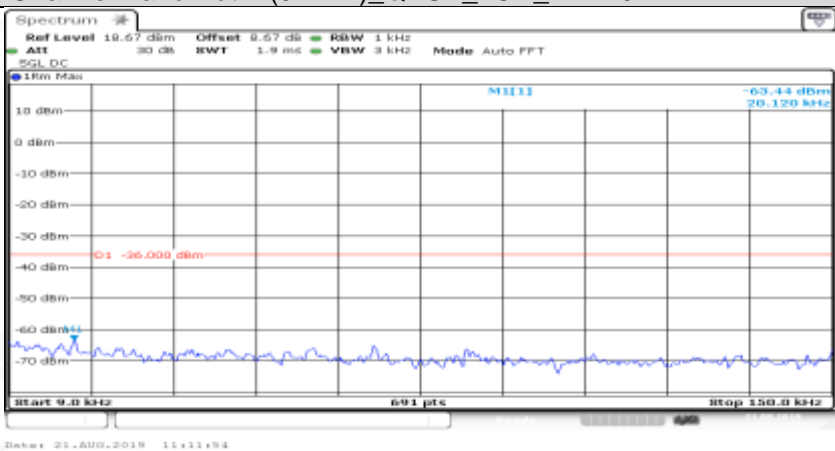
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

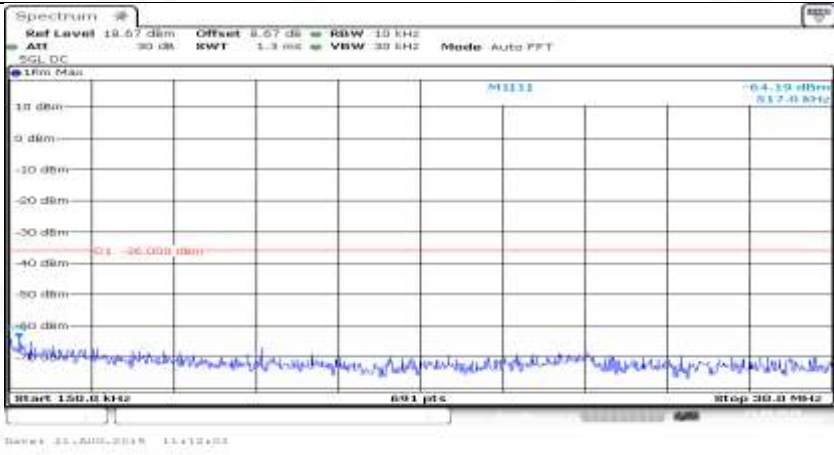

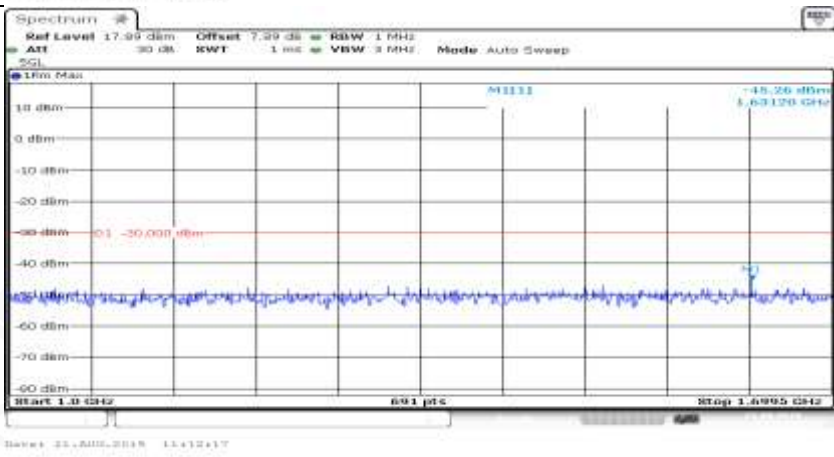


Co-existence	
Additional	NA

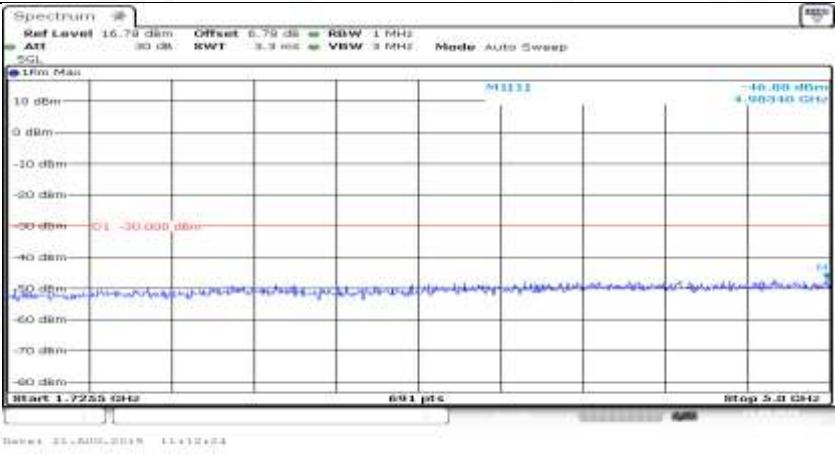
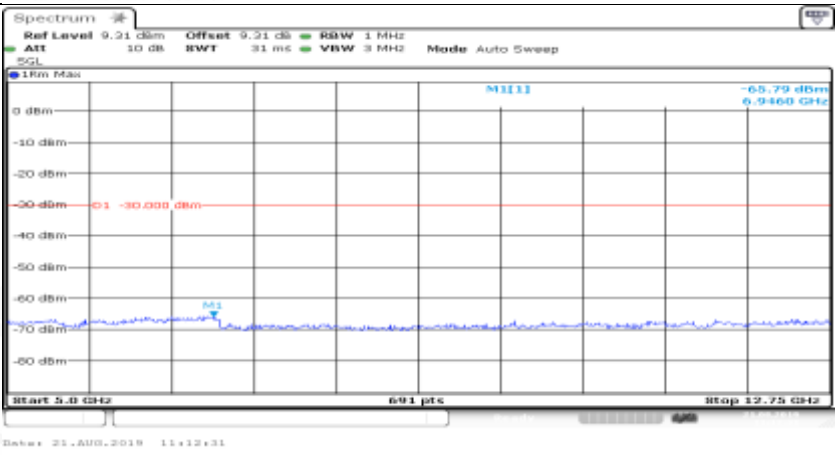
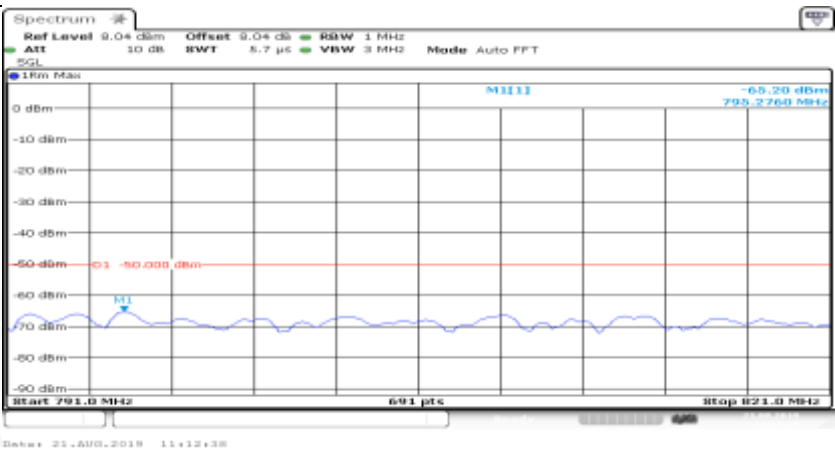
Channel Bandwidth= (5 MHz)

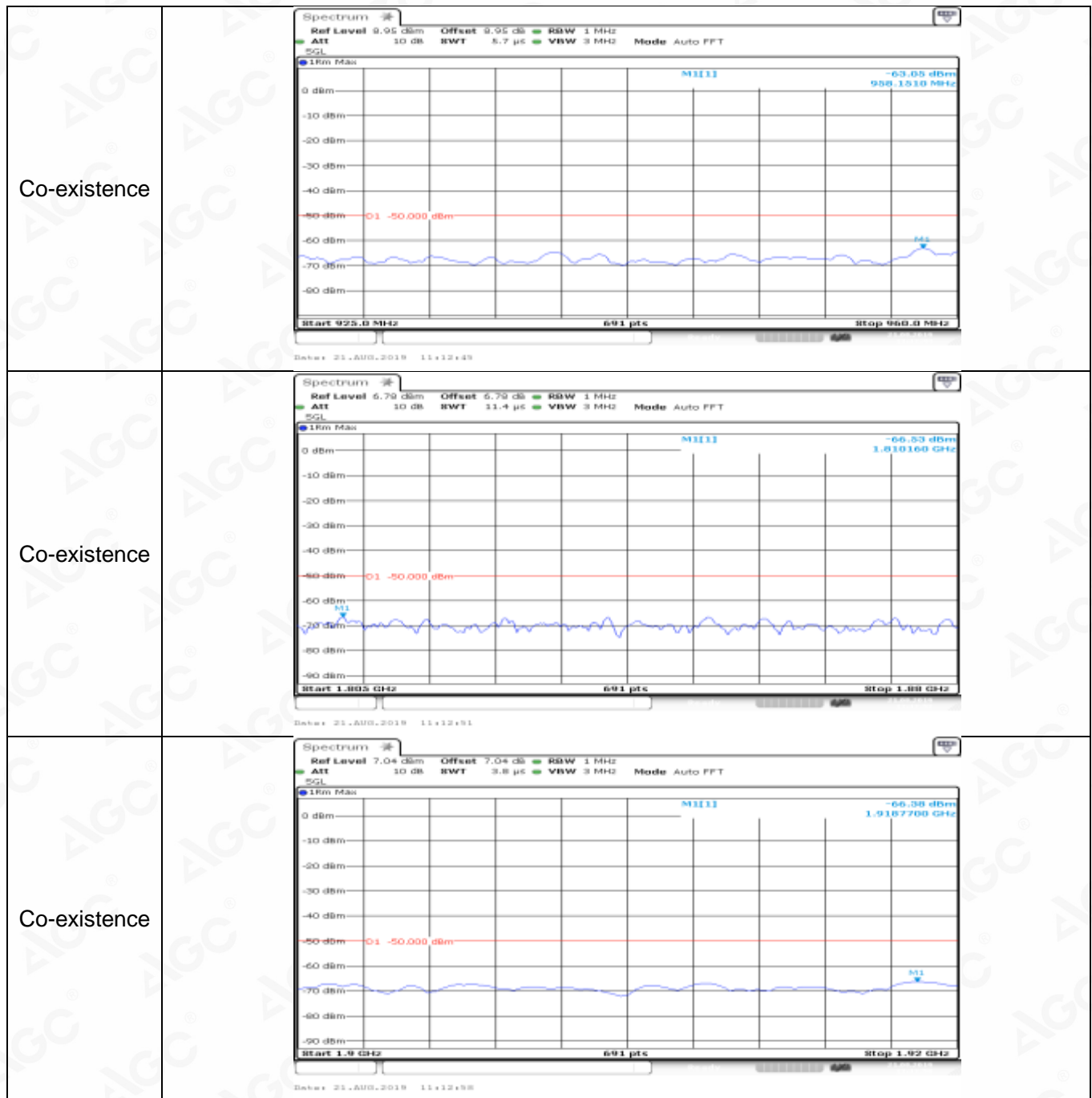
Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	



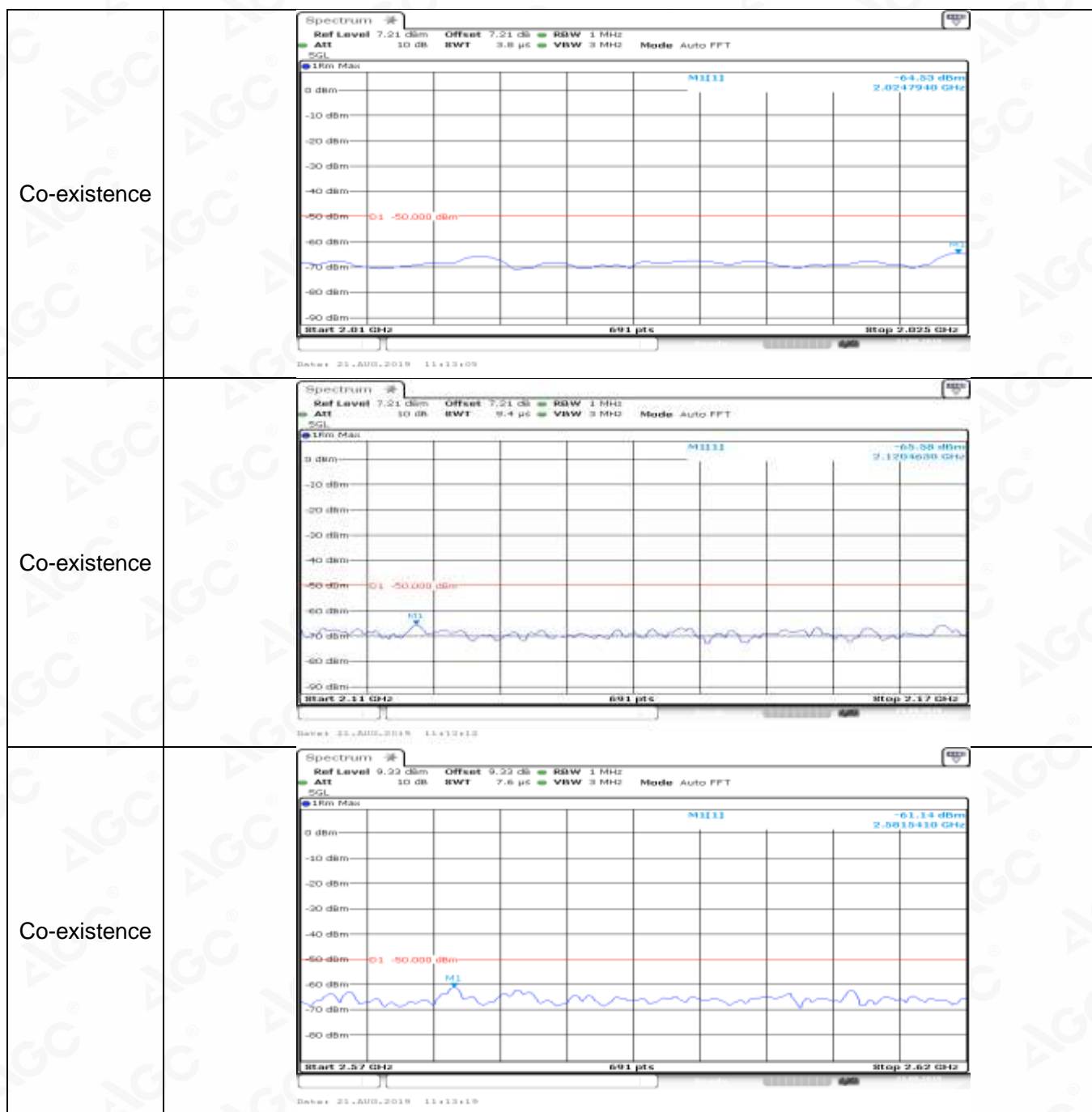
General	
General	
General	


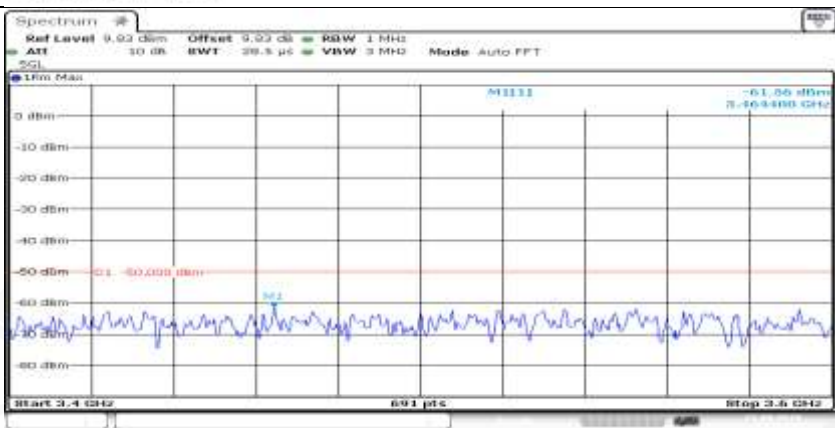
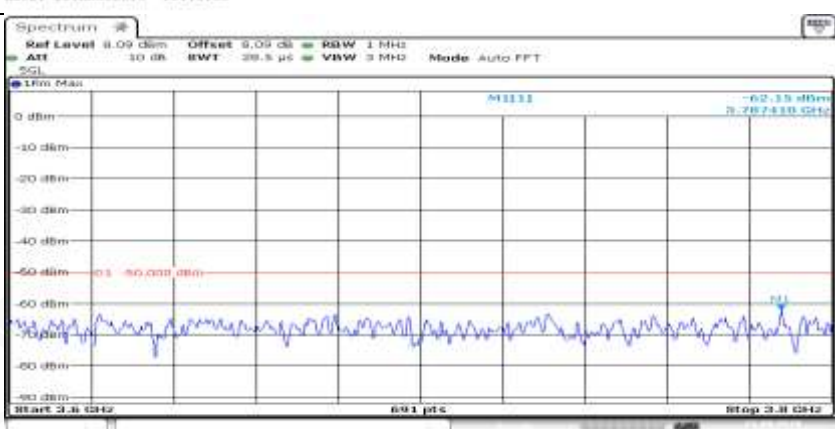


General	
General	
Co-existence	

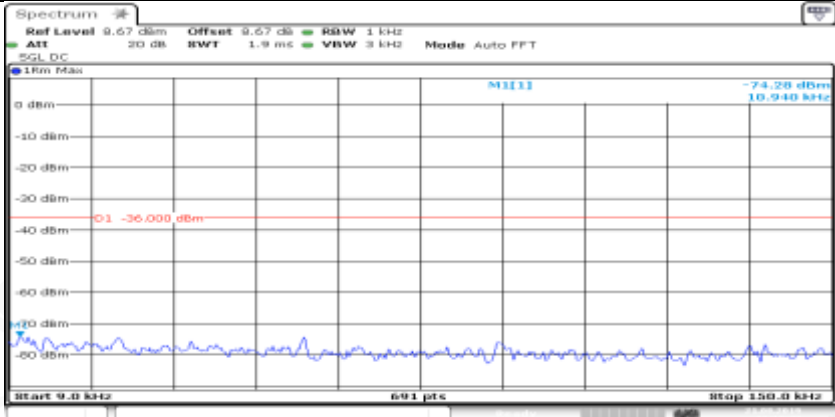
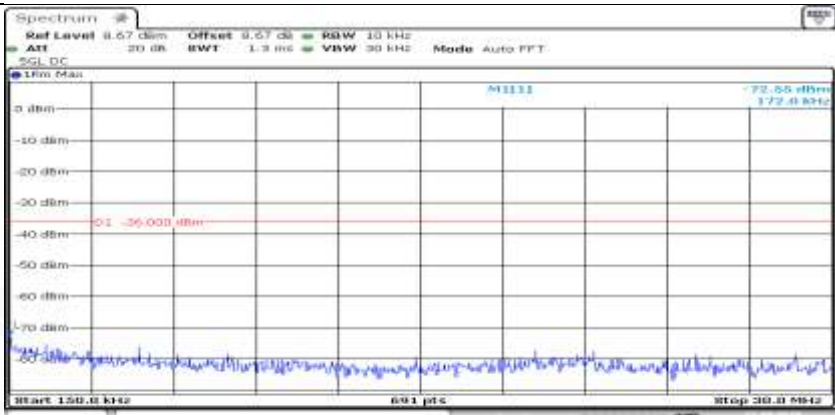
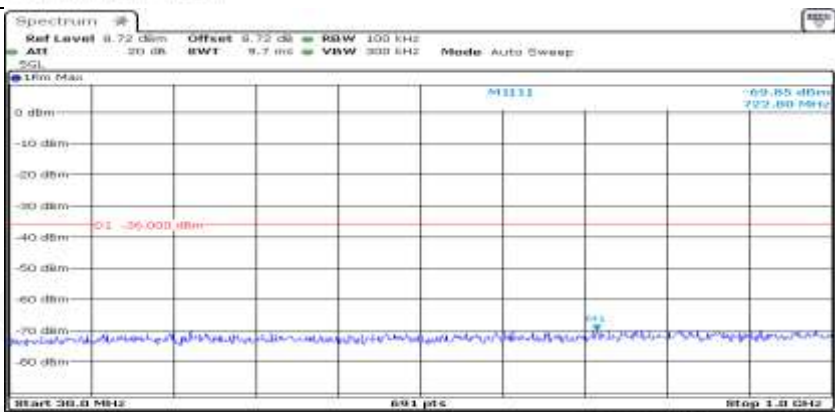




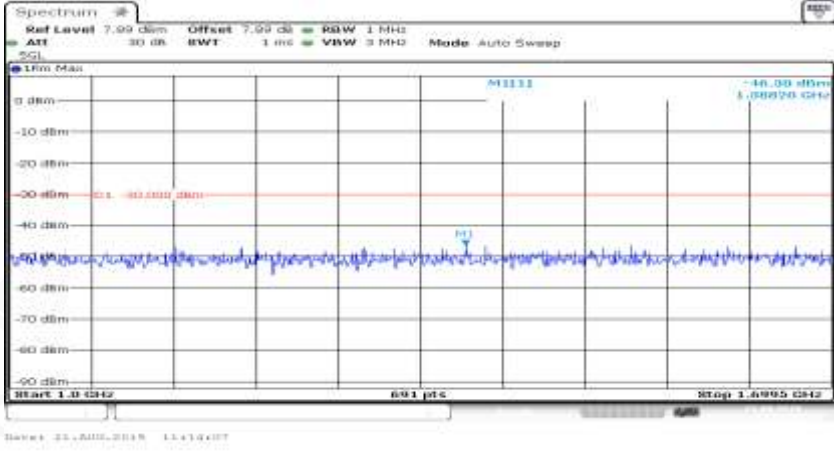
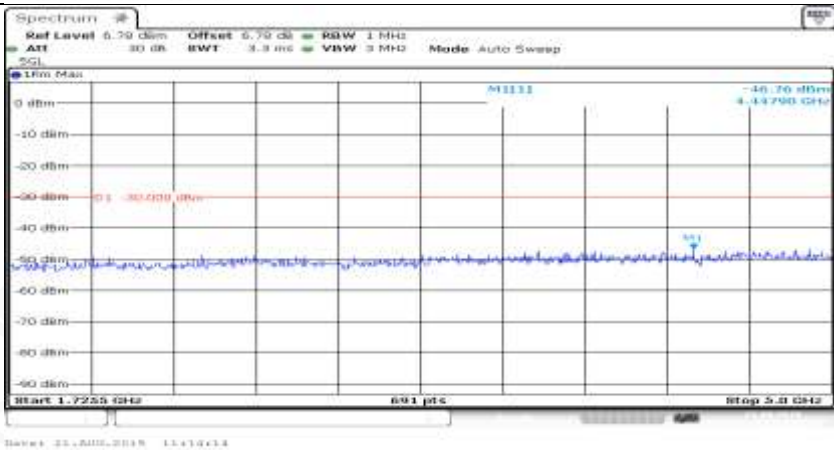
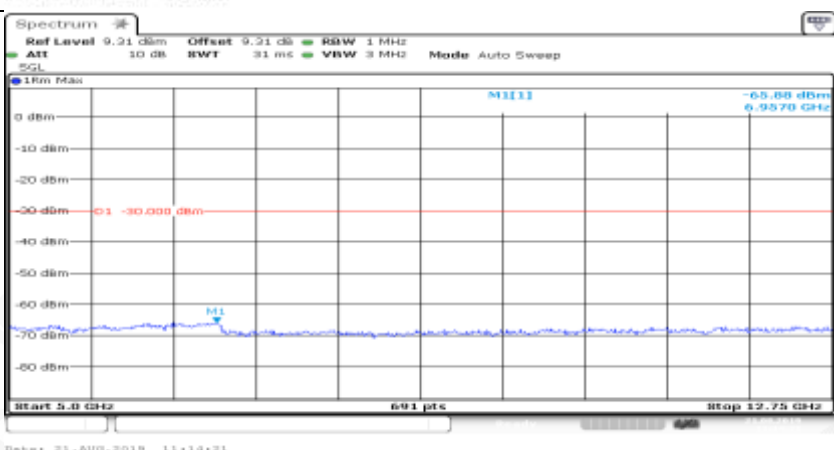


Co-existence	
Co-existence	
Co-existence	
Additional	NA

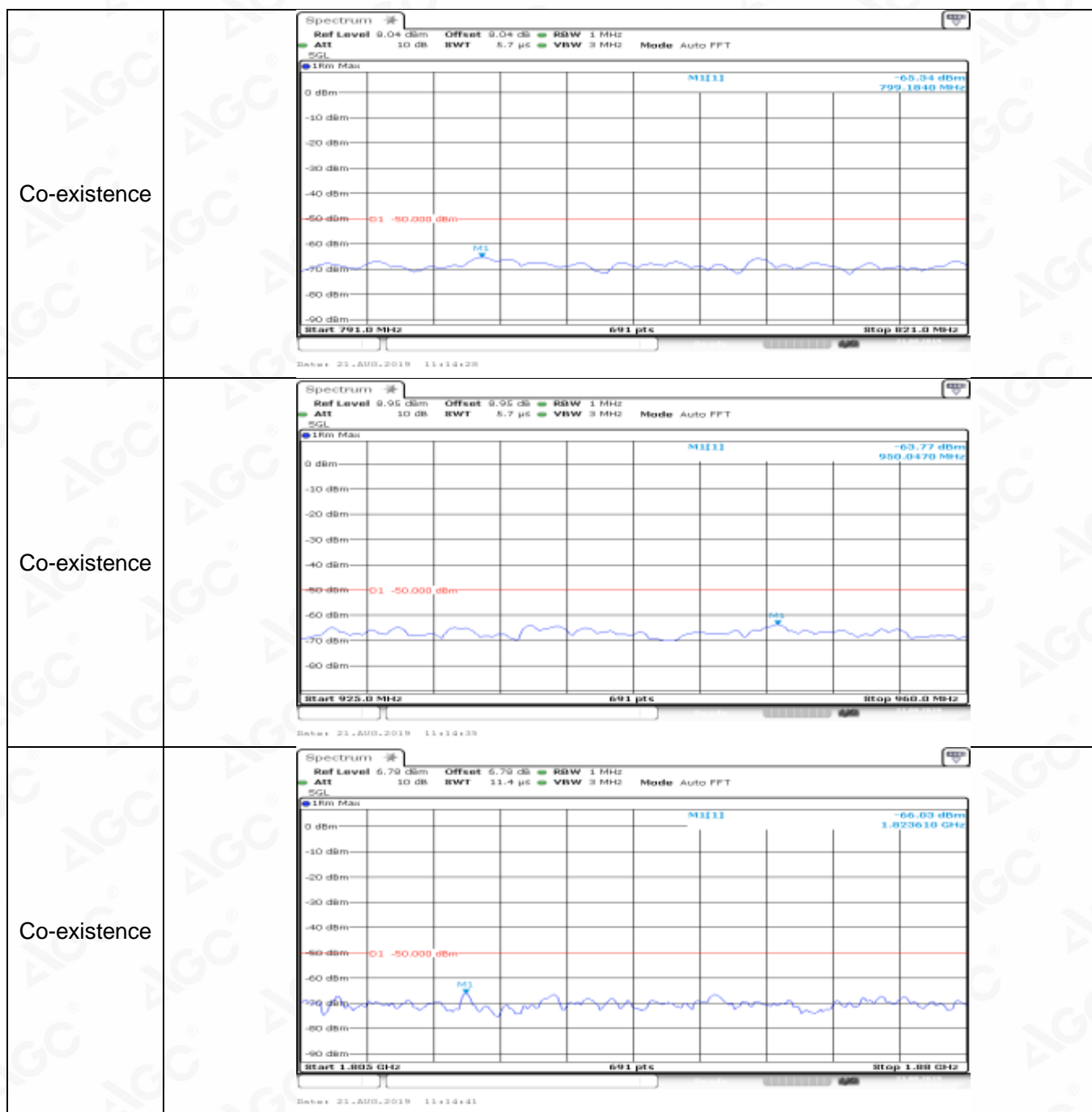
Channel Bandwidth= (5 MHz)\_QPSK\_LCH\_1RB#max

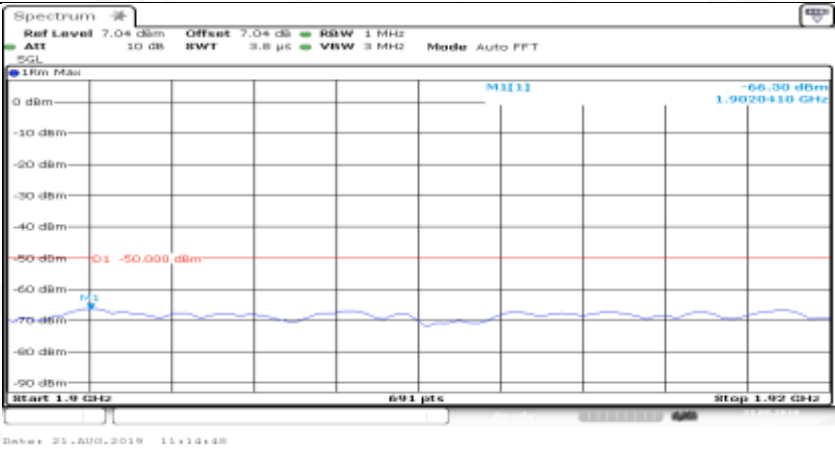
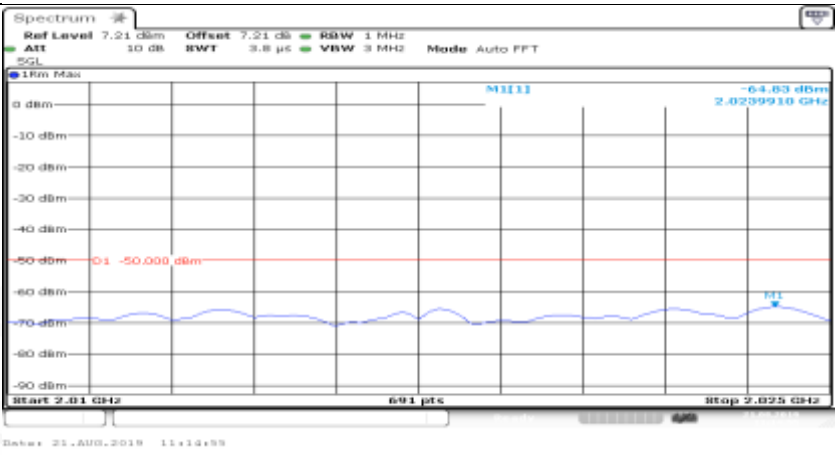

General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz Stop 150.0 kHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:13:48</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz Stop 200.0 MHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:13:53</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB RBW 100 kHz</p> <p>ATT 20 dB BW 8.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 200.0 MHz Stop 1.0 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:14:00</p>



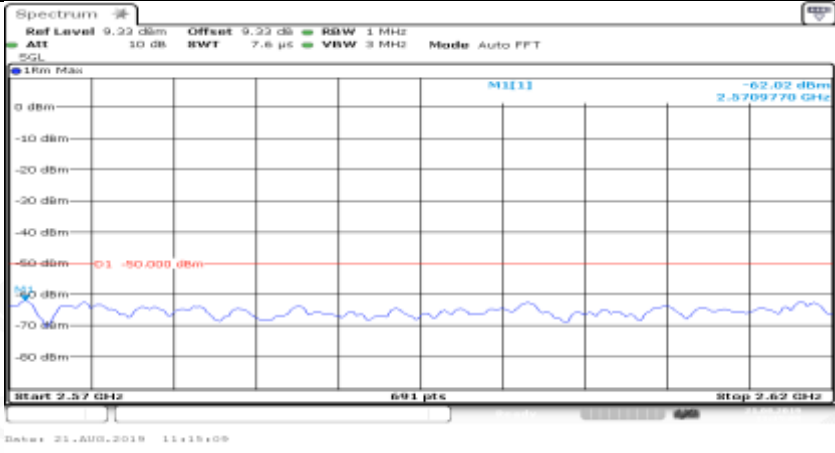

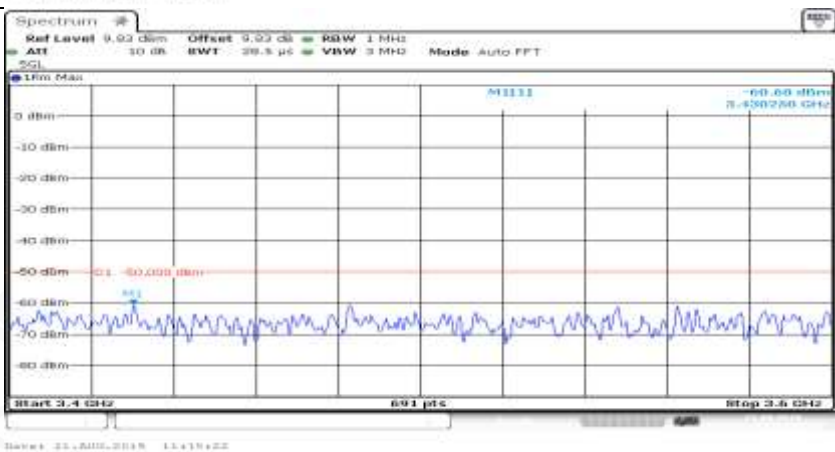
General	 <p>Spectrum plot showing a signal at approximately 1.4 GHz. The plot has a y-axis from -90 dBm to 0 dBm and an x-axis from 1.3 GHz to 1.5 GHz. A red line indicates a limit at -30 dBm. The signal is labeled M1111.</p>
General	 <p>Spectrum plot showing a signal at approximately 4.4 GHz. The plot has a y-axis from -90 dBm to 0 dBm and an x-axis from 4.3 GHz to 4.5 GHz. A red line indicates a limit at -30 dBm. The signal is labeled M1111.</p>
General	 <p>Spectrum plot showing a signal at approximately 6.9 GHz. The plot has a y-axis from -90 dBm to 0 dBm and an x-axis from 6.8 GHz to 7.0 GHz. A red line indicates a limit at -30 dBm. The signal is labeled M1111.</p>

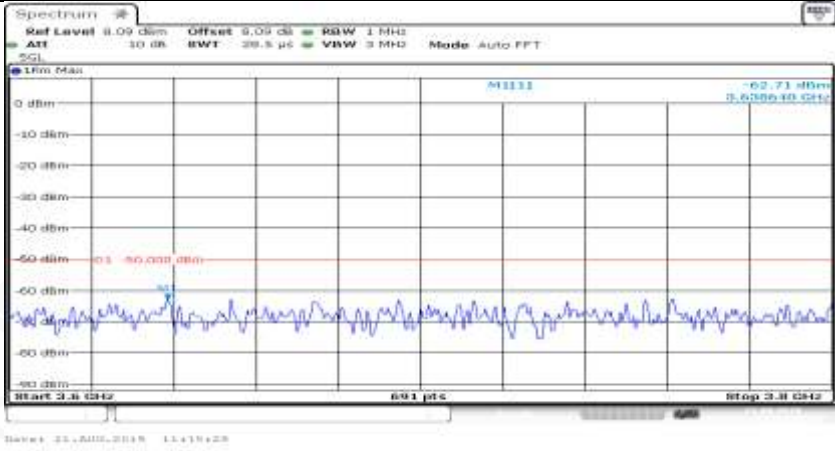


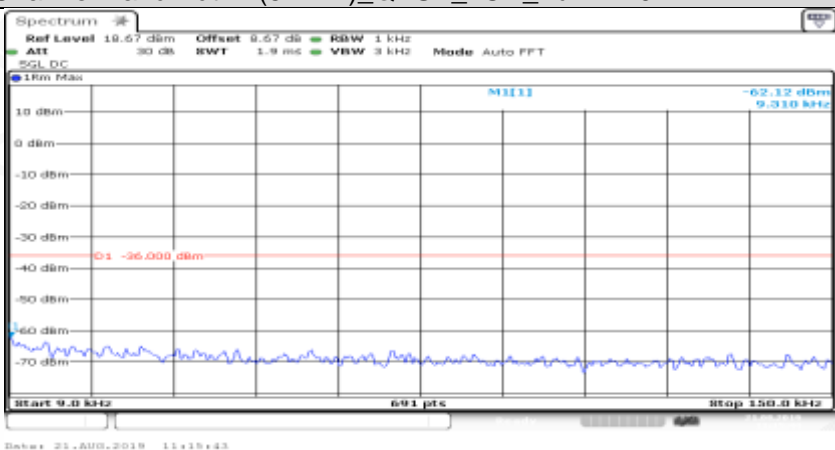
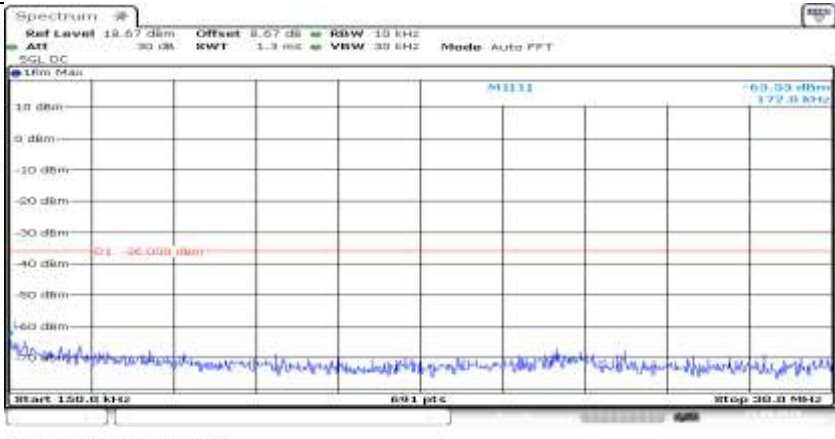


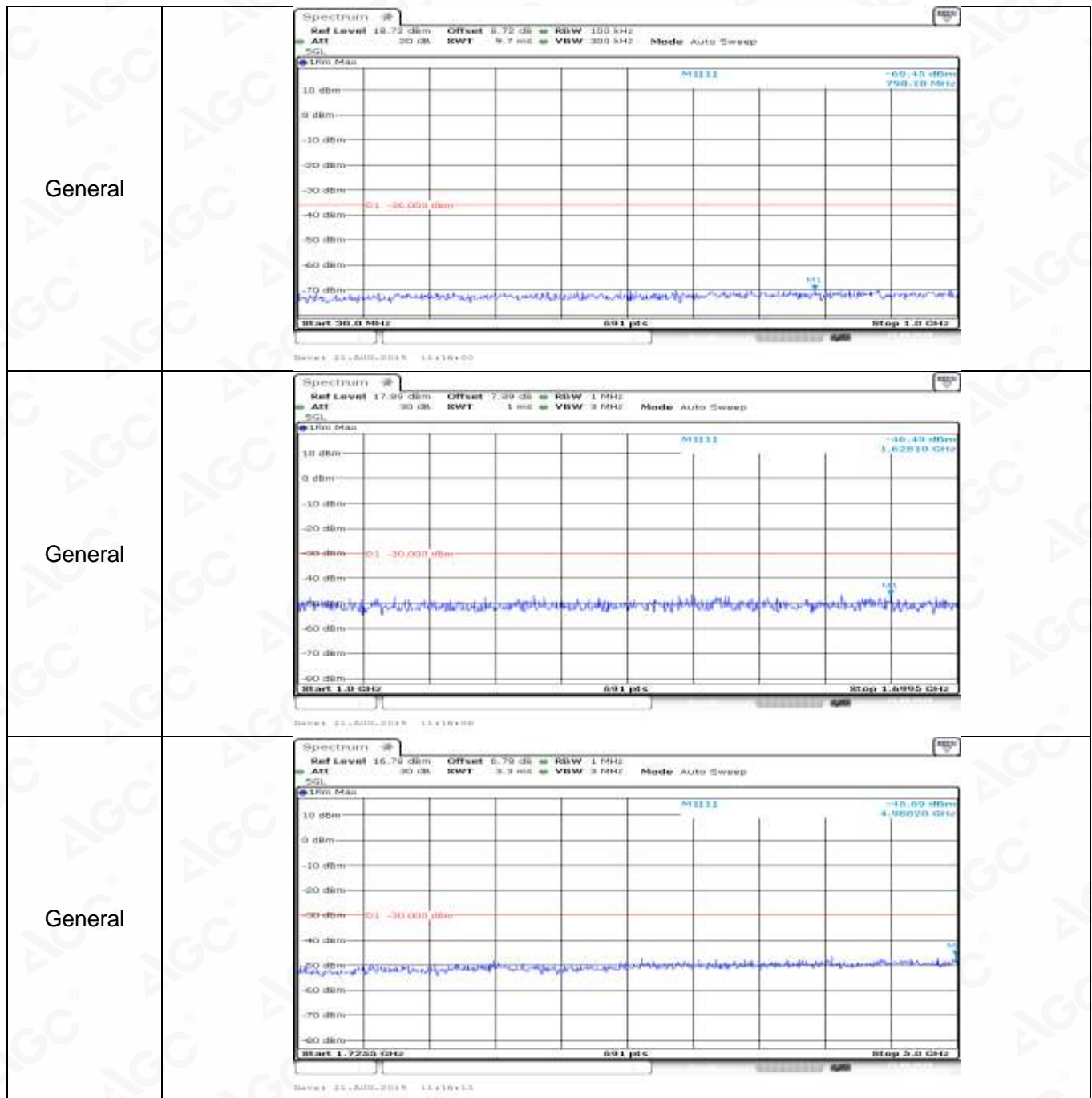
Co-existence	
Co-existence	
Co-existence	



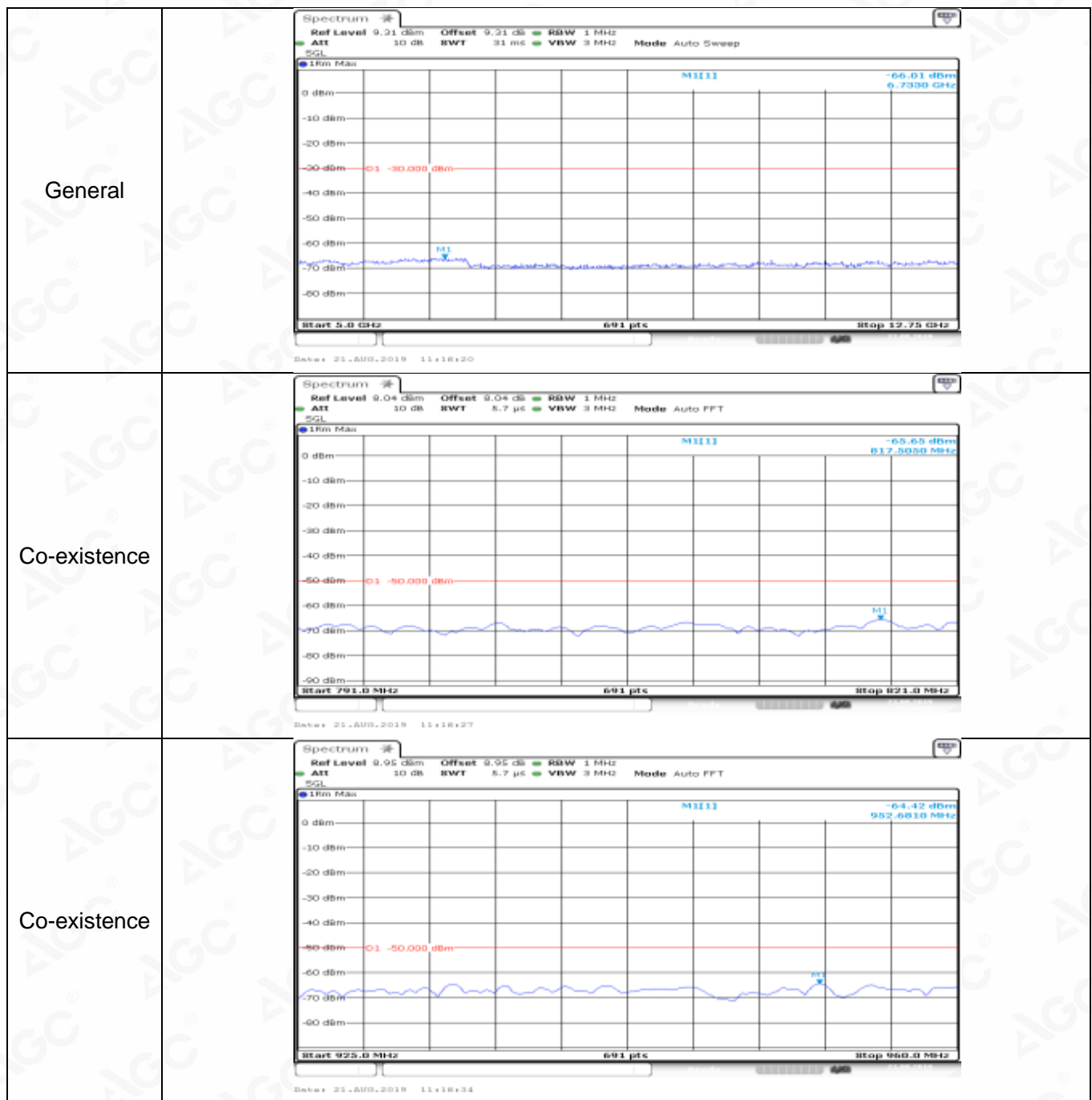
Co-existence	
Co-existence	
Co-existence	

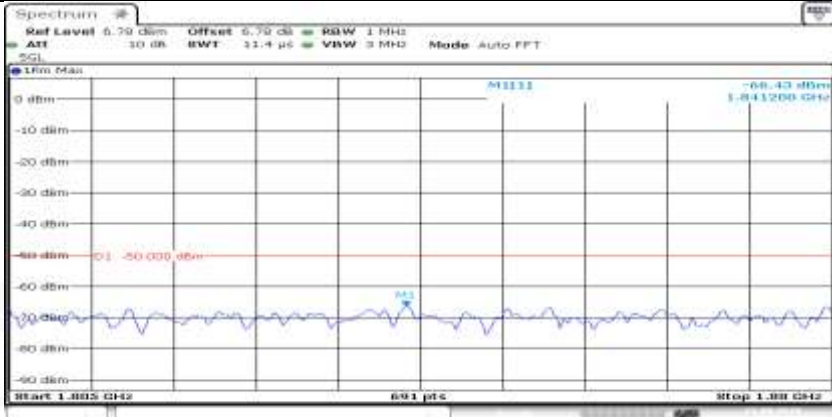
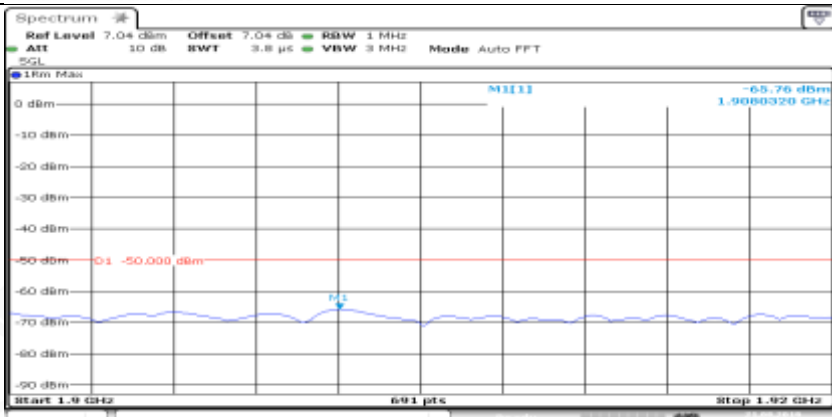
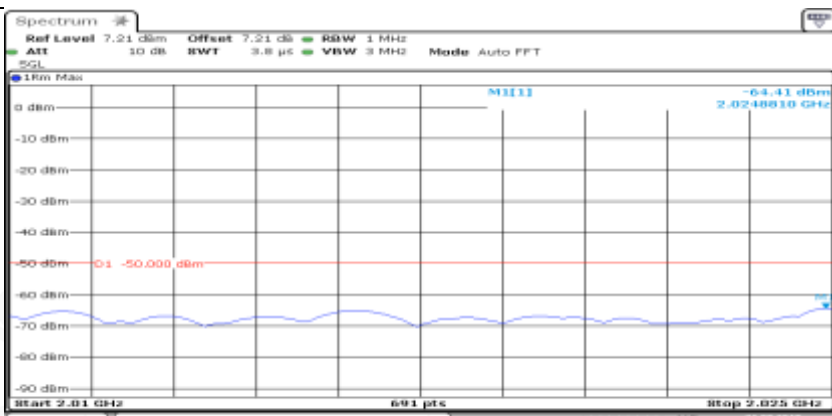
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_LCH_FullIRB#0	
General	
General	

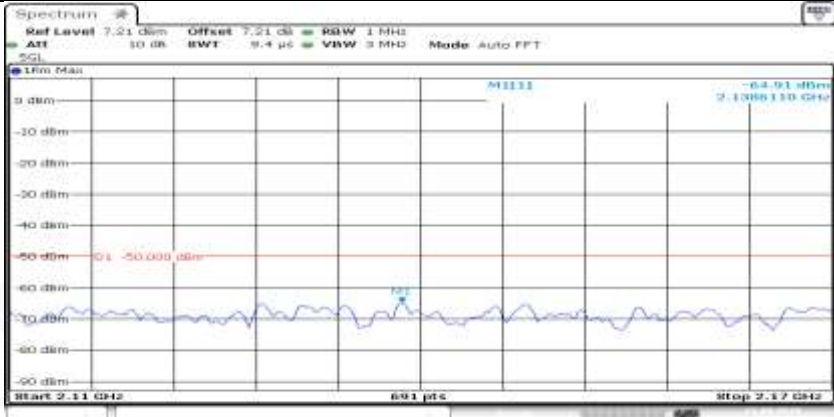
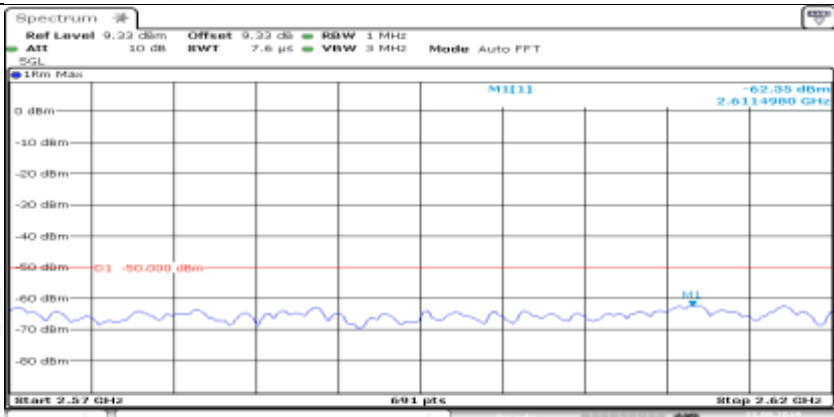
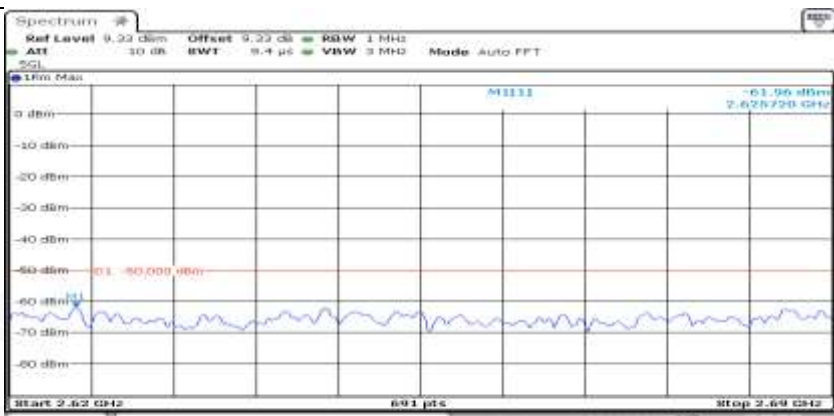






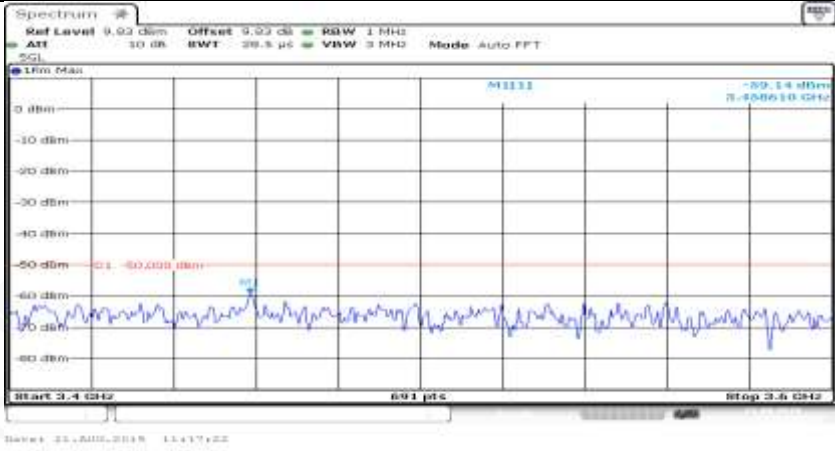
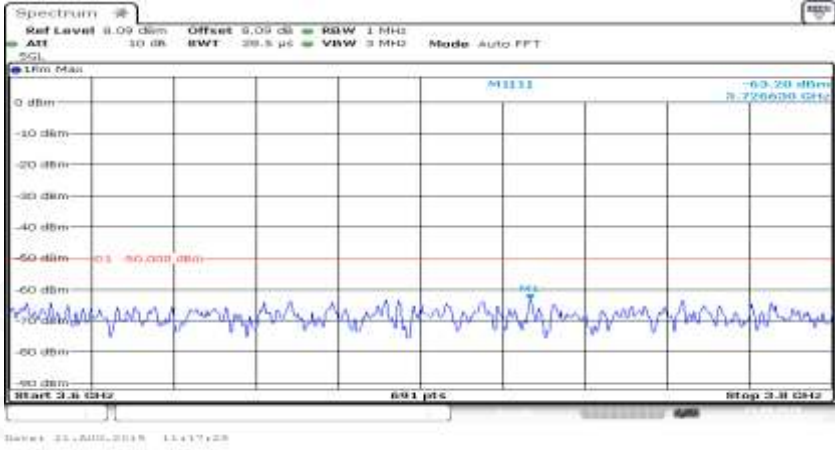
Co-existence	
Co-existence	
Co-existence	

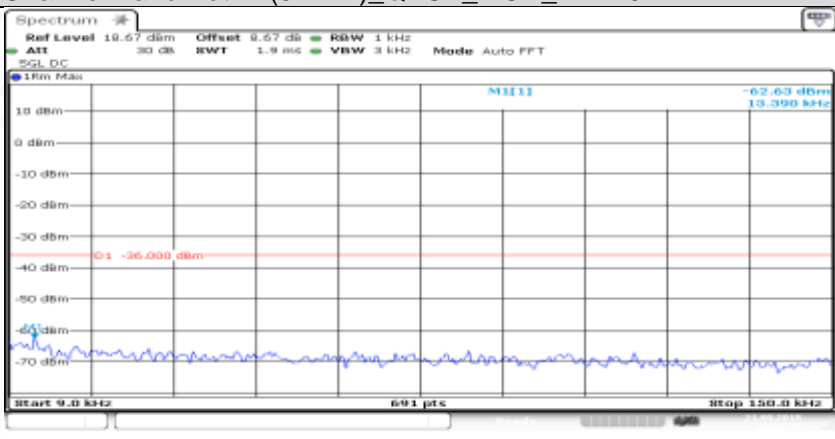


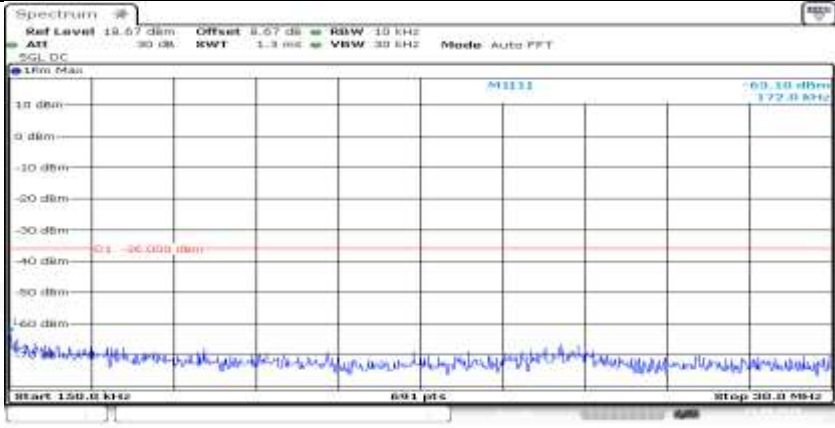

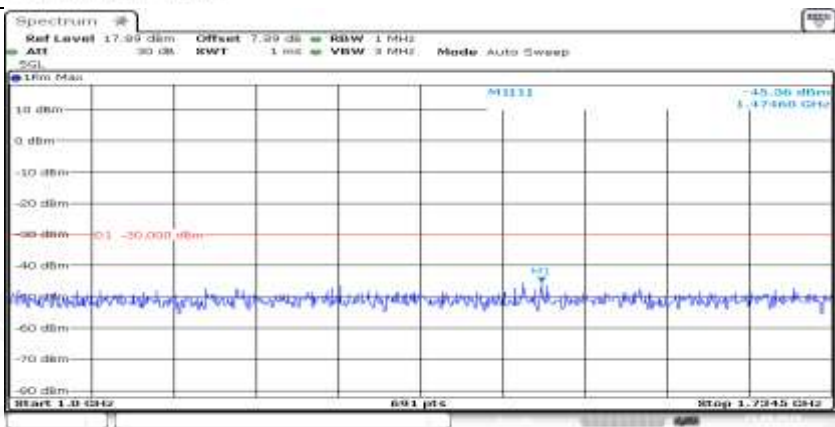
Co-existence	
Co-existence	
Co-existence	

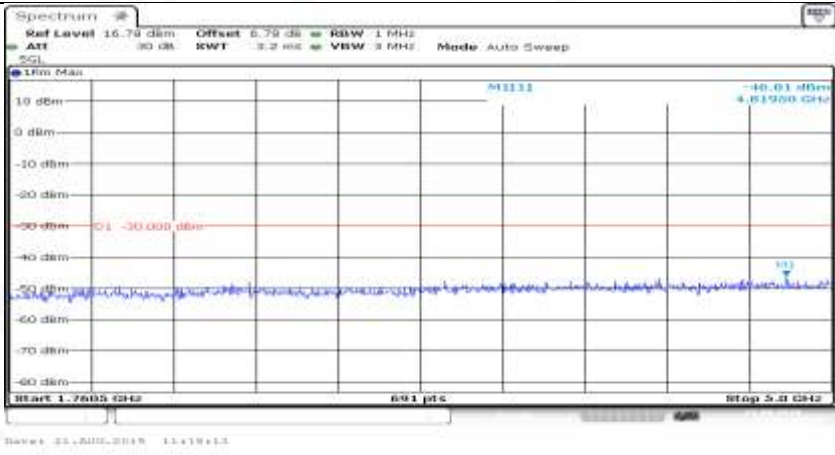
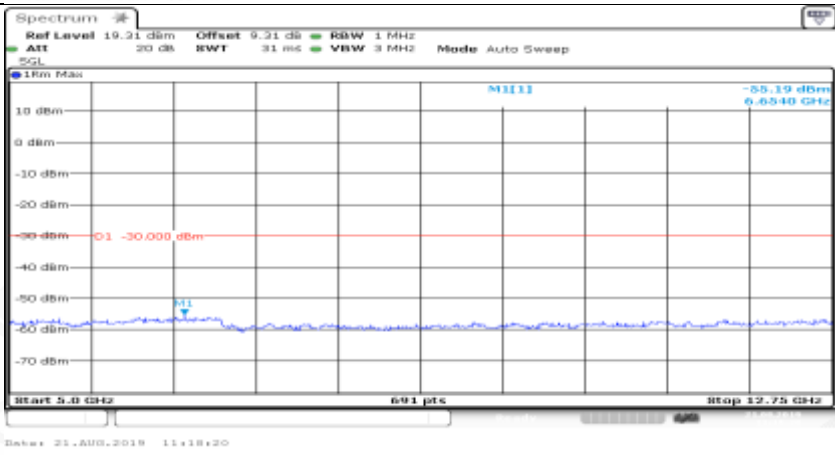
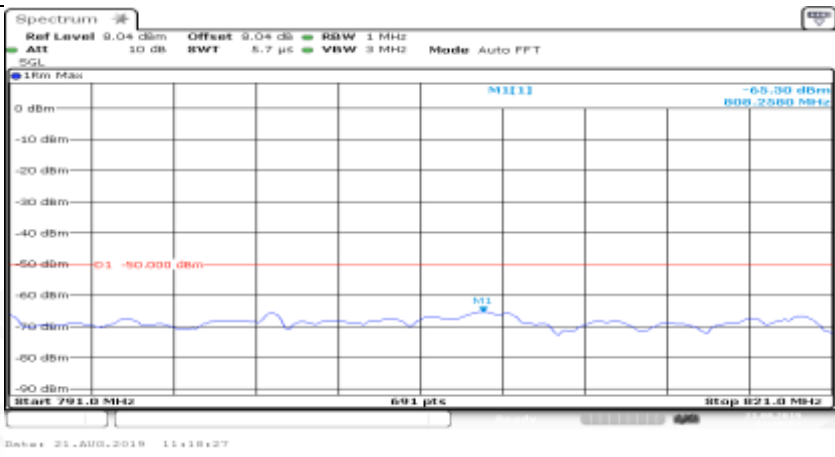




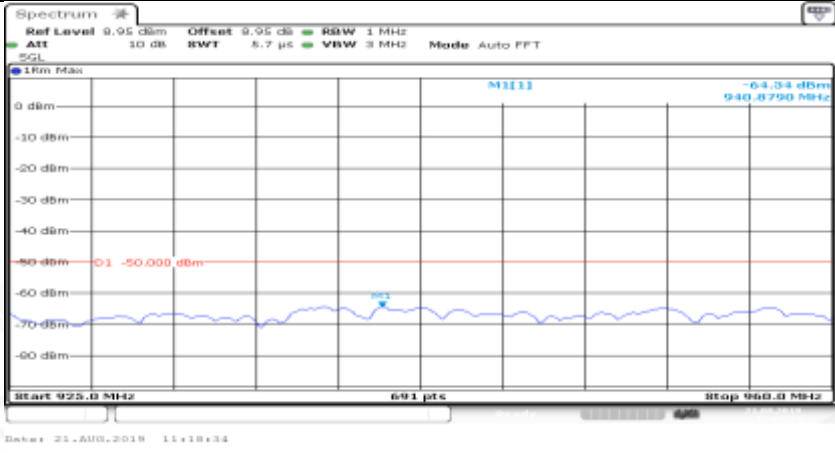
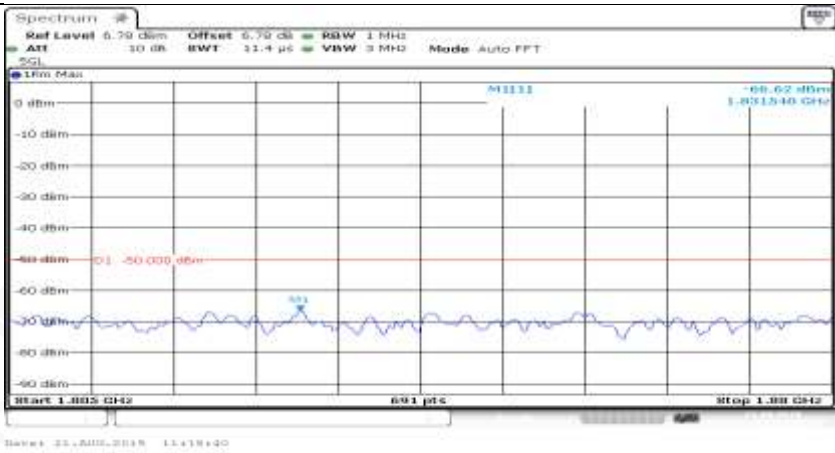
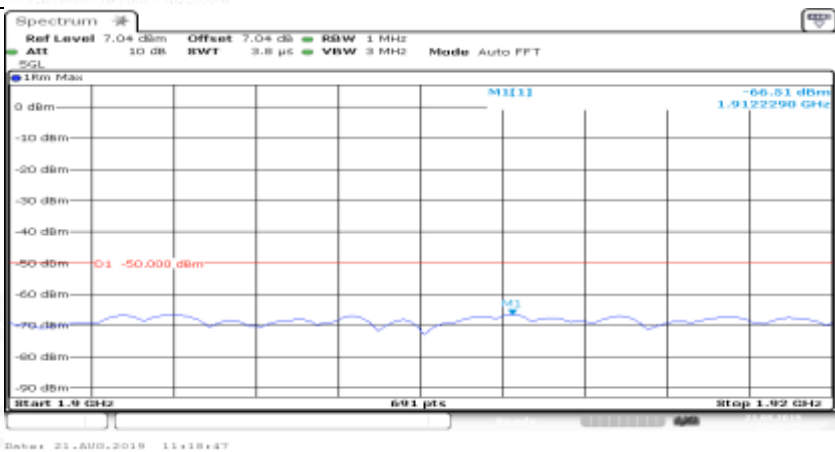
Co-existence	
Co-existence	
Additional	NA

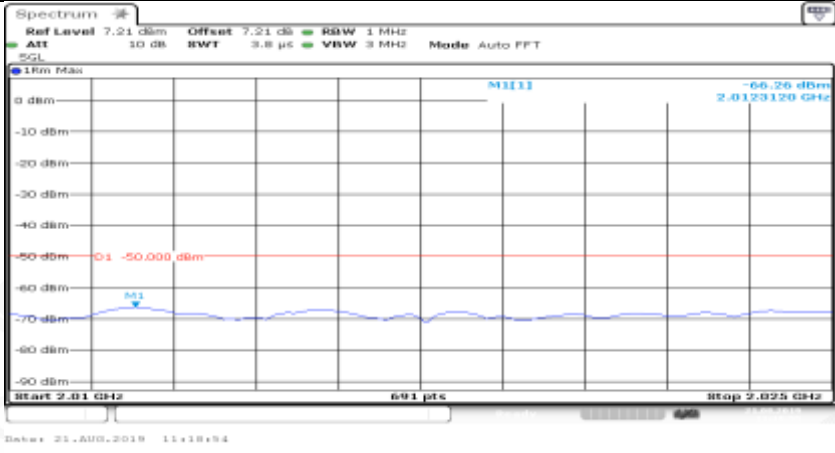

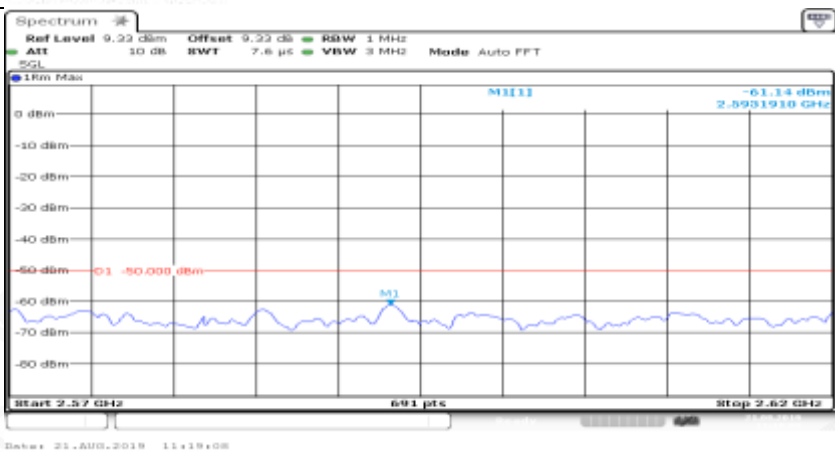
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	

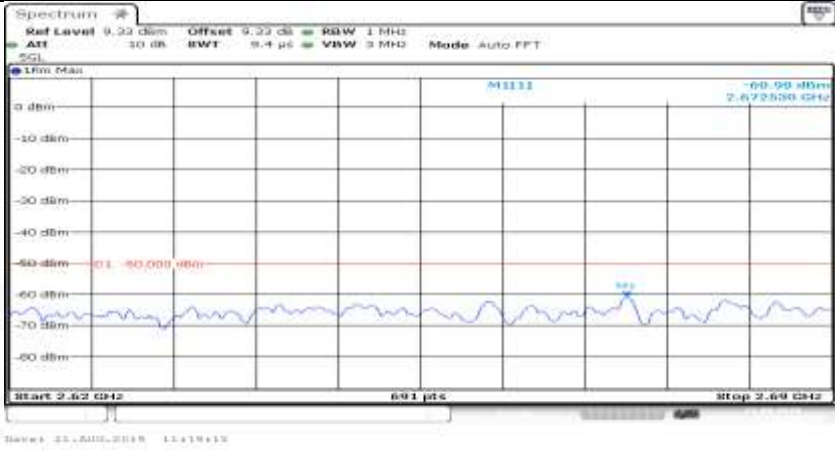
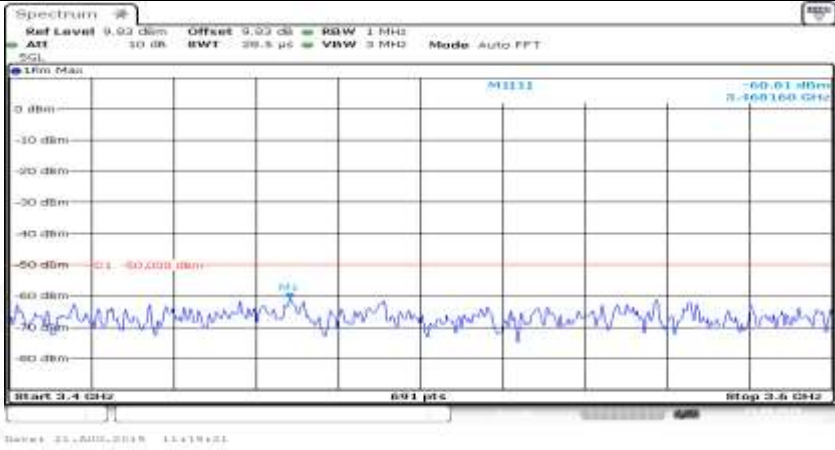
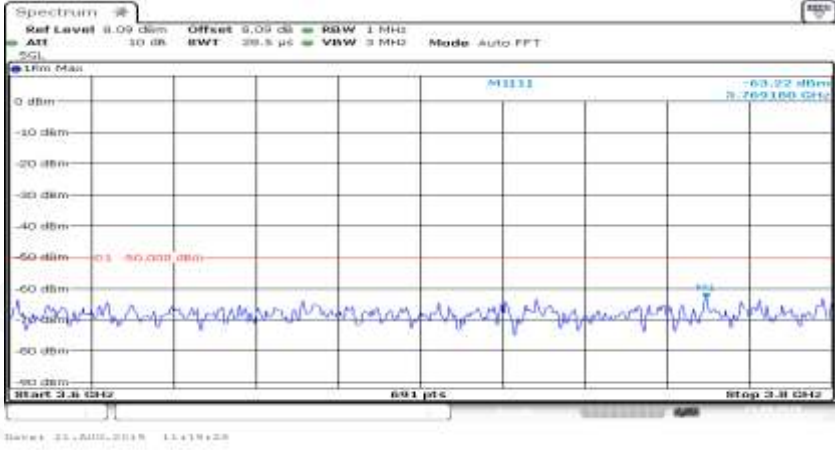
General	
General	
General	

General	
General	
Co-existence	



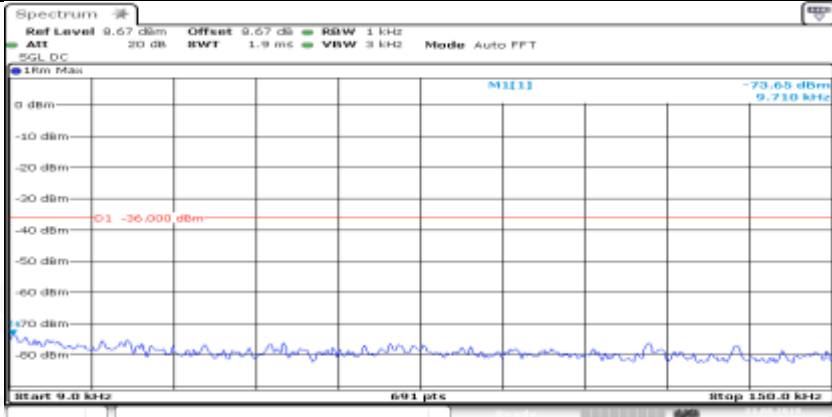
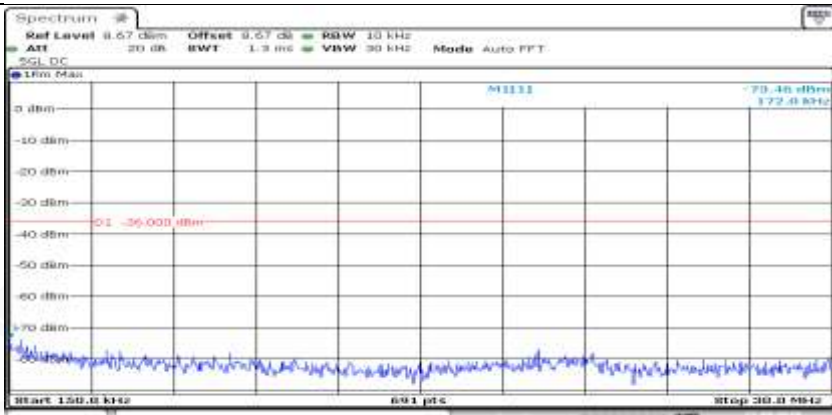
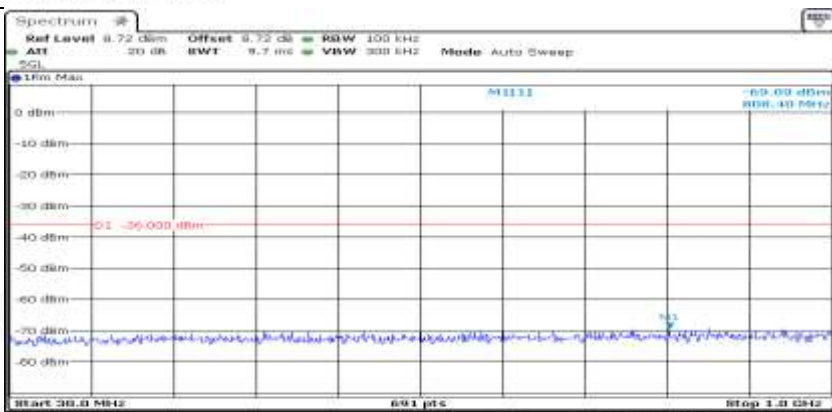
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

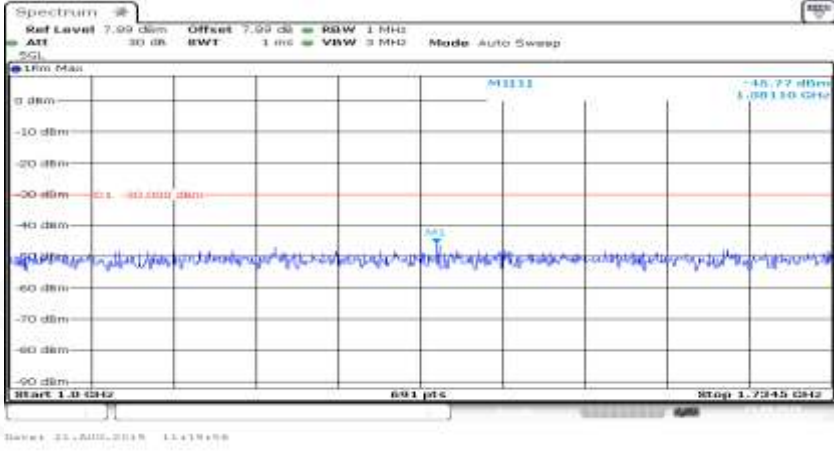
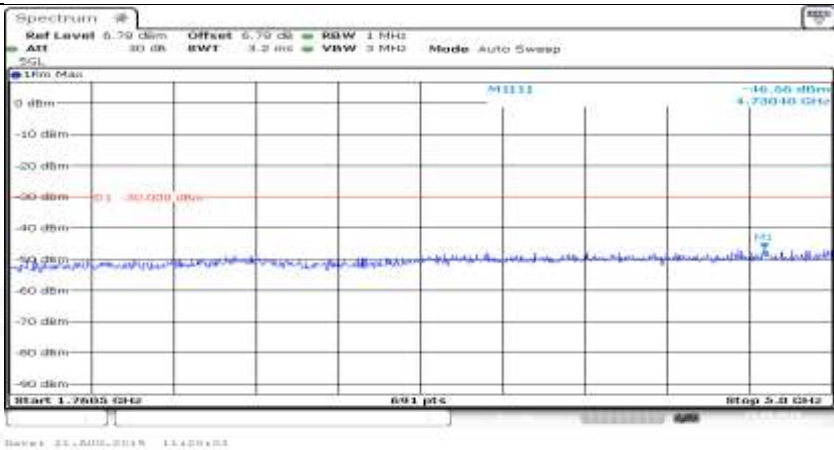
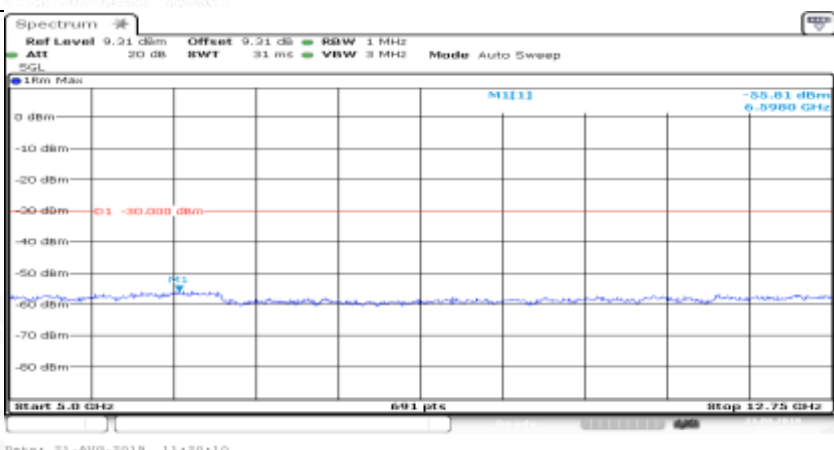
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)\_QPSK\_MCH\_1RB#max

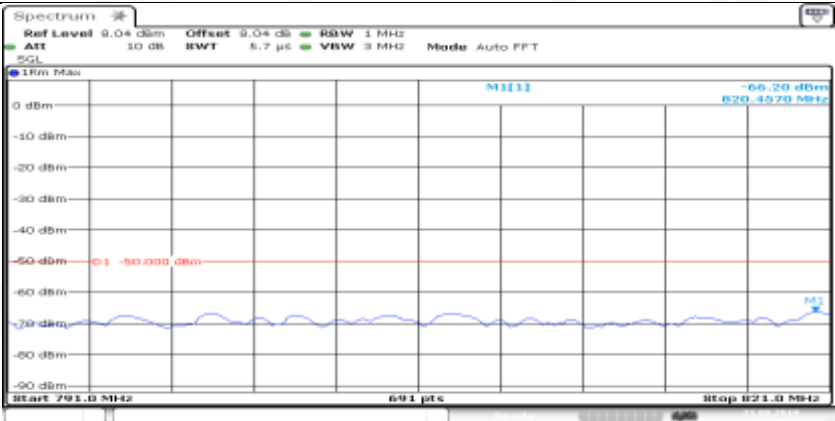
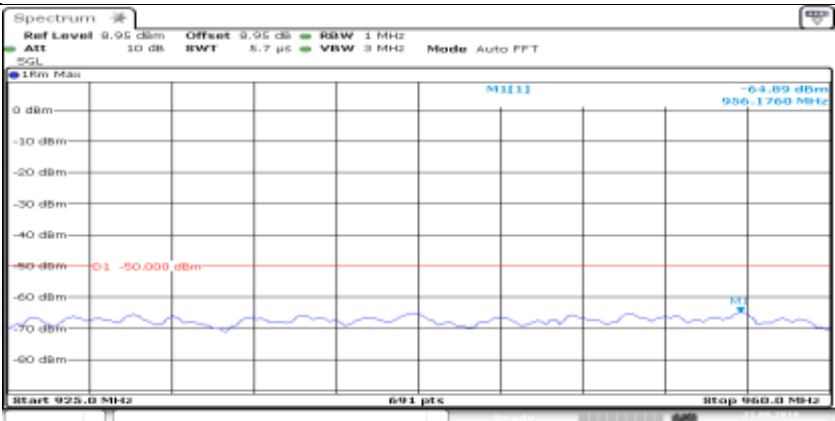



General	 <p>Start 9.0 kHz Stop 150.0 kHz</p>
General	 <p>Start 150.0 kHz Stop 200.0 MHz</p>
General	 <p>Start 200.0 MHz Stop 1.0 GHz</p>

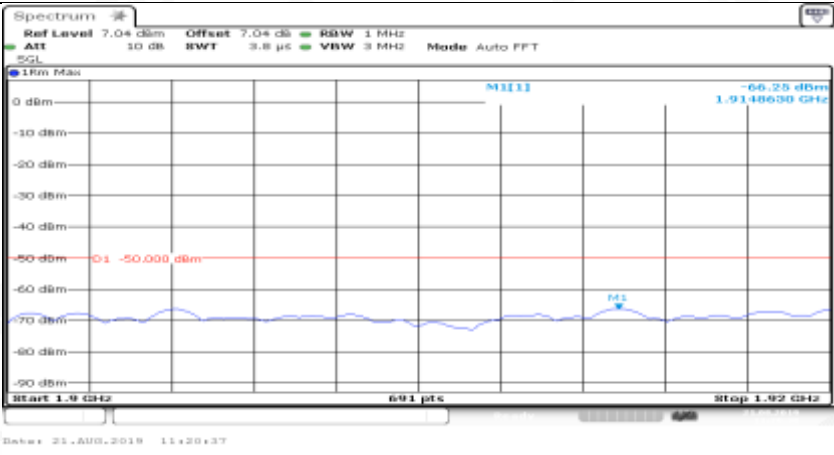
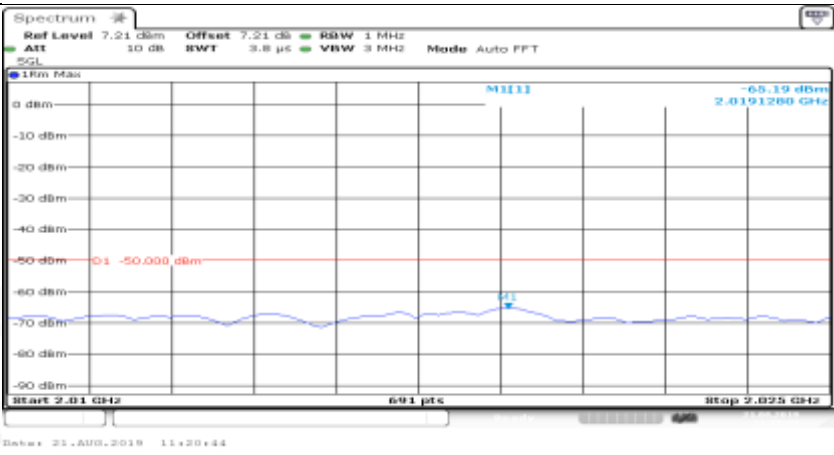



General	
General	
General	

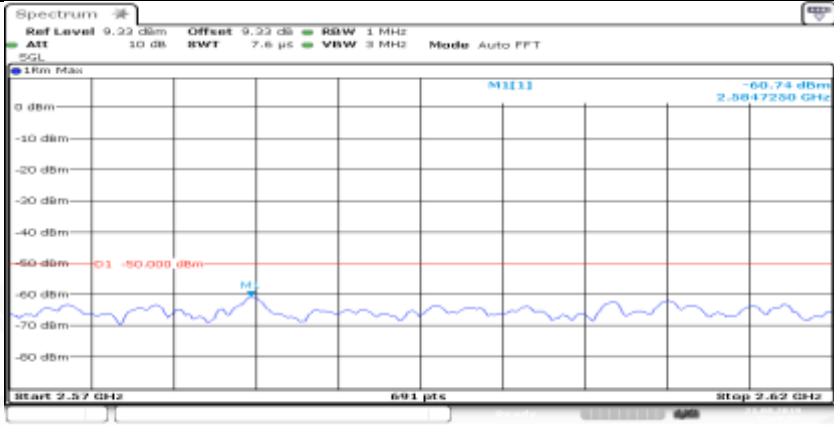

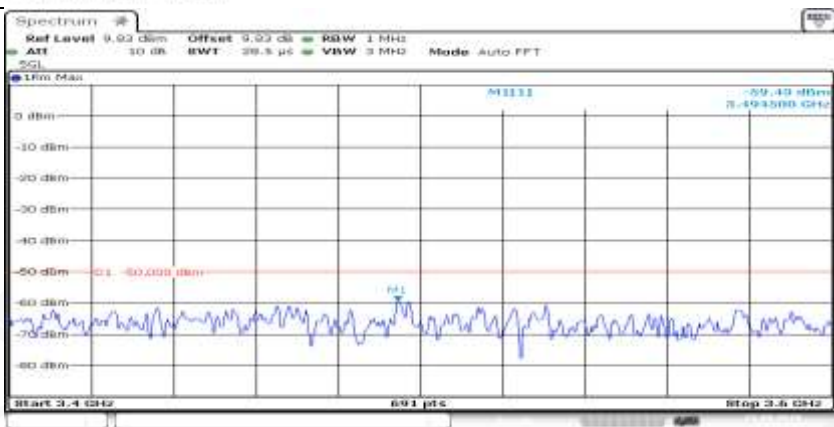


Co-existence	 <p>Start 291.0 MHz Stop 321.0 MHz</p> <p>Peak: M1111, -66.20 dBm, 320.4870 MHz</p>
Co-existence	 <p>Start 925.0 MHz Stop 955.0 MHz</p> <p>Peak: M1111, -64.09 dBm, 956.1760 MHz</p>
Co-existence	 <p>Start 1.300 MHz Stop 1.380 MHz</p> <p>Peak: M1111, -65.47 dBm, 1.377450 MHz</p>

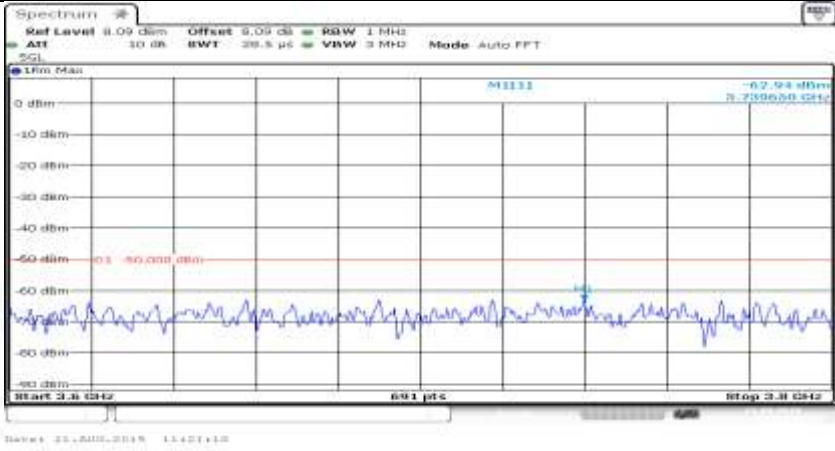


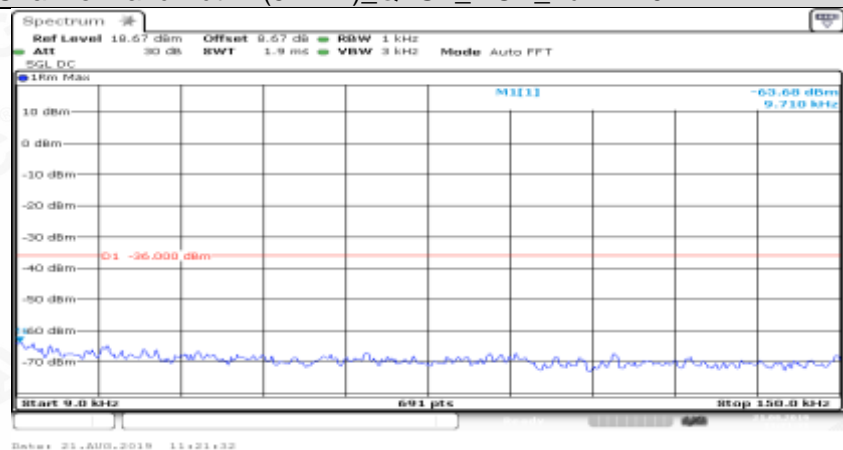
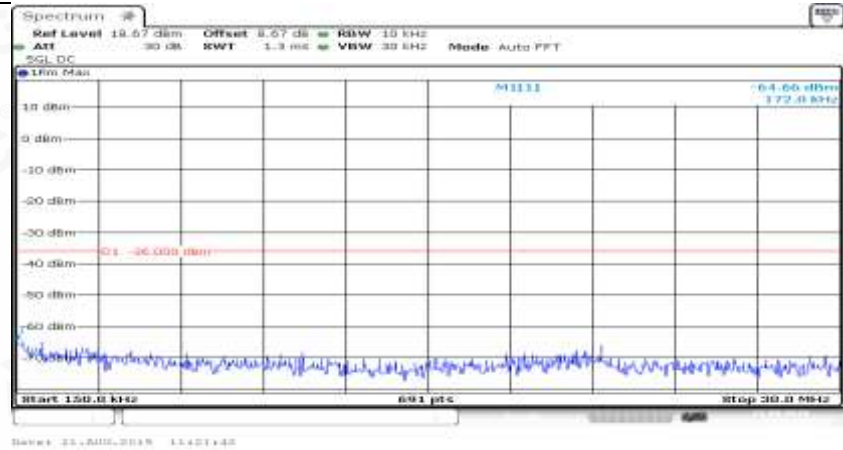
Co-existence	
Co-existence	
Co-existence	



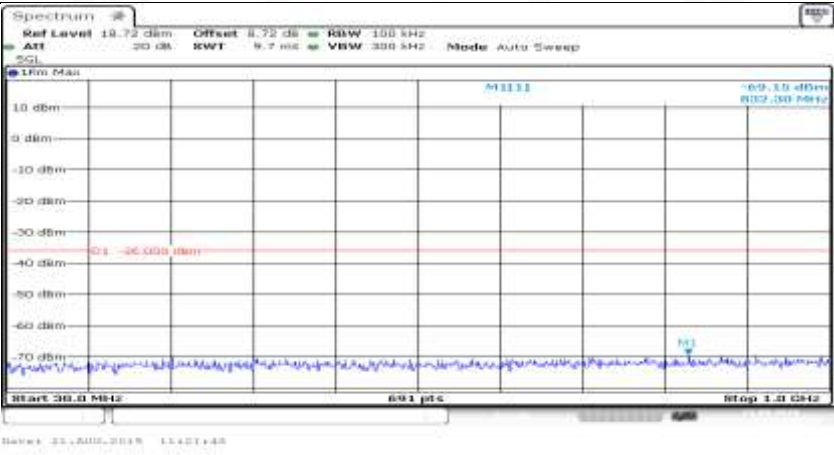
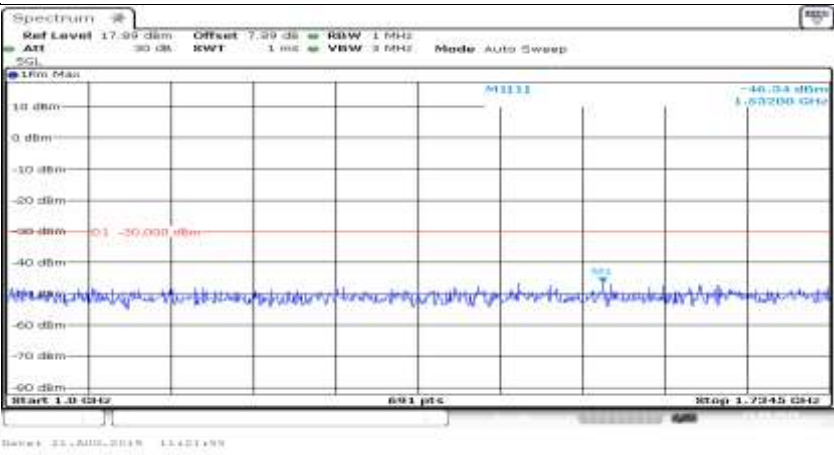
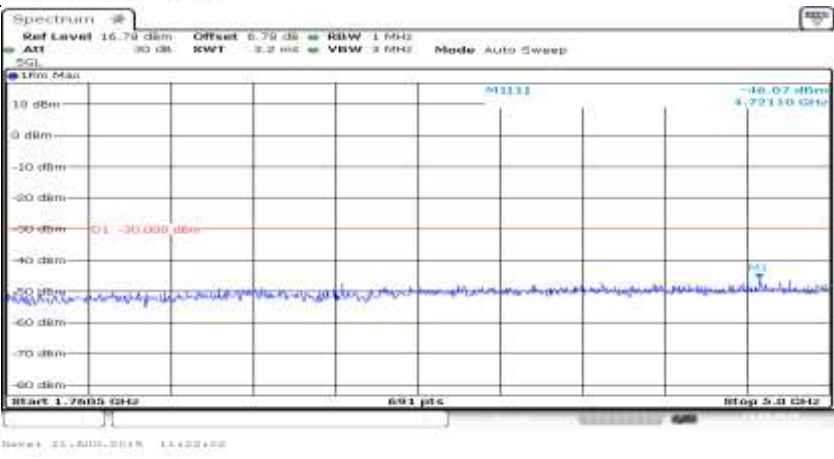
Co-existence	
Co-existence	
Co-existence	



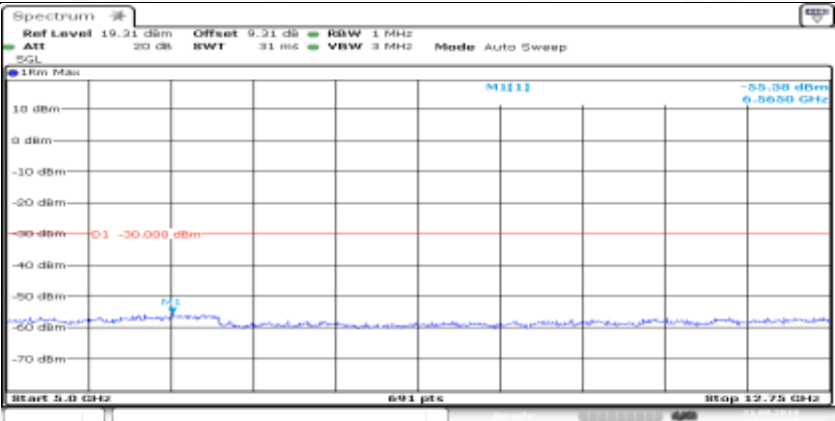

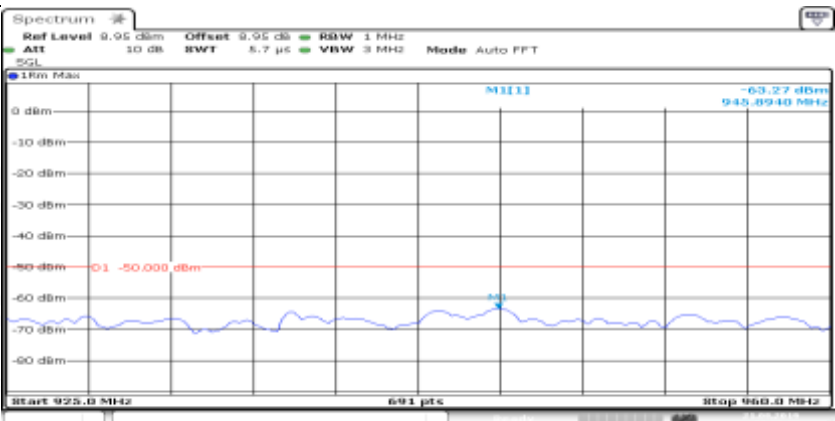
Co-existence	
Additional	NA

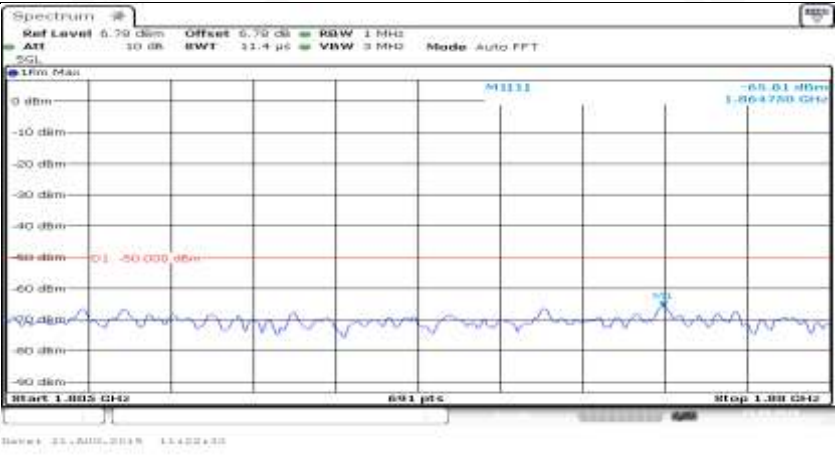
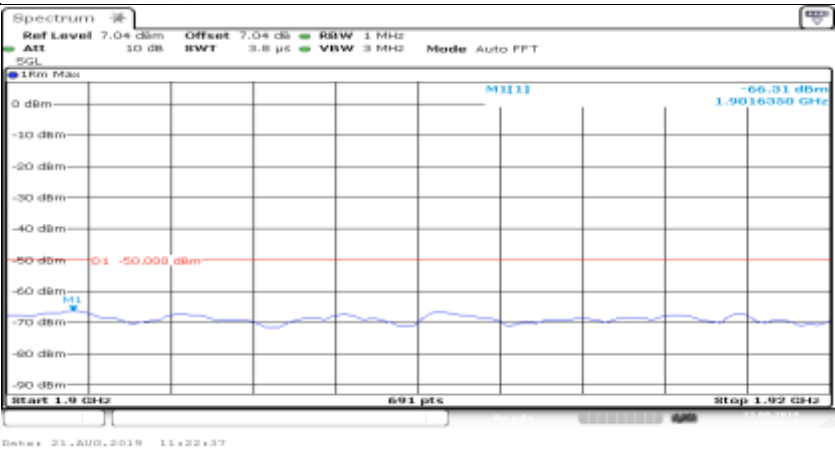
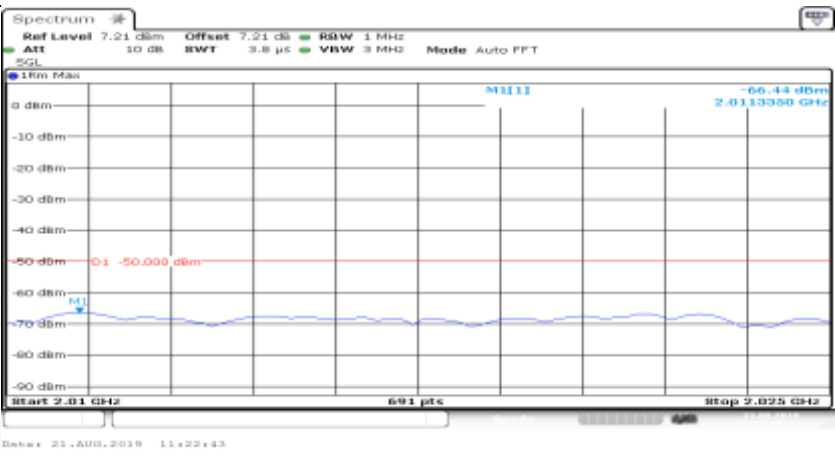
Channel Bandwidth= (5 MHz)_QPSK_MCH_FullIRB#0	
General	
General	



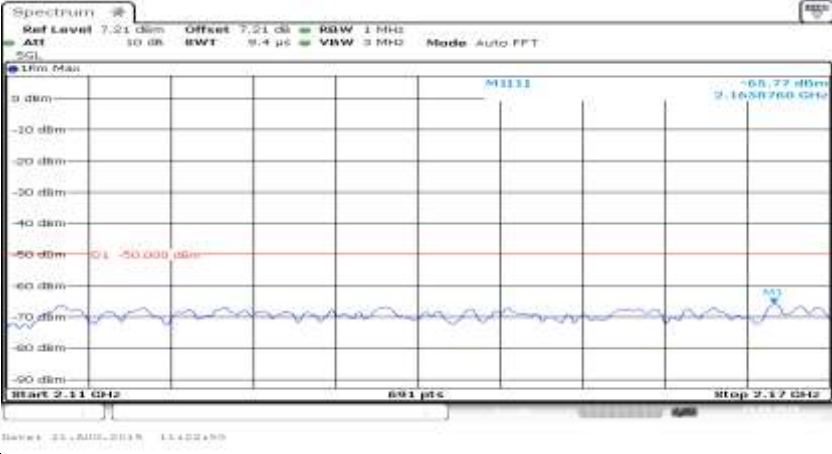

General	
General	
General	



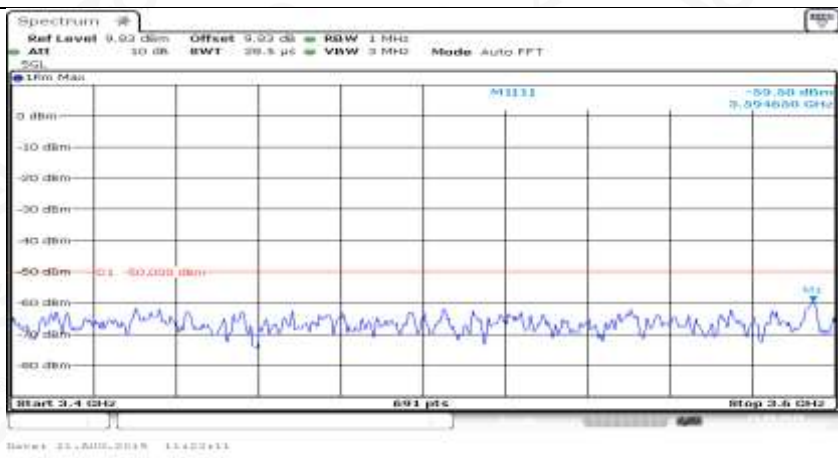
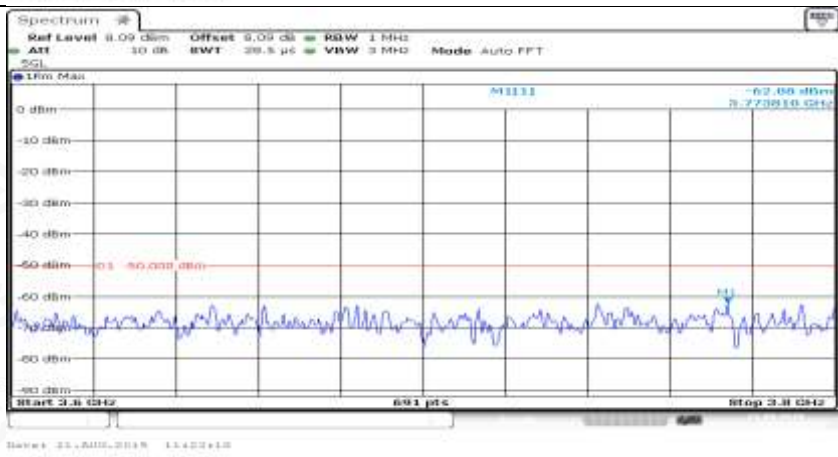
General	 <p>Spectrum</p> <p>Ref Level 19.31 dBm Offset 9.31 dB RBW 1 MHz Mode Auto Sweep</p> <p>ATT 20 dB BW 31 ms VBW 3 MHz</p> <p>10 dBm</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>-100 dBm</p> <p>-30.000 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:22:09</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 MHz VBW 3 MHz</p> <p>10 dBm</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>-100 dBm</p> <p>-50.000 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:22:10</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB RBW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 MHz VBW 3 MHz</p> <p>10 dBm</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>-100 dBm</p> <p>-50.000 dBm</p> <p>Start 925.0 MHz Stop 955.0 MHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:22:23</p>

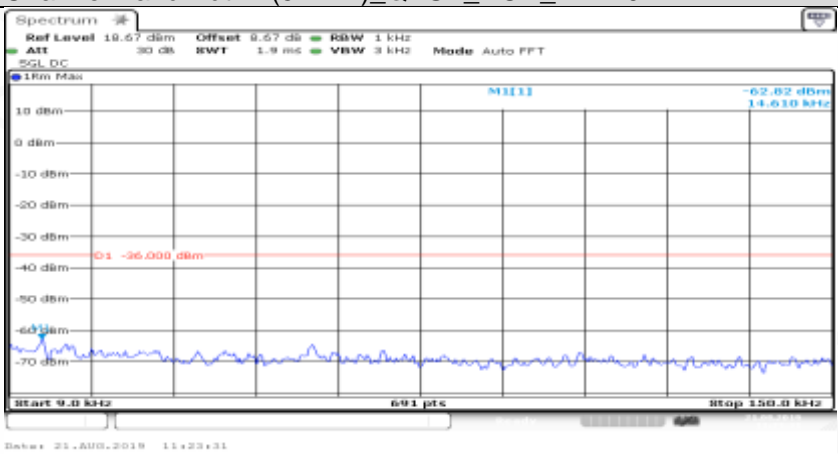
Co-existence	
Co-existence	
Co-existence	

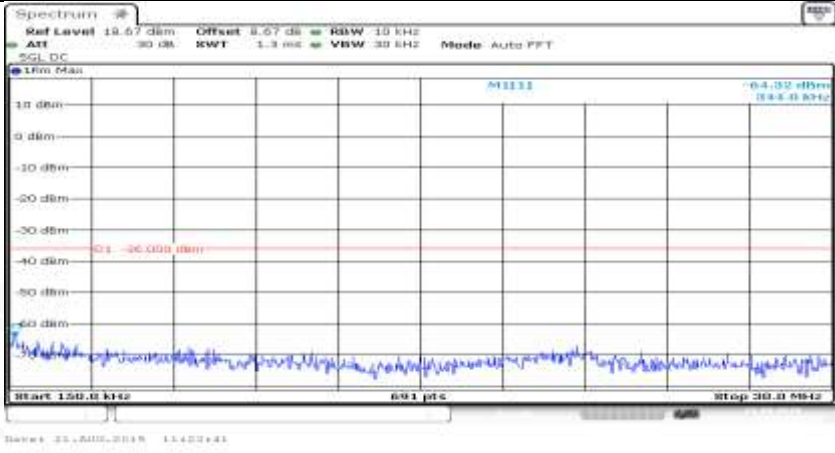
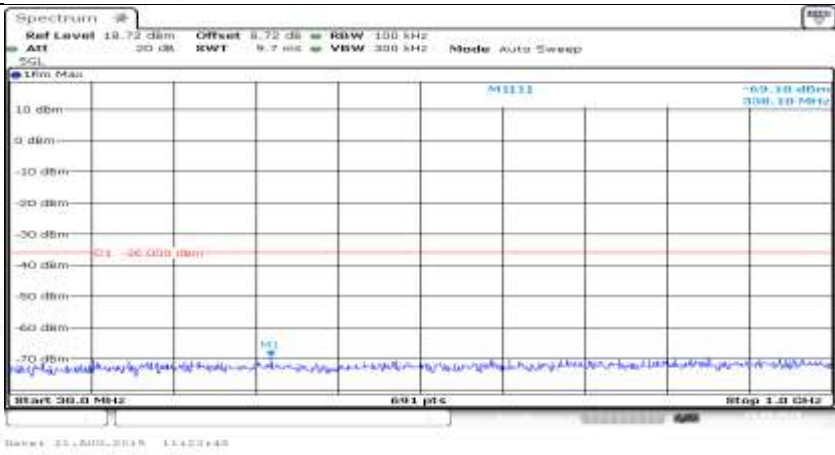
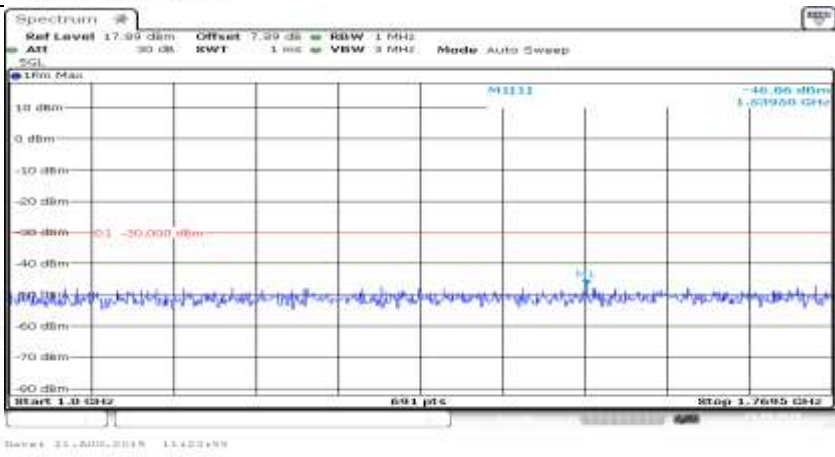


Co-existence	
Co-existence	
Co-existence	

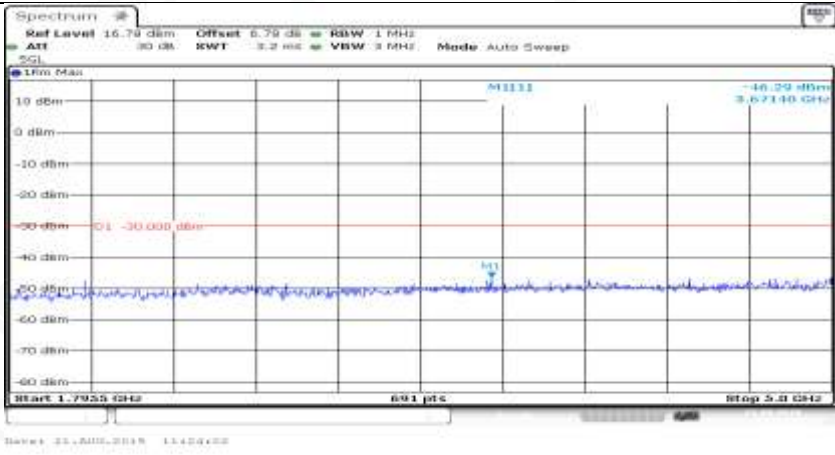
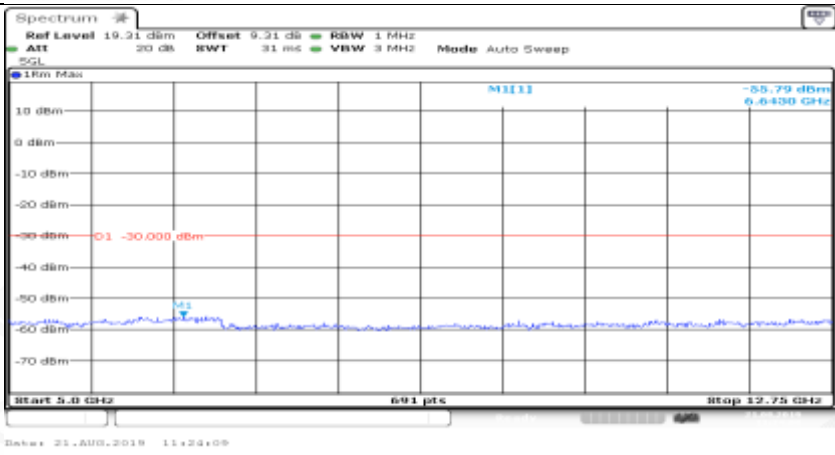
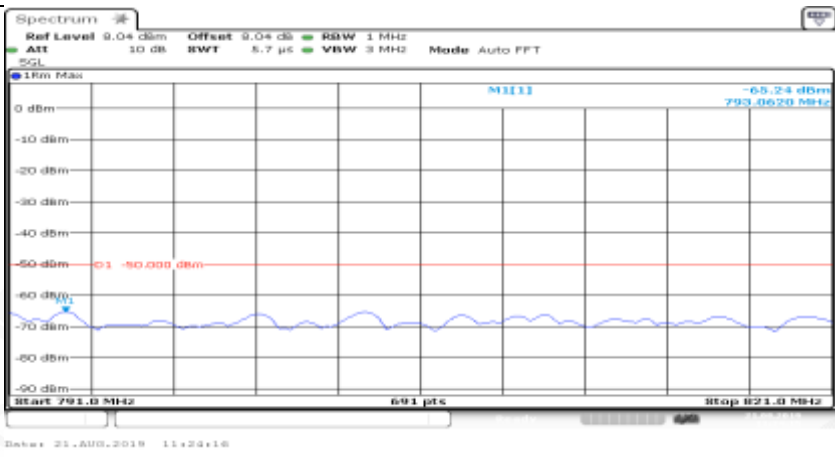


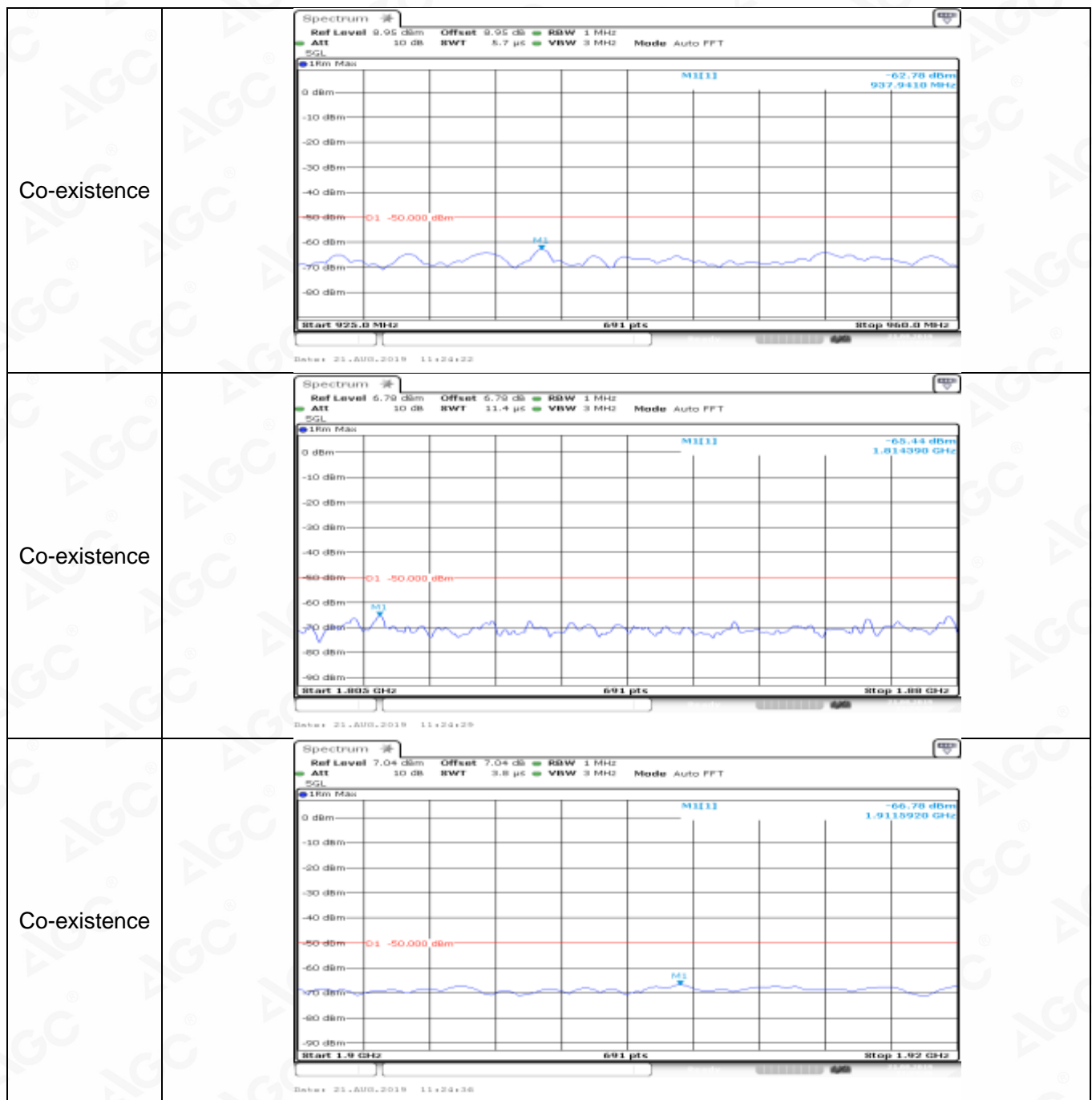
Co-existence	
Co-existence	
Additional	NA

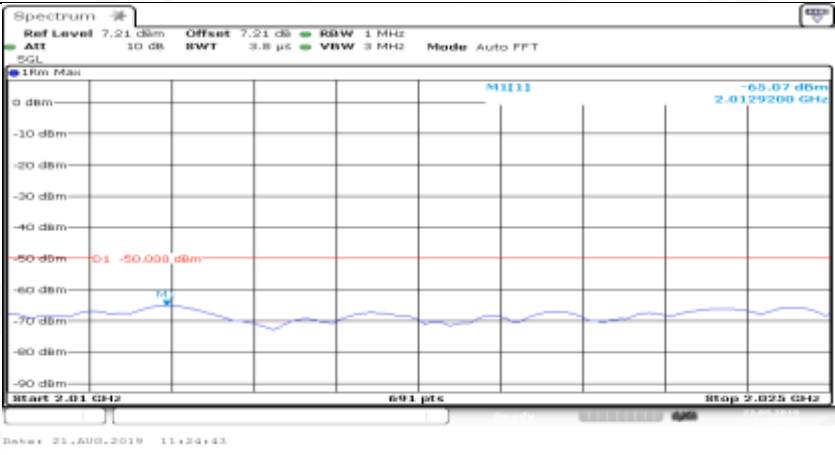

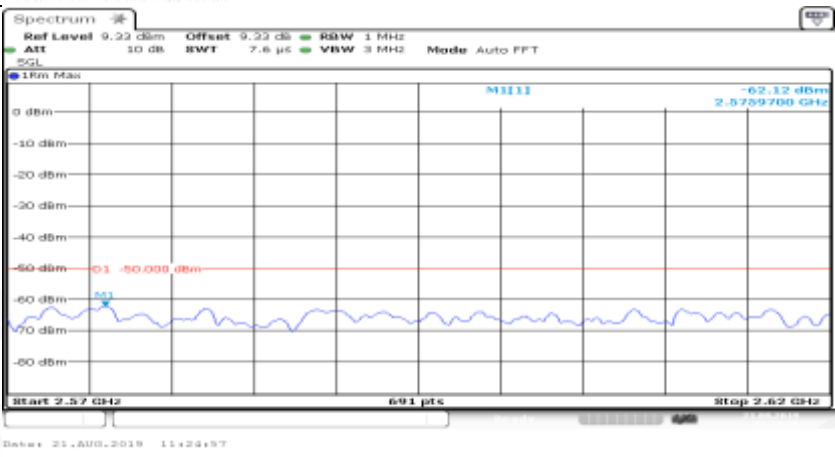
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

General	
General	
General	

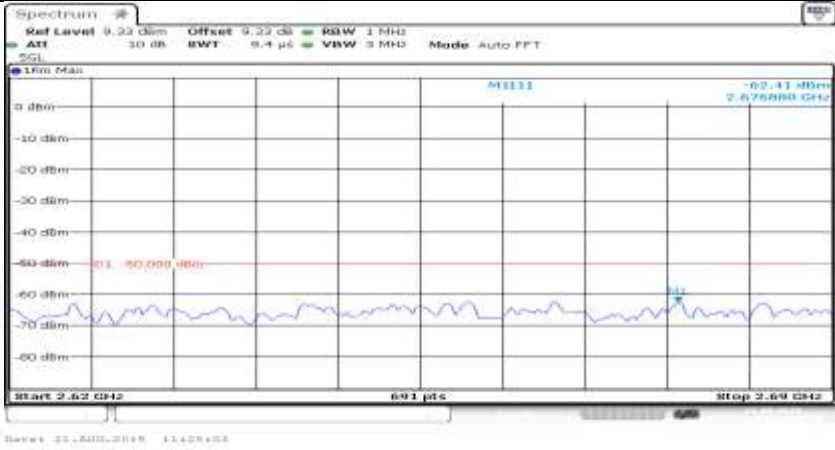
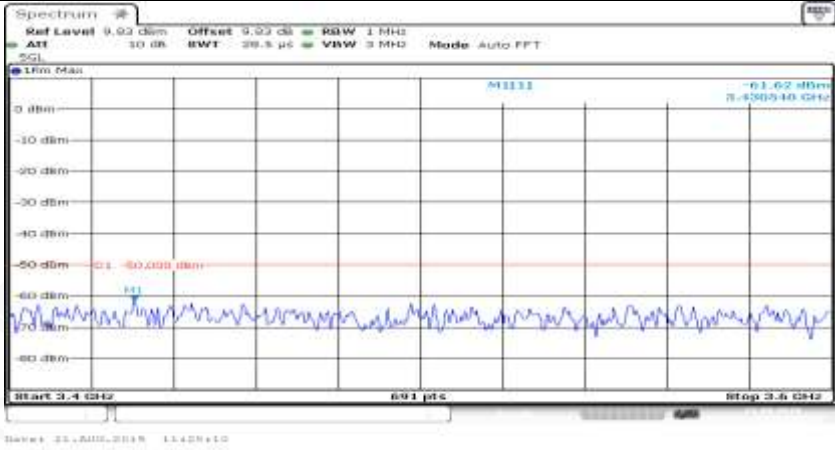
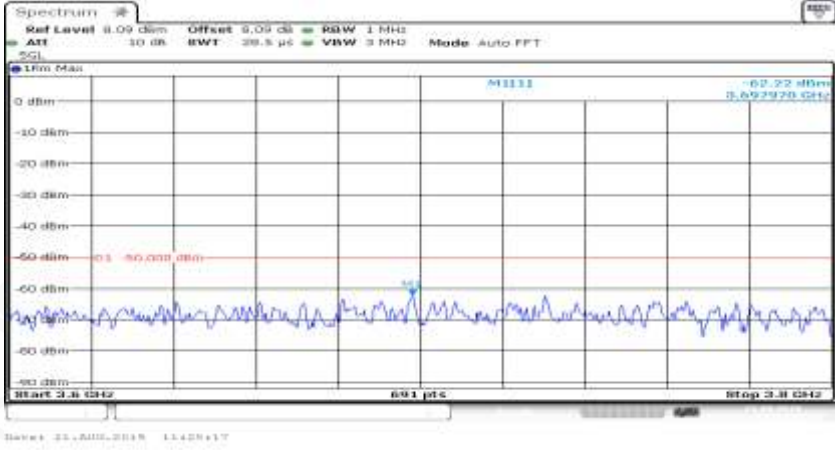


General	
General	
Co-existence	

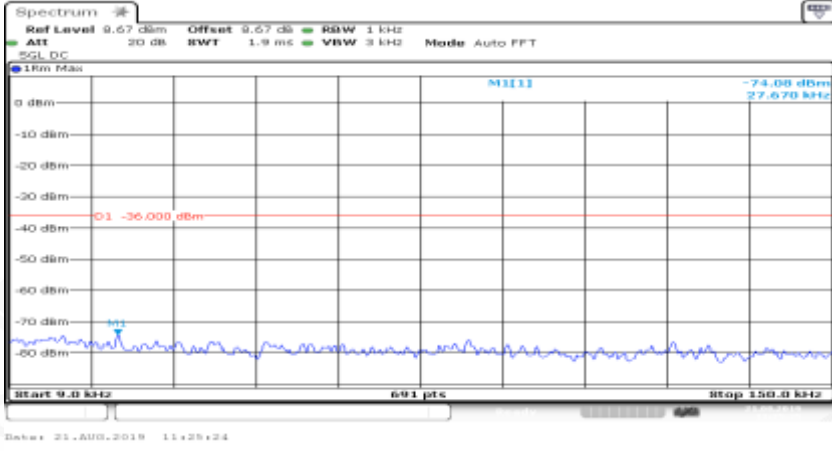
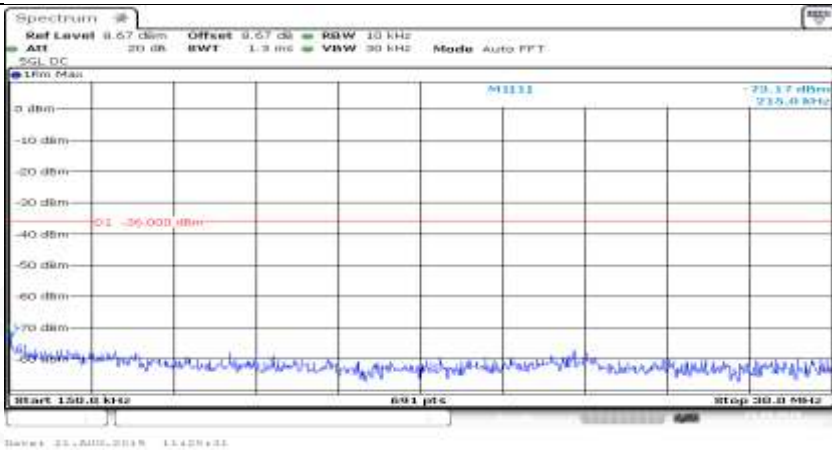
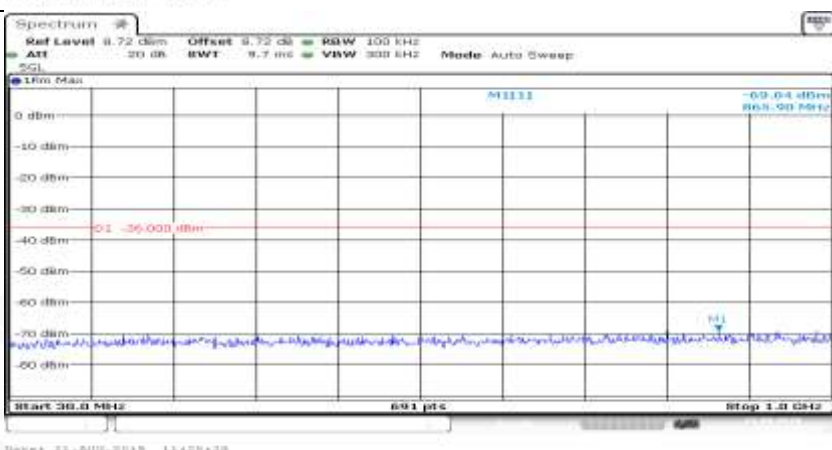


Co-existence	
Co-existence	
Co-existence	

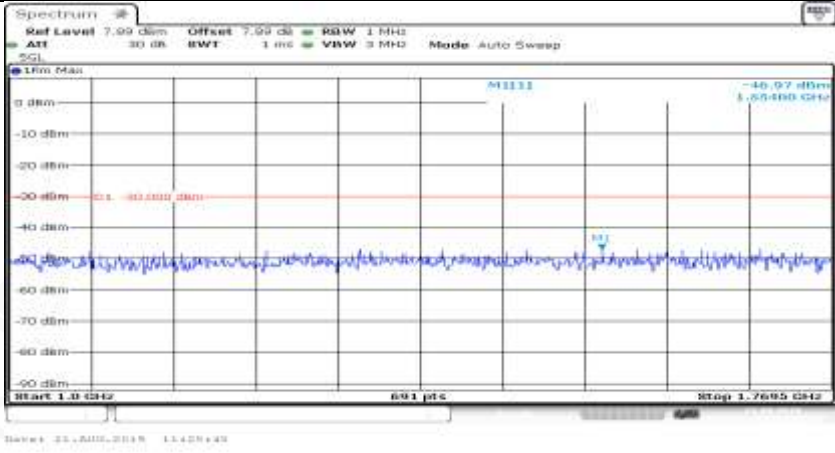
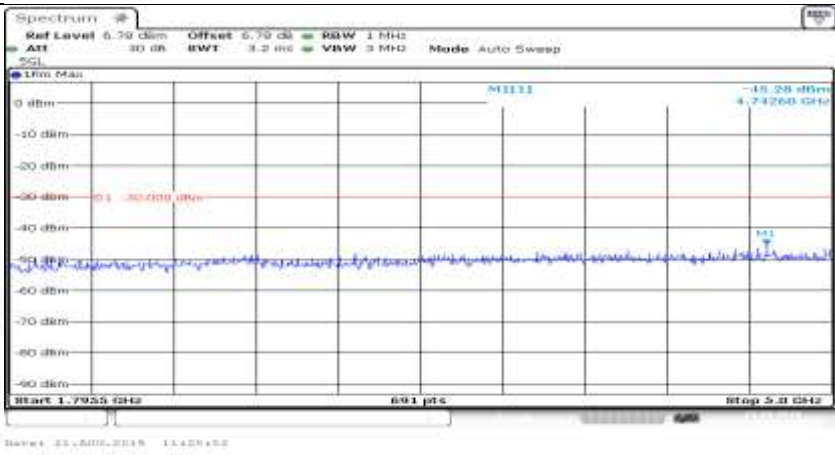
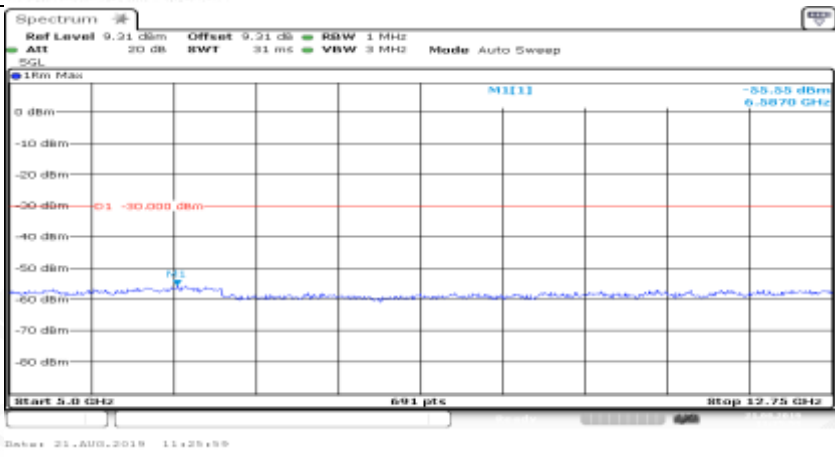


Co-existence	
Co-existence	
Co-existence	
Additional	NA

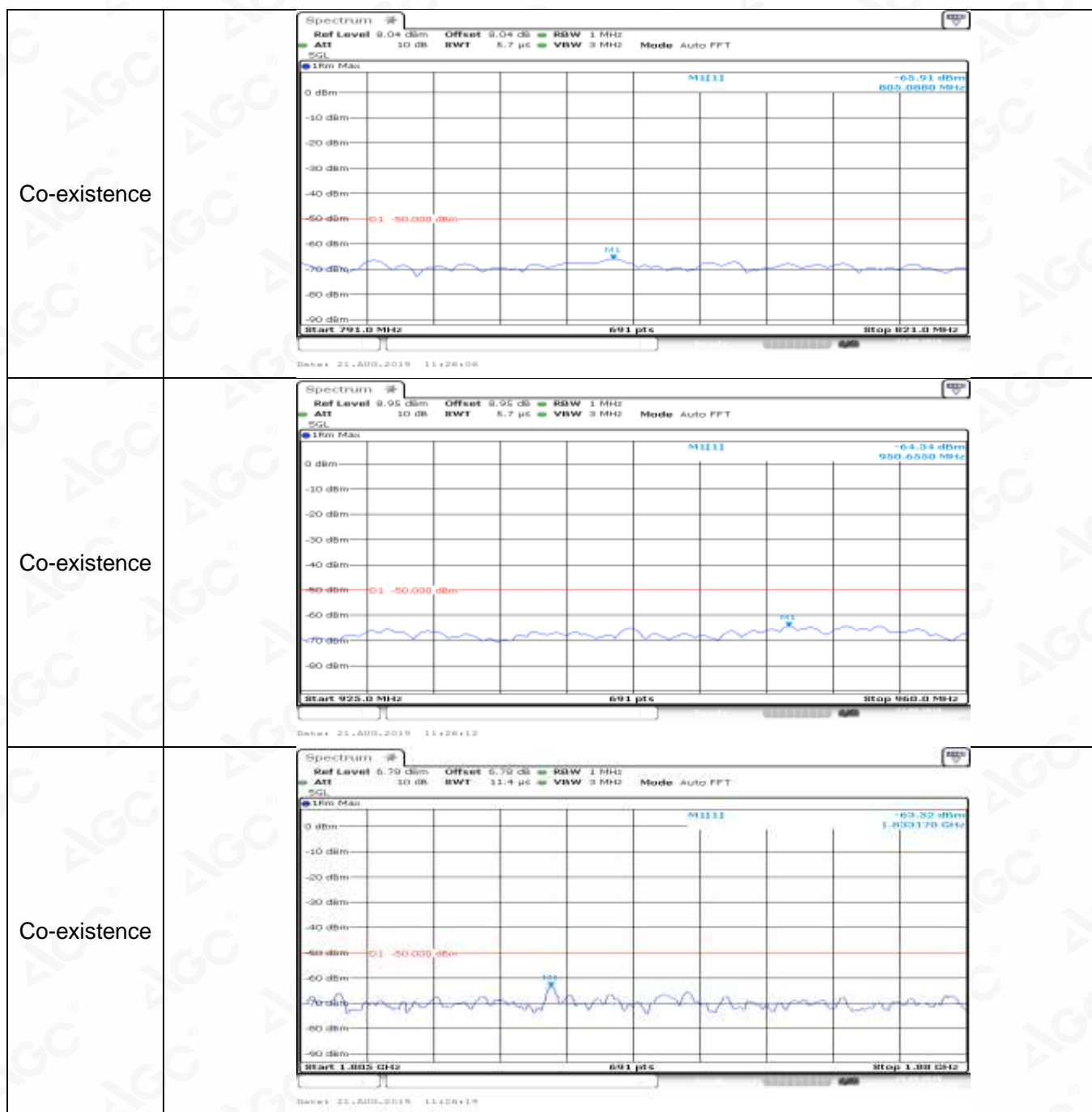
Channel Bandwidth= (5 MHz)\_QPSK\_HCH\_1RB#max

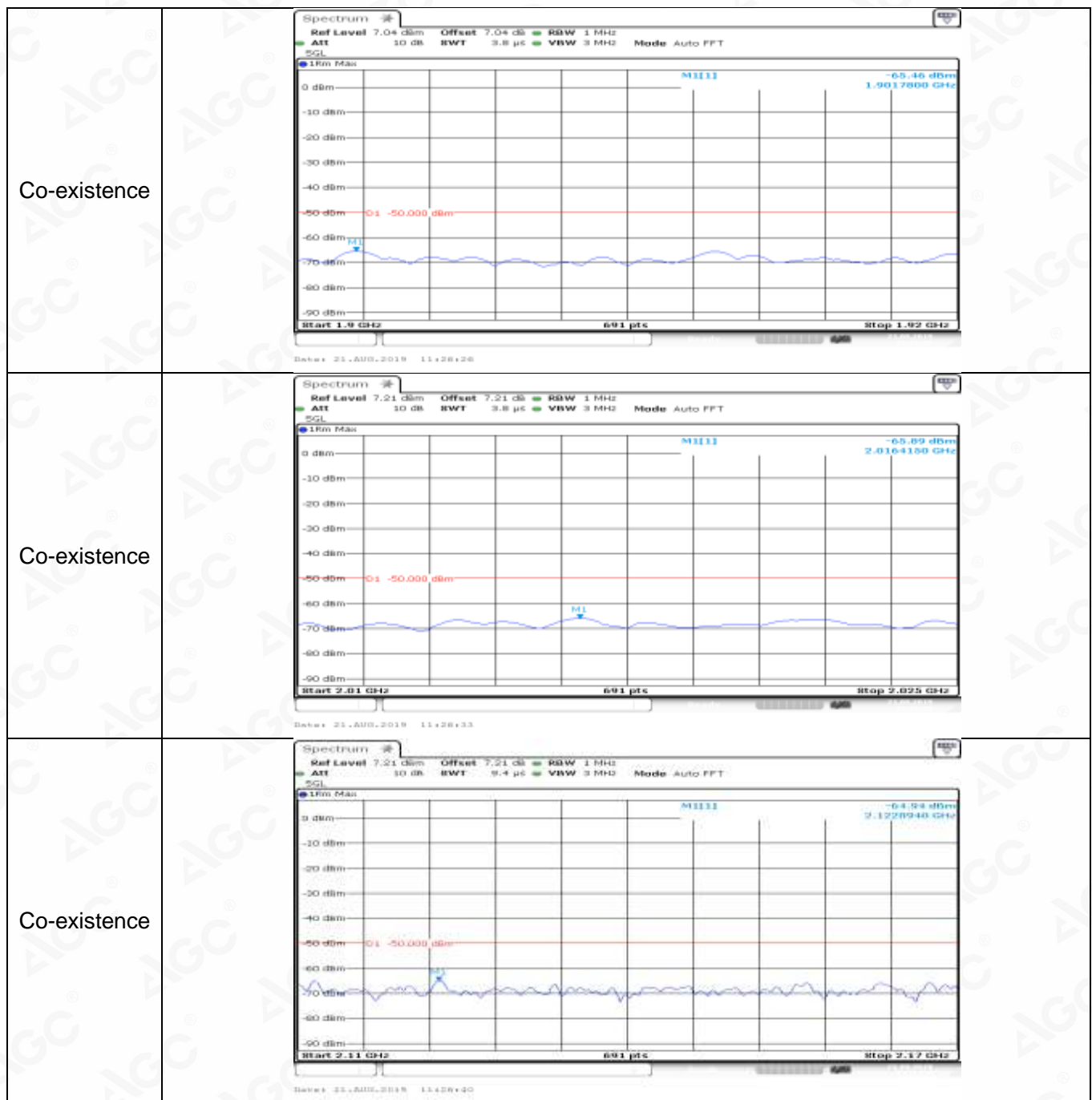
General	
General	
General	

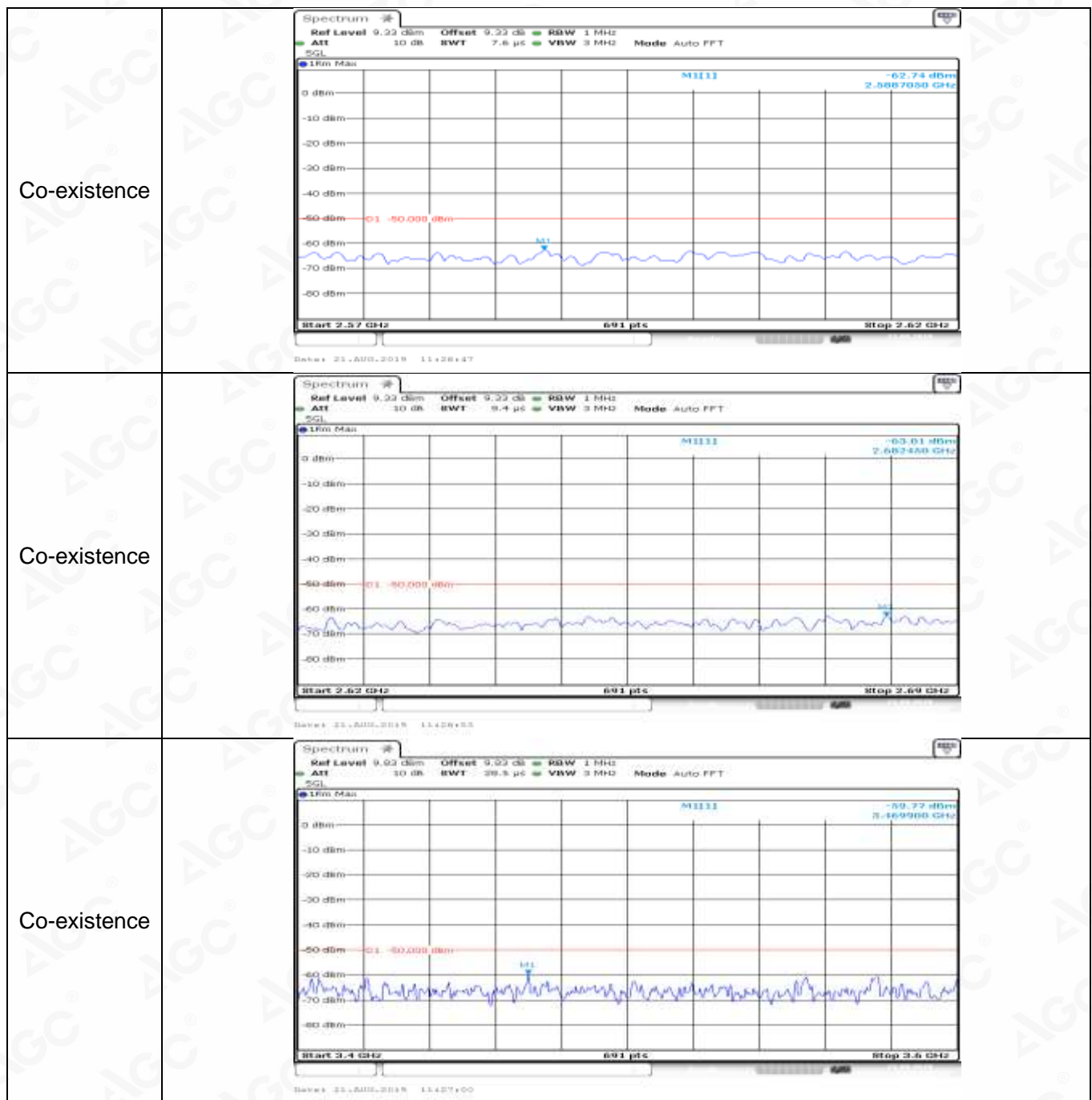


General	
General	
General	

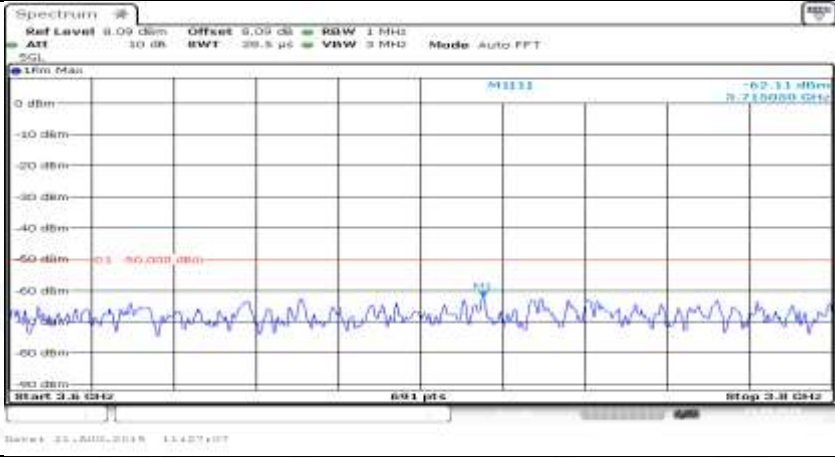


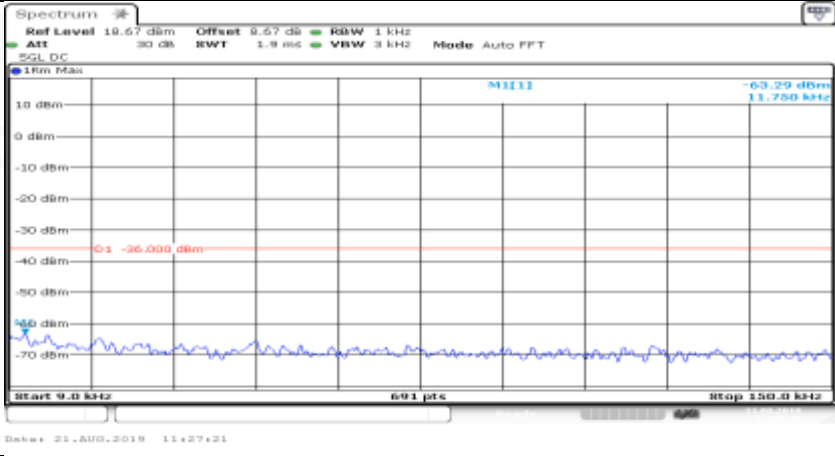
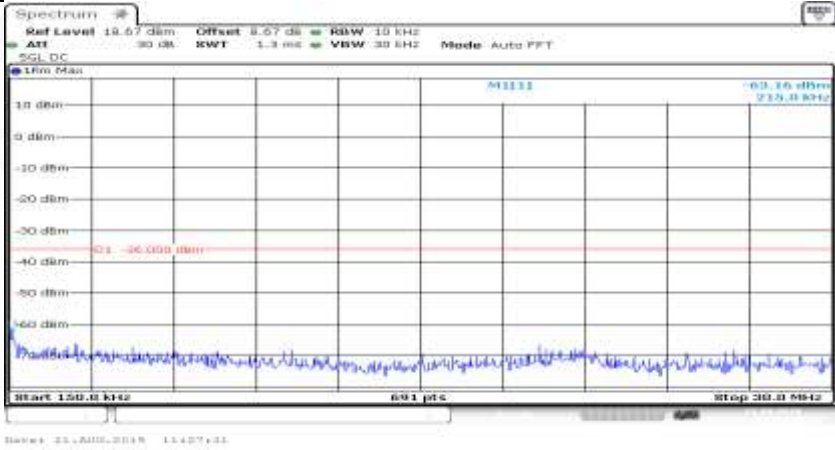


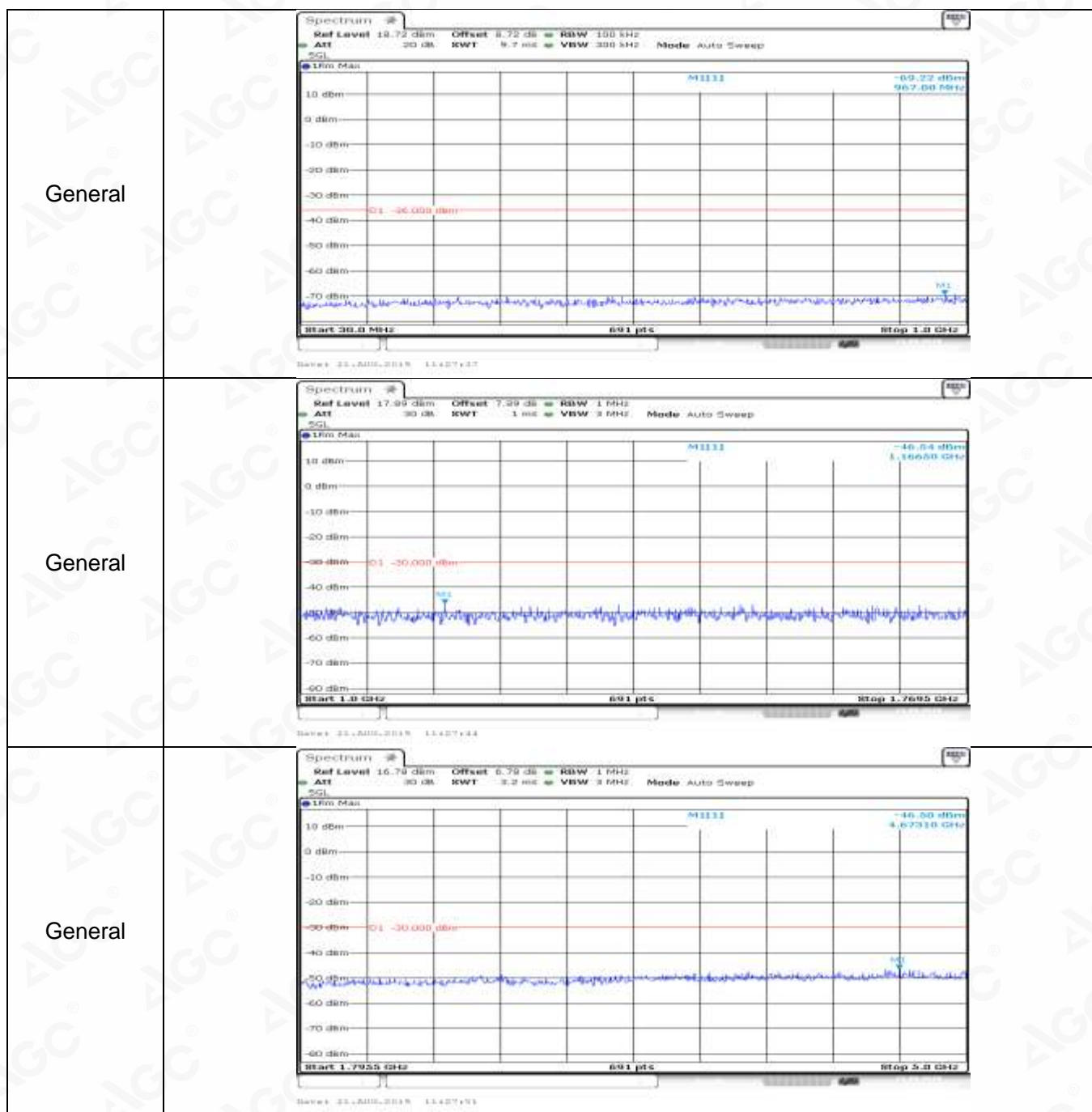


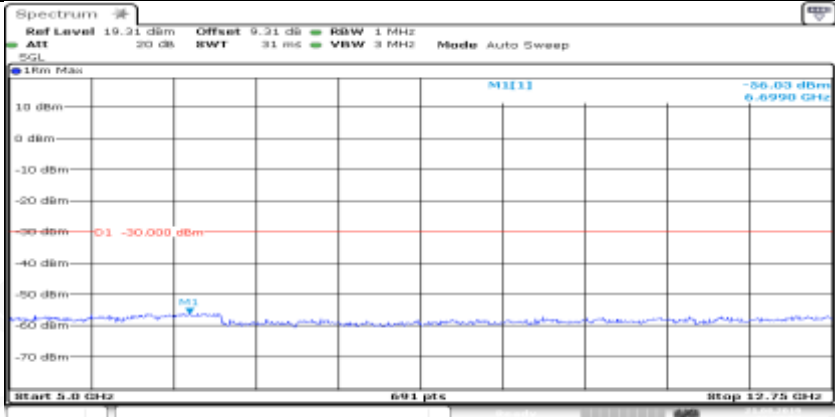
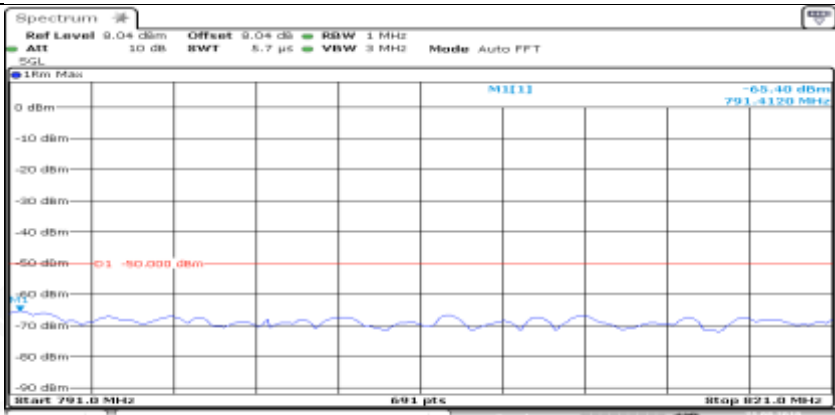
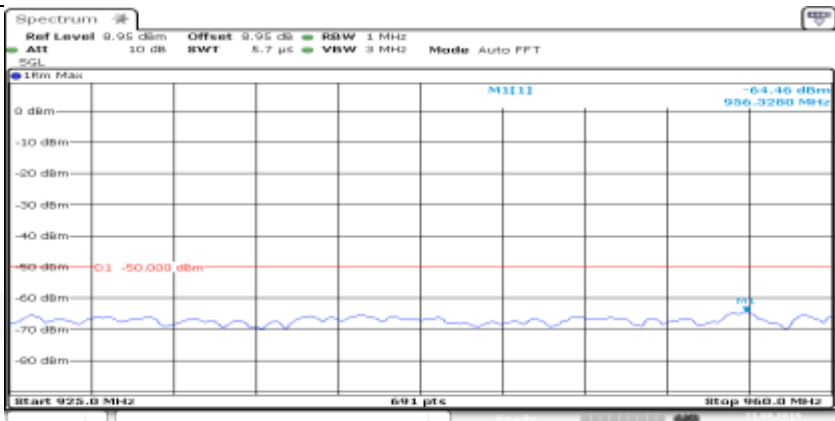




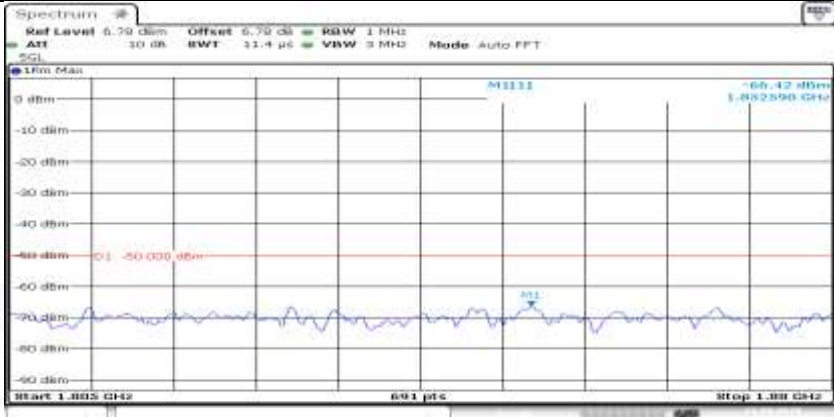
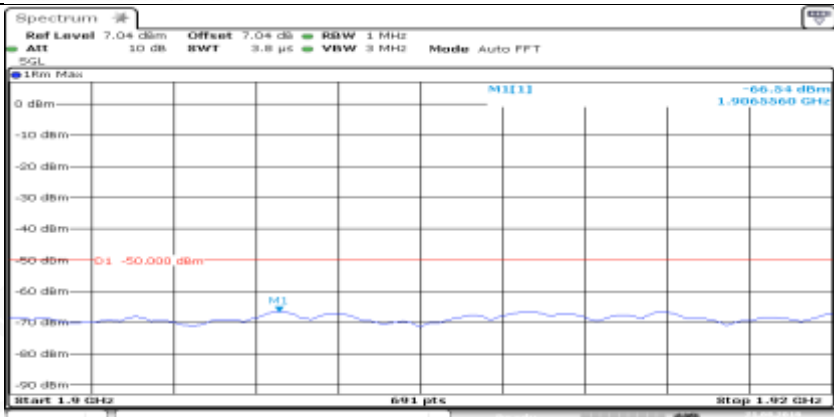
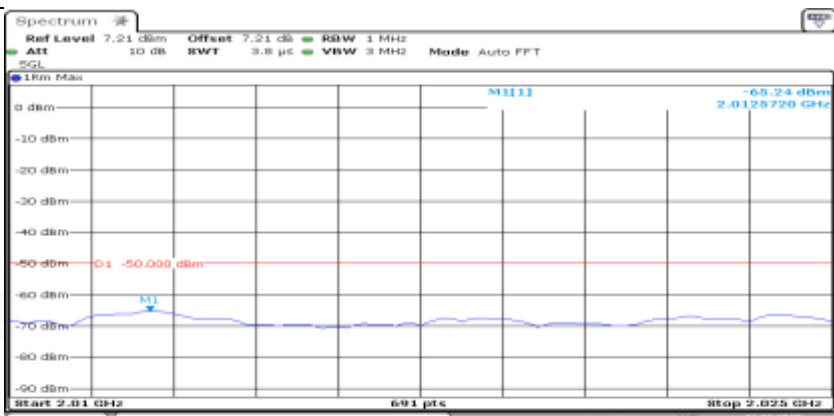
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_FullIRB#0	
General	
General	


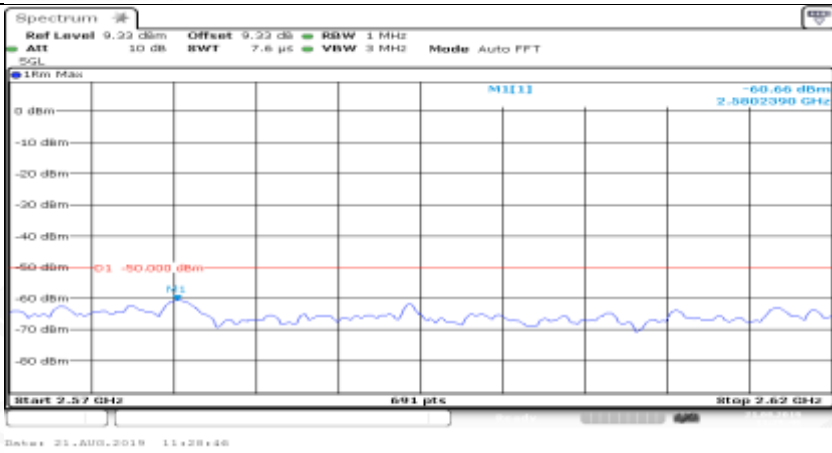
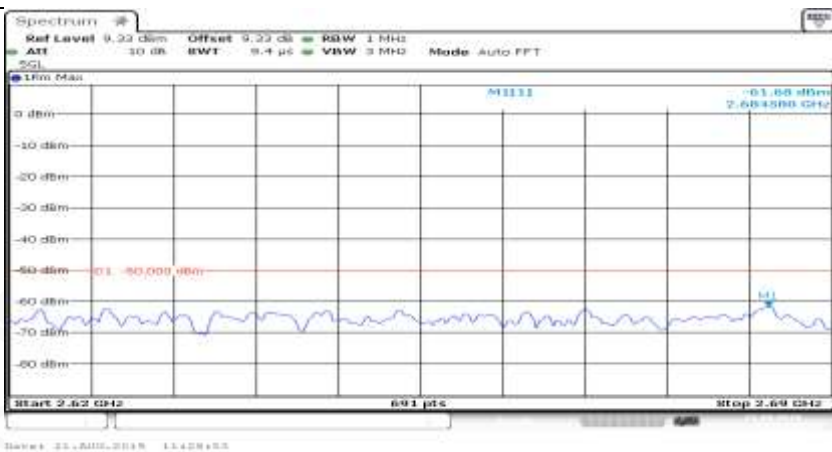


General	
Co-existence	
Co-existence	

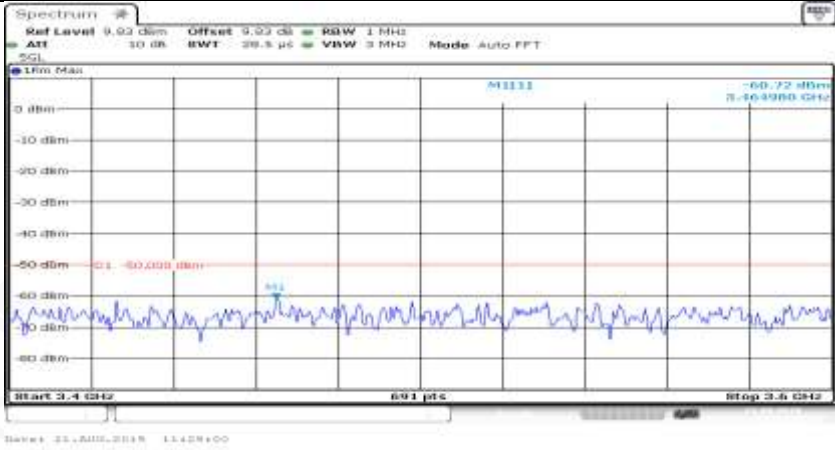
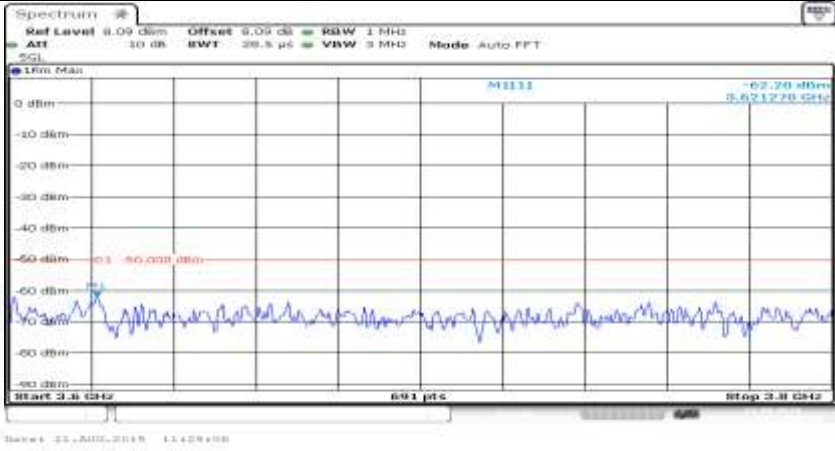


Co-existence	 <p>Spectrum</p> <p>Ref Level 6.79 dBm Offset 6.79 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 3.14 MHz VBW 3 MHz</p> <p>1RM Max</p> <p>M1111 -66.42 dBm 1.3815 GHz</p> <p>Start 1.3815 GHz Stop 1.381 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:28:19</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 3.8 MHz VBW 3 MHz</p> <p>1RM Max</p> <p>M1111 -66.54 dBm 1.9065568 GHz</p> <p>Start 1.9 GHz Stop 1.92 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:28:26</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 3.8 MHz VBW 3 MHz</p> <p>1RM Max</p> <p>M1111 -66.24 dBm 2.0125728 GHz</p> <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 11:28:32</p>



Co-existence	
Co-existence	
Co-existence	

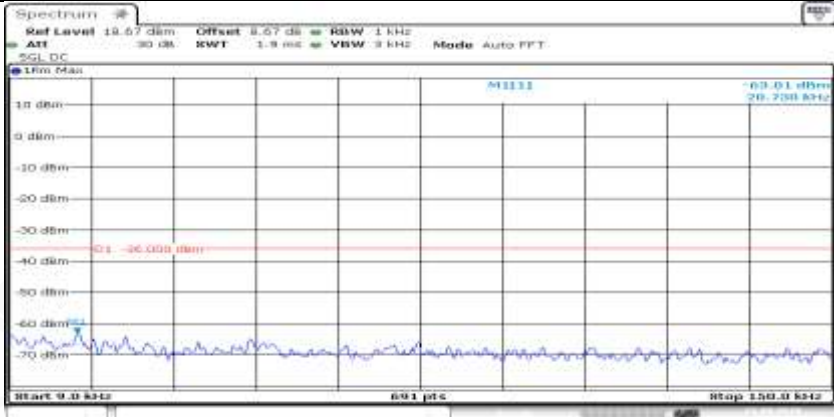
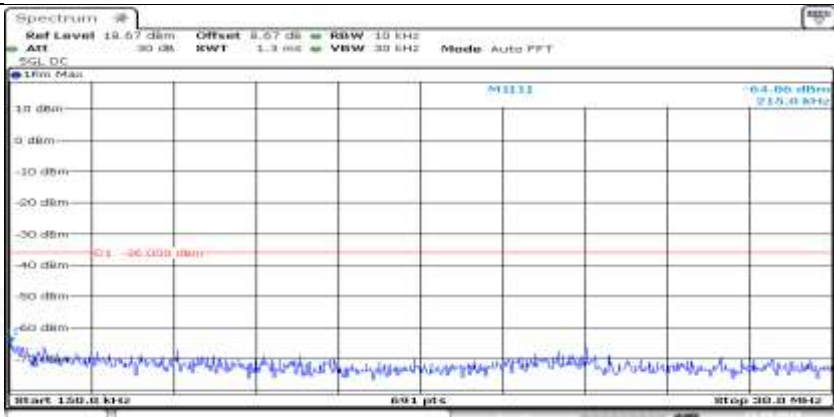
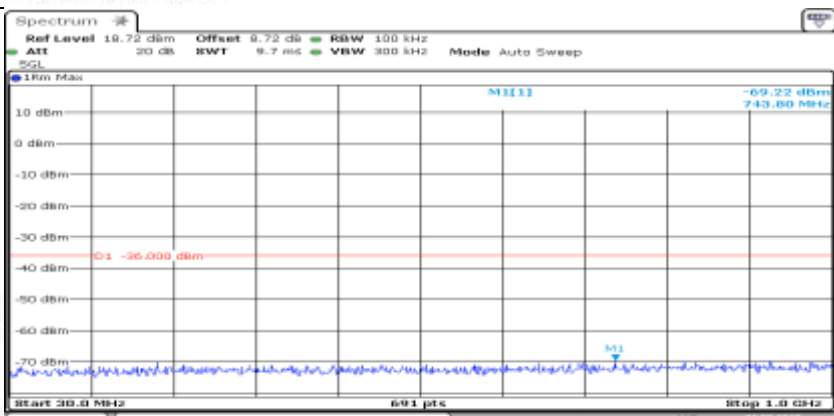


Co-existence	
Co-existence	
Additional	NA

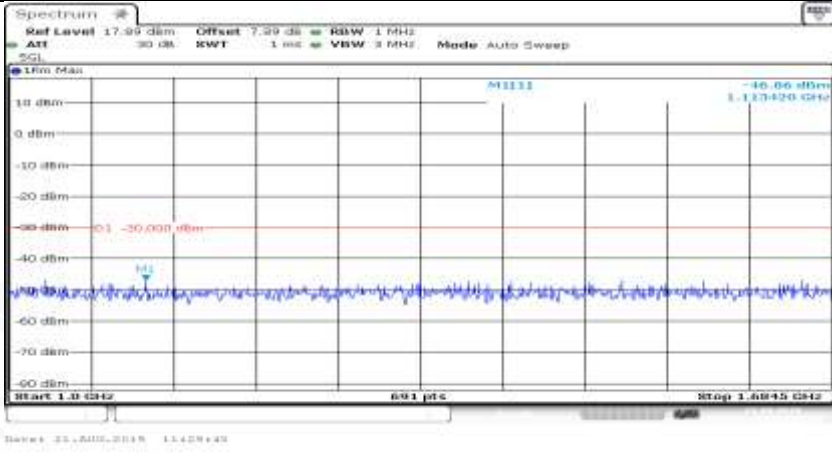
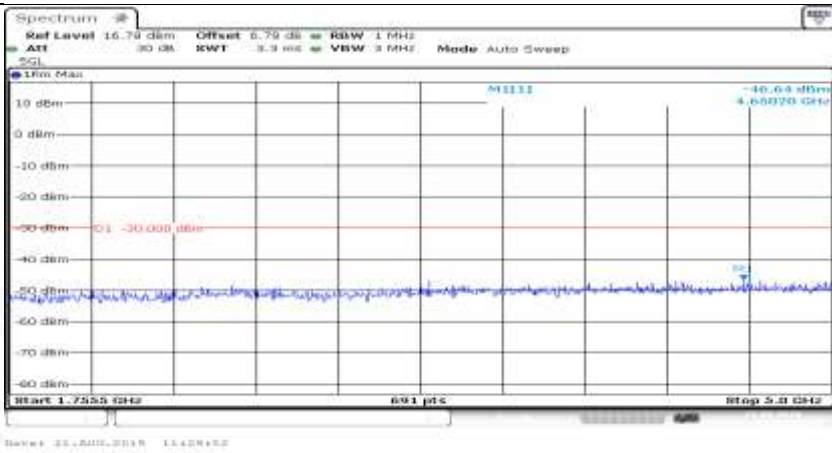
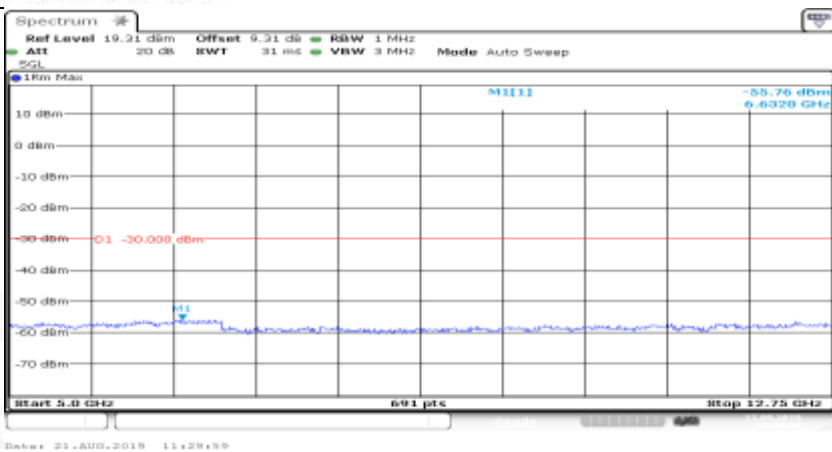
Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_1RB#0

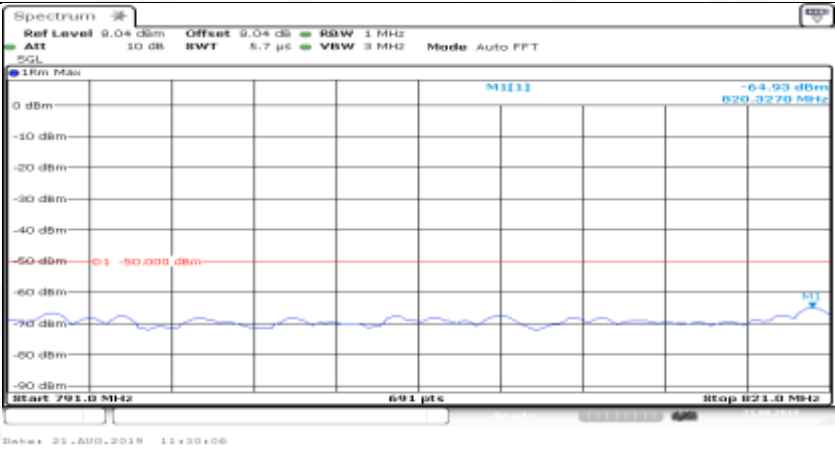
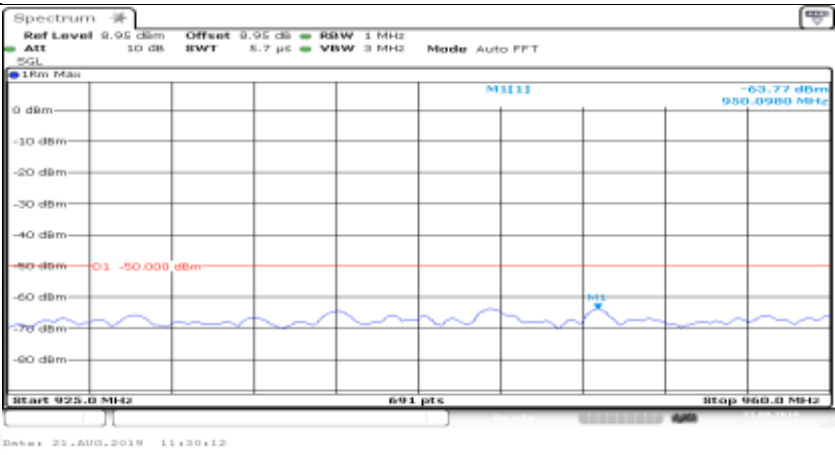



General	
General	
General	

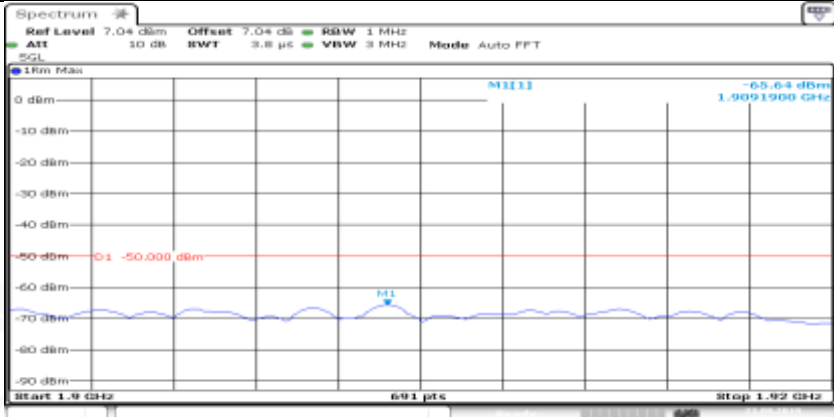
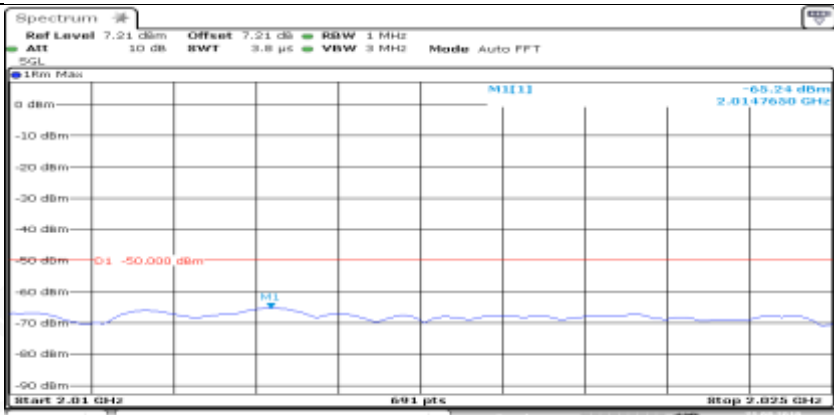
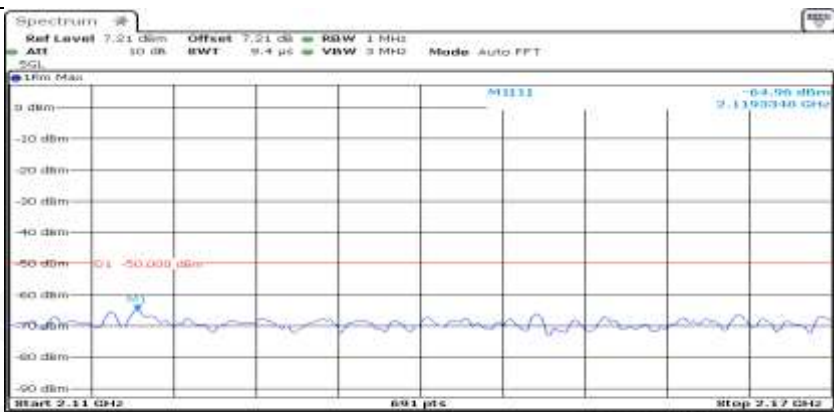


General	
General	
General	

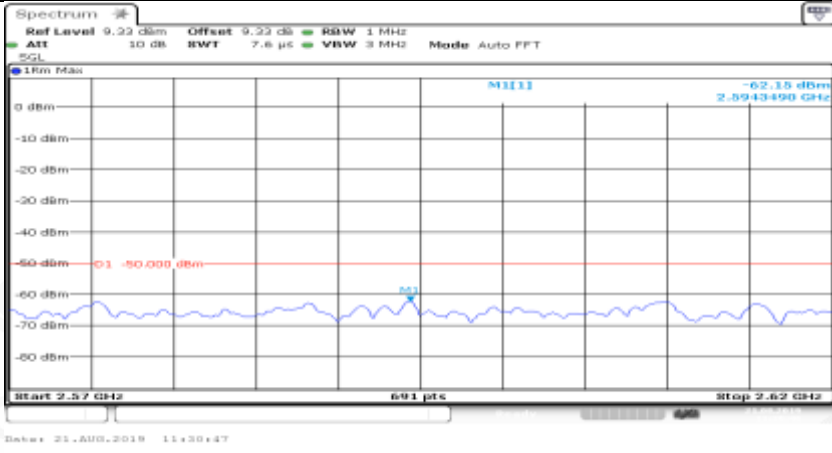
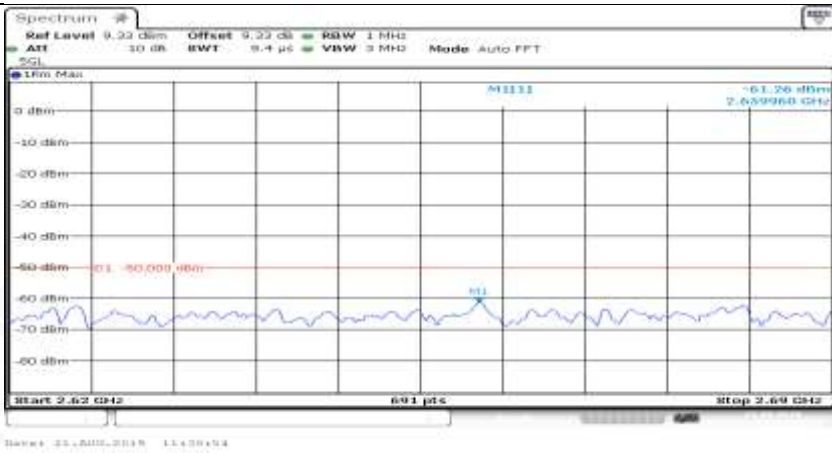
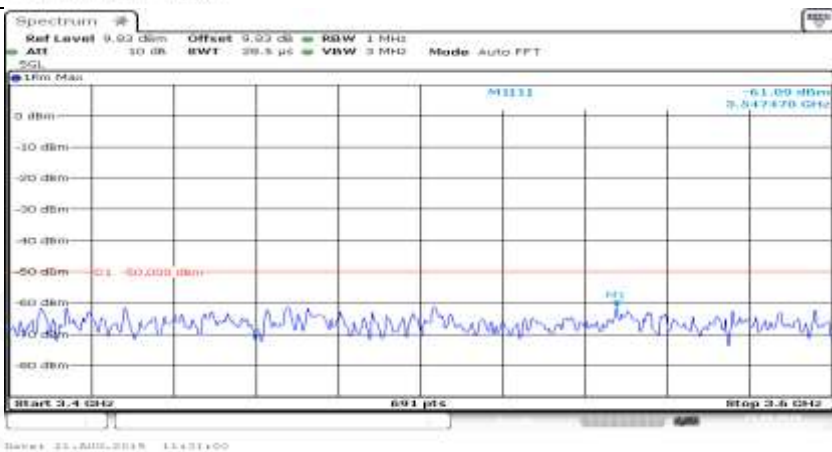


Co-existence	
Co-existence	
Co-existence	

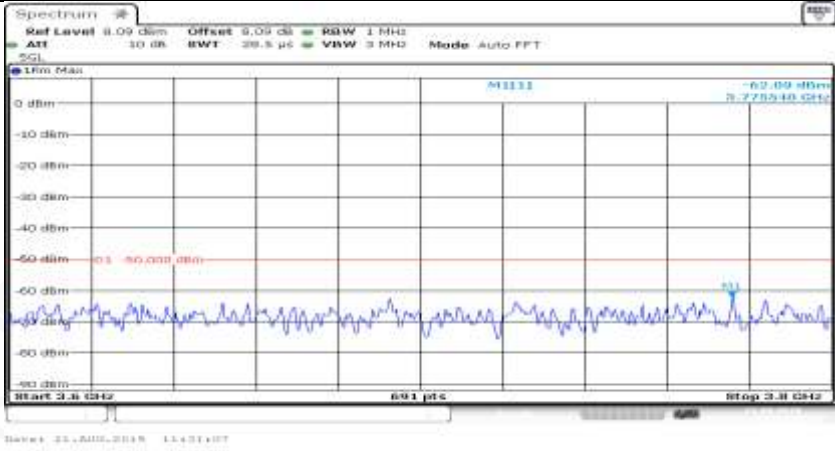


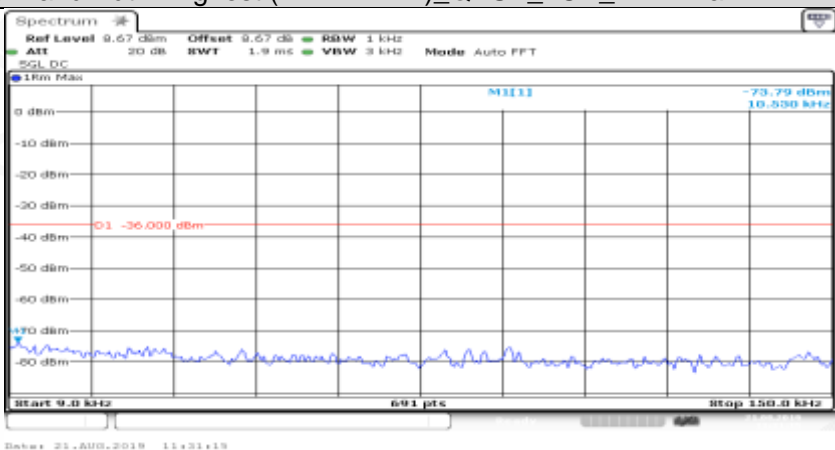
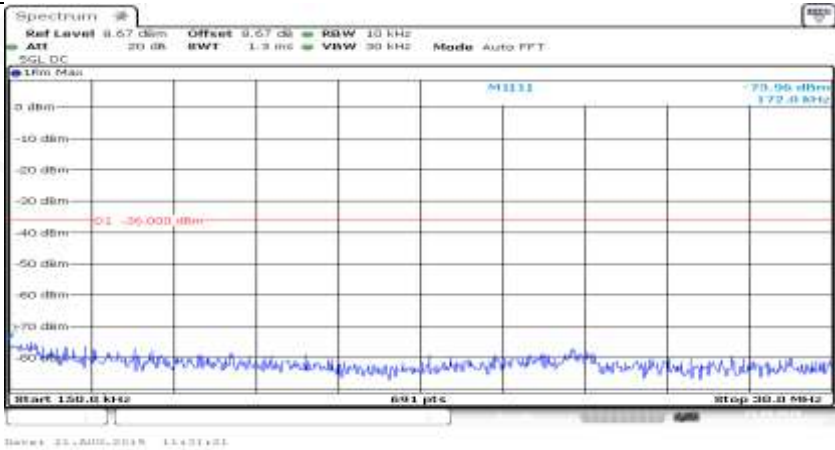
Co-existence	 <p>Ref Level 7.04 dBm Offset 7.04 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M1111 -65.64 dBm 1.9091900 GHz</p> <p>Start 1.9 GHz Stop 1.92 GHz</p> <p>Date: 21.AUG.2019 11:30:28</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M1111 -65.24 dBm 2.0147650 GHz</p> <p>Start 2.01 GHz Stop 2.025 GHz</p> <p>Date: 21.AUG.2019 11:30:33</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>M1111 -64.95 dBm 2.1193340 GHz</p> <p>Start 2.1 GHz Stop 2.12 GHz</p> <p>Date: 21.AUG.2019 11:30:40</p>




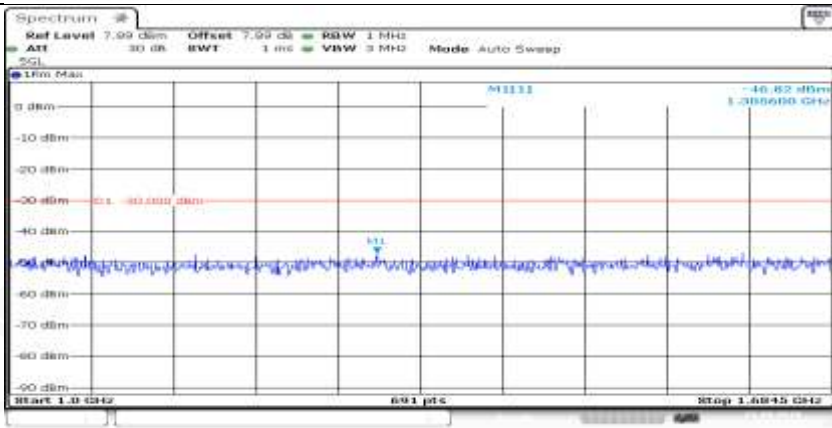
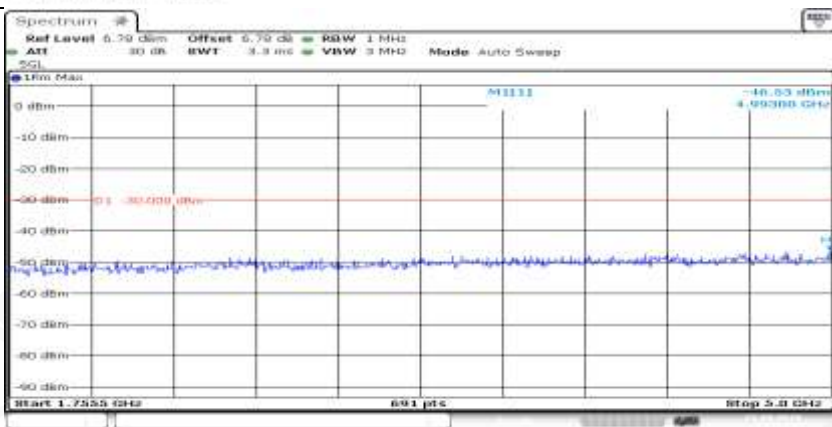
Co-existence	
Co-existence	
Co-existence	

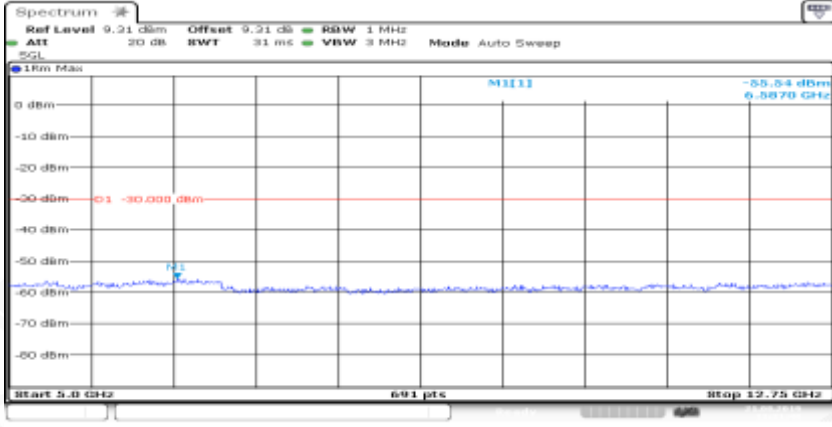

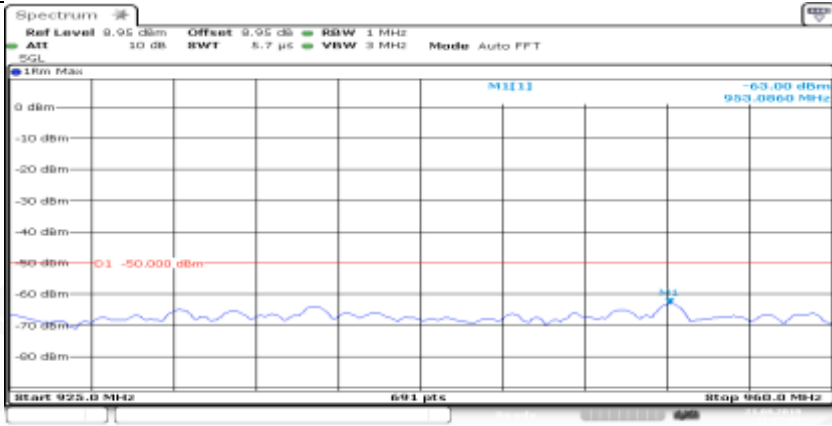


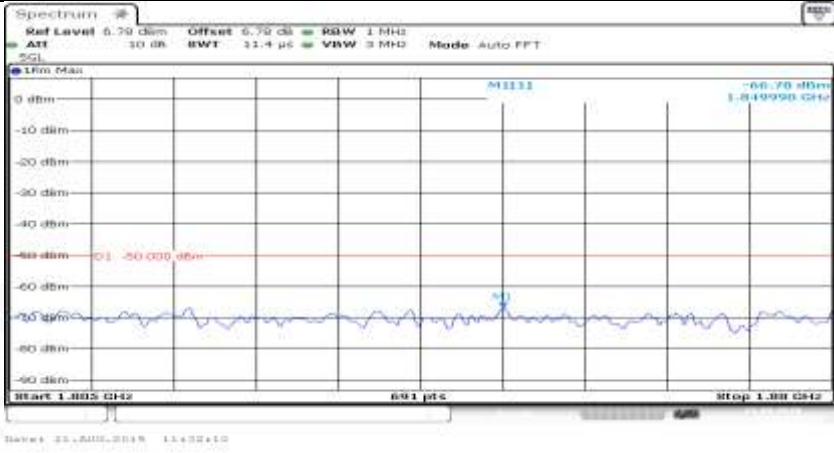
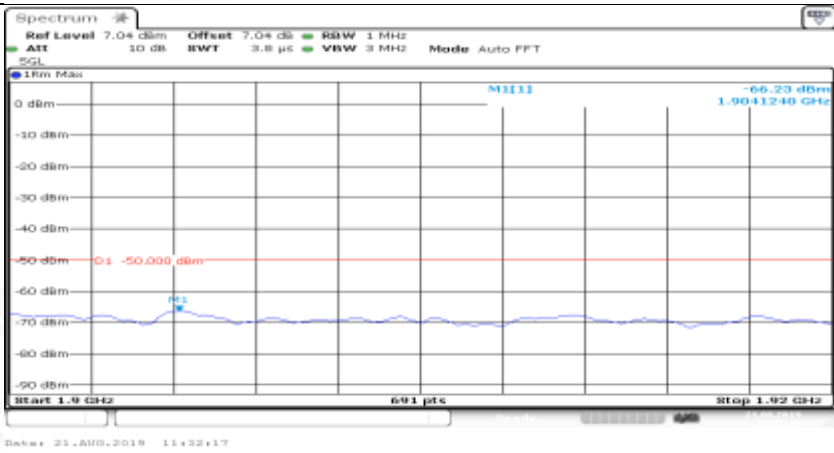
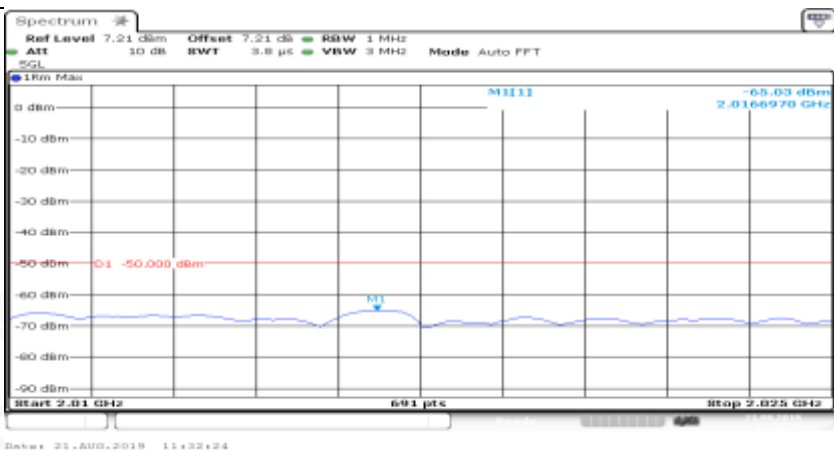
Co-existence	
Additional	NA

Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	




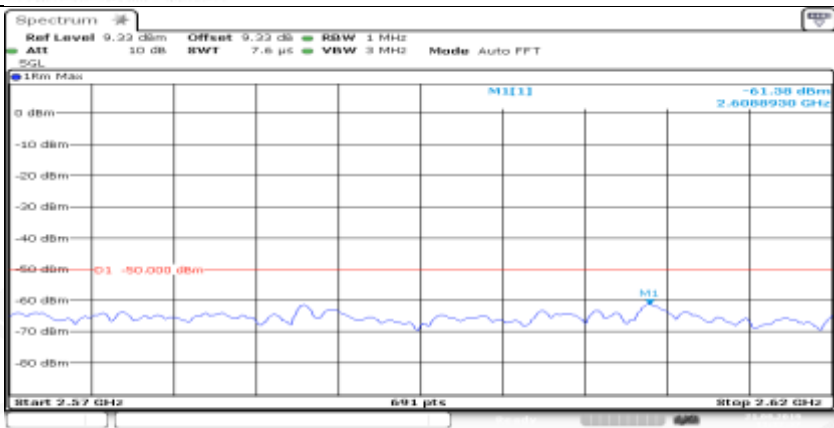
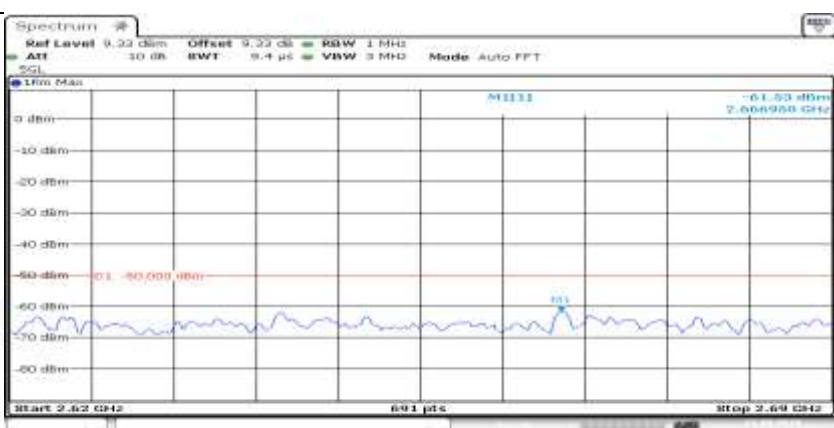
General	
General	
General	

General	
Co-existence	
Co-existence	

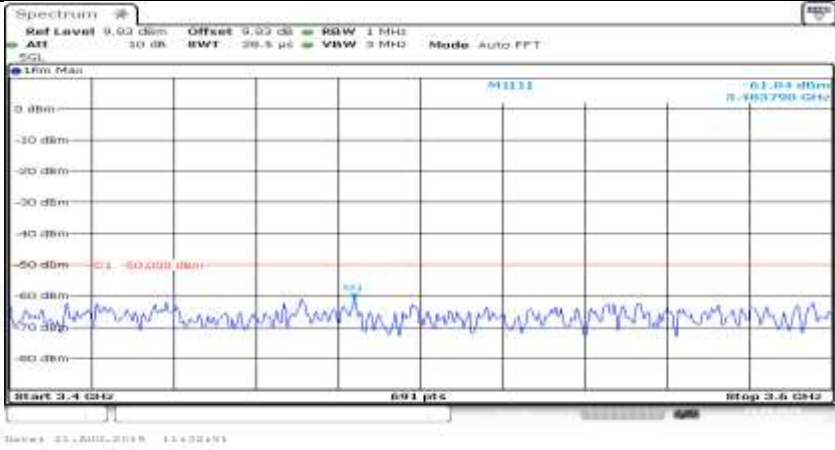
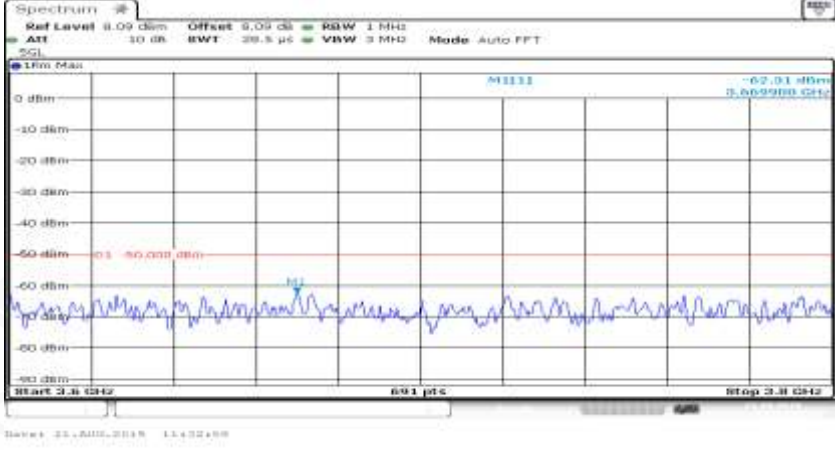
Co-existence	
Co-existence	
Co-existence	

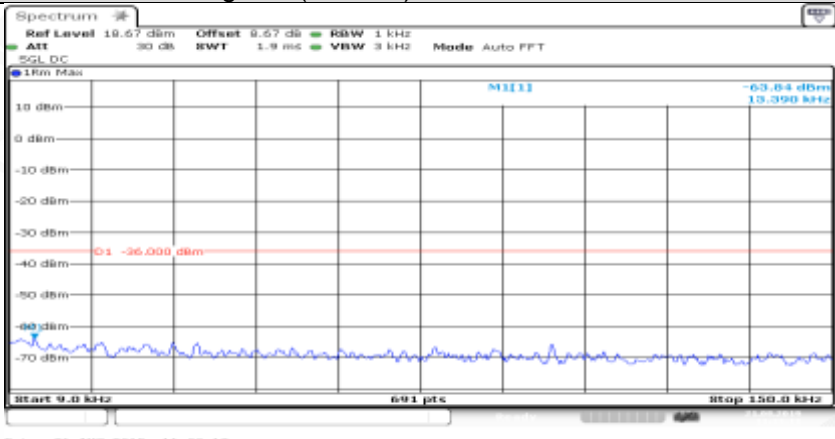


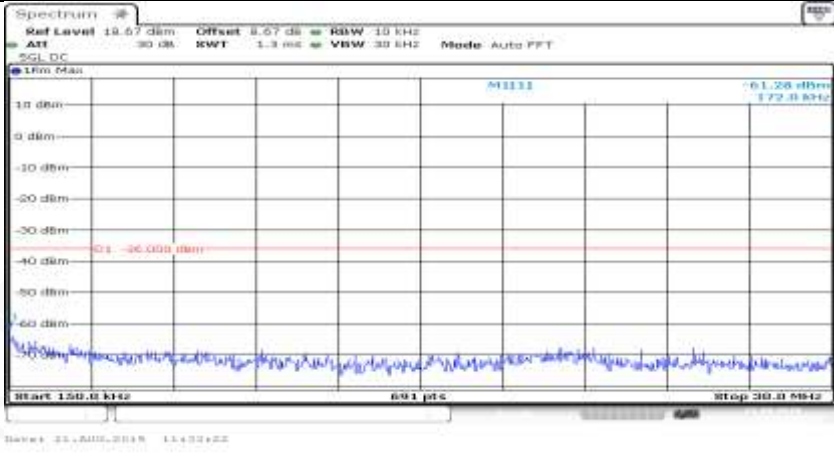

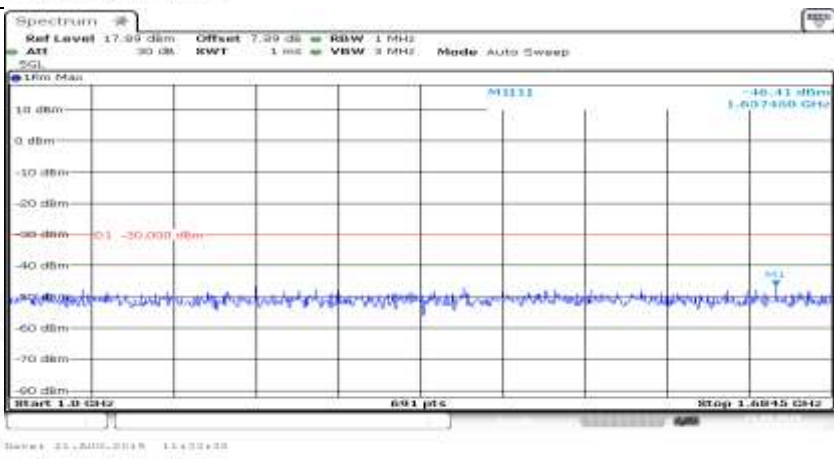


Co-existence	
Co-existence	
Co-existence	



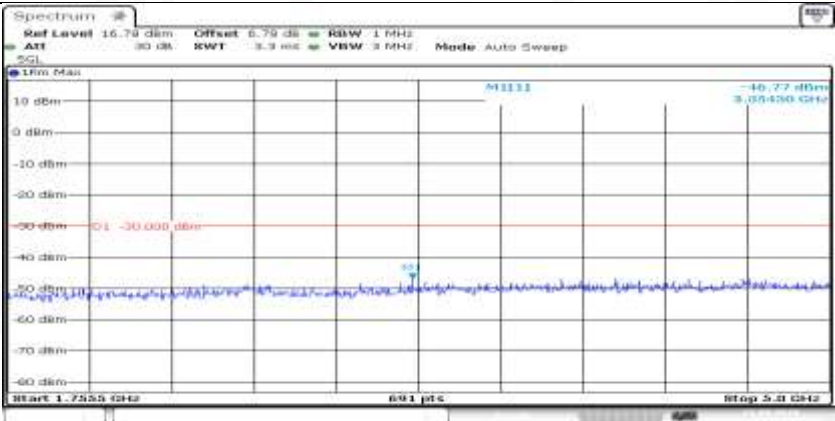
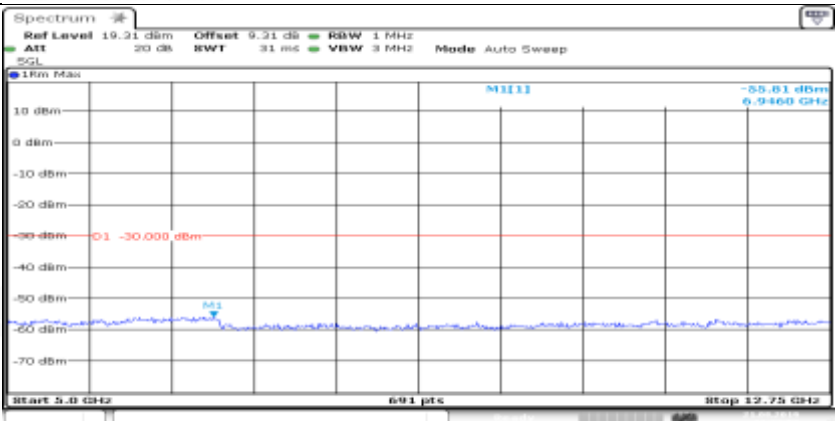

Co-existence	
Co-existence	
Additional	NA

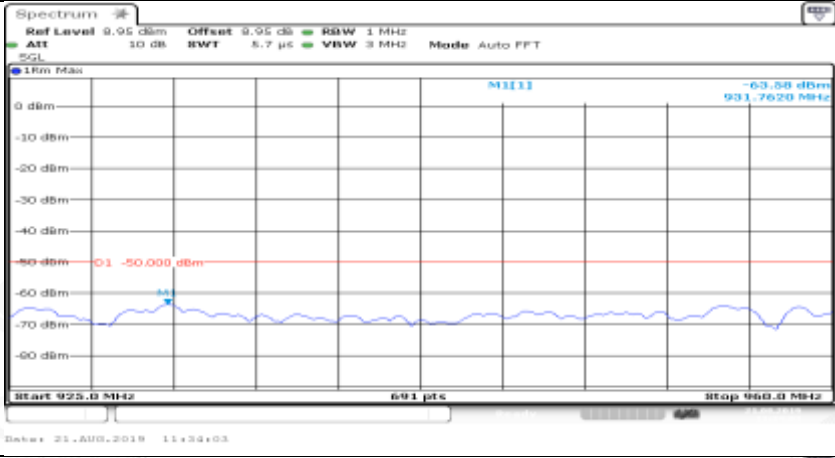
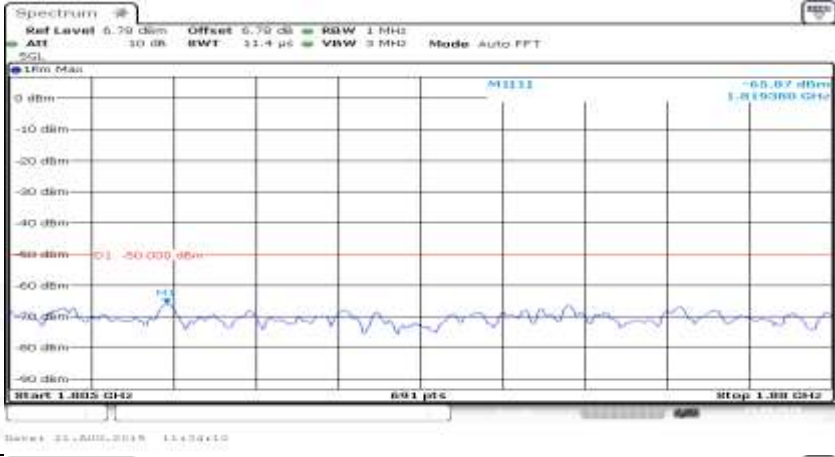
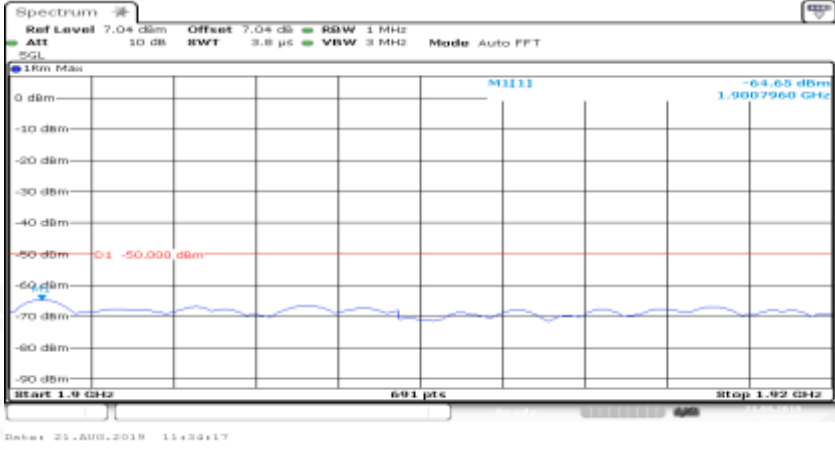
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	

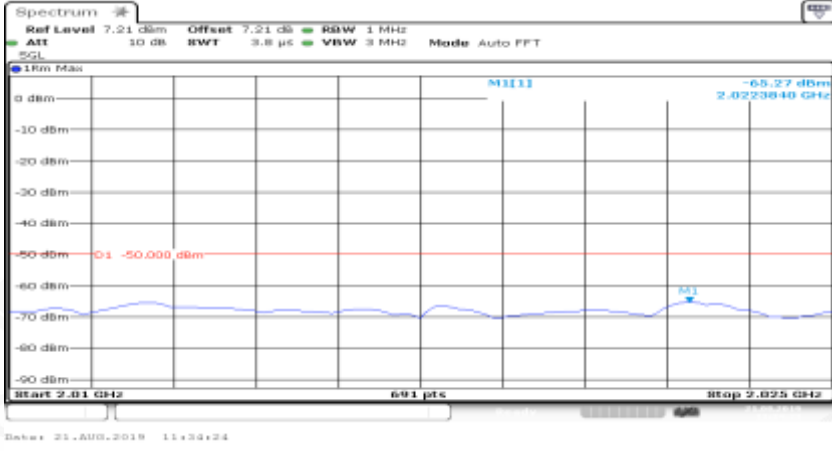
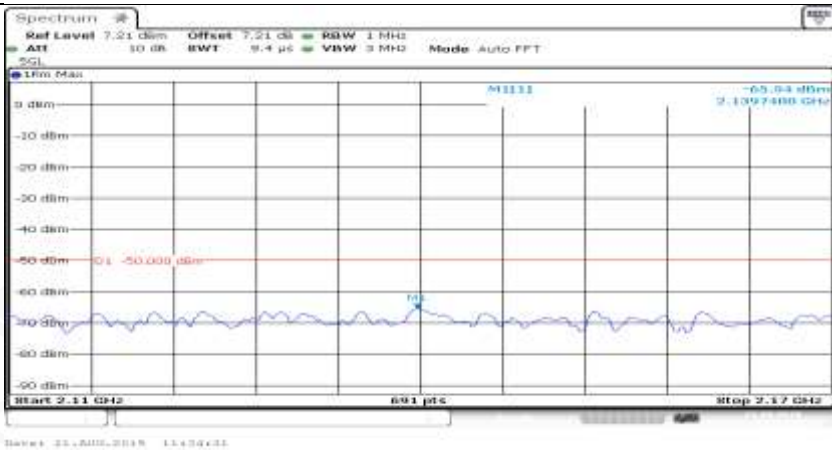
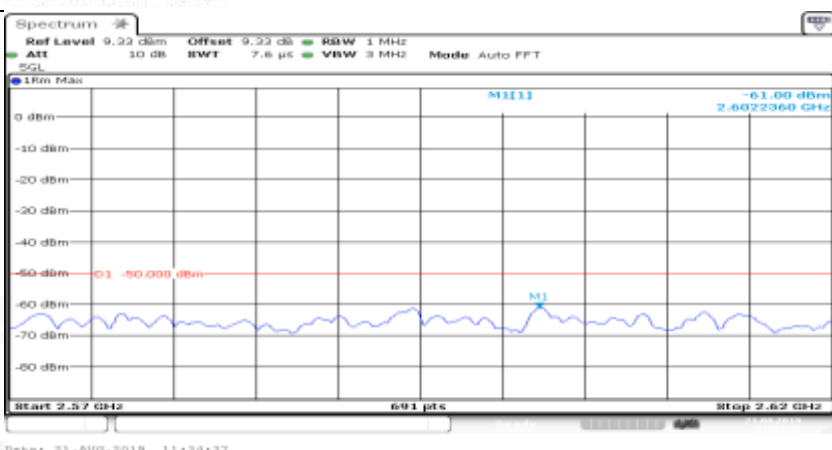
General	
General	
General	



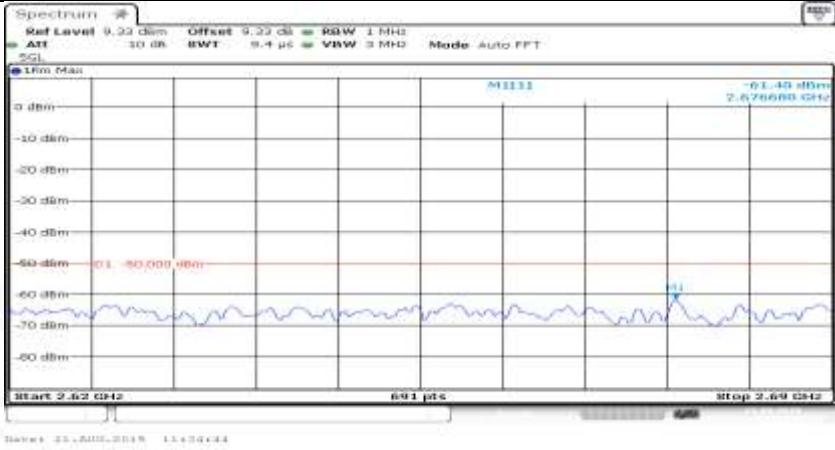
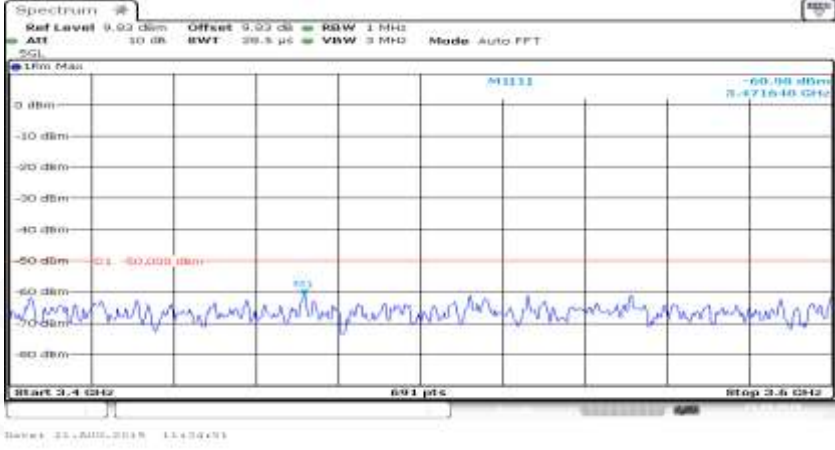
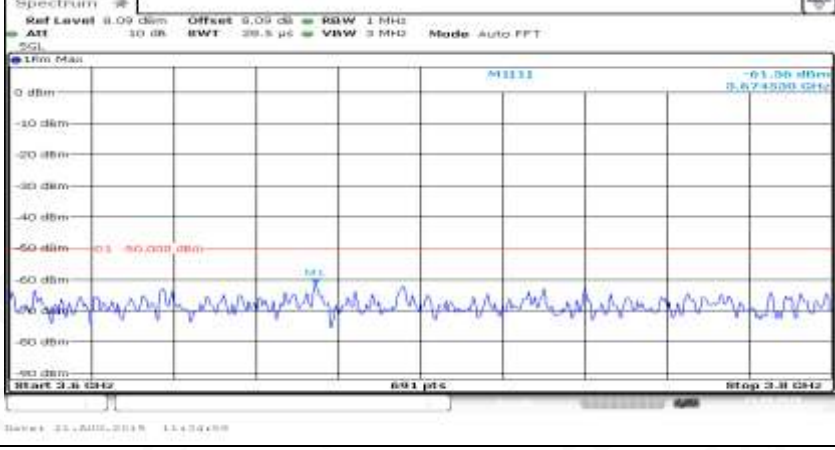


General	
General	
Co-existence	

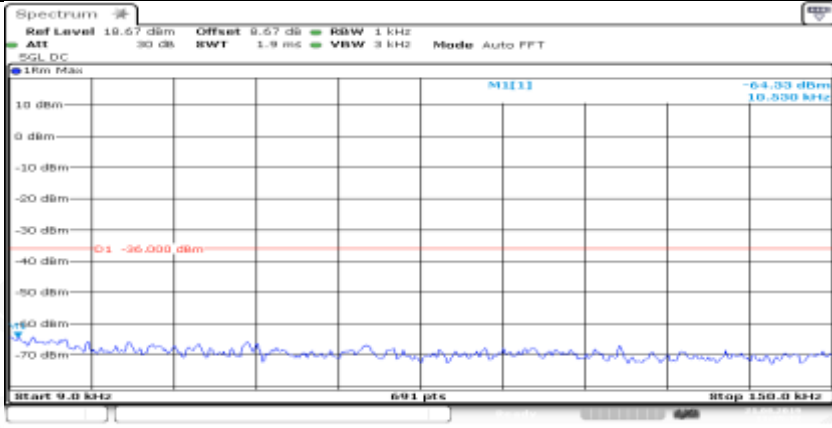
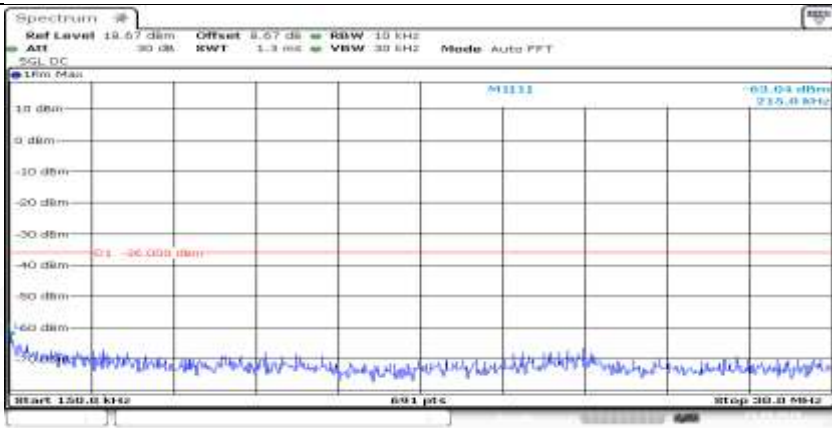
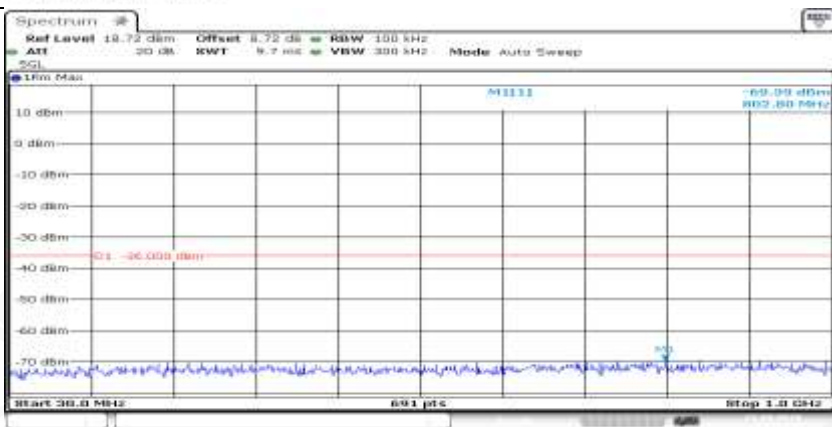
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

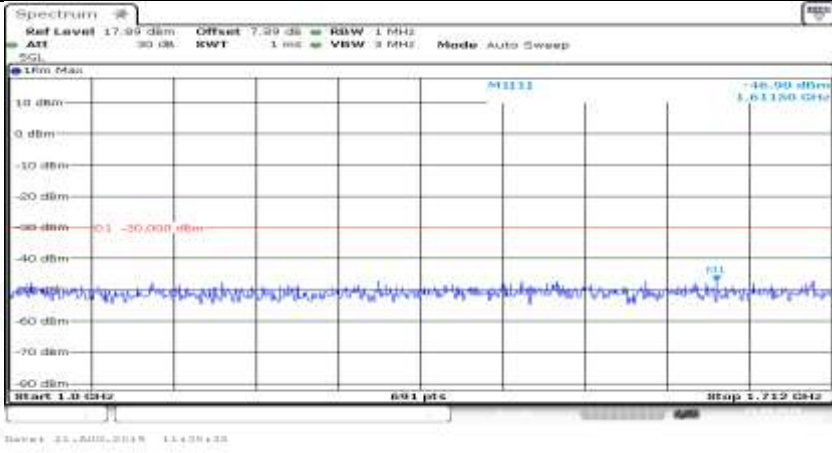
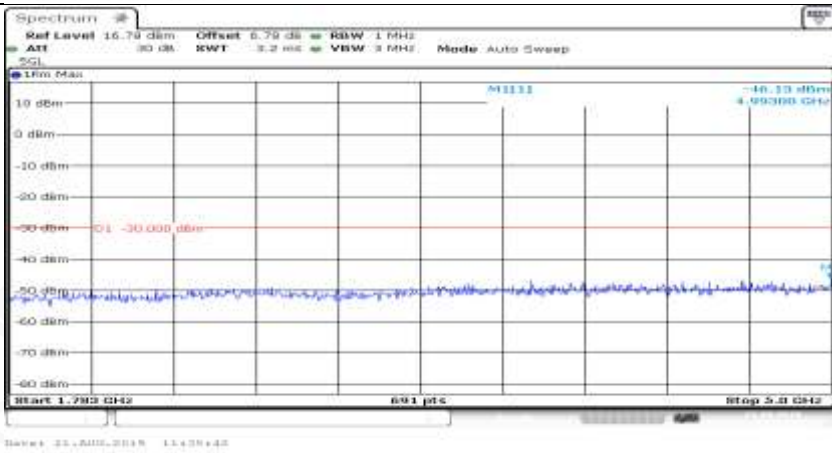
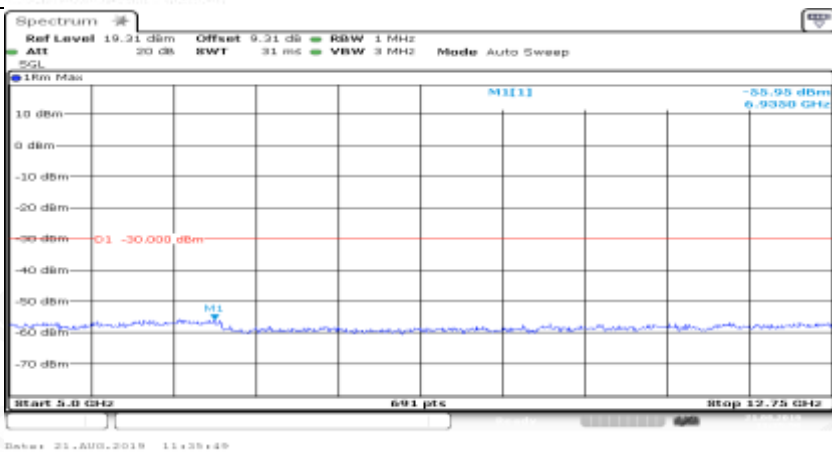


Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

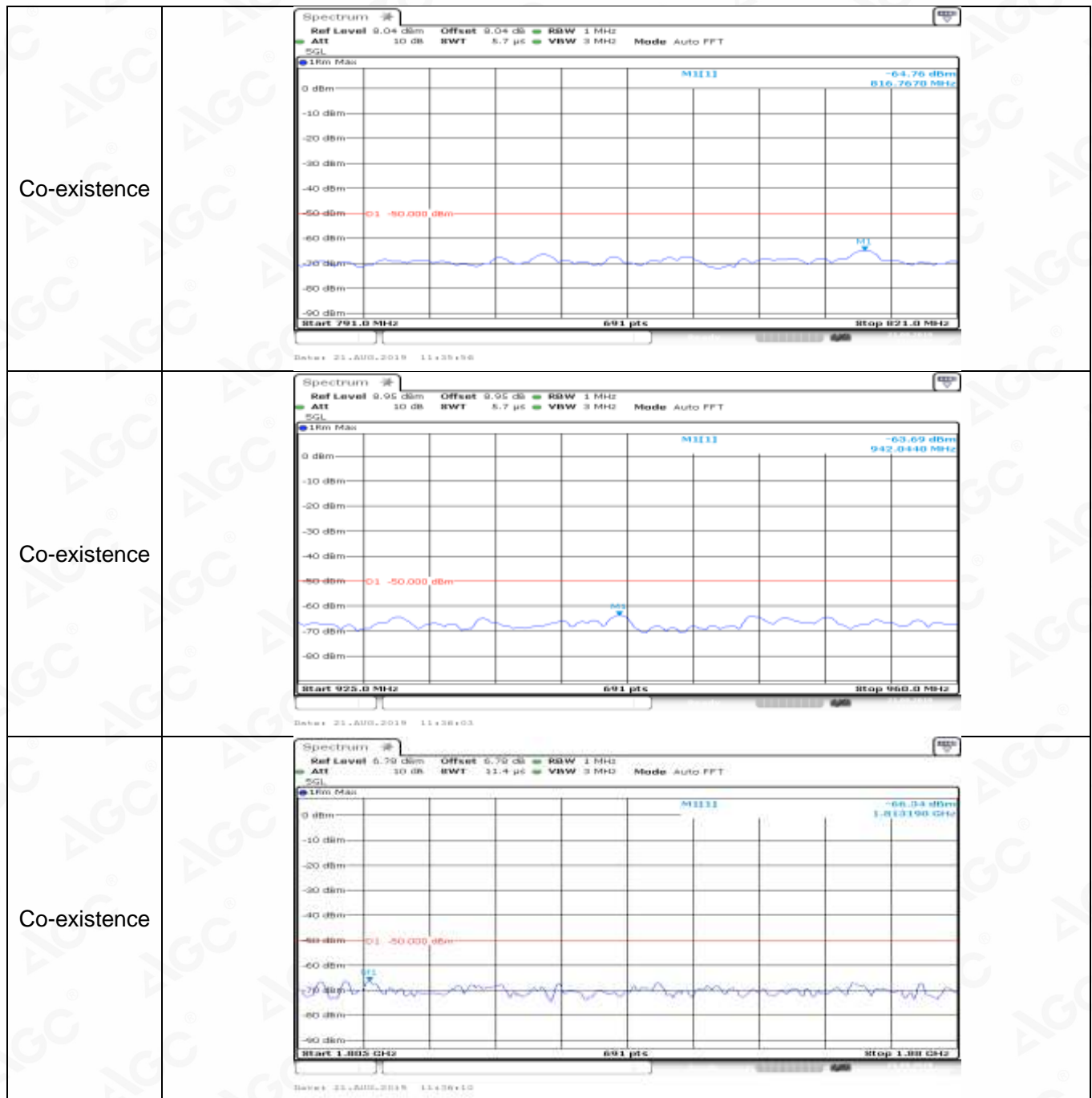
General	 <p>Start 9.0 kHz Stop 150.0 kHz</p>
General	 <p>Start 150.0 kHz Stop 200.0 MHz</p>
General	 <p>Start 200.0 MHz Stop 1.0 GHz</p>

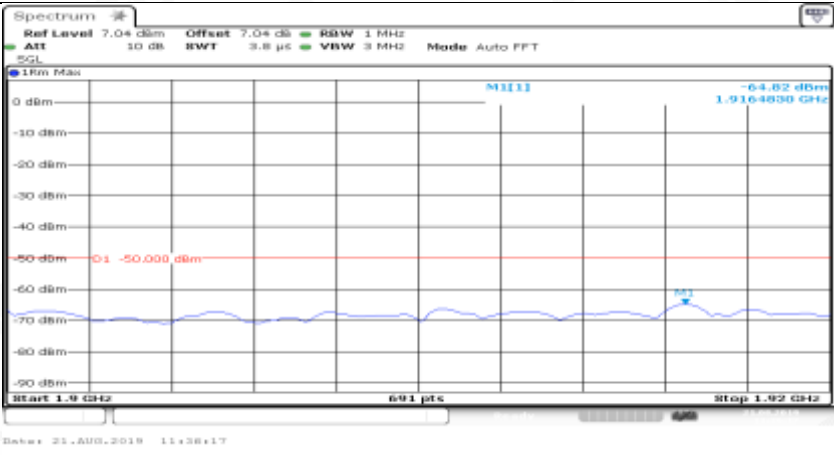
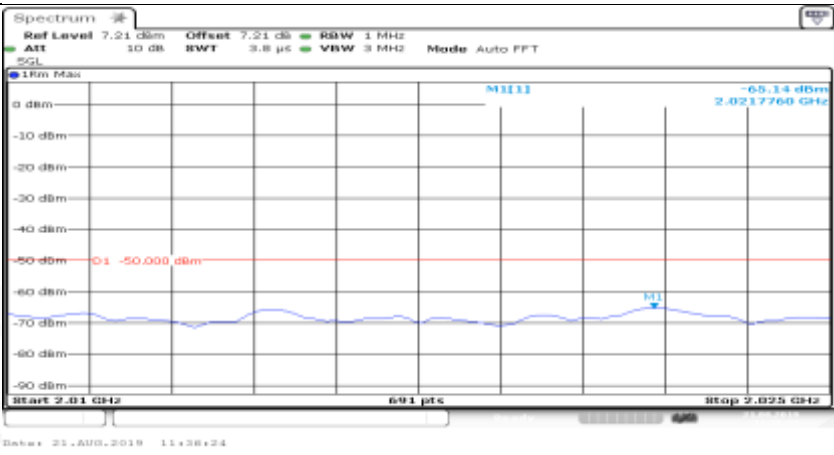



General	
General	
General	

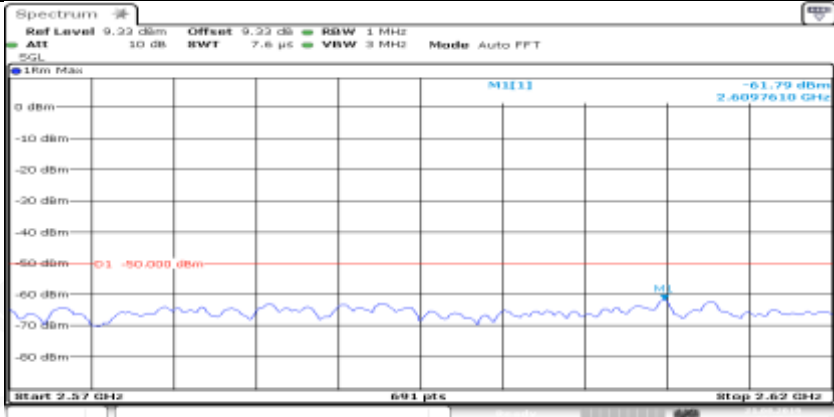
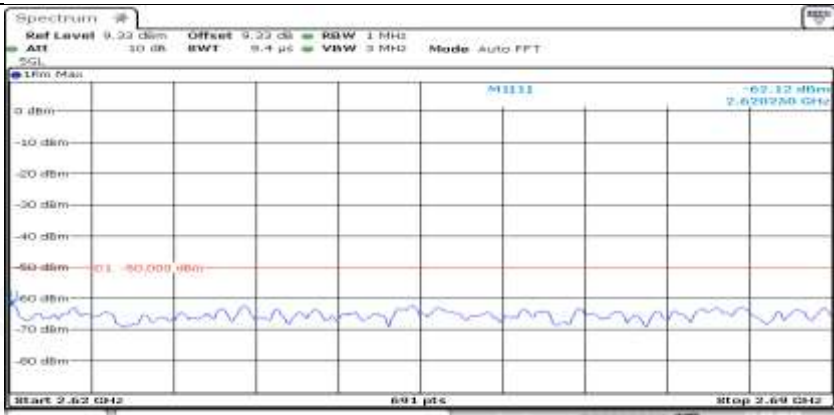







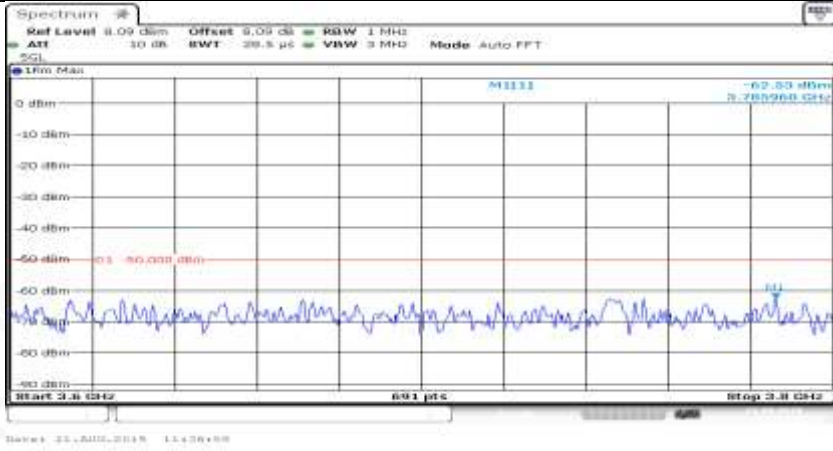
Co-existence	
Co-existence	
Co-existence	

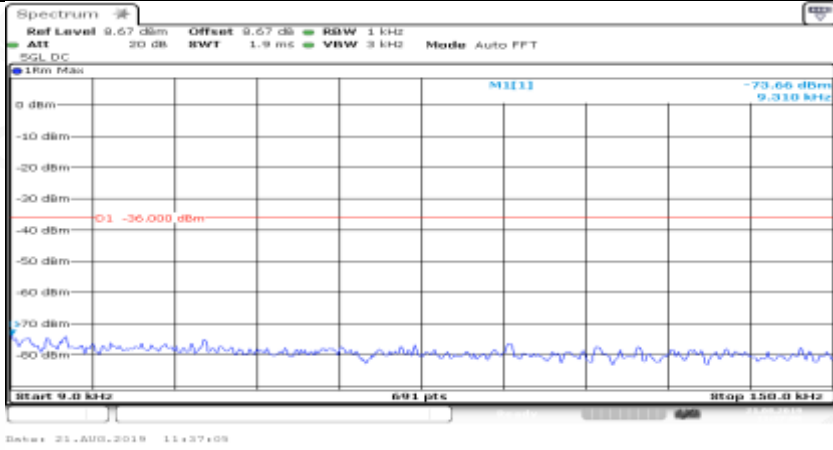
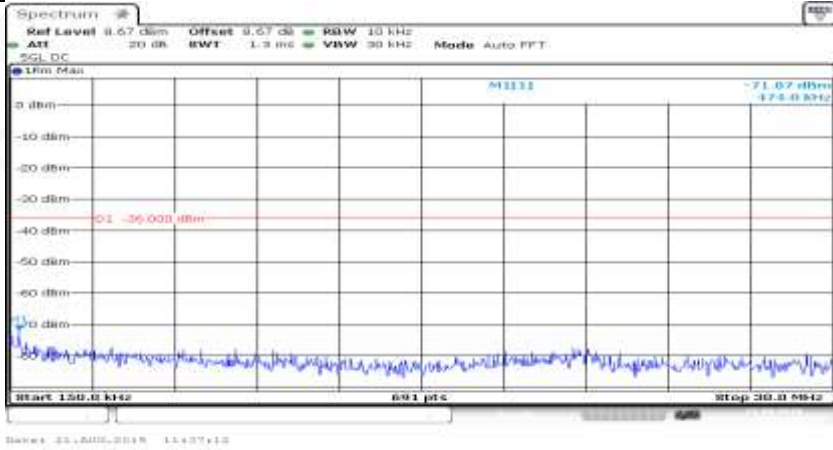


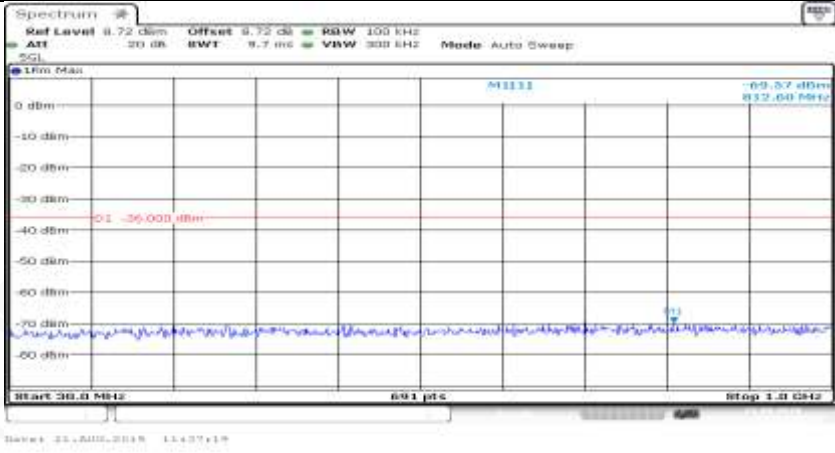
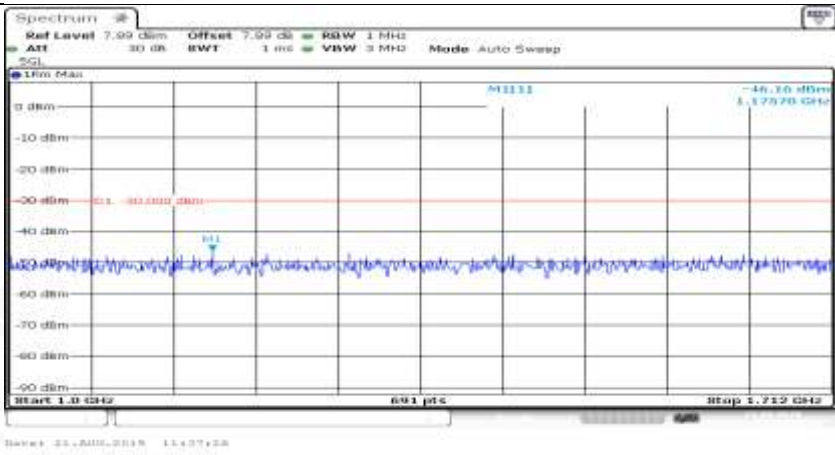
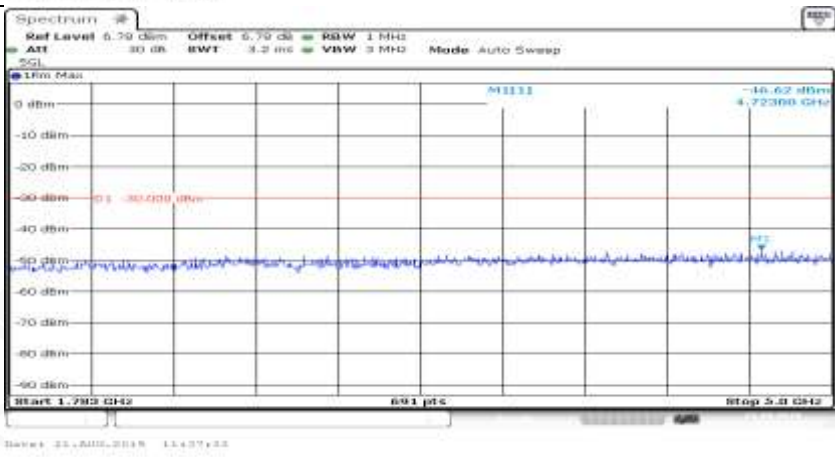
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 1 MHz ATT 10 dB BW 7.6 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 2.57 GHz 691 pts Stop 2.62 GHz</p> <p>2.6097610 GHz -61.79 dBm</p> <p>Date: 21.AUG.2018 11:38:37</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 1 MHz ATT 10 dB BW 9.4 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 2.62 GHz 691 pts Stop 2.69 GHz</p> <p>2.670750 GHz -62.12 dBm</p> <p>Date: 21.AUG.2018 11:38:44</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 1 MHz ATT 10 dB BW 20.5 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 2.4 GHz 691 pts Stop 2.6 GHz</p> <p>2.400000 GHz -60.10 dBm</p> <p>Date: 21.AUG.2018 11:38:51</p>

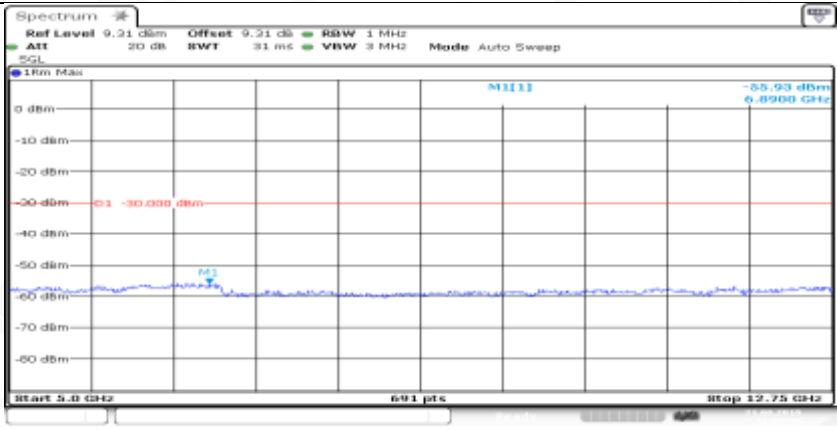

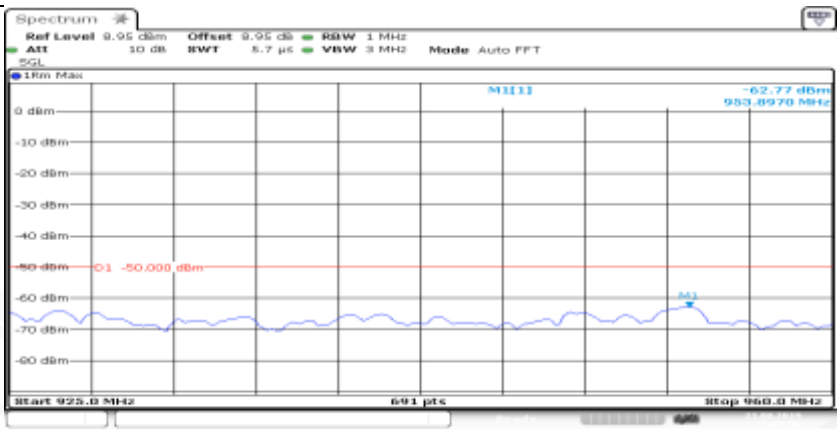




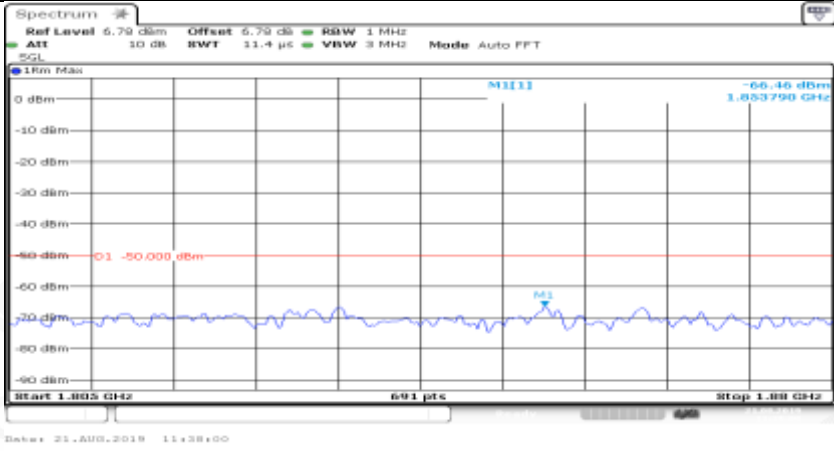
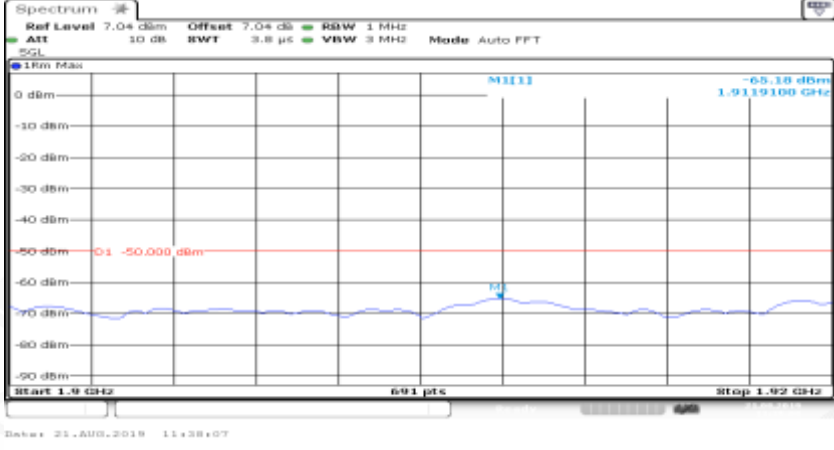
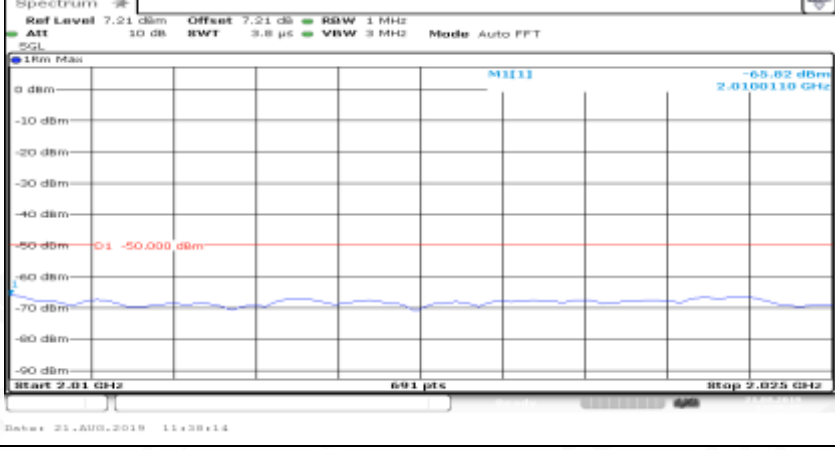
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	
General	

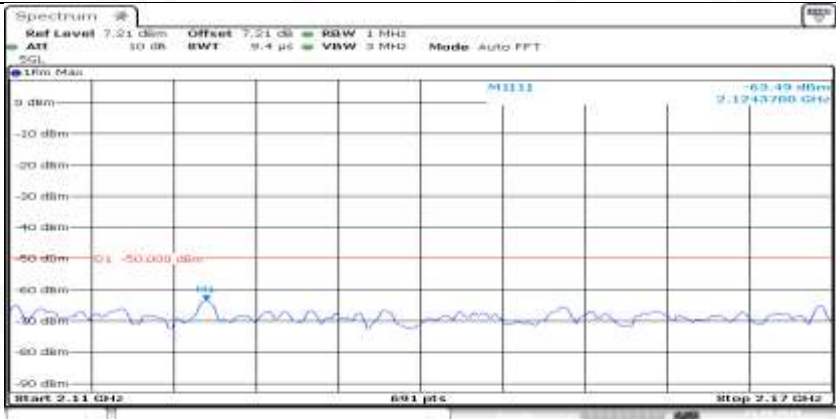
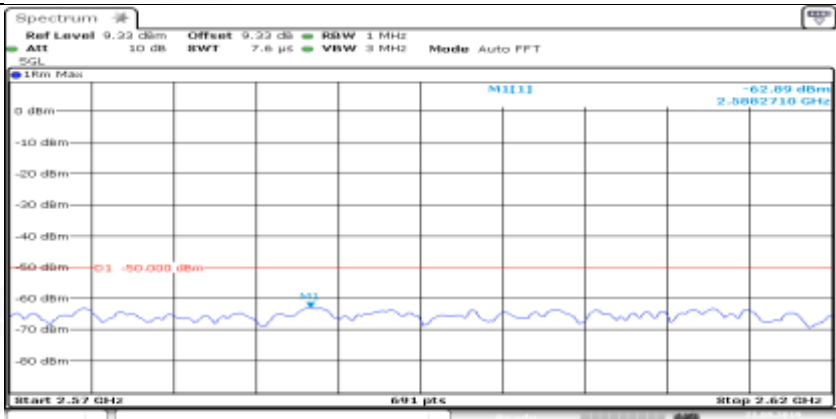
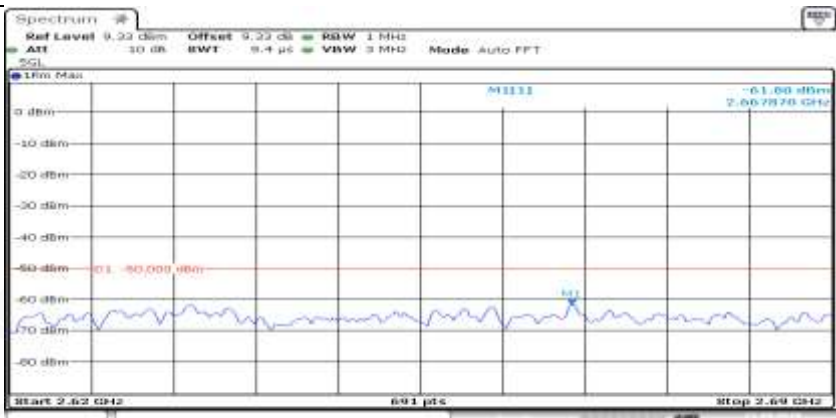
General	
General	
General	

General	
Co-existence	
Co-existence	


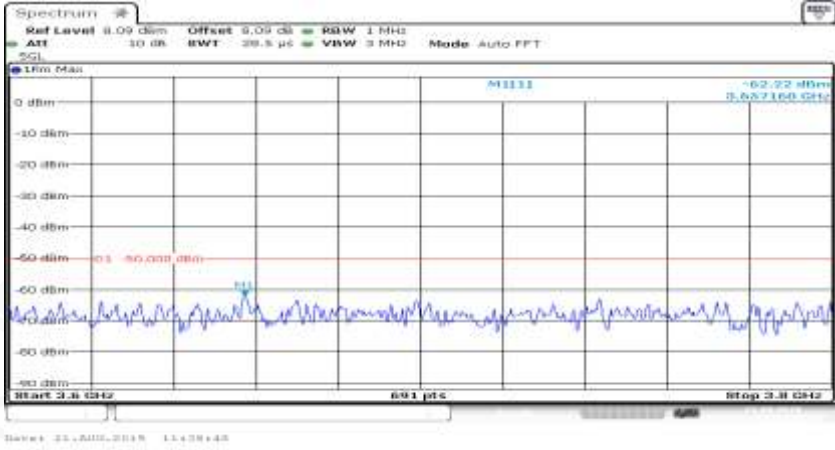


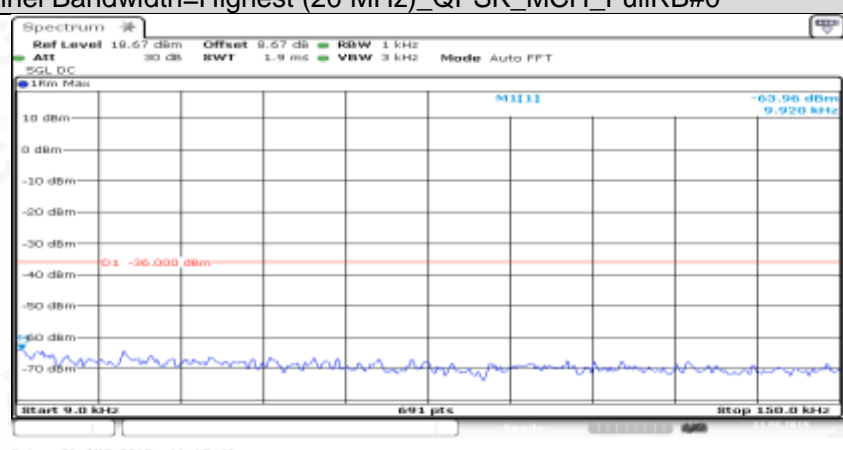
Co-existence	
Co-existence	
Co-existence	



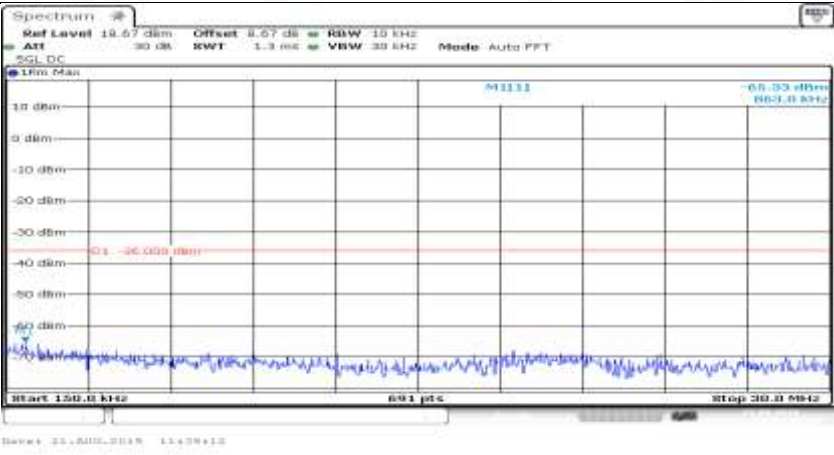

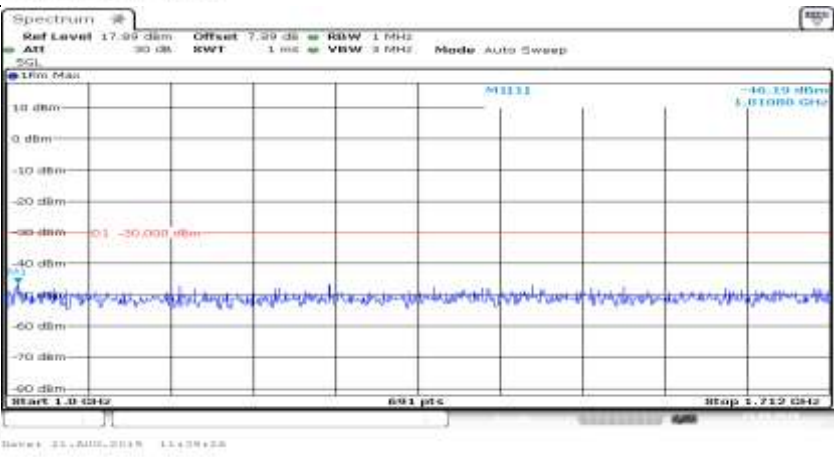
Co-existence	
Co-existence	
Co-existence	



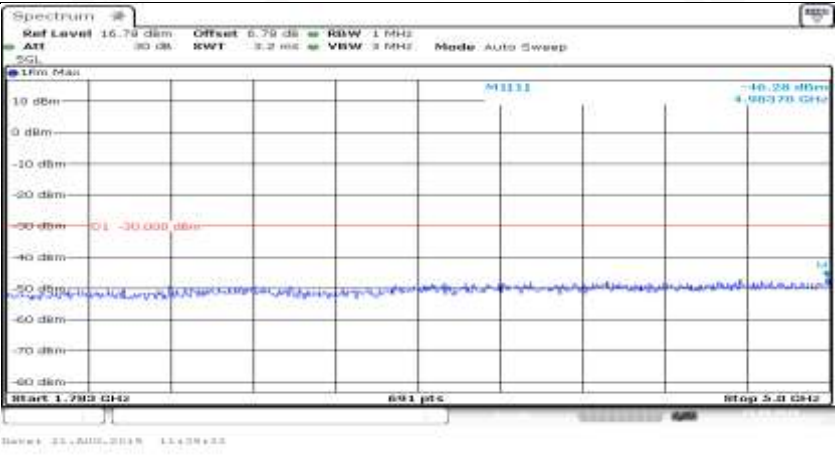
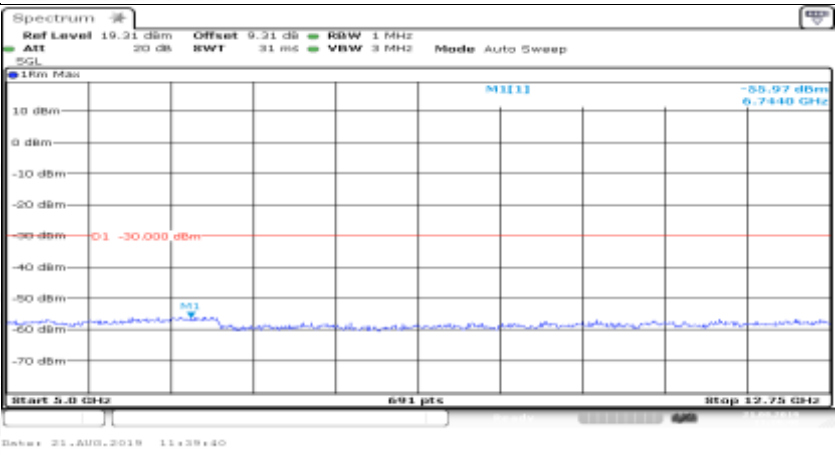
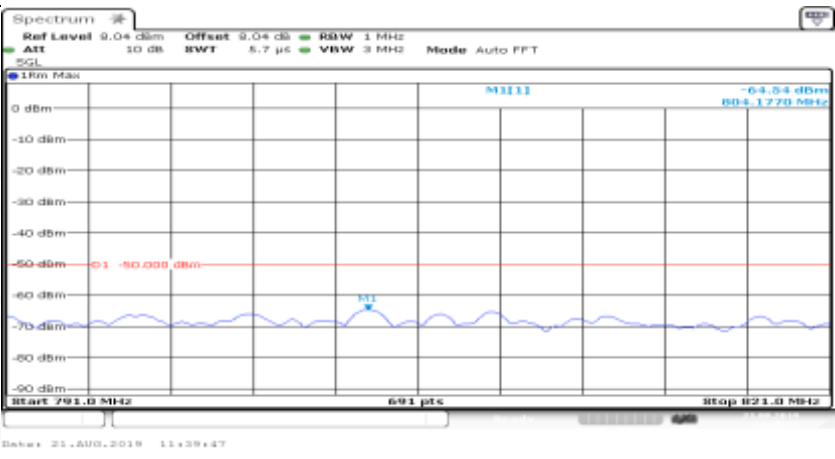
Co-existence	
Co-existence	
Additional	NA

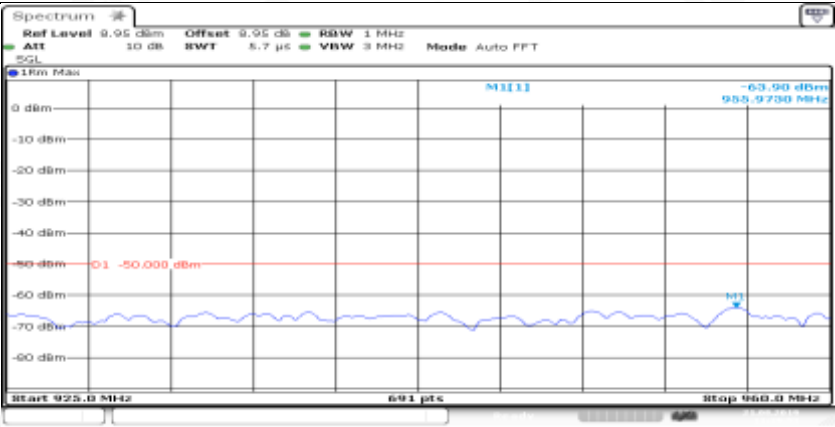

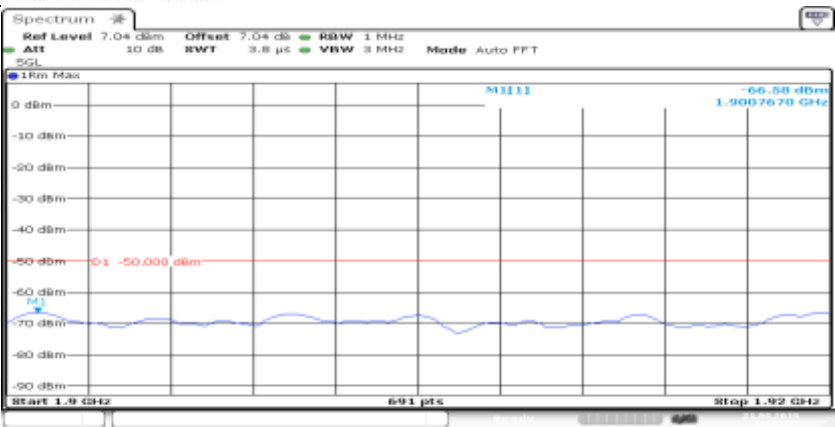
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	



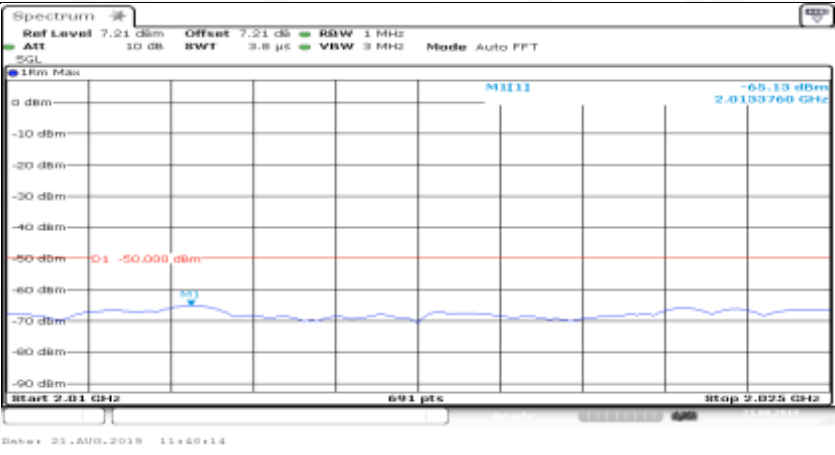

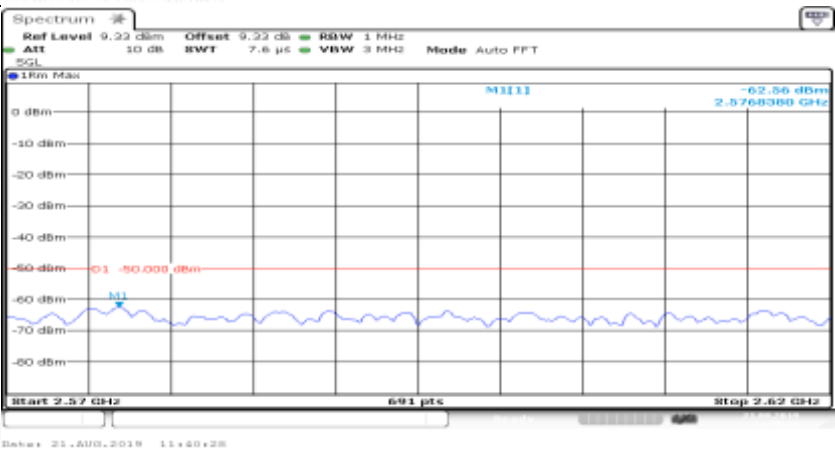
General	
General	
General	


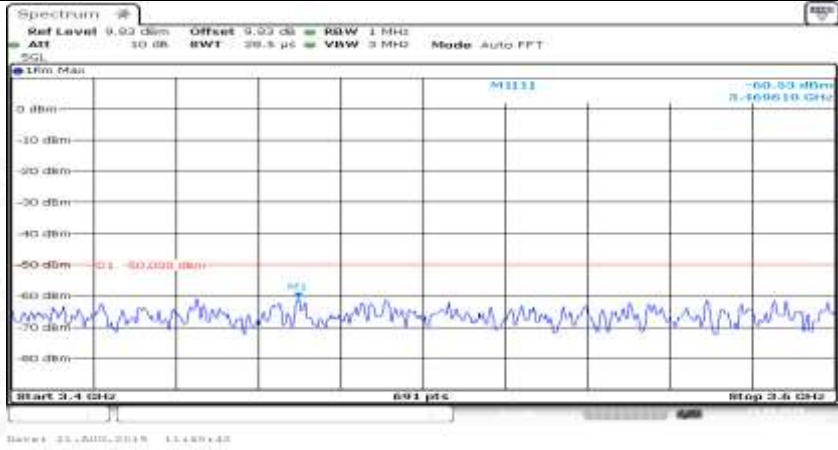
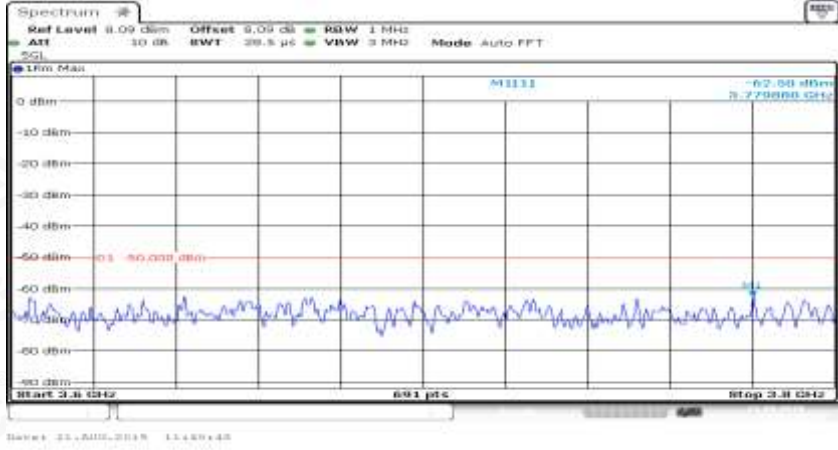


General	
General	
Co-existence	

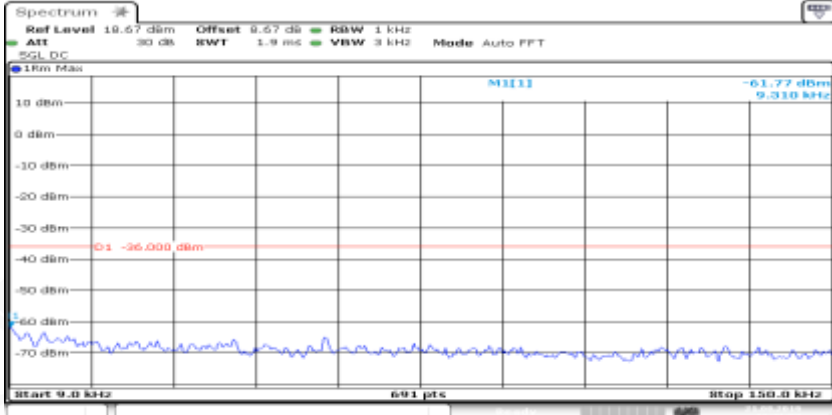

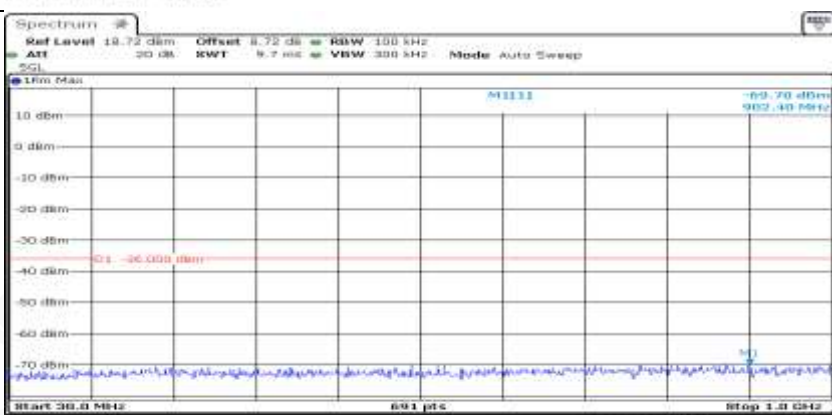
Co-existence	
Co-existence	
Co-existence	



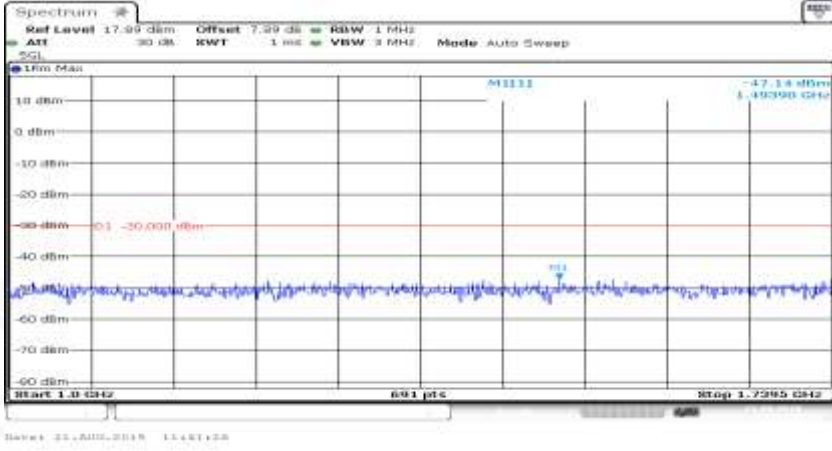
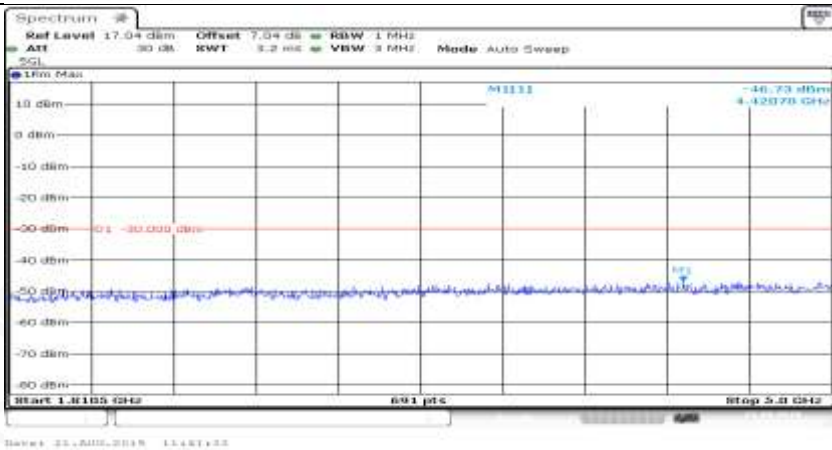

Co-existence	
Co-existence	
Co-existence	

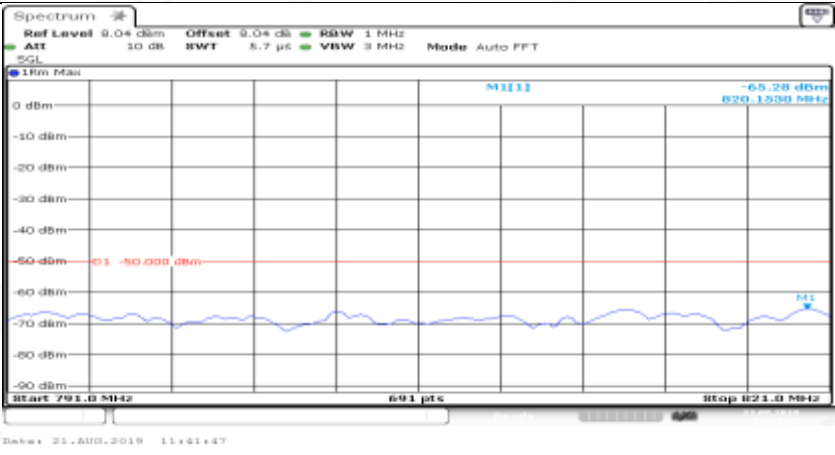
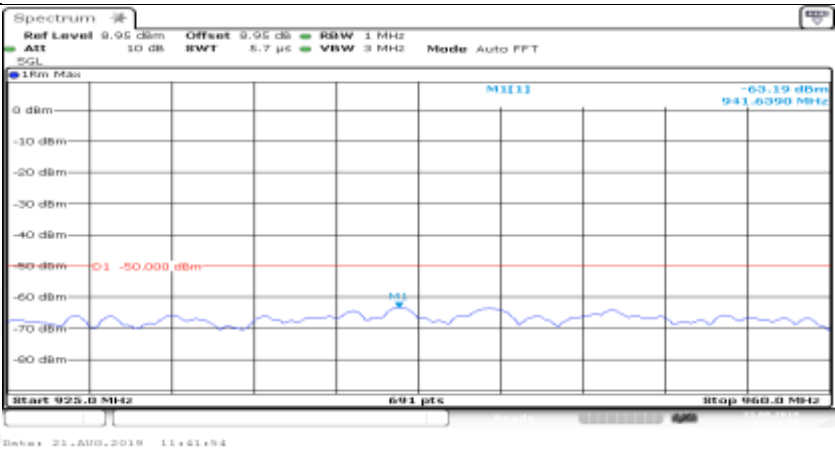

Co-existence	
Co-existence	
Co-existence	
Additional	NA

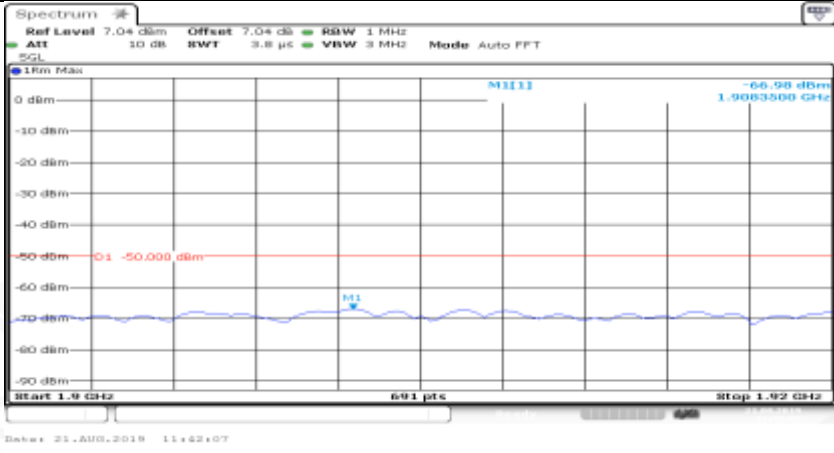
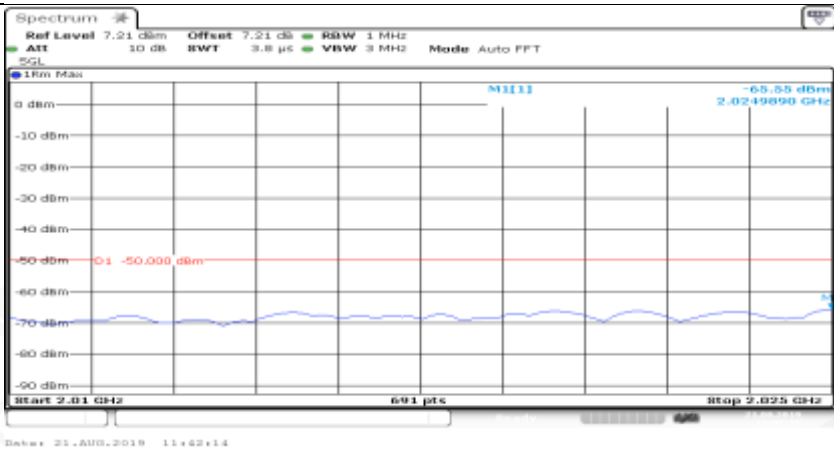
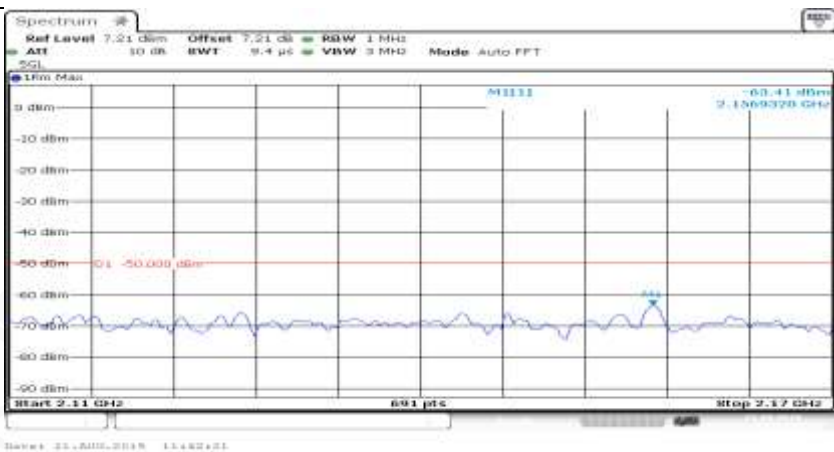
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

General	
General	
General	



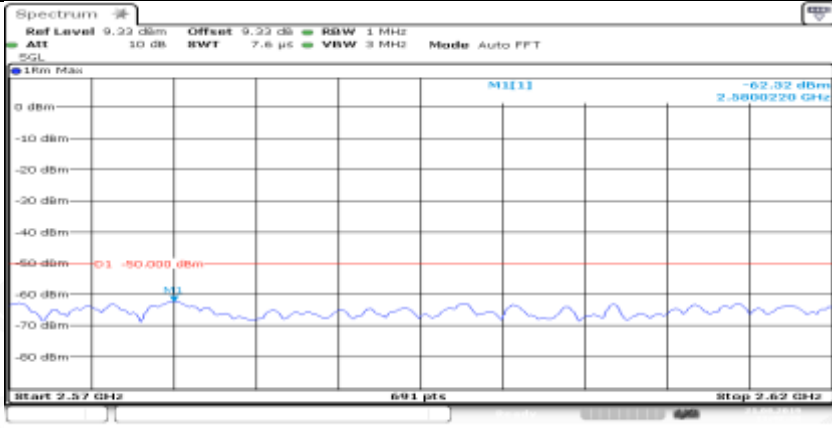

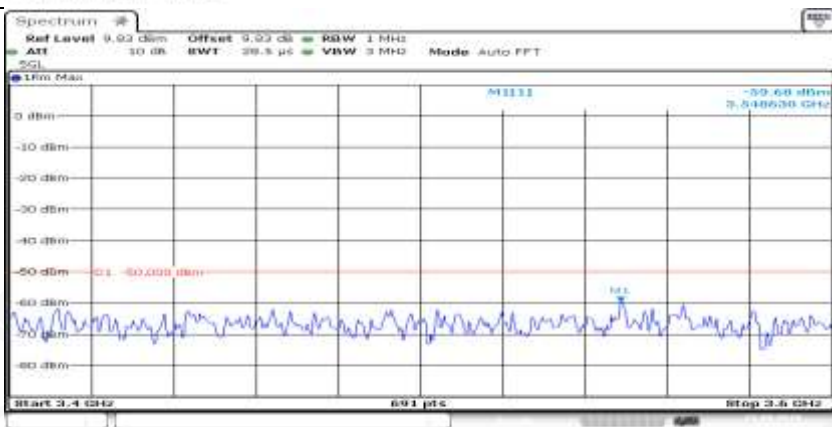
General	
General	
General	

Co-existence	
Co-existence	
Co-existence	

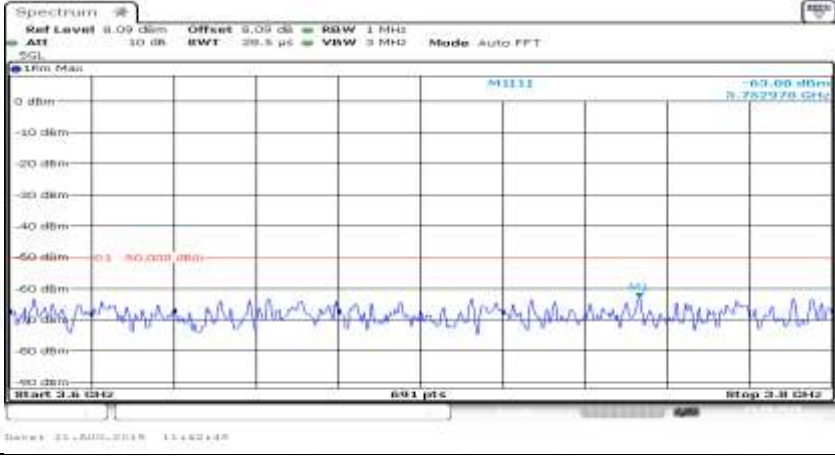
Co-existence	
Co-existence	
Co-existence	

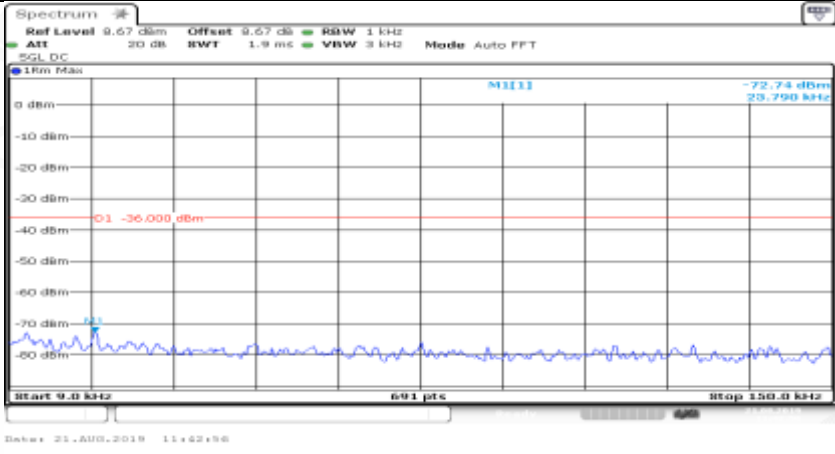
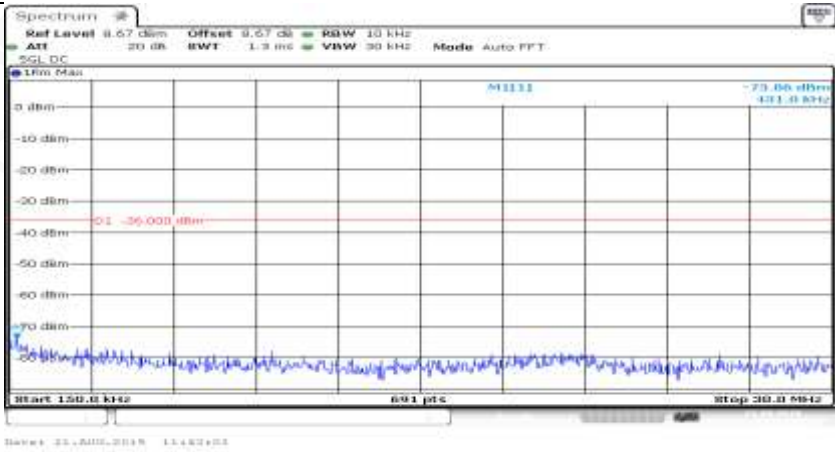


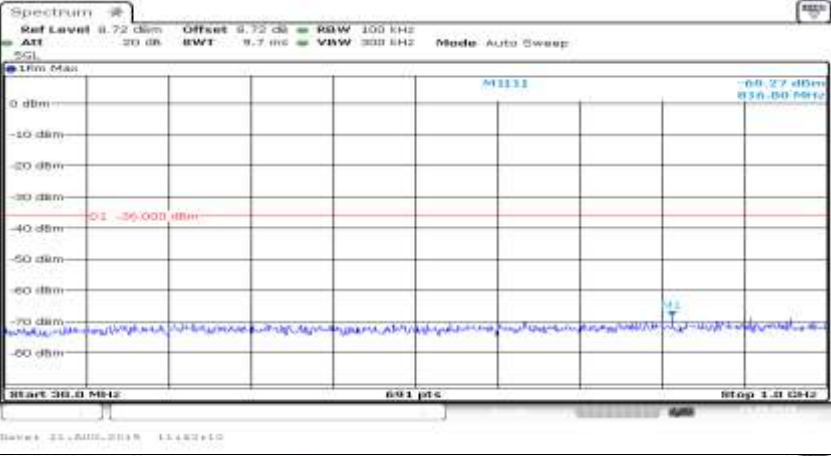
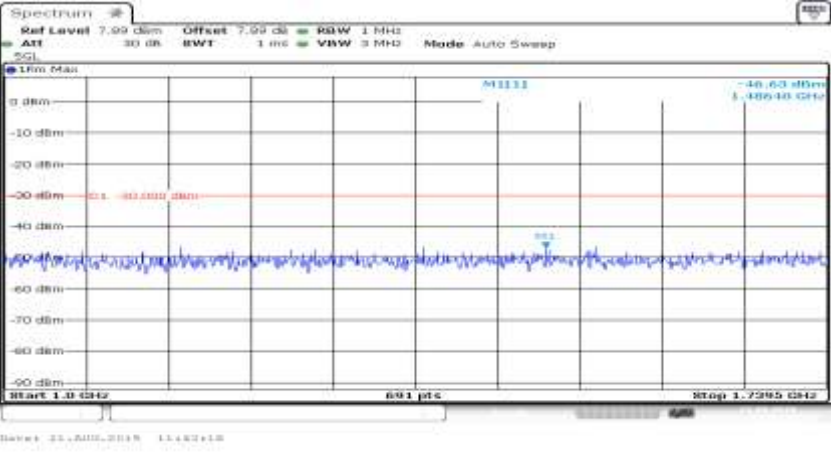
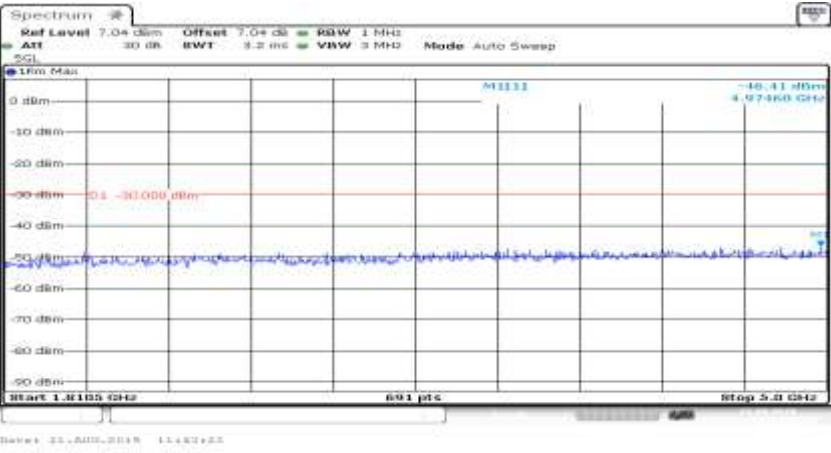


Co-existence	
Co-existence	
Co-existence	



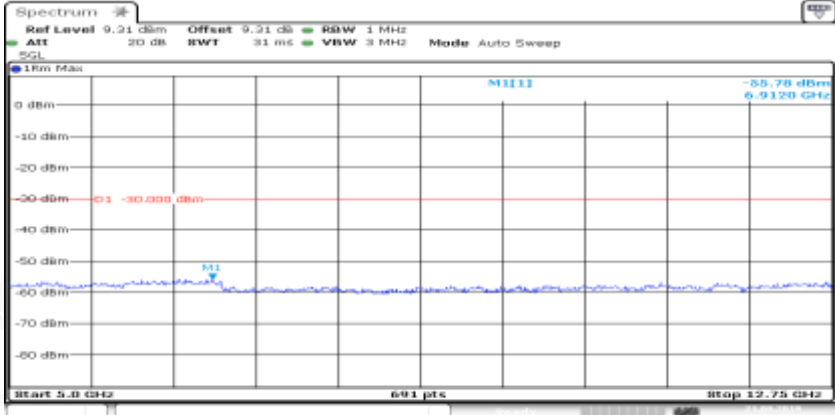
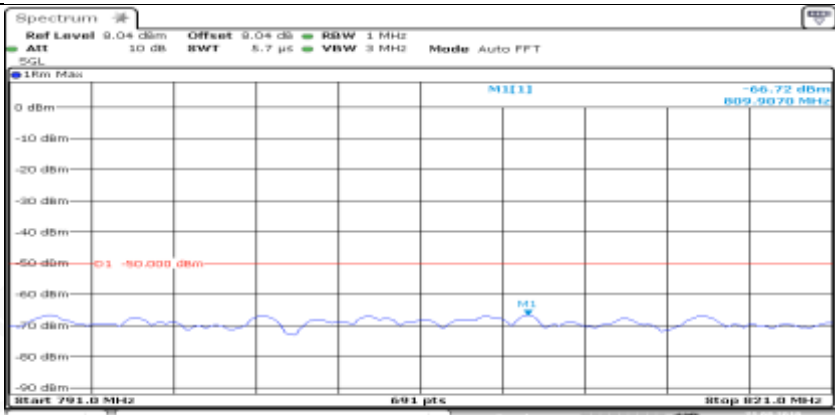
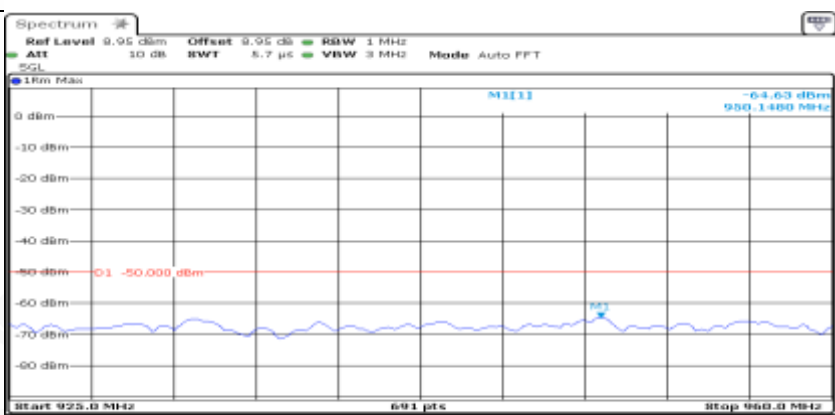
Co-existence	
Additional	NA

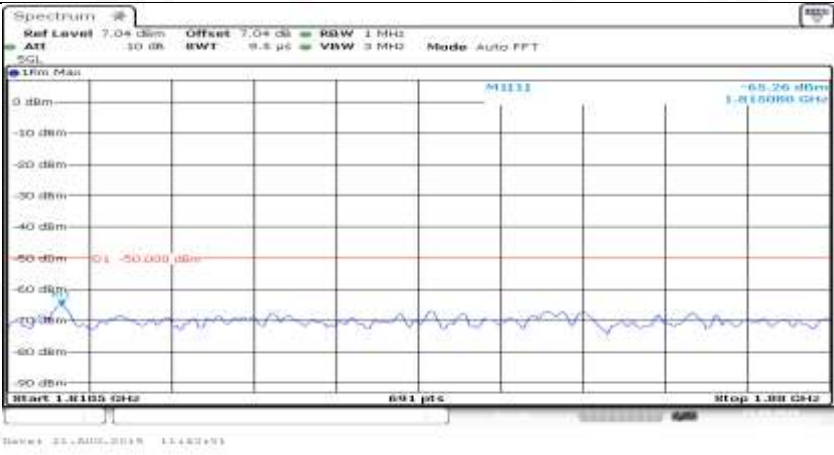
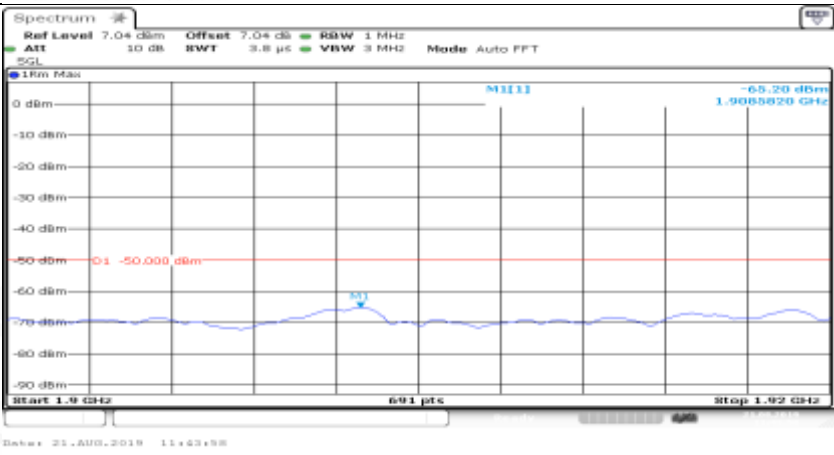
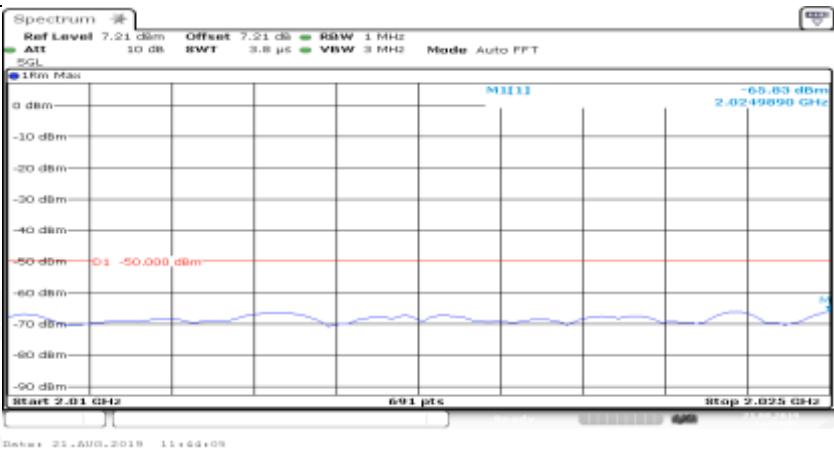
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

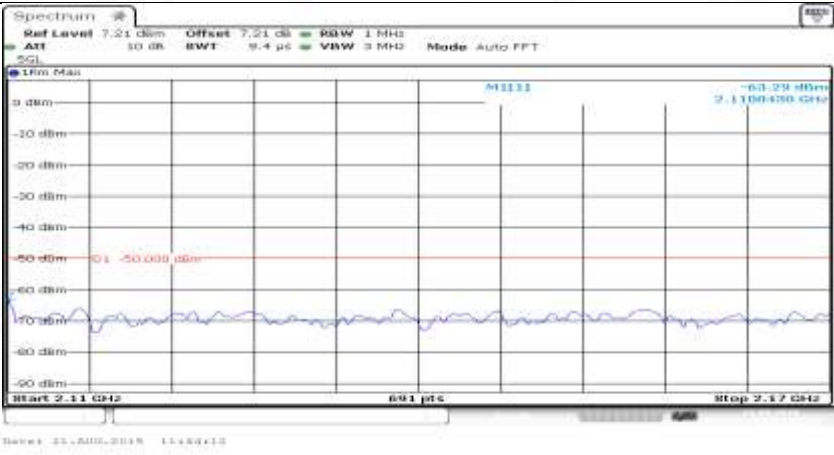
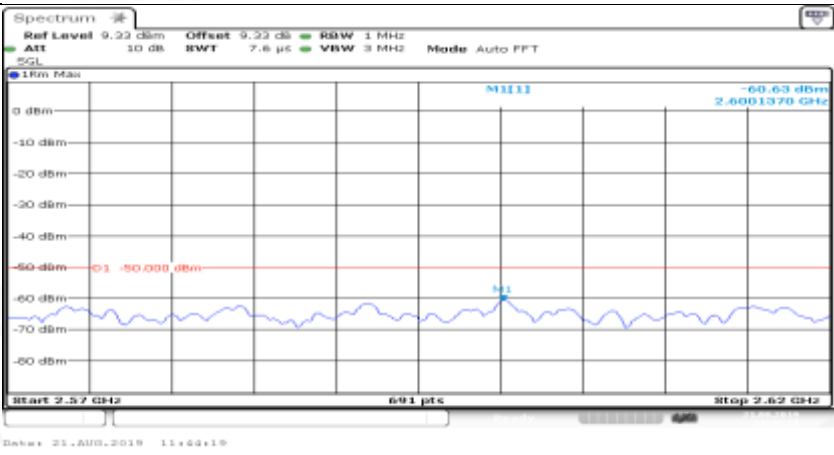





General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 20 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz</p> <p>6.91 pts</p> <p>Stop 12.75 GHz</p> <p>-55.78 dBm</p> <p>6.9120 MHz</p> <p>01 -50.000 dBm</p> <p>MI</p> <p>Date: 21.AUG.2019 11:43:31</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz</p> <p>6.91 pts</p> <p>Stop 821.0 MHz</p> <p>-66.72 dBm</p> <p>809.9070 MHz</p> <p>01 -50.000 dBm</p> <p>MI</p> <p>Date: 21.AUG.2019 11:43:37</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz</p> <p>6.91 pts</p> <p>Stop 950.0 MHz</p> <p>-64.63 dBm</p> <p>950.1400 MHz</p> <p>01 -50.000 dBm</p> <p>MI</p> <p>Date: 21.AUG.2019 11:43:44</p>

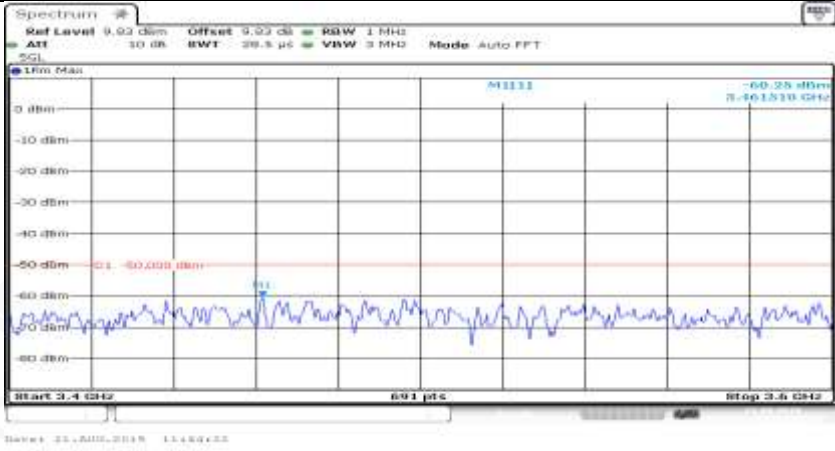
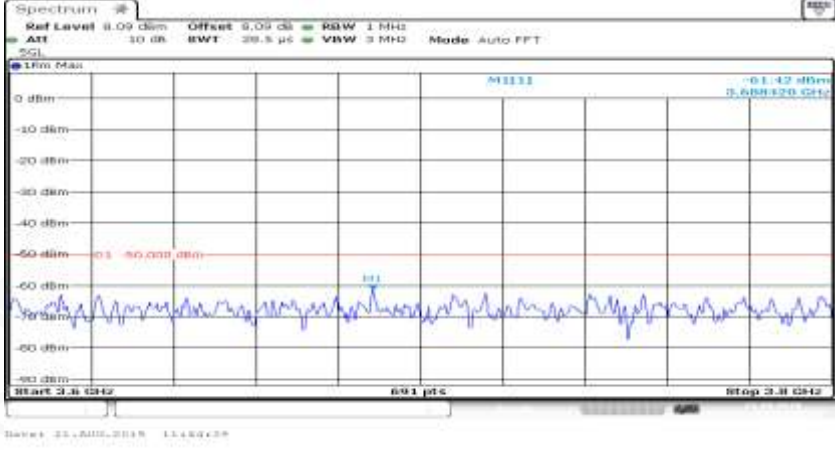
Co-existence	
Co-existence	
Co-existence	

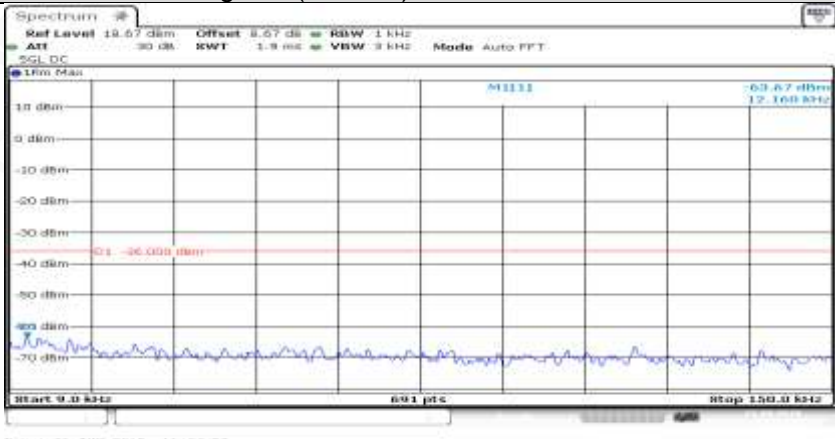


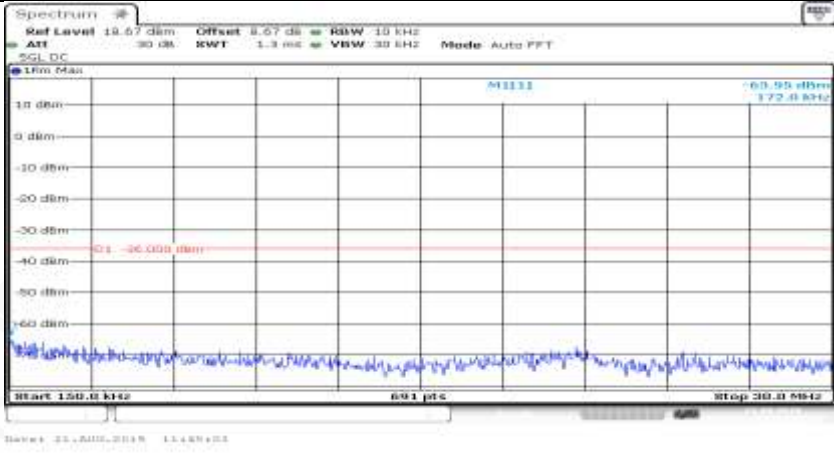
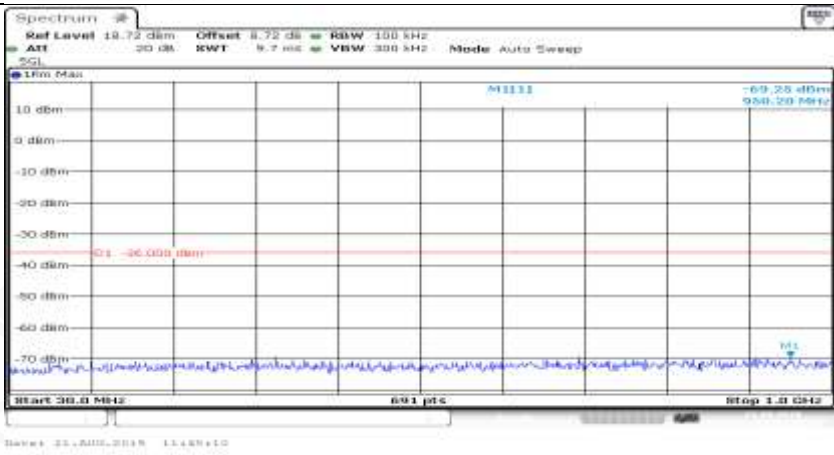
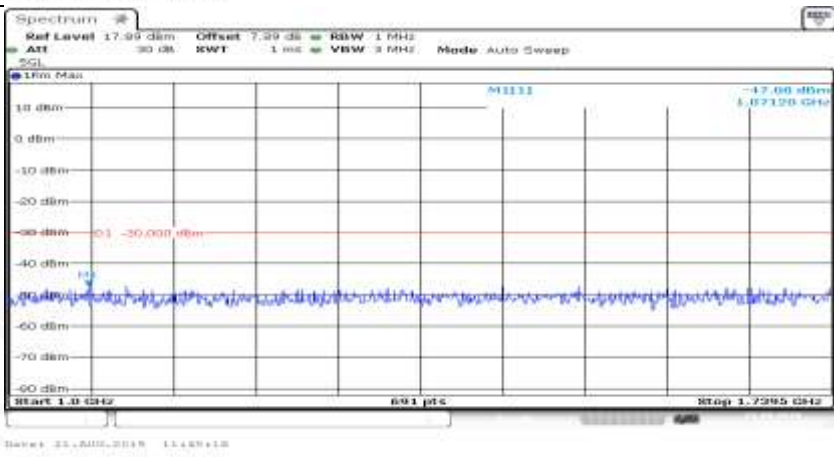
Co-existence	
Co-existence	
Co-existence	



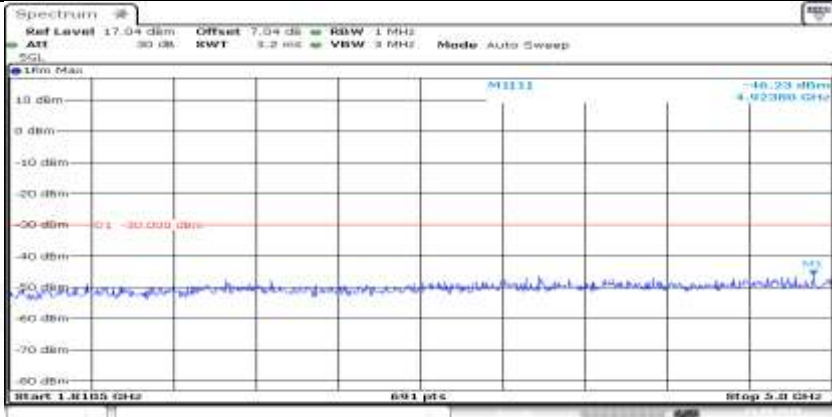
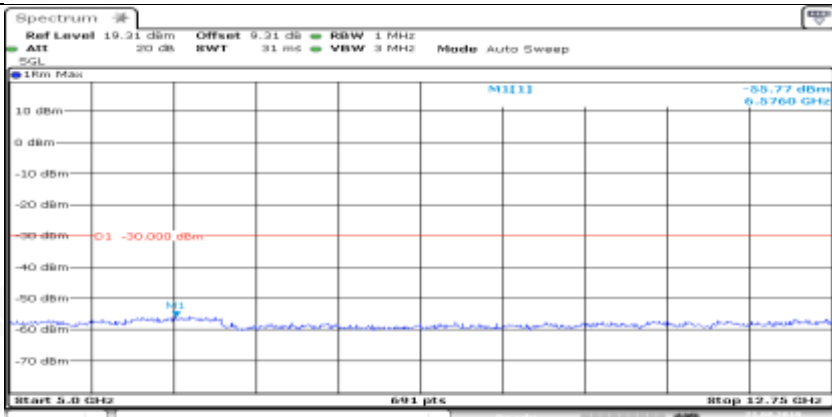



Co-existence	
Co-existence	
Additional	NA

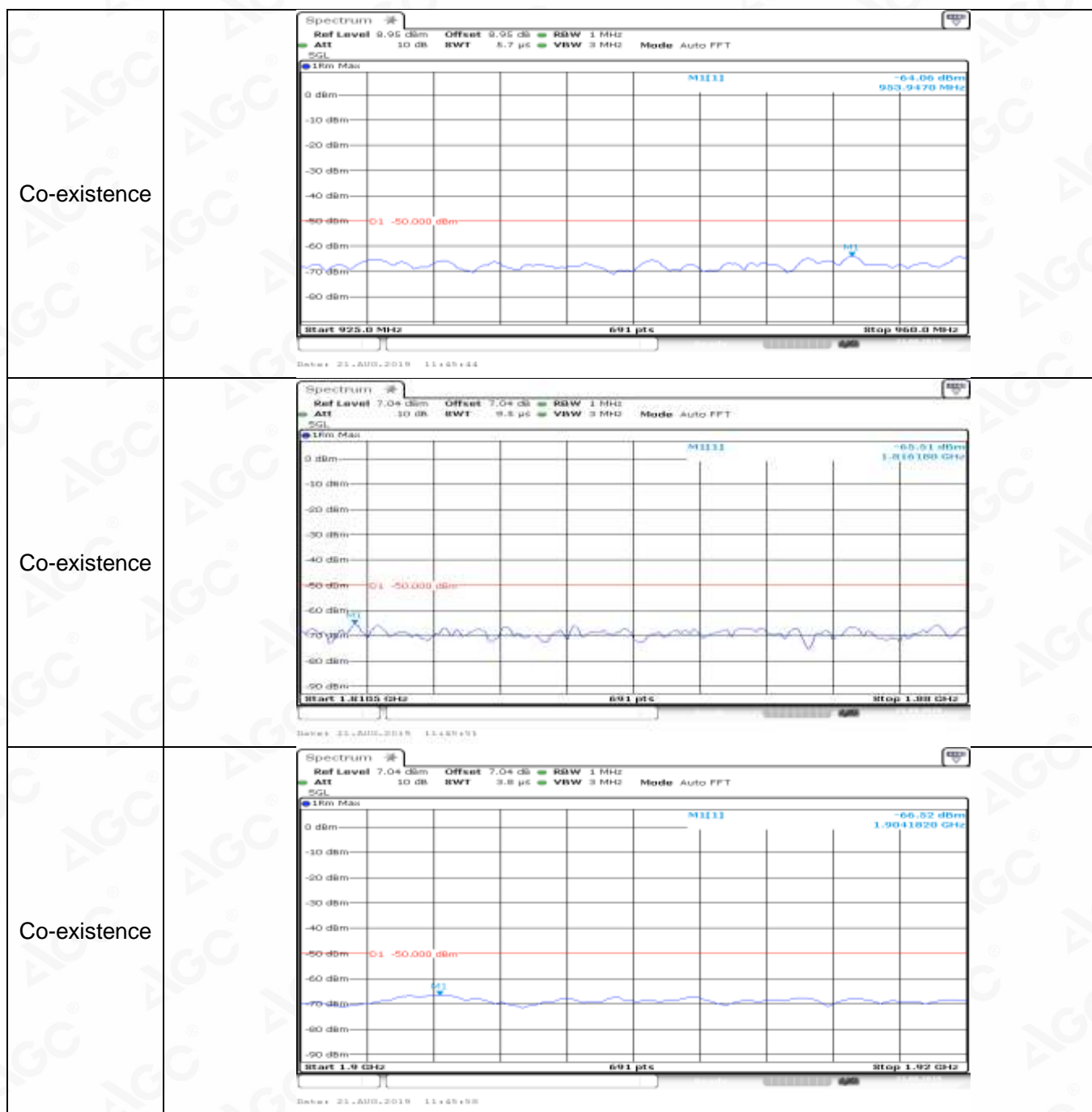
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General	

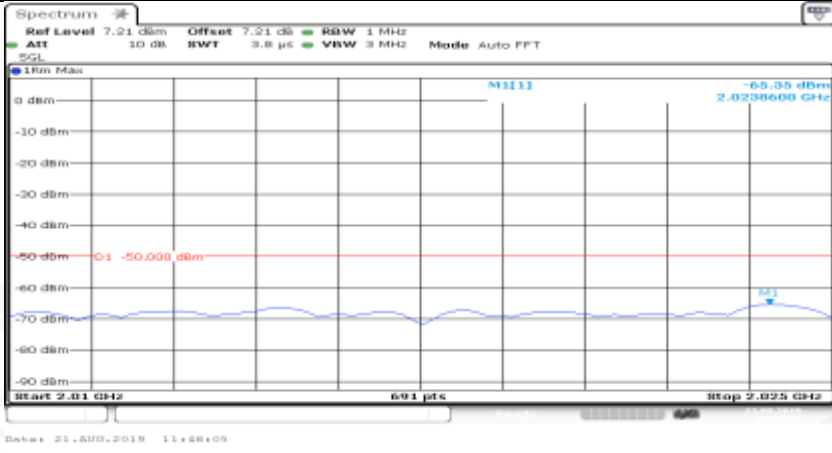

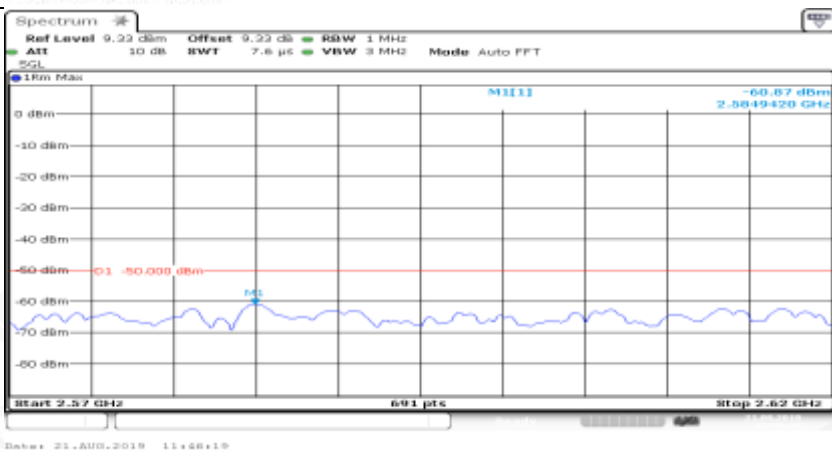
General	
General	
General	



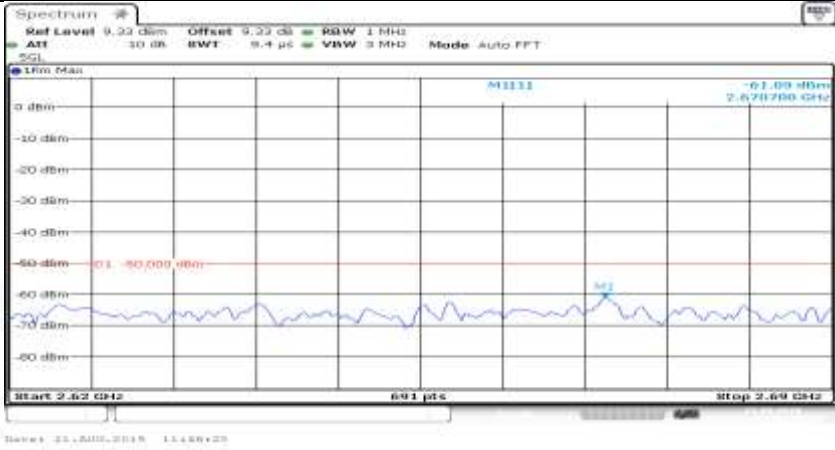
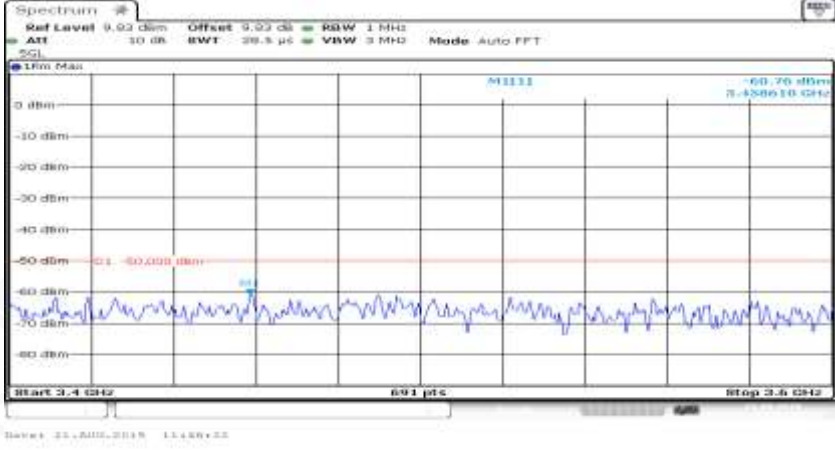
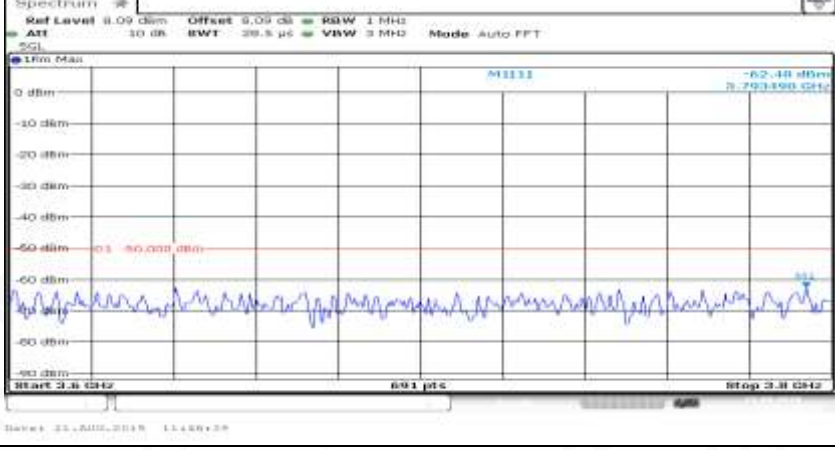
General	
General	
Co-existence	





Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA



## 6. Receiver Spurious Emissions

### Test Result

NTNV

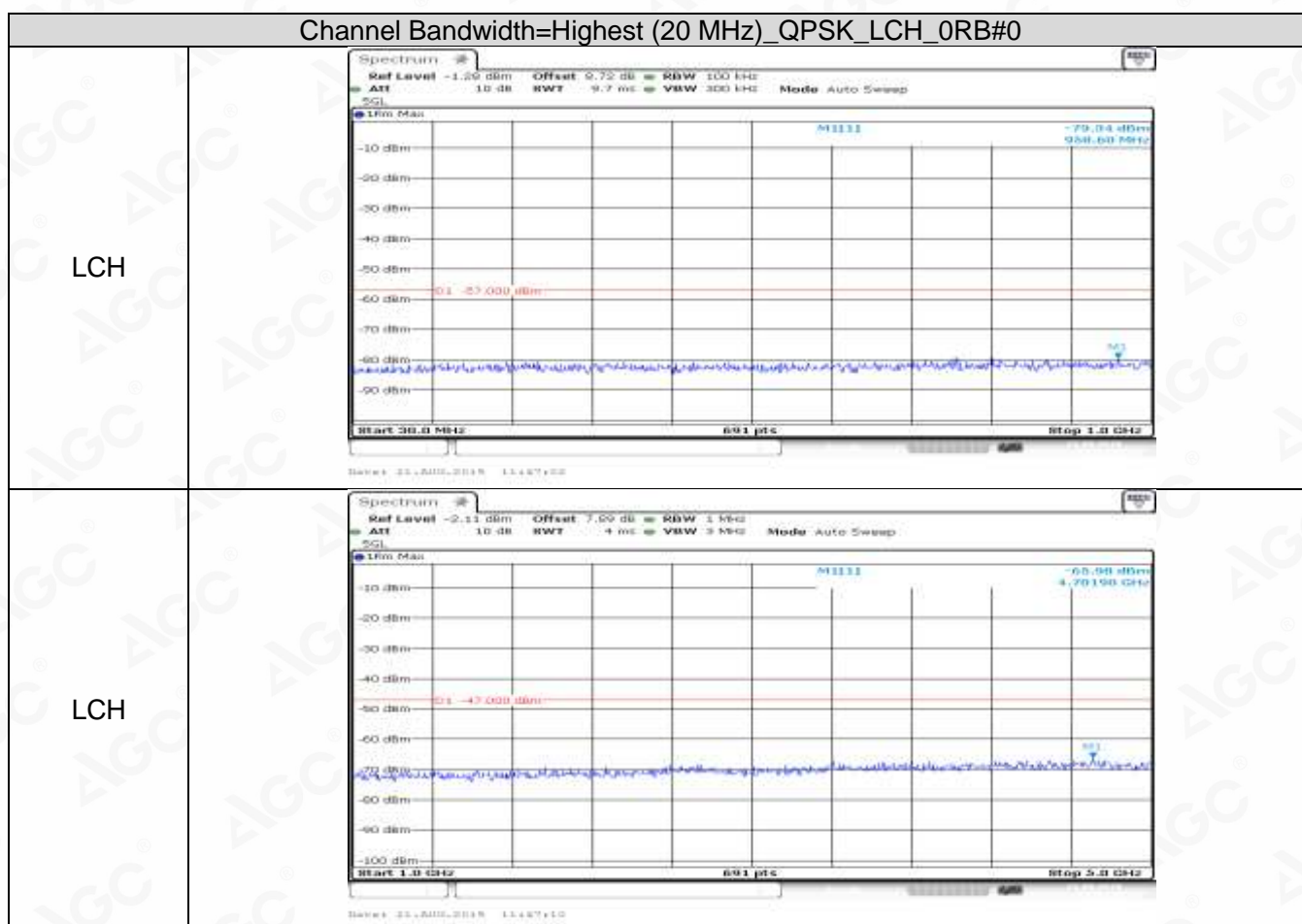
Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest



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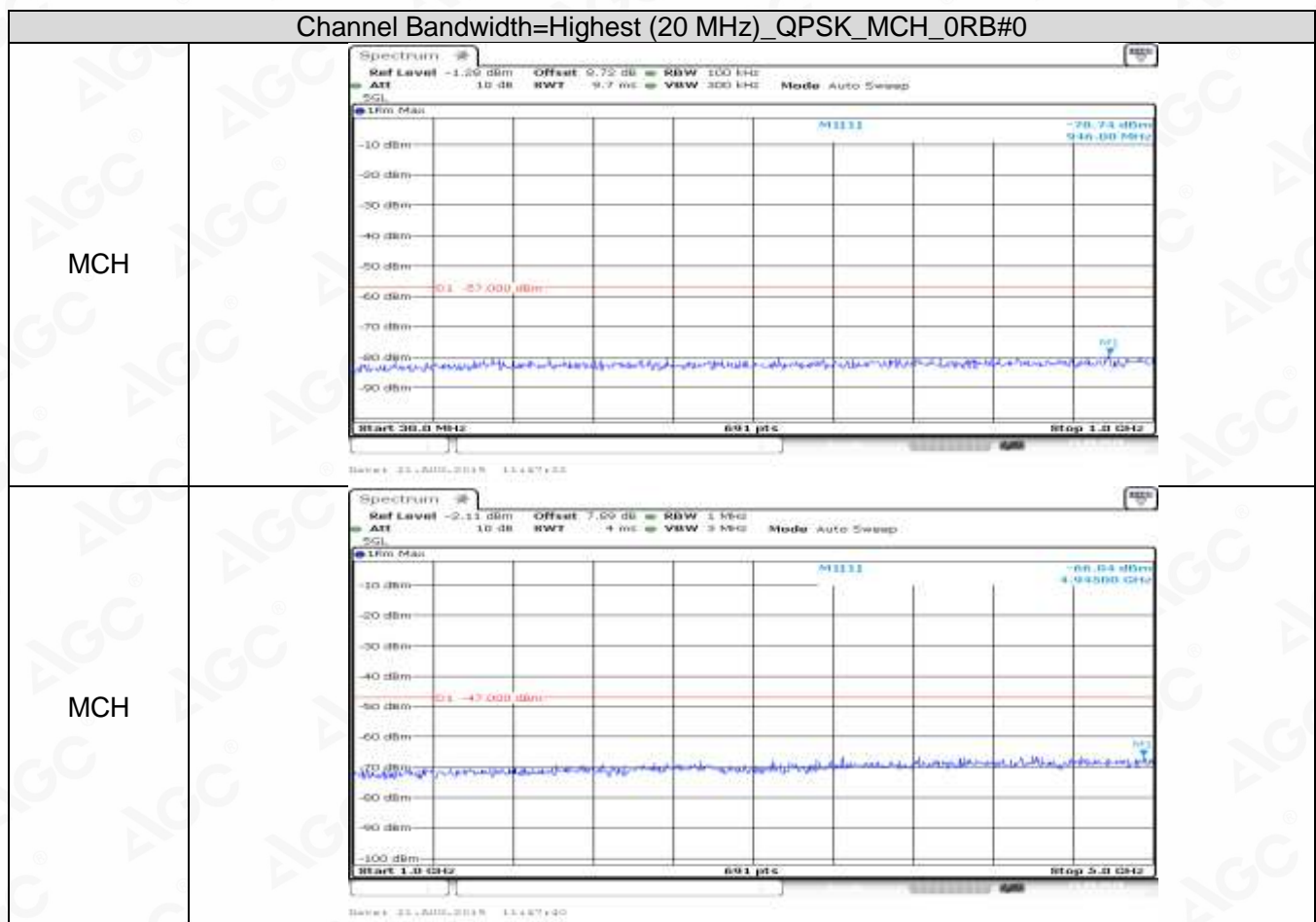
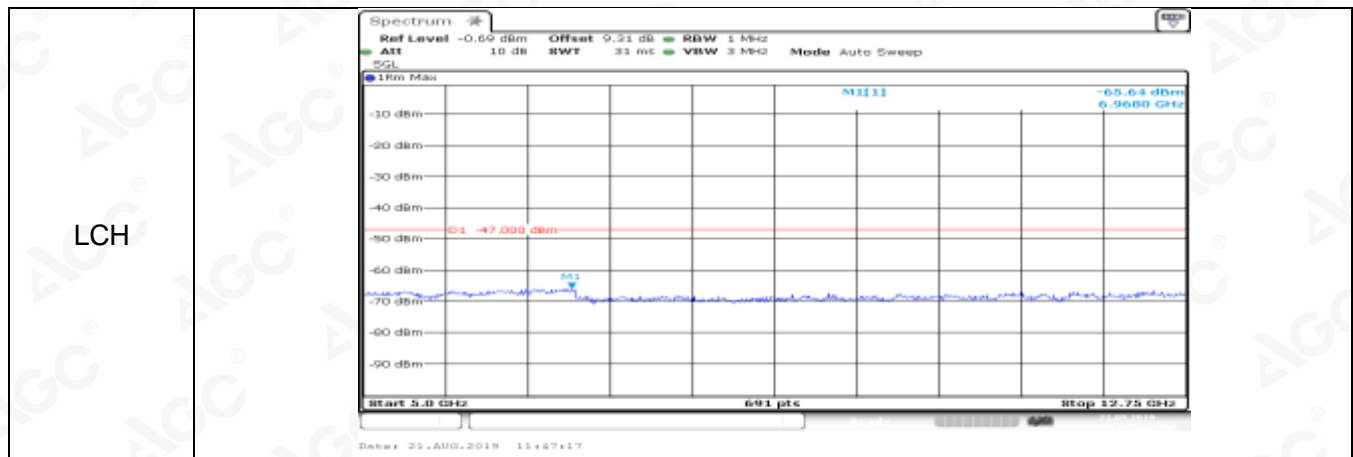
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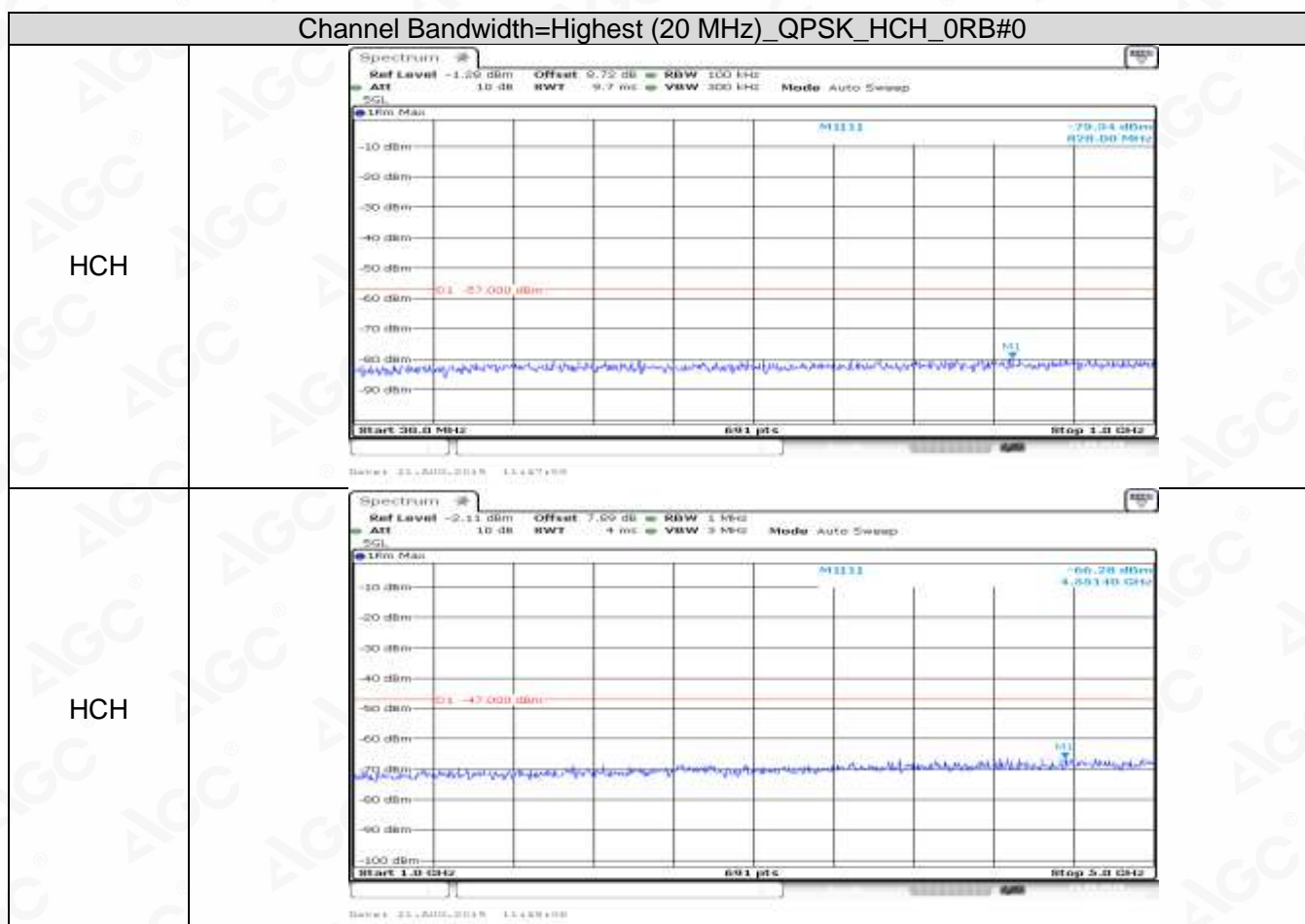
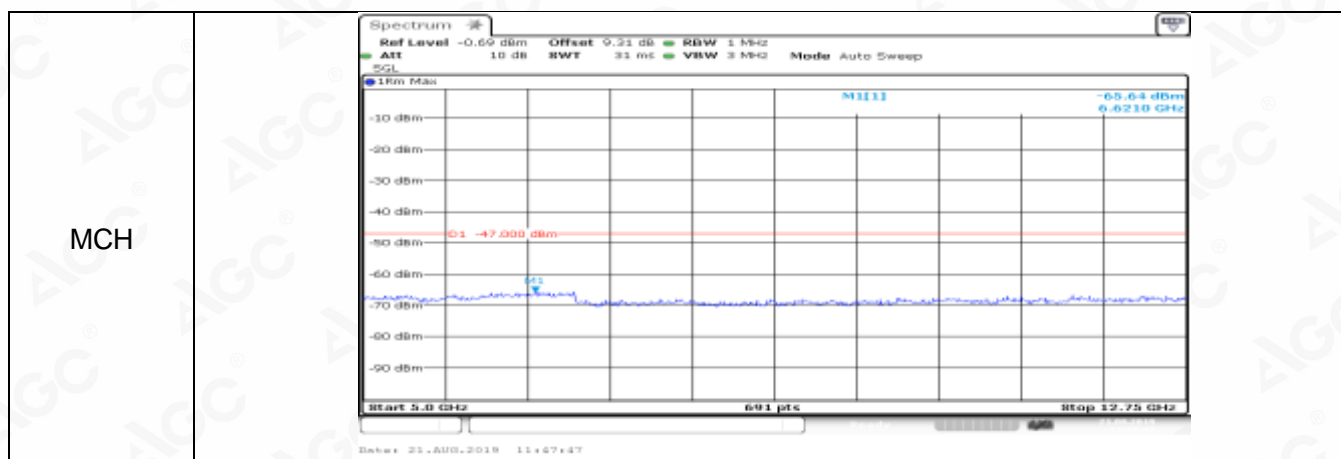
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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E-mail: agc@agc-cert.com

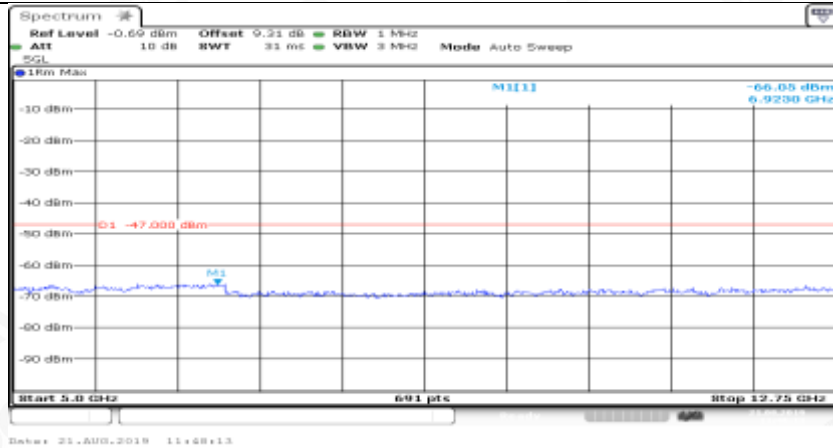
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HCH



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## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	$\geq 95 \%$
5MHz	QPSK	Full	QPSK	15,20,25	$\geq 95 \%$
20MHz	QPSK	Full	QPSK	50	$\geq 95 \%$
Verdict			Pass		

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %





20MHz	QPSK	Full	QPSK	50	$\geq 95 \%$
<b>Verdict</b>	<b>Pass</b>				

#### Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration				Downlink Configuration
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK
5MHz	QPSK	10MHz	QPSK	5MHz	QPSK
20MHz	QPSK	20MHz	QPSK	20MHz	QPSK
Verdict	Pass				



## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 3			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration				Downlink Configuration	
Ch BW	Mod' n	Ch BW	Mod' n	Ch BW	Mod' n	Ch BW
1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz	QPSK	1.4MHz
5MHz	QPSK	5MHz	QPSK	5MHz	QPSK	10MHz
20MHz	QPSK	20MHz	QPSK	20MHz	QPSK	20MHz
Verdict	Pass					





## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All the modes had been tested, but only the worst data recorded in the report.

NTNV

	Test Band			Band 3			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVN	1.4MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	5MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	50	Pass	≥ 95 %
	Verdict	Pass					



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E-mail: agc@agc-cert.com

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## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-73.12	-73.01	-73.13
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-75.00	-75.20	-75.24
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-69.79	-69.43	-69.55



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E-mail: agc@agc-cert.com

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## Appendix C for Band 7

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 TNVN) of fellow

#### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	24.00	Pass
					max	24.07	Pass
				Partial	0	24.15	Pass
					max	24.20	Pass
			Mid range	1	0	24.49	Pass
					max	24.48	Pass
				Partial	0	24.48	Pass
					max	24.45	Pass
			High range	1	0	24.74	Pass
					max	24.29	Pass
				Partial	0	24.95	Pass
					max	24.37	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.83	Pass
					max	24.07	Pass
				Partial	0	23.93	Pass
					max	24.18	Pass
			Mid range	1	0	24.13	Pass
					max	23.67	Pass
				Partial	0	24.25	Pass
					max	23.71	Pass
			High range	1	0	23.50	Pass
					max	24.08	Pass
				Partial	0	24.05	Pass
					max	24.56	Pass



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## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 TNVN) of fellow

### Test Result

NTNV

**Channel Bandwidth=Lowest (5 MHz)**

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-43.60	Pass
			Mid range	Full	0	-51.16	Pass
			High range	Full	0	-50.13	Pass

**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20MHz	Low range	Full	0	-49.11	Pass
			Mid range	Full	0	-49.52	Pass
			High range	Full	0	-48.79	Pass



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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
			Full	0	PUMAX	Pass		

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
	Full		0	PUMAX	Pass		
	16QAM		Low range	Partial	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

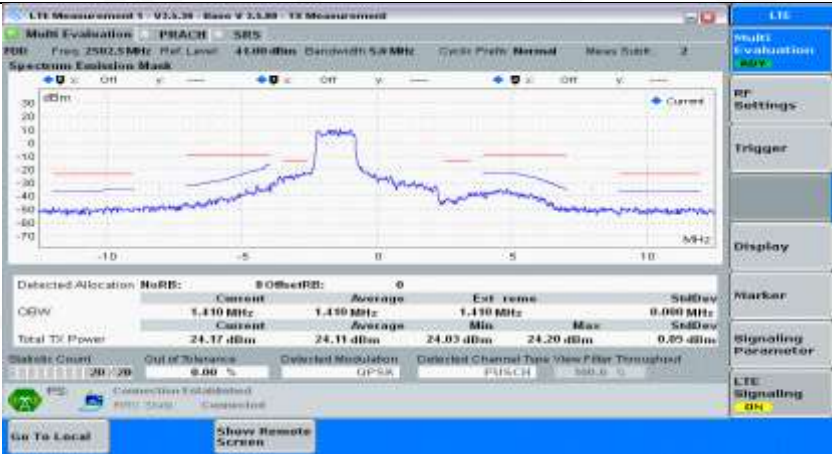
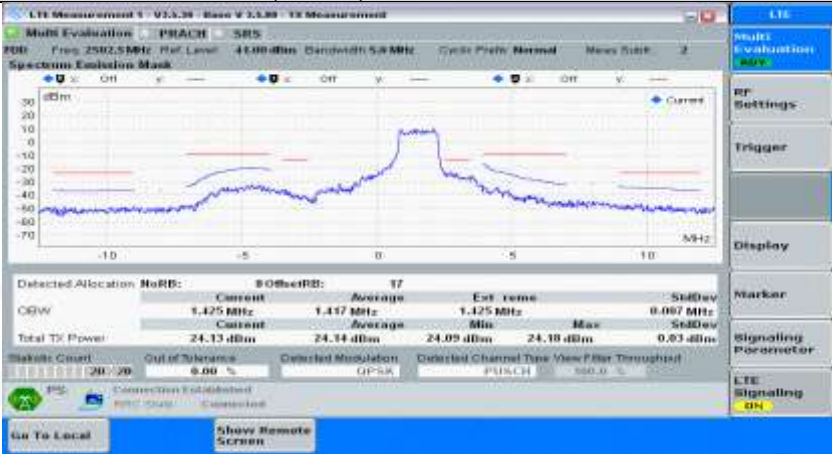
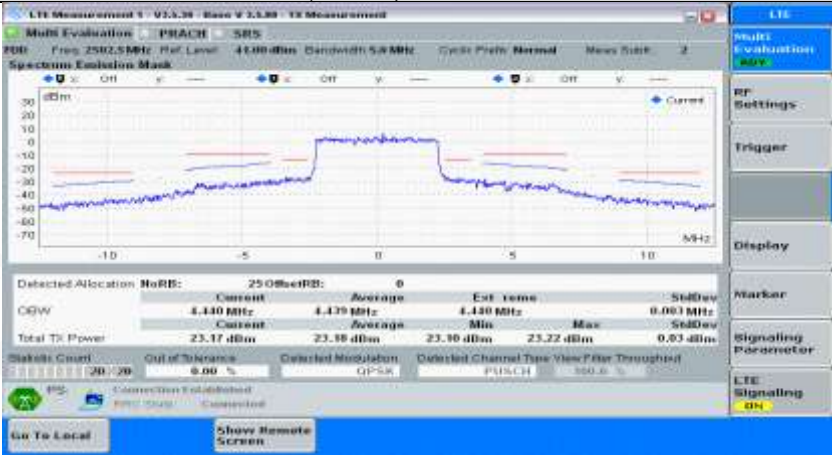
### Test Graphs

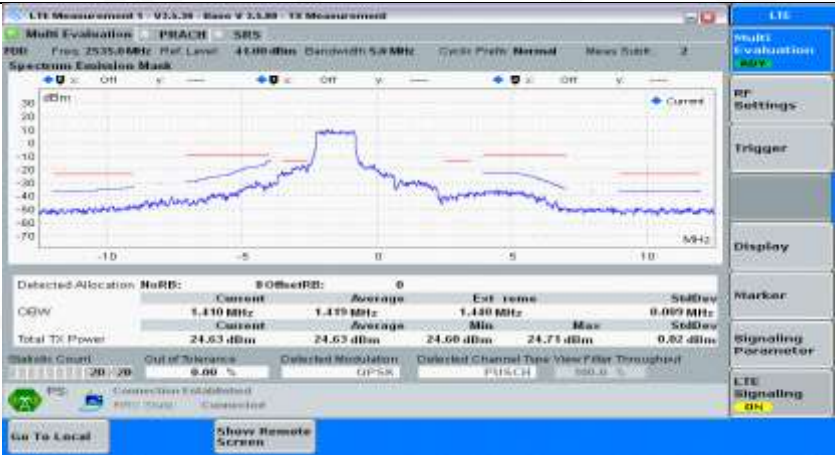
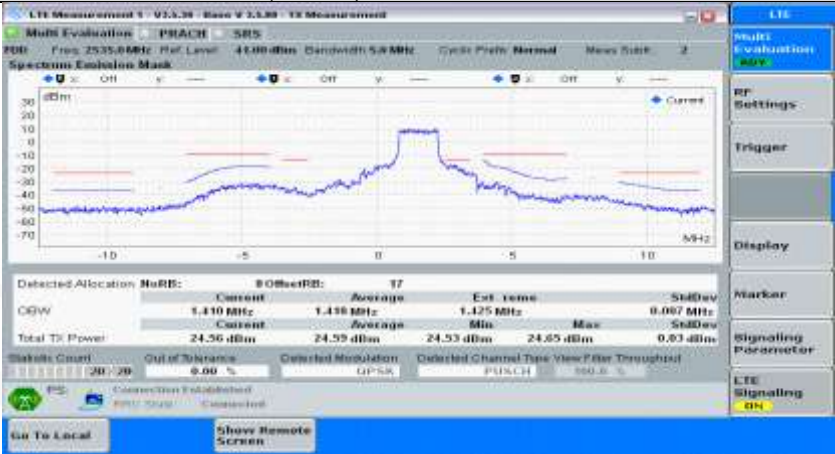
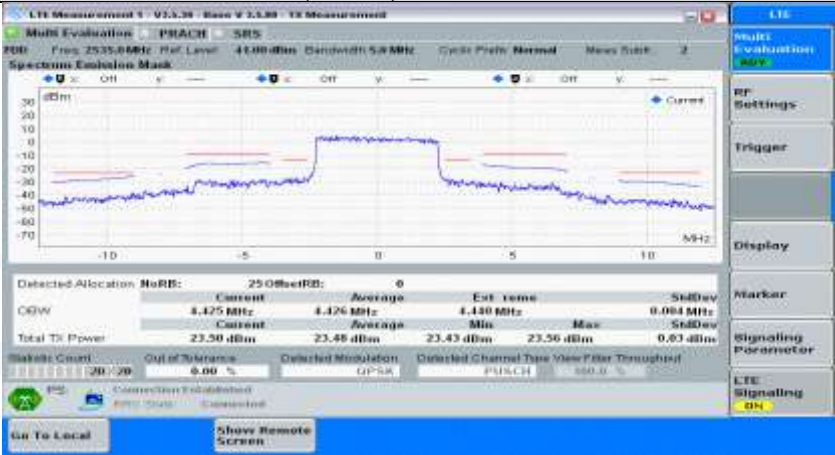
NTNV

### Channel Bandwidth=Lowest (5 MHz)

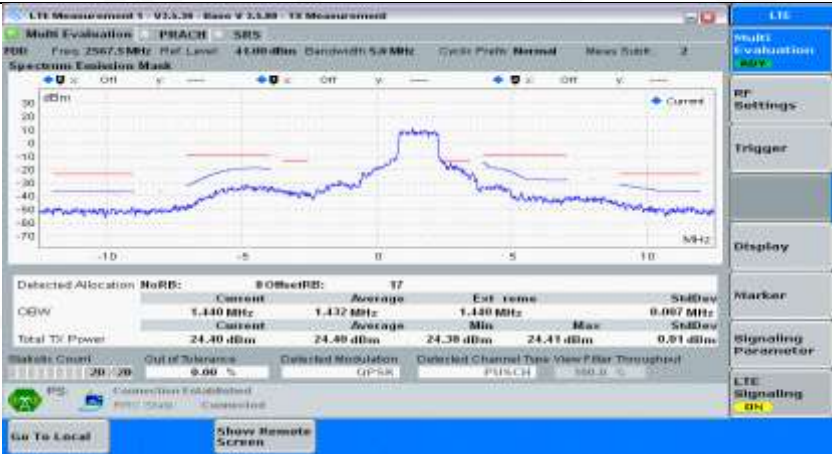
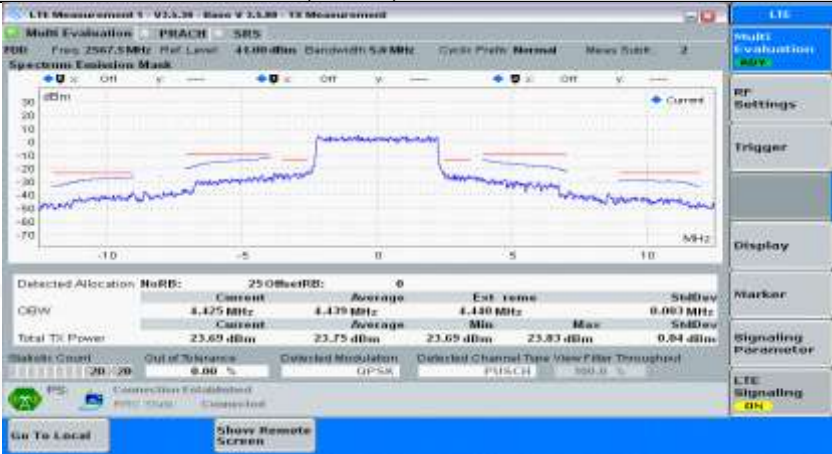
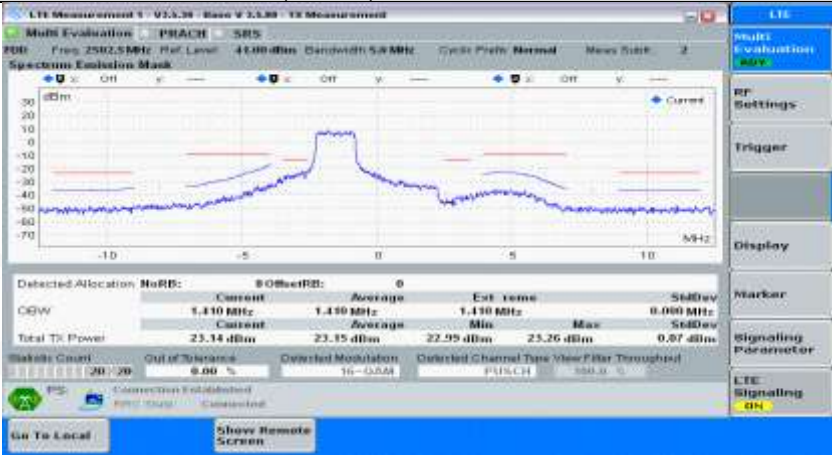
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
---



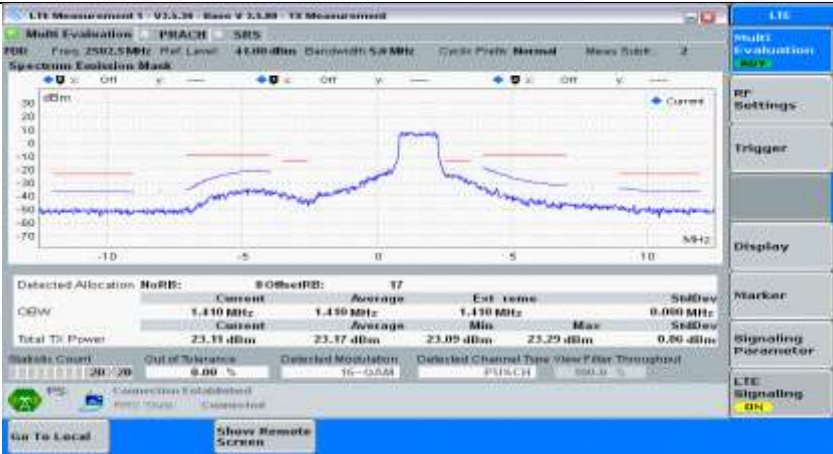
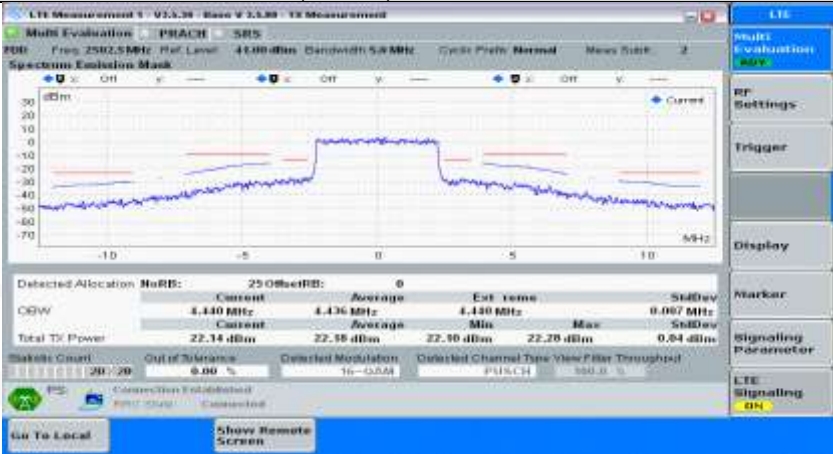
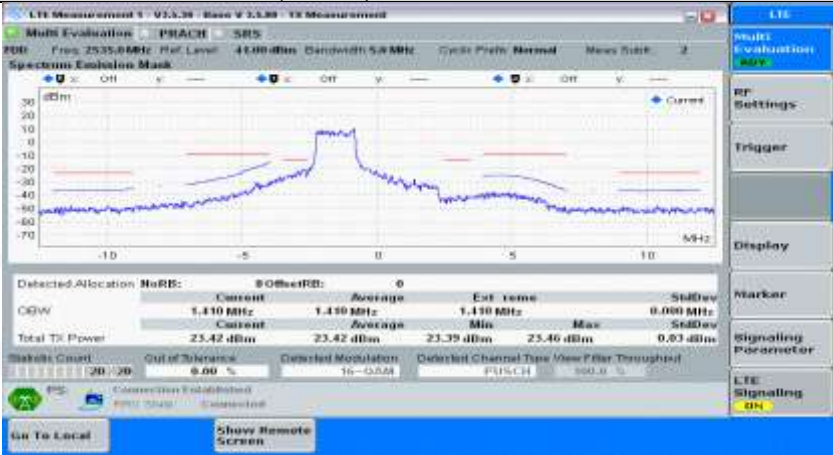
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	

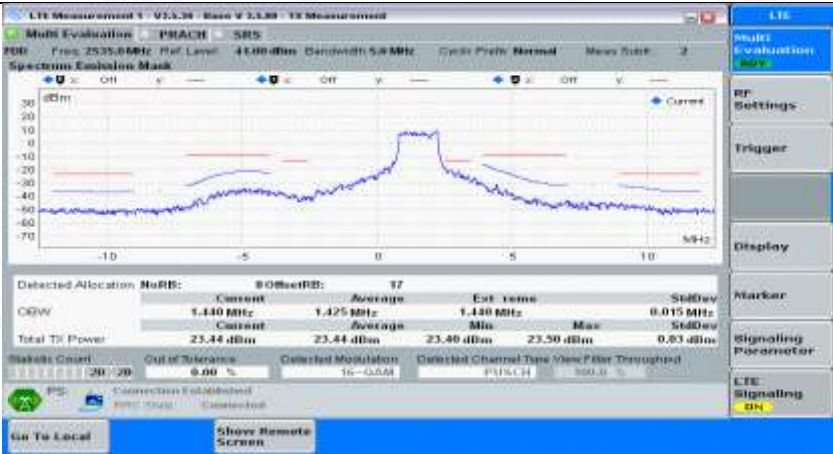
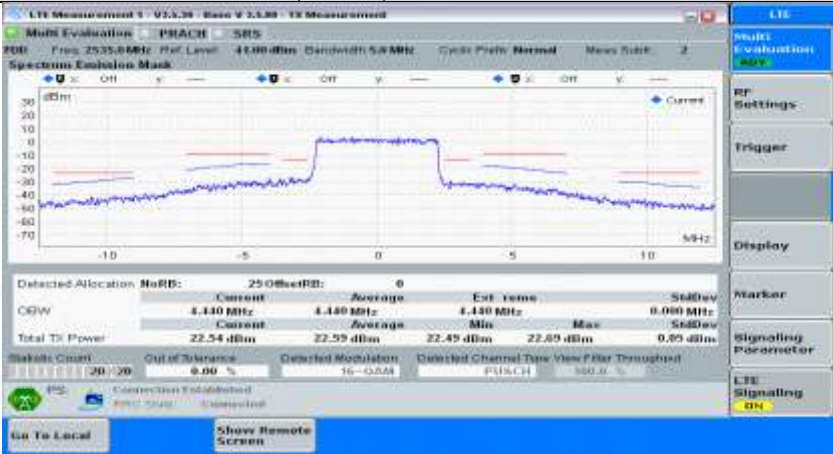
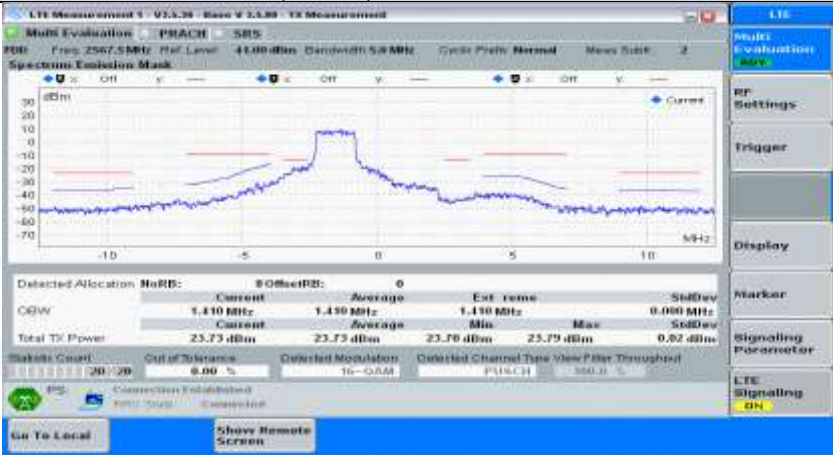
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0	
QPSK	#BWL-Img-QPSK-HCH-P-L-Emask
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	



QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>



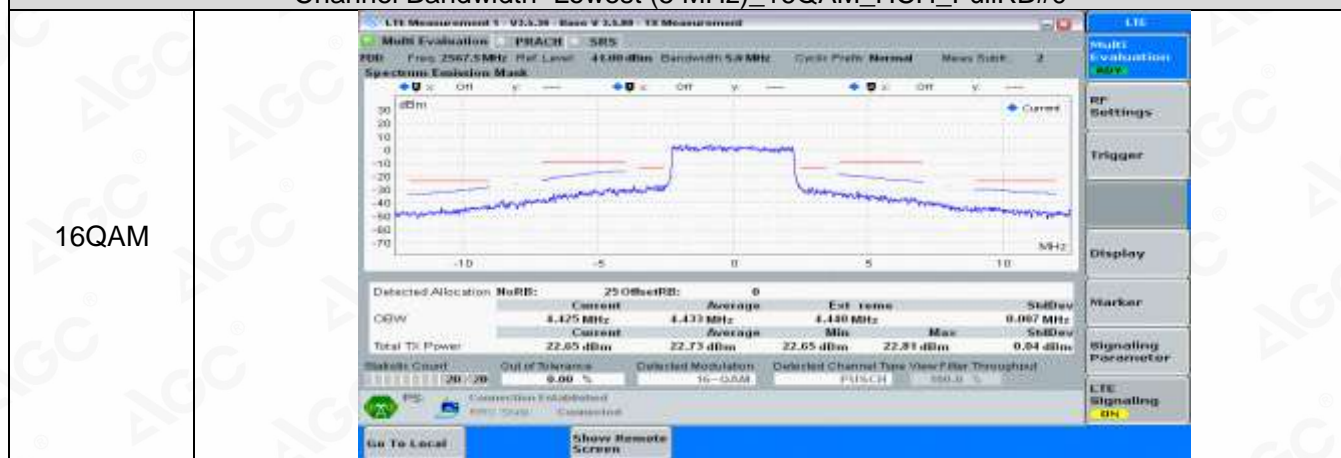
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	

16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max</p>



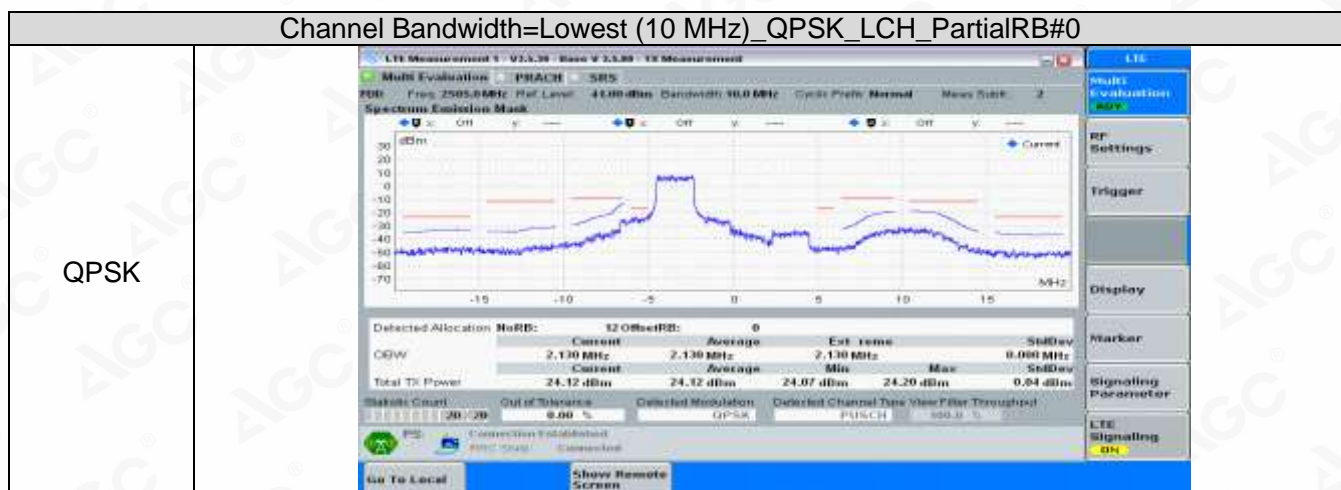


Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullRB#0



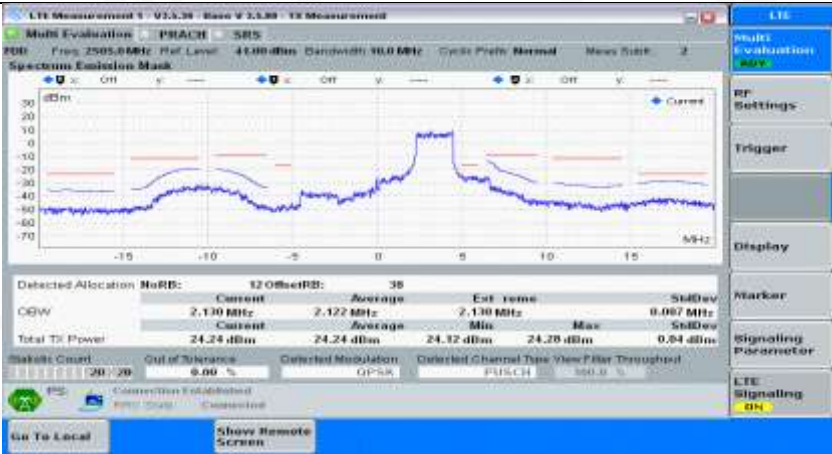
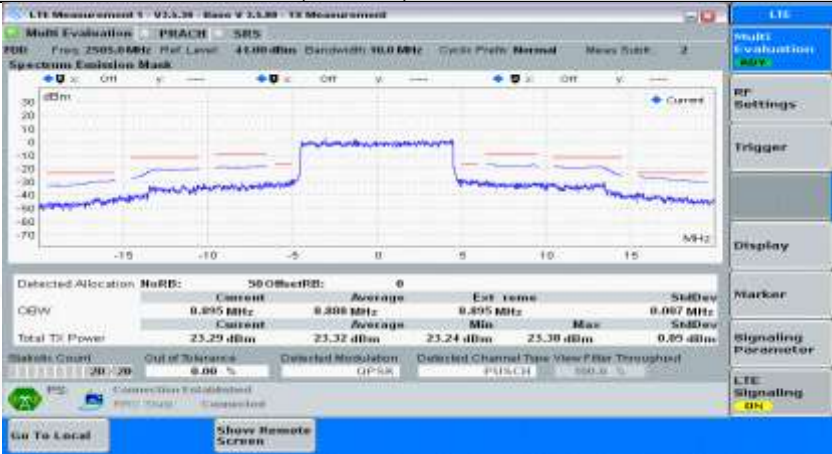
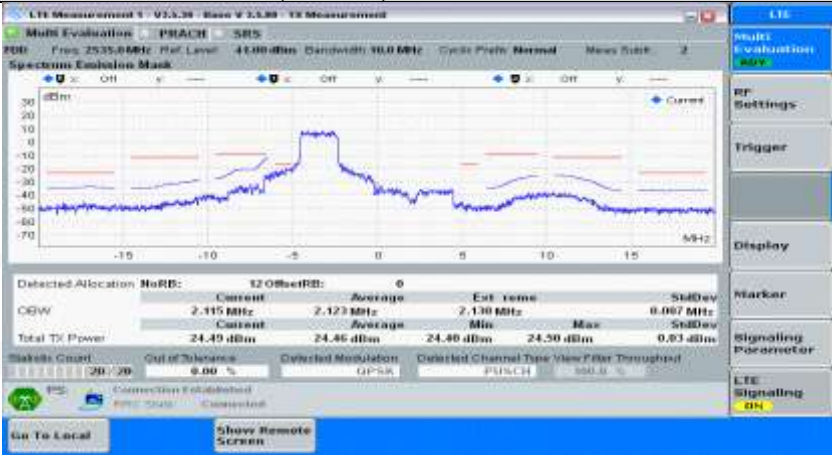
Channel Bandwidth= (10 MHz)

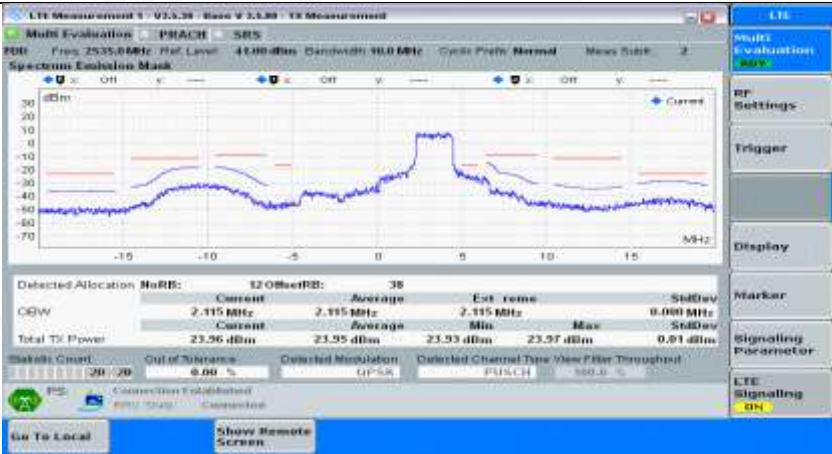
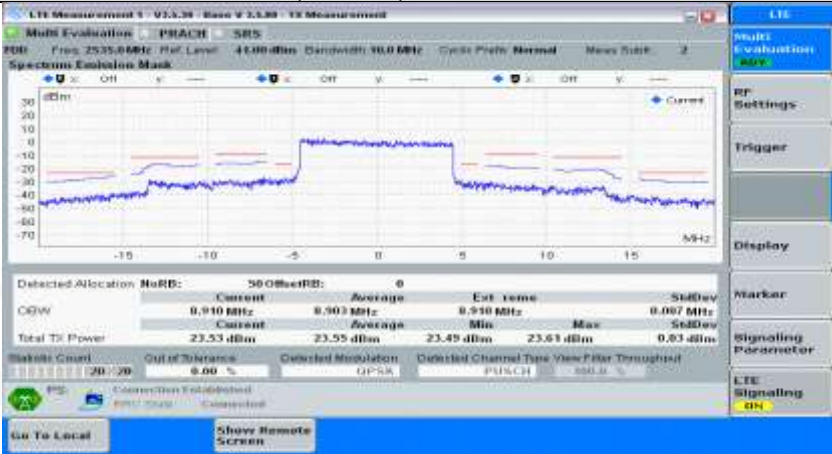

Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0



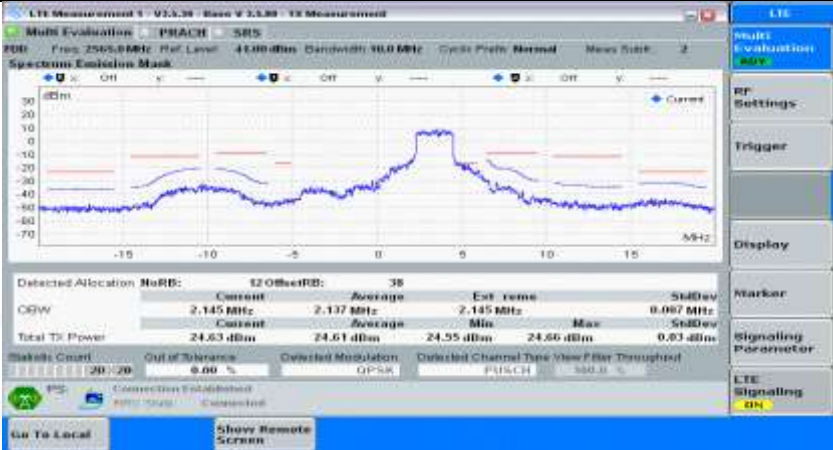
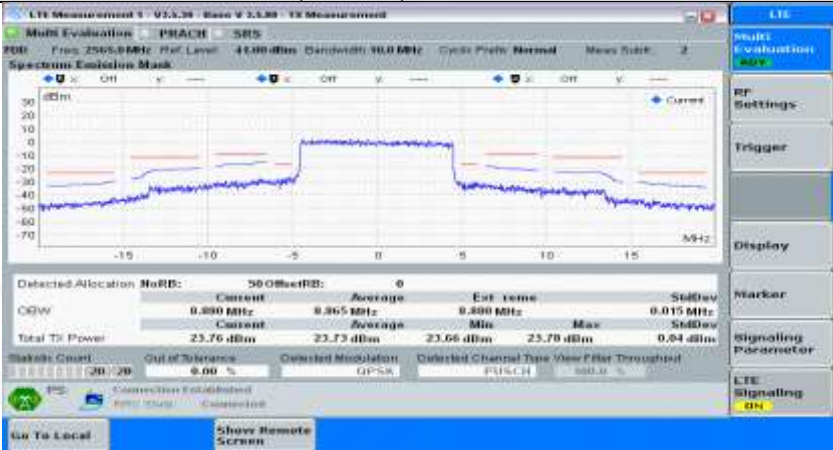
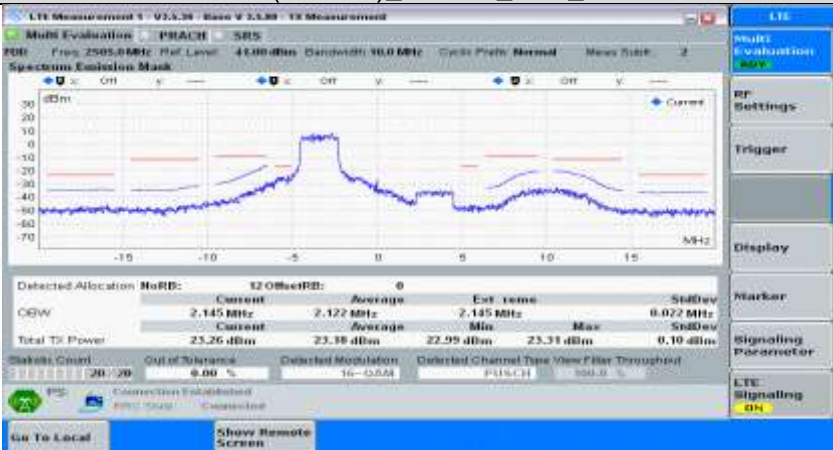
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#max



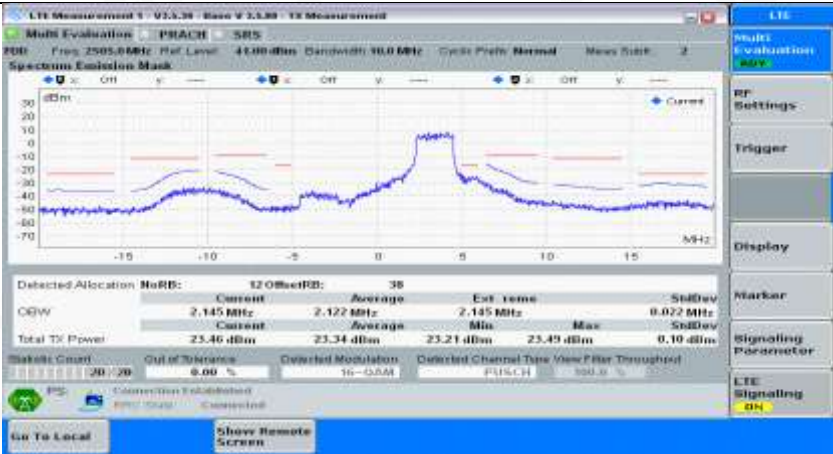
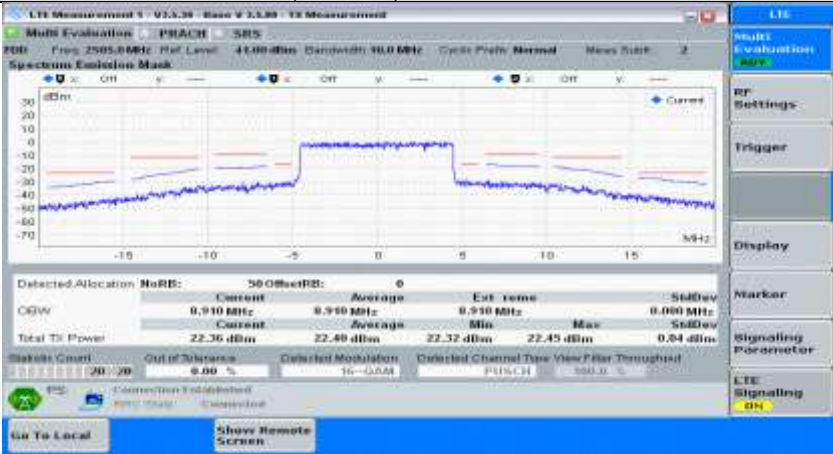

QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	

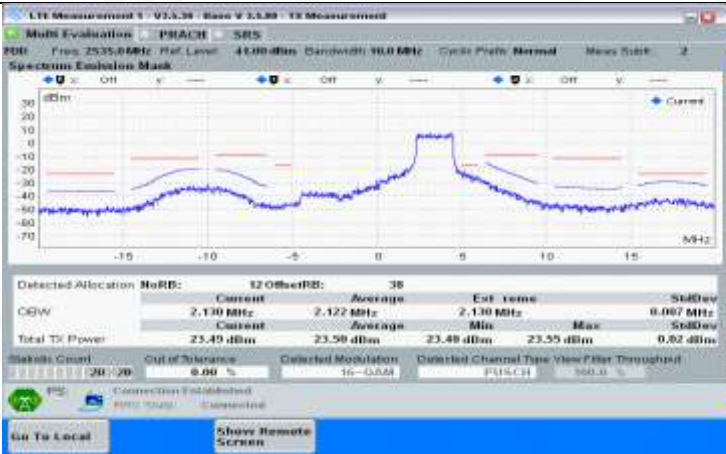
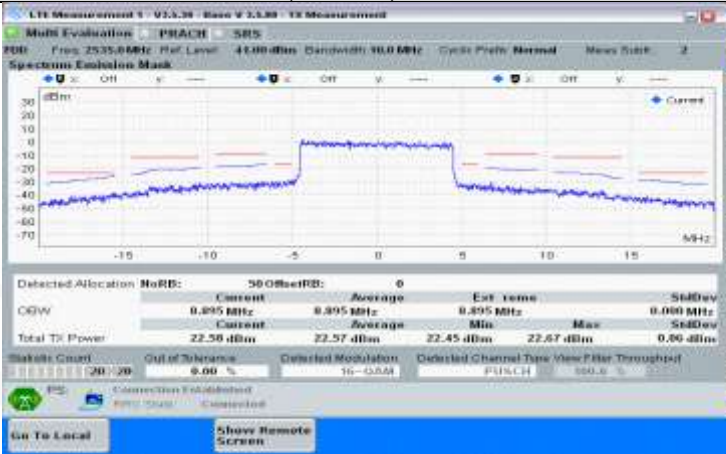
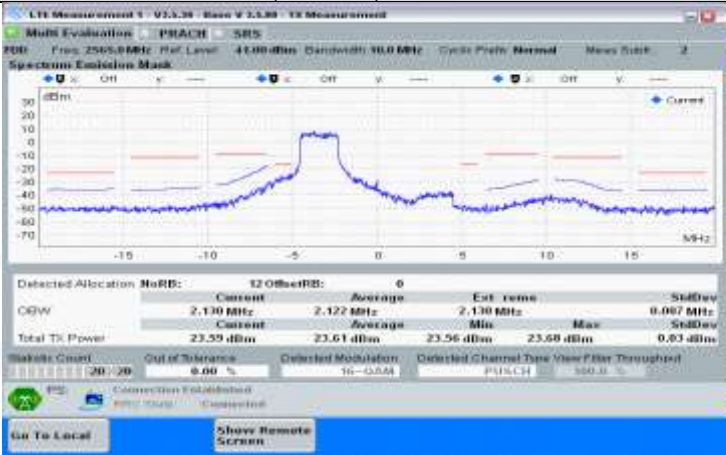
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>



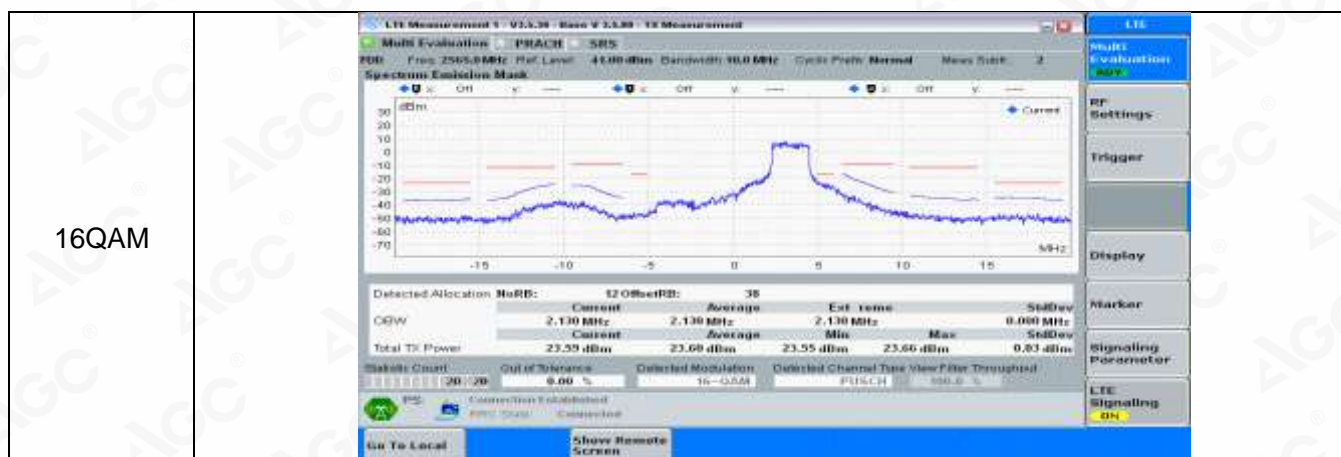
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialIRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialIRB#max</p>



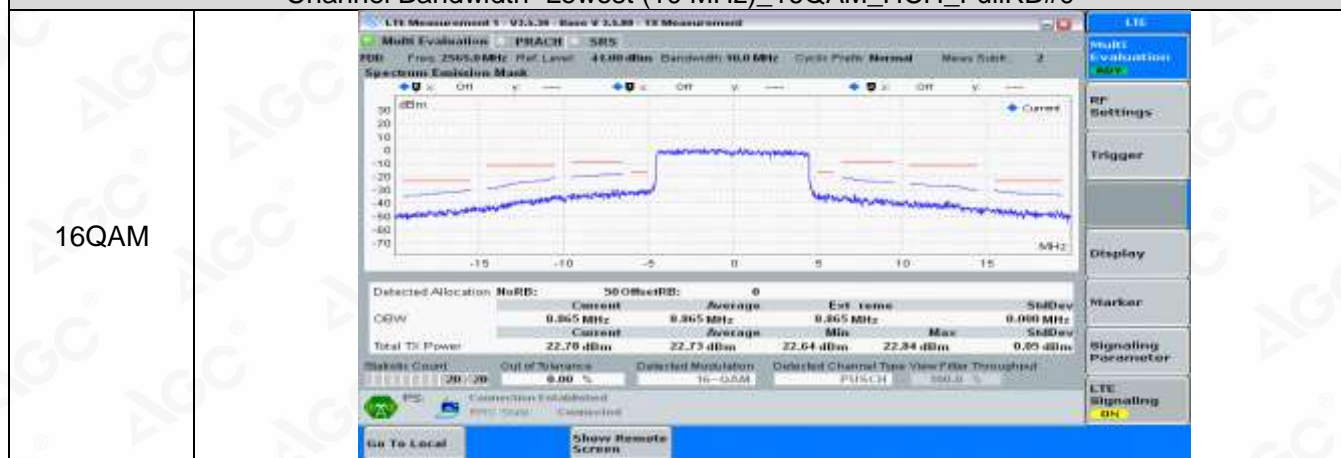
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	

16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max		

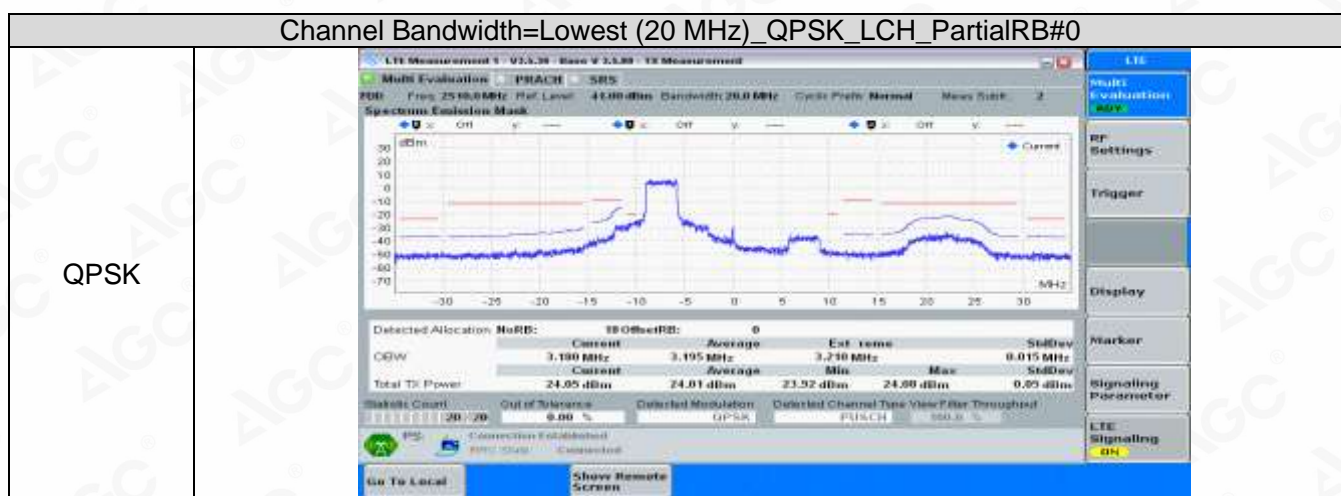




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0

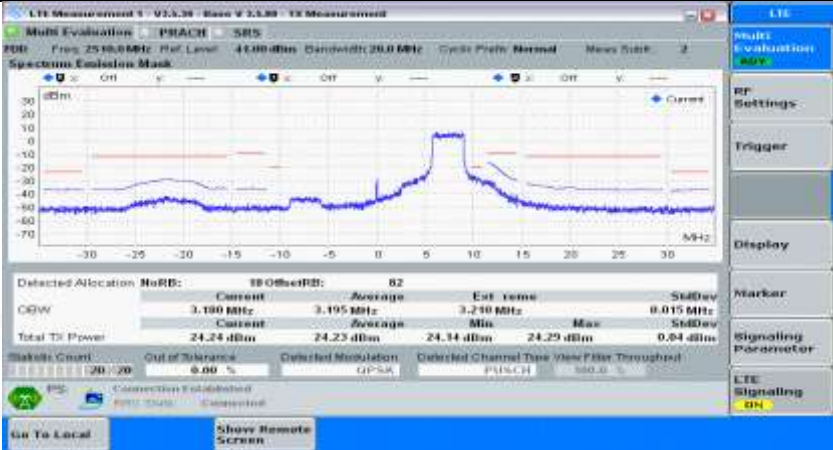
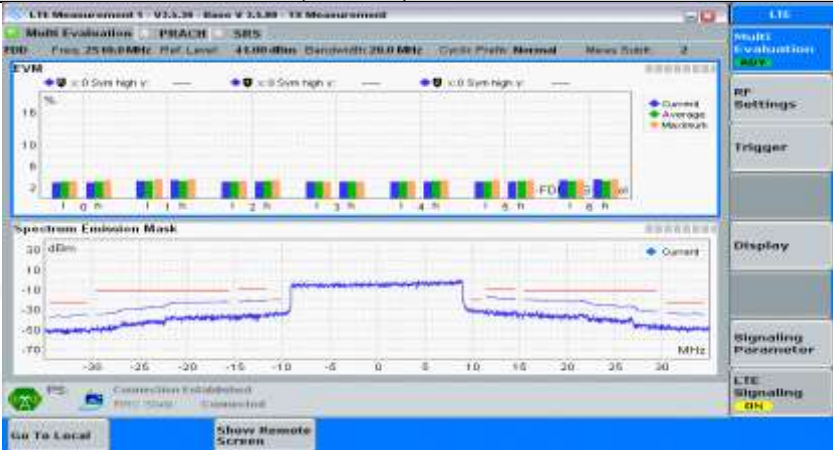
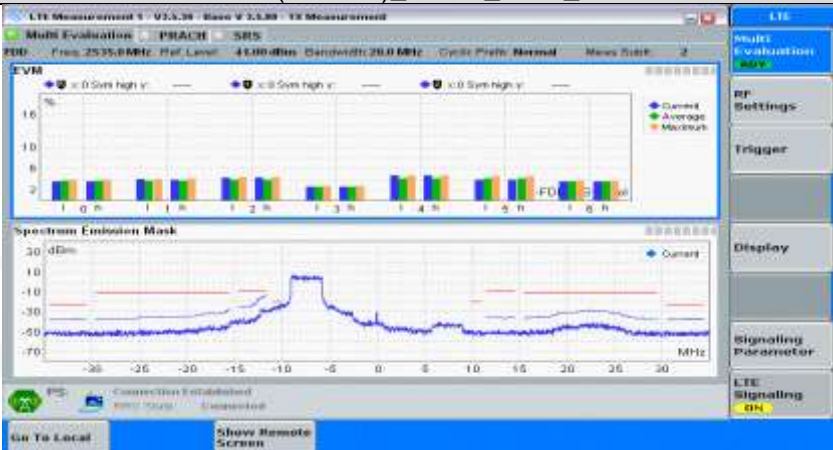


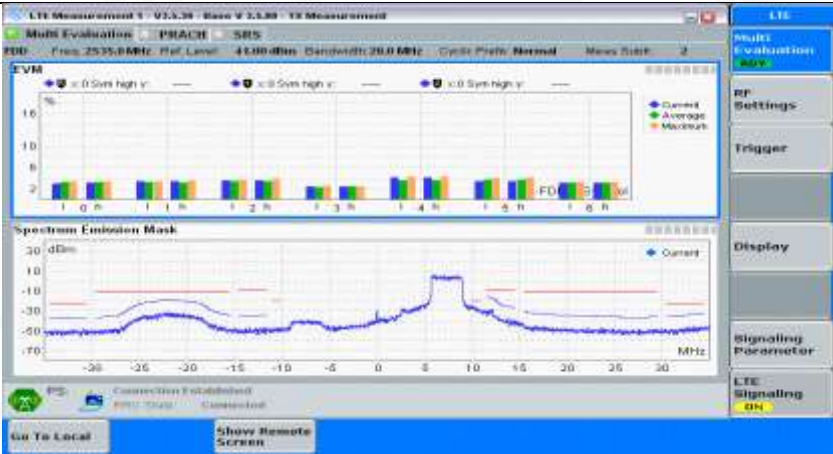
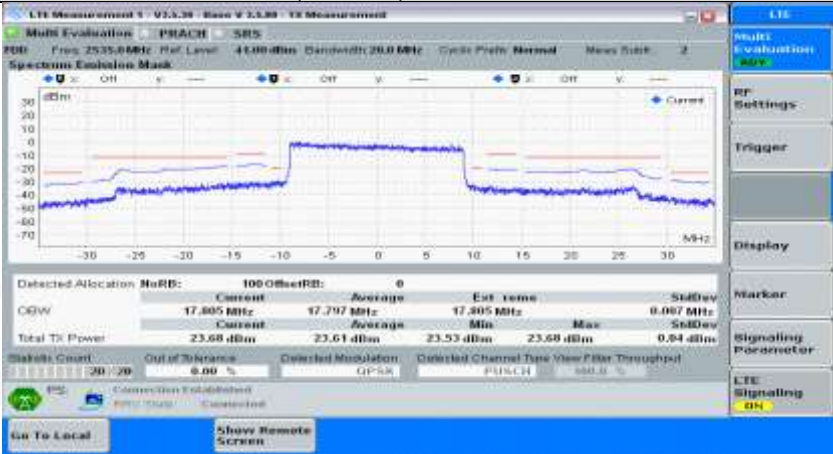
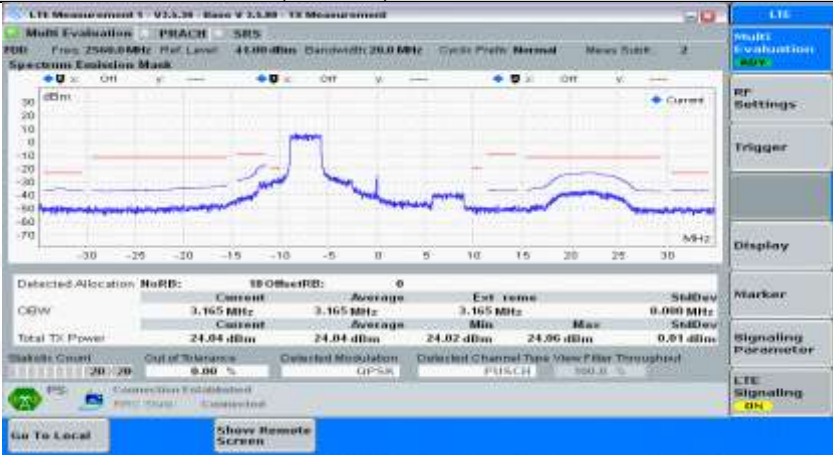
Channel Bandwidth=Highest (20 MHz)



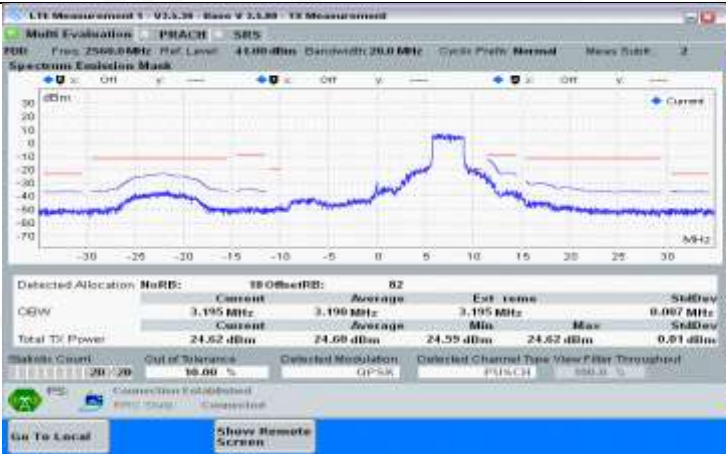

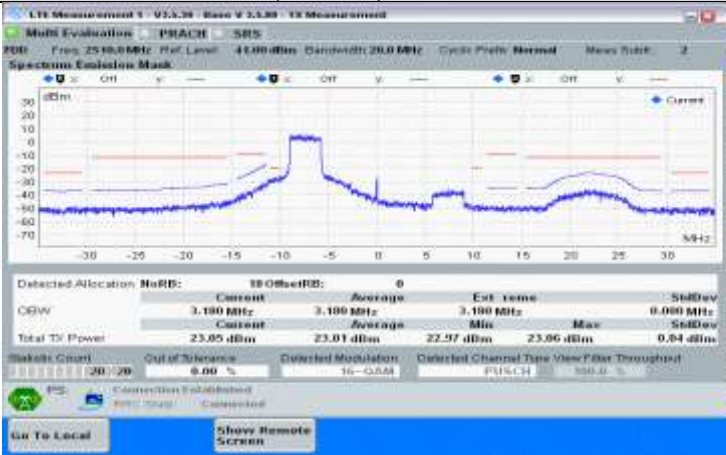
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#max



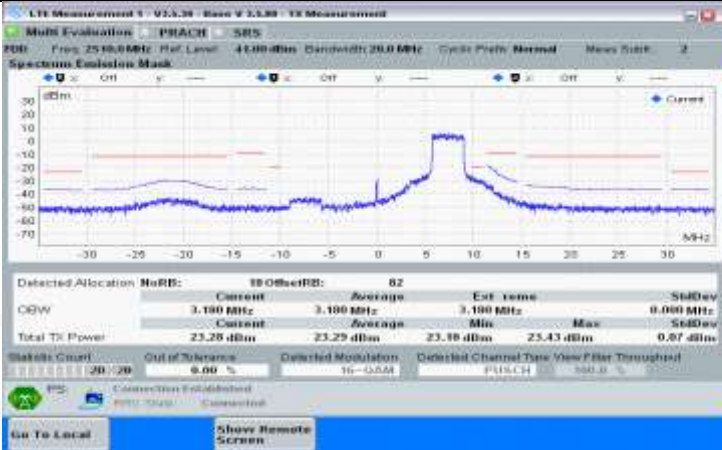

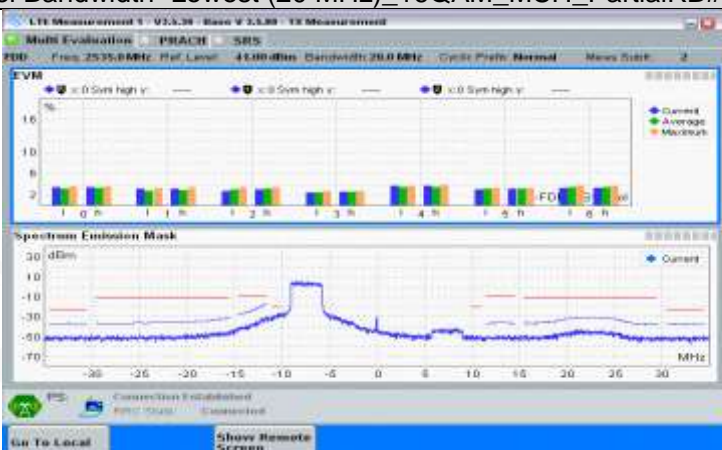
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	

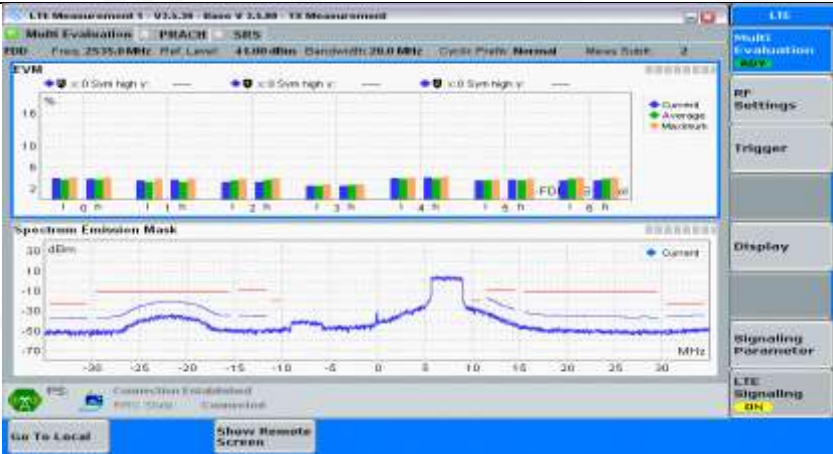
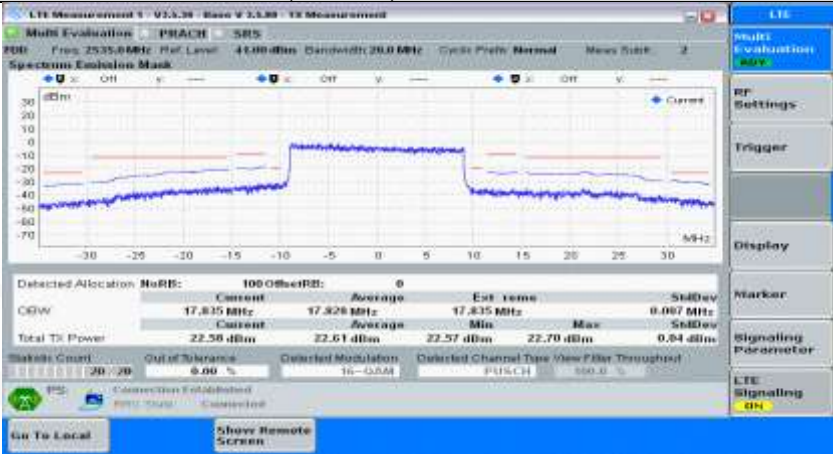

QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max	



QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max		



16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		



16QAM	
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0	
16QAM	



#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs




NTNV




### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	











QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		
QPSK	#BWL-lmg-QPSK-HCH-P-L-TNVN-Aclr	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		

QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
QPSK	#BWL-lmg-QPSK-HCH-F-L-TNVN-Aclr
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	



16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0		






16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0	



Channel Bandwidth= (10 MHz)






QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0</p>





QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0	

QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>	<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>	<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>	<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>



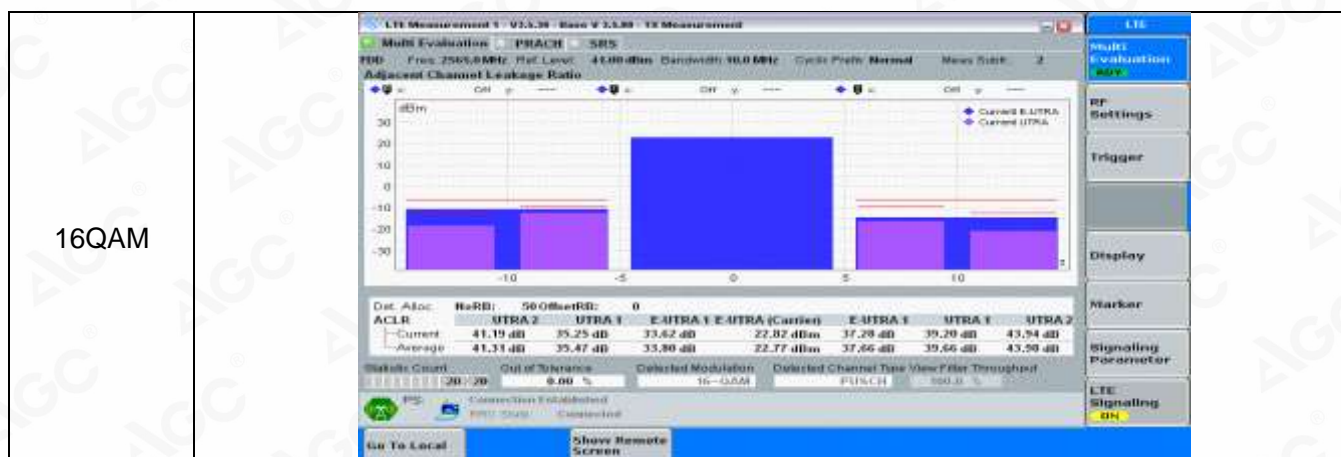


16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>





16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0</p>





Channel Bandwidth=Highest (20 MHz)





QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0</p>



QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>

QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0</p>



## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (5 MHz)**

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (20 MHz)**

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

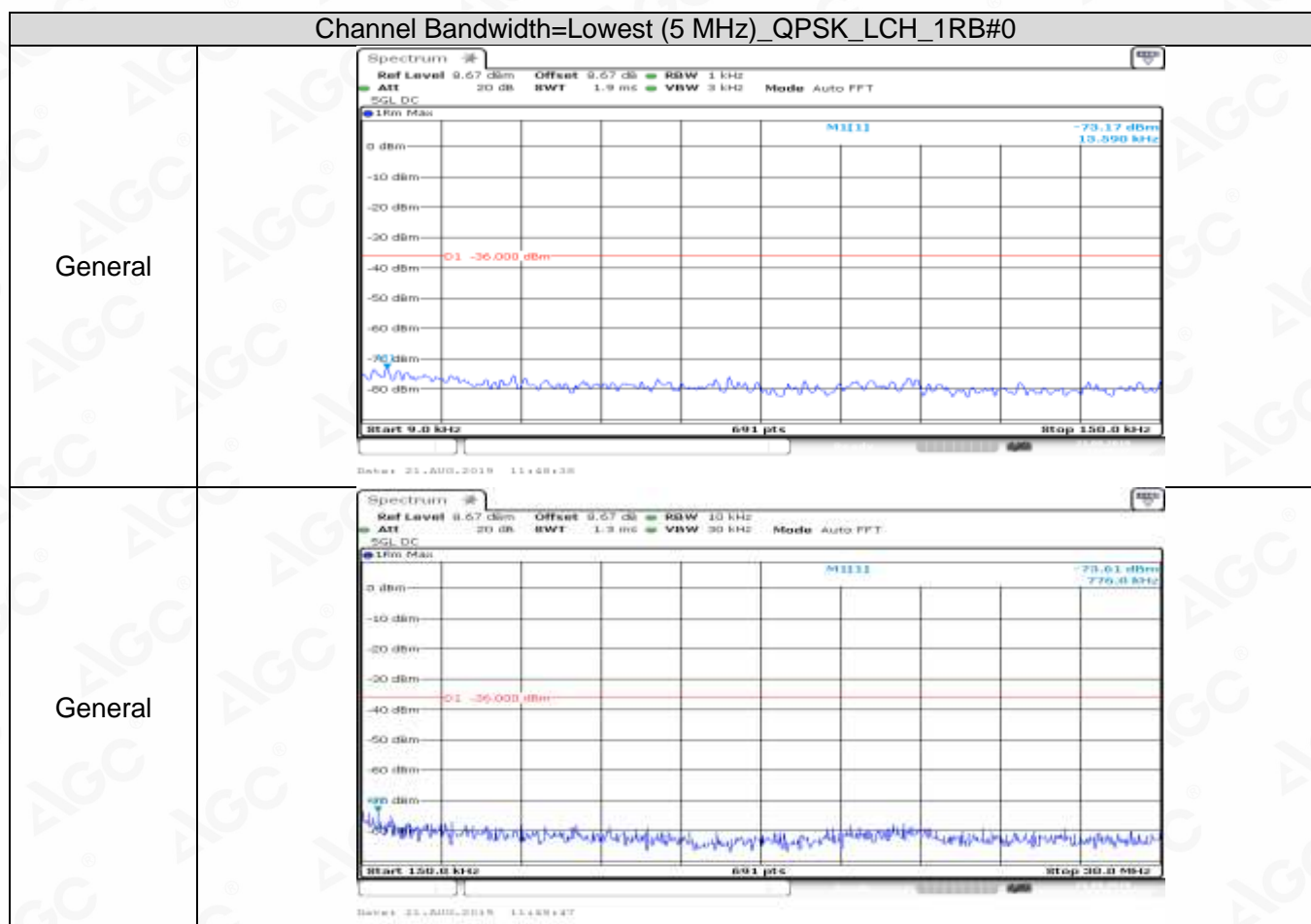
Service Hotline: 400 089 2118



## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)



Attestation of Global Compliance

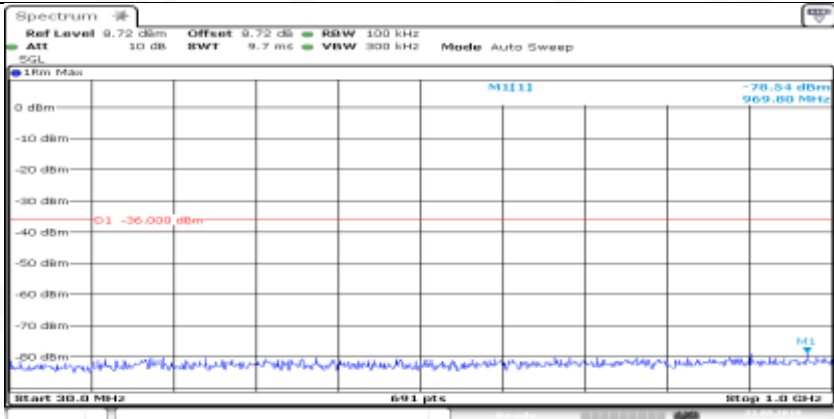
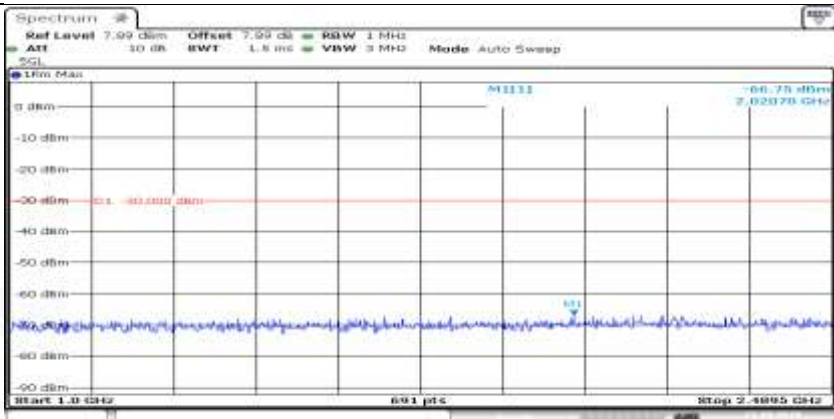
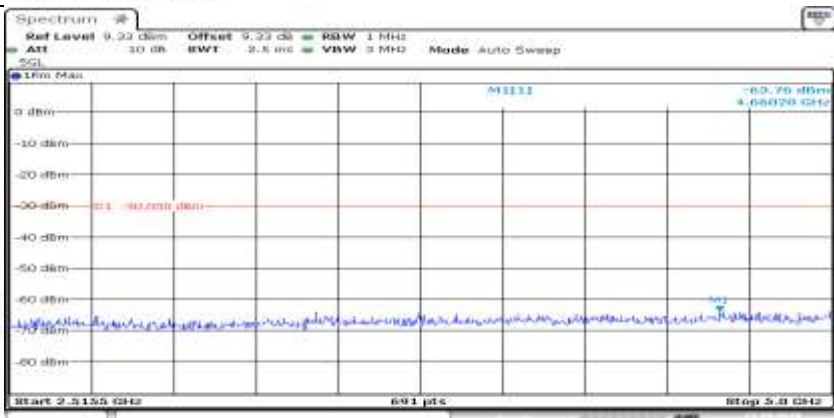
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

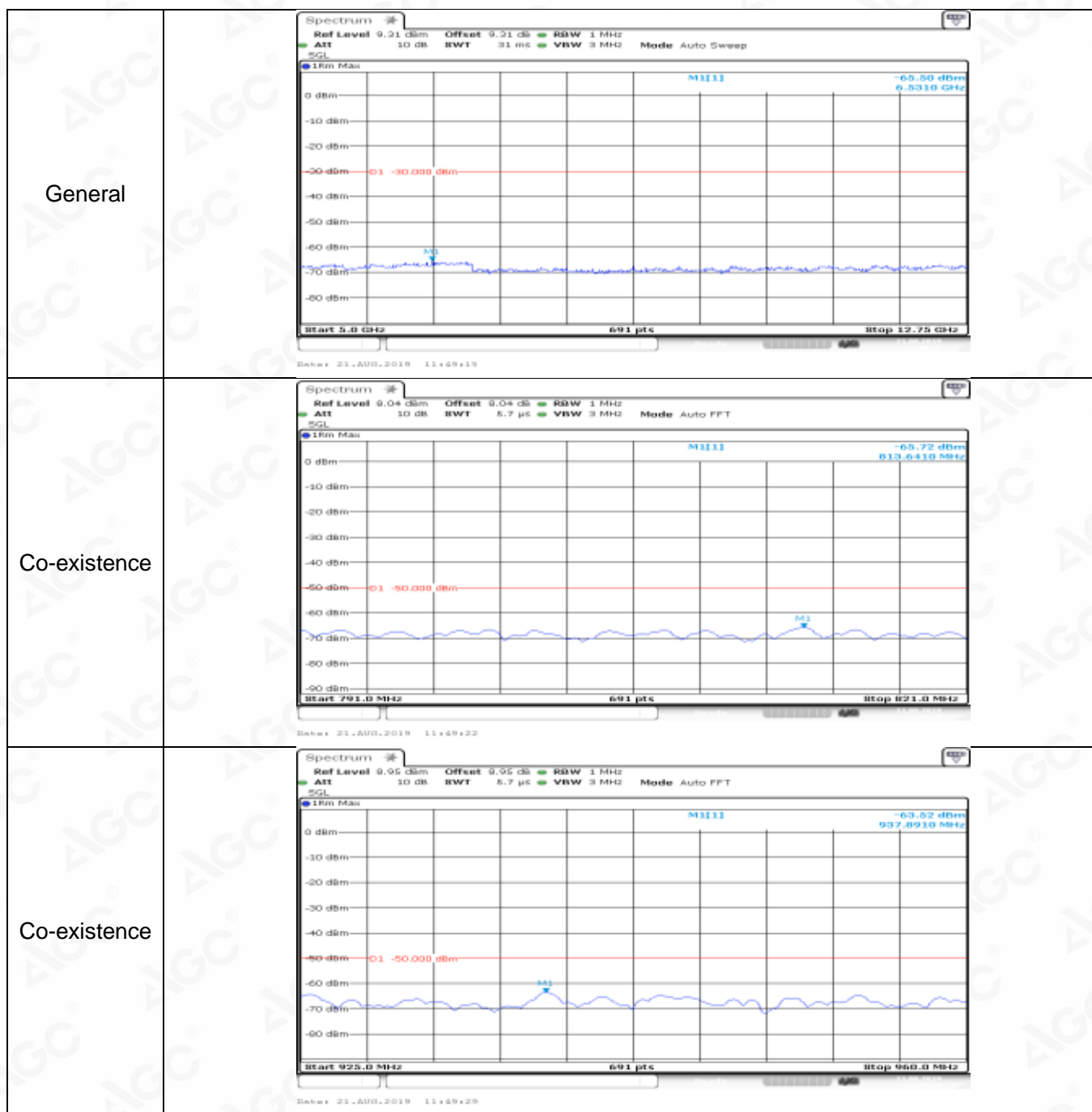
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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

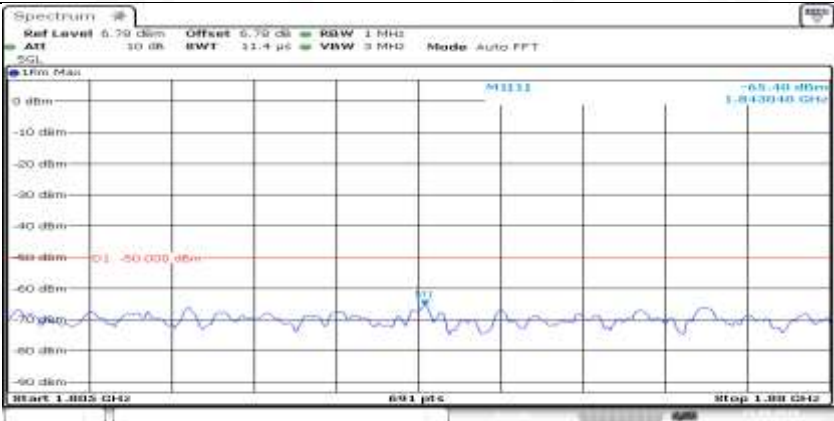
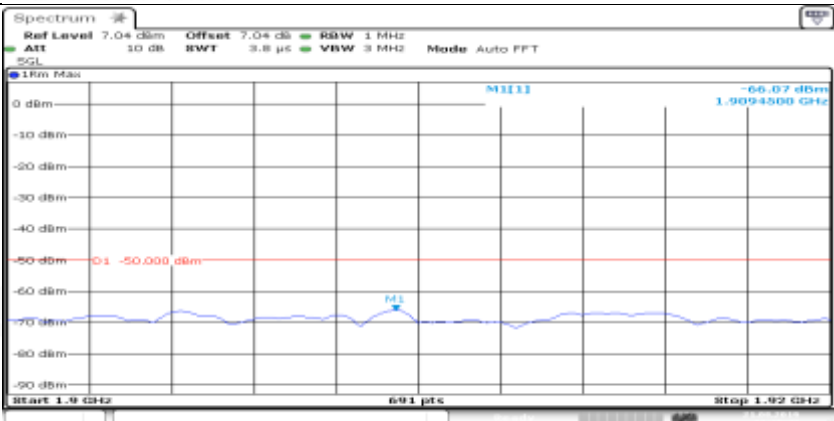
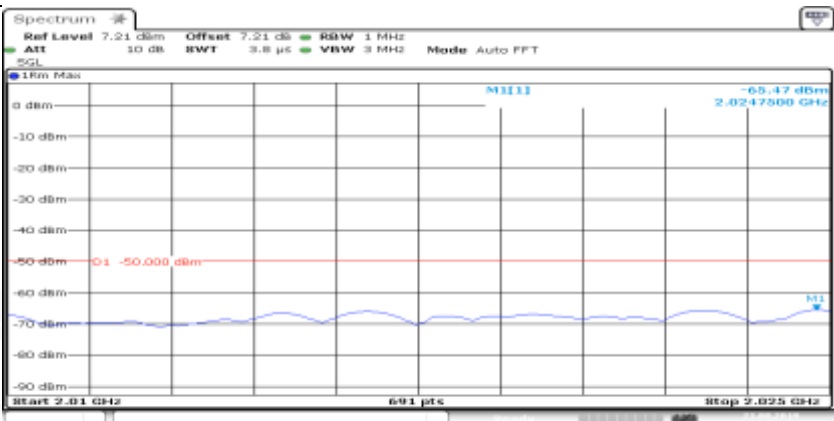
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118



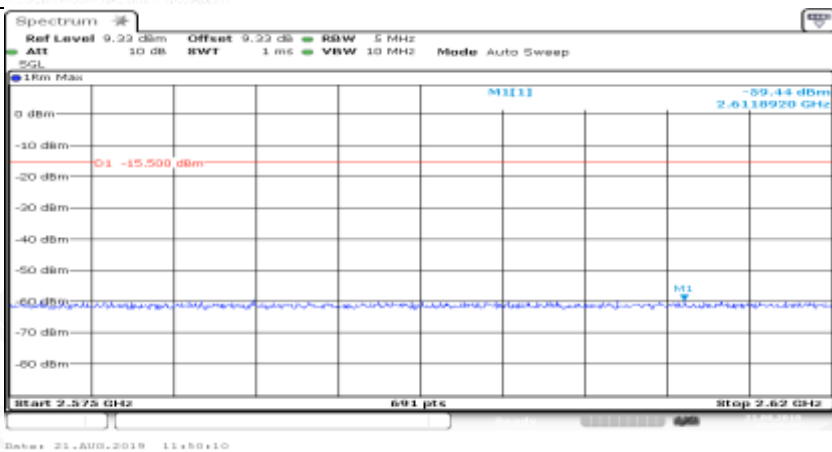
General	 <p>Spectrum plot showing a noise floor around -70 dBm. A red line indicates a limit at -36.000 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 9.72 dBm, Offset 9.72 dB, RBW 100 kHz, ATT 10 dB, BW 9.7 MHz, VBW 300 kHz, Mode Auto Sweep. The x-axis ranges from 20.0 MHz to 1.0 GHz. The y-axis ranges from 0 dBm to -80 dBm. A peak is labeled 'M111' at -78.54 dBm, 969.60 MHz.</p>
General	 <p>Spectrum plot showing a noise floor around -70 dBm. A red line indicates a limit at -36.000 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 7.99 dBm, Offset 7.99 dB, RBW 1 MHz, ATT 10 dB, BW 1.8 MHz, VBW 3 MHz, Mode Auto Sweep. The x-axis ranges from 1.0 GHz to 4.0 GHz. The y-axis ranges from 0 dBm to -80 dBm. A peak is labeled 'M111' at -66.75 dBm, 2.02070 GHz.</p>
General	 <p>Spectrum plot showing a noise floor around -70 dBm. A red line indicates a limit at -36.000 dBm. The plot is titled 'Spectrum' and includes parameters: Ref Level 9.22 dBm, Offset 9.22 dB, RBW 1 MHz, ATT 10 dB, BW 2.8 MHz, VBW 3 MHz, Mode Auto Sweep. The x-axis ranges from 2.3125 GHz to 5.0 GHz. The y-axis ranges from 0 dBm to -80 dBm. A peak is labeled 'M111' at -65.75 dBm, 4.00920 GHz.</p>



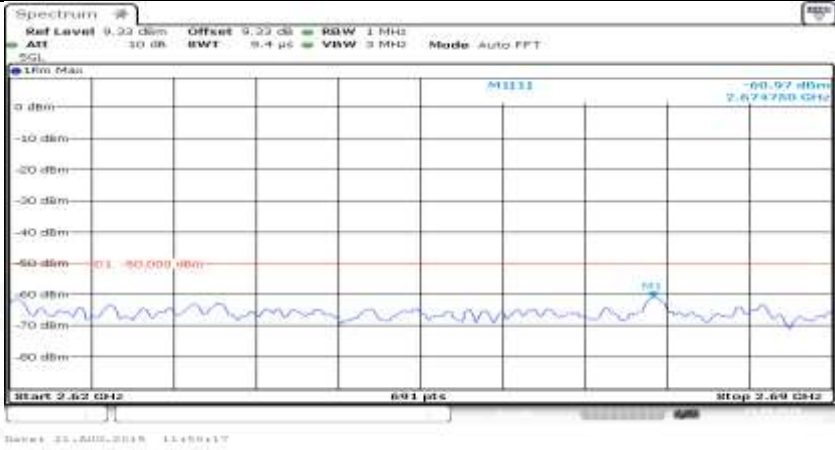
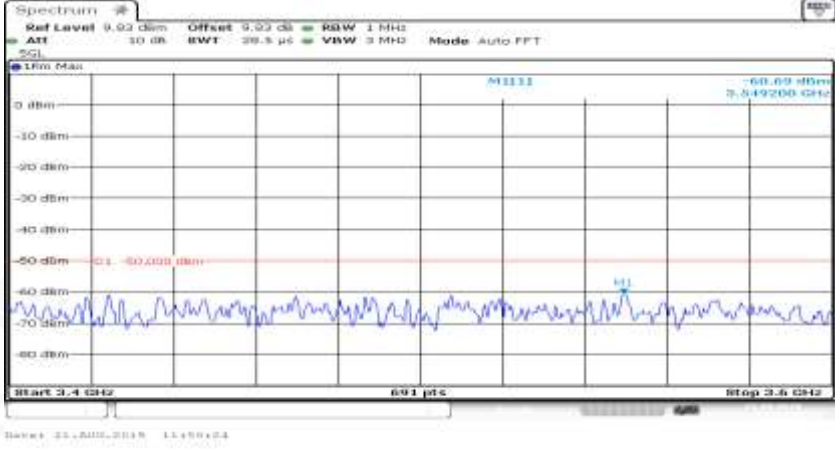



Co-existence	
Co-existence	
Co-existence	



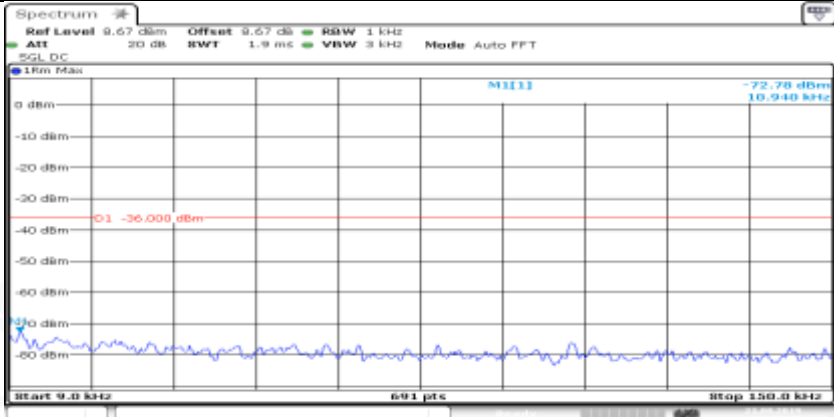
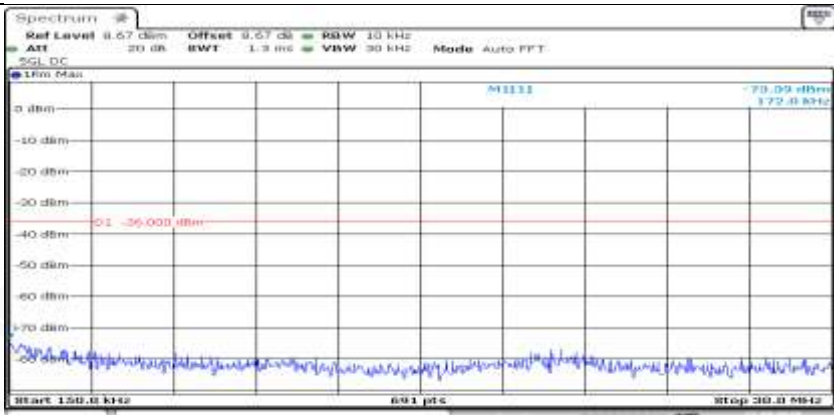
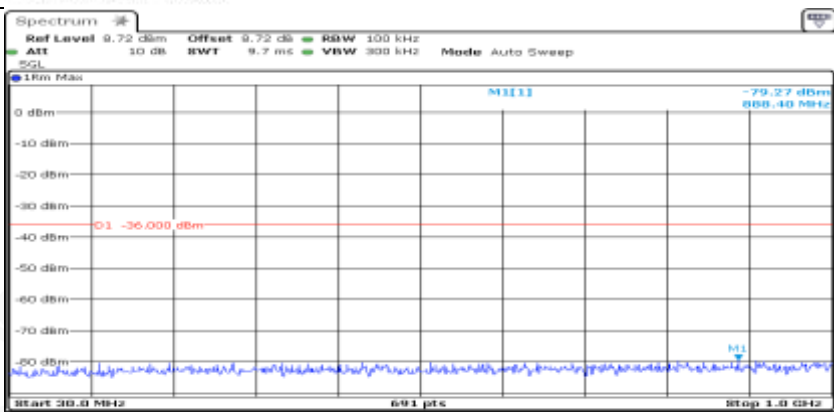
Co-existence	
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Co-existence	



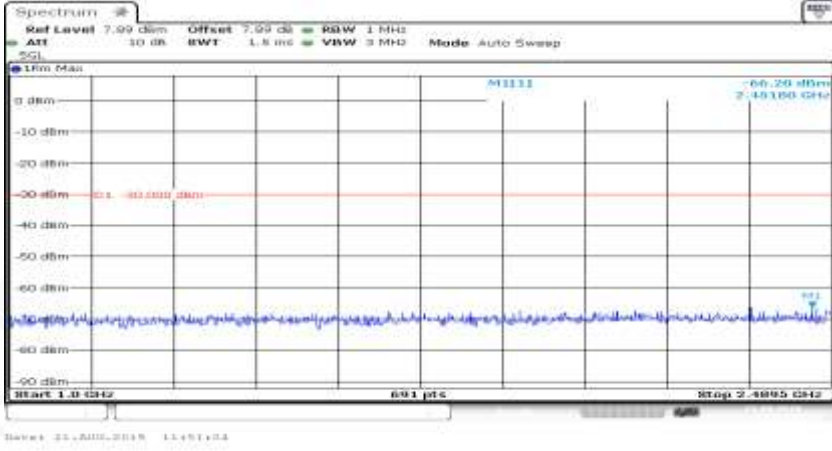
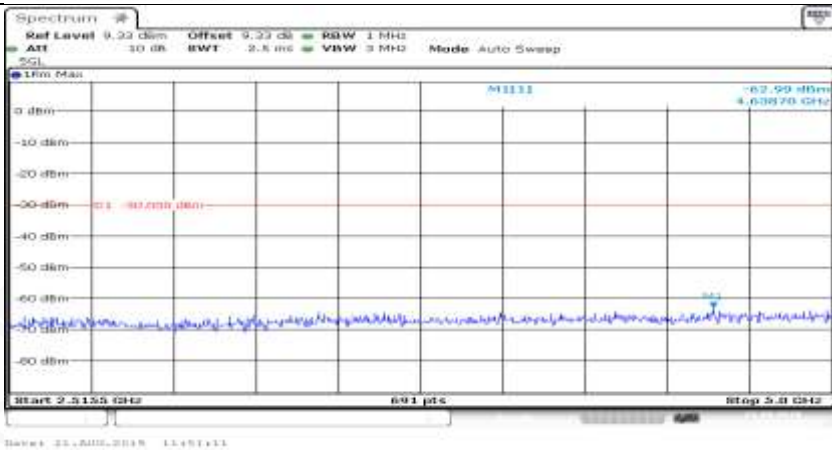
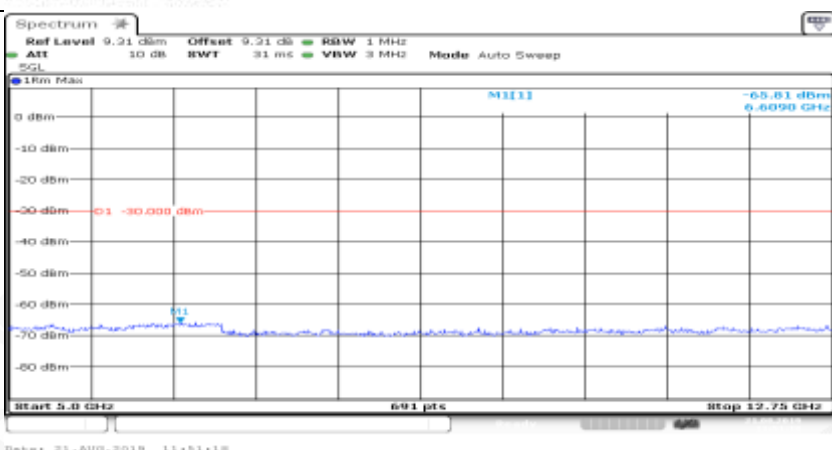
Co-existence	
Co-existence	
Co-existence	
Additional	NA

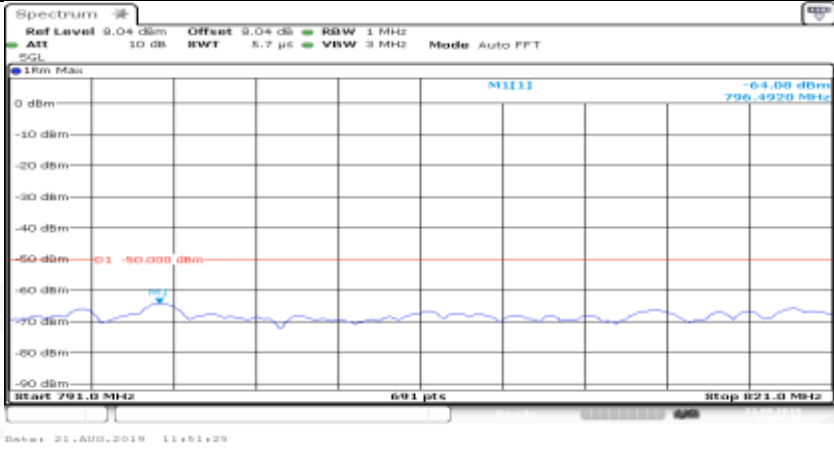
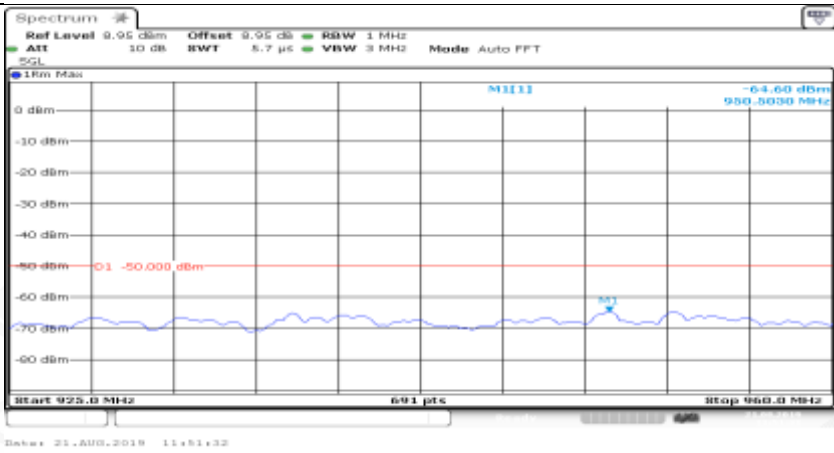
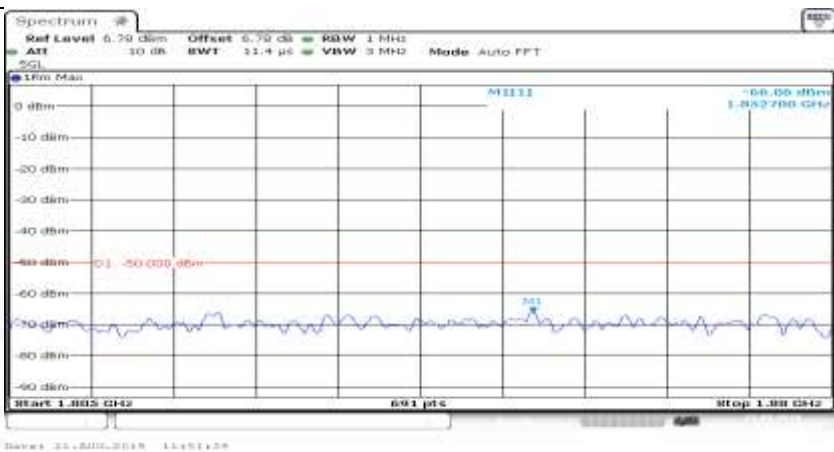
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_1RB#max



General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>Start 9.0 kHz Stop 150.0 kHz</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>Start 150.0 kHz Stop 20.0 MHz</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB RBW 100 kHz</p> <p>ATT 10 dB BW 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>Start 20.0 MHz Stop 1.0 GHz</p>

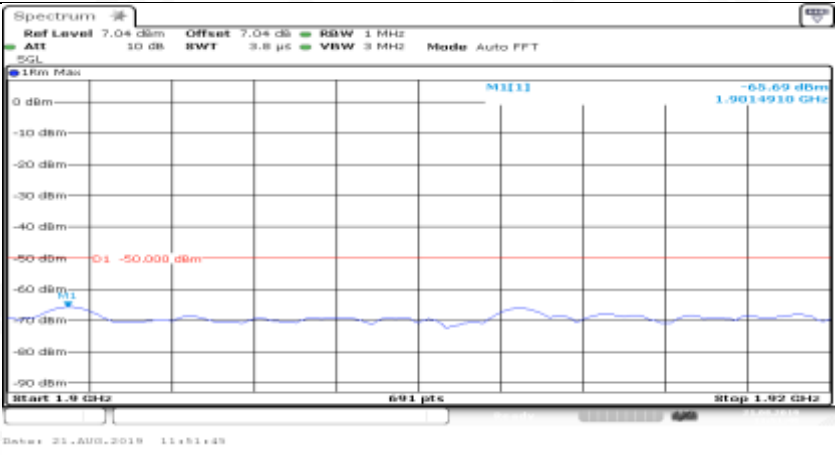
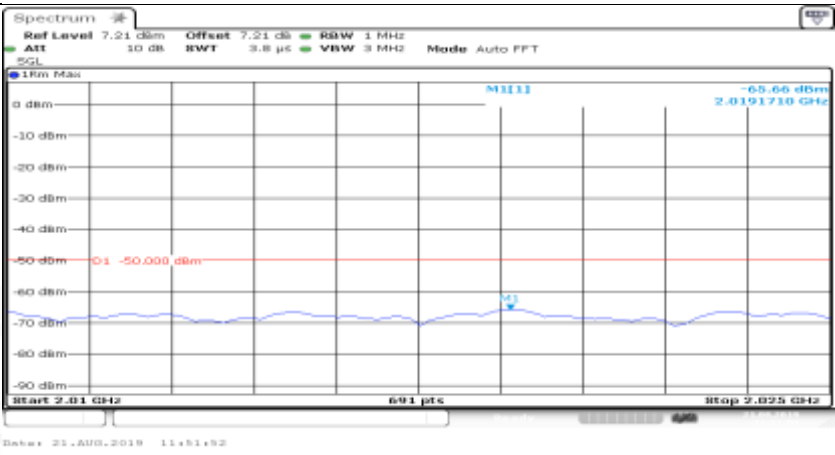



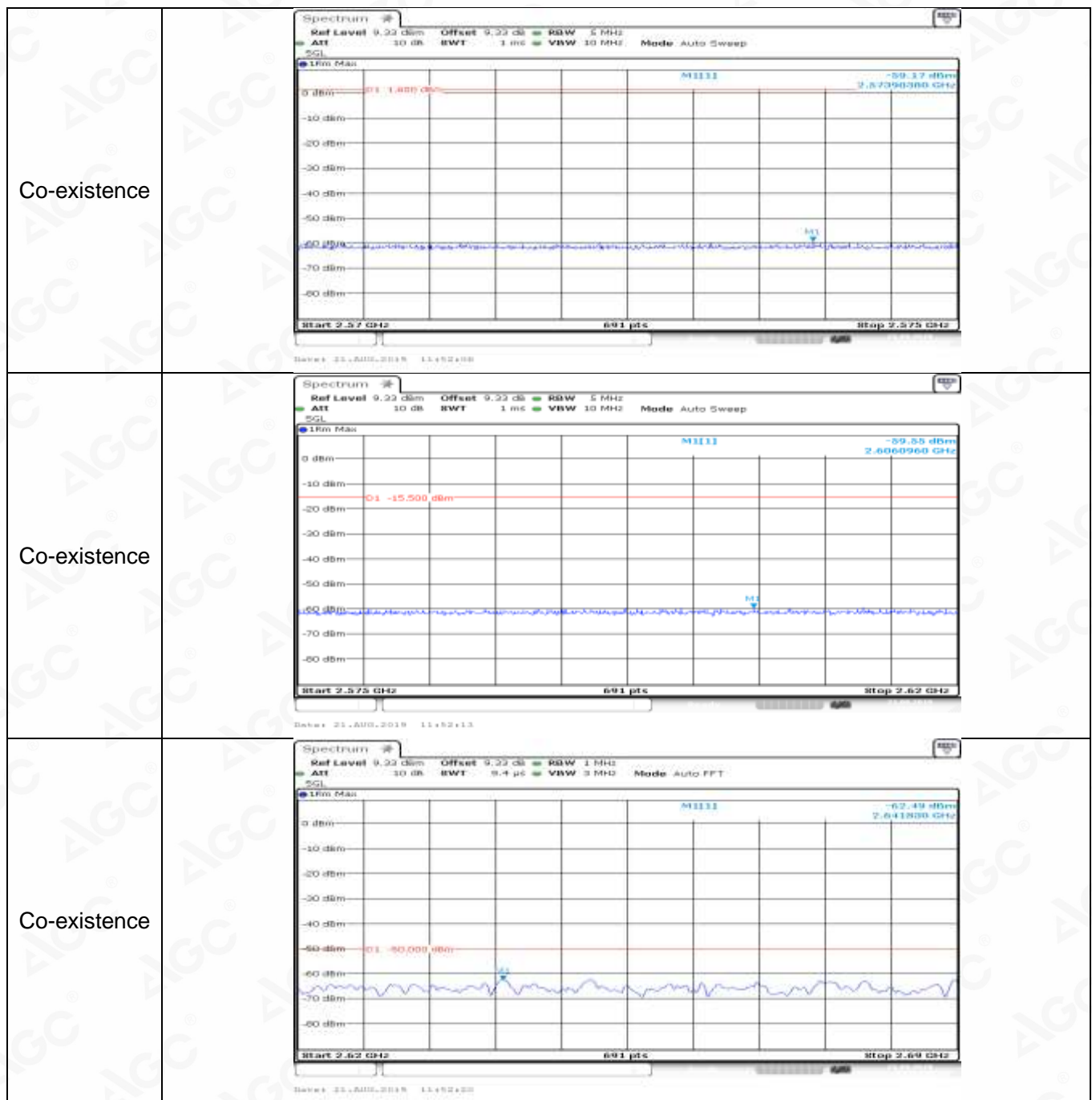
General	 <p>Spectrum plot showing a signal at 1.3155 GHz. The peak level is -30.000 dBm. The reference level is 7.99 dBm. The noise floor is approximately -60 dBm.</p>
General	 <p>Spectrum plot showing a signal at 2.155 GHz. The peak level is -30.000 dBm. The reference level is 9.23 dBm. The noise floor is approximately -60 dBm.</p>
General	 <p>Spectrum plot showing a signal at 5.8 GHz. The peak level is -30.000 dBm. The reference level is 9.21 dBm. The noise floor is approximately -60 dBm.</p>

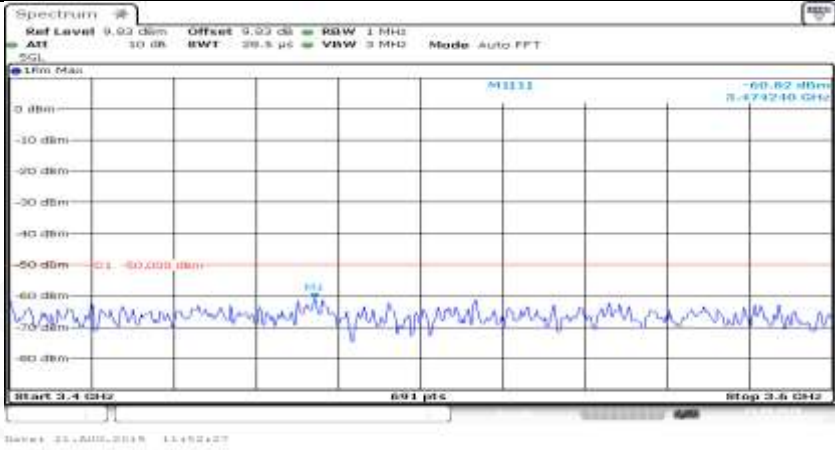
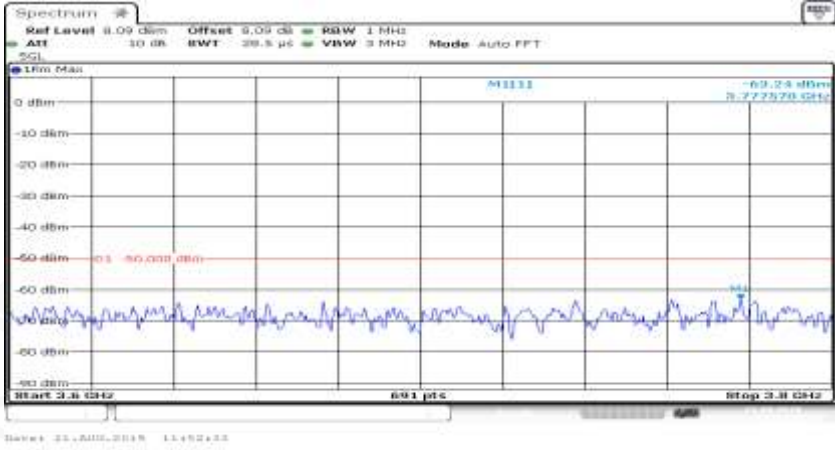
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Co-existence	

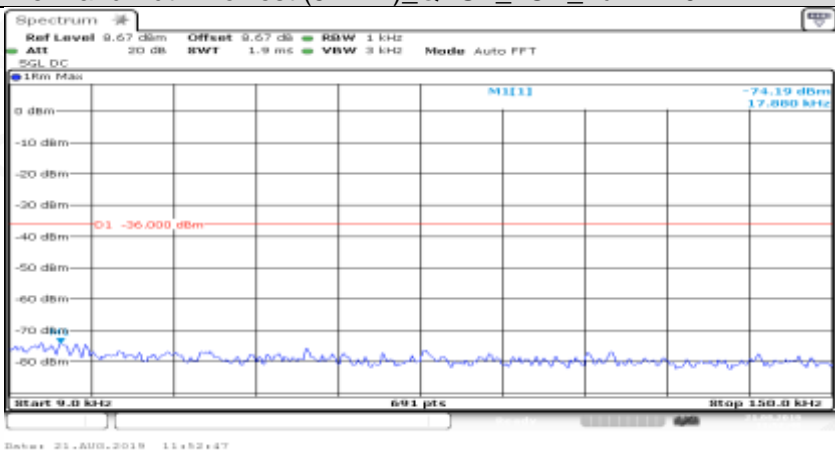




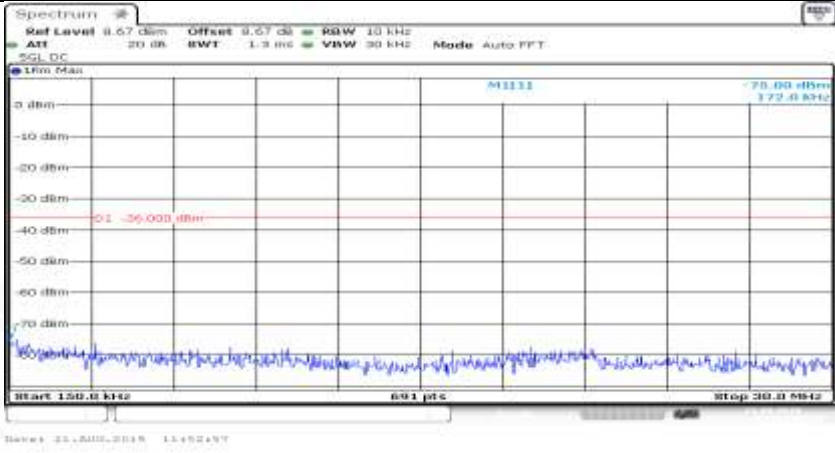
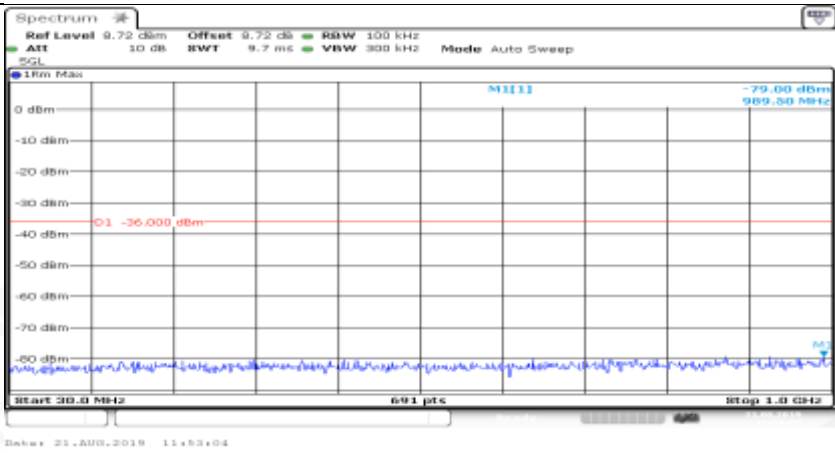
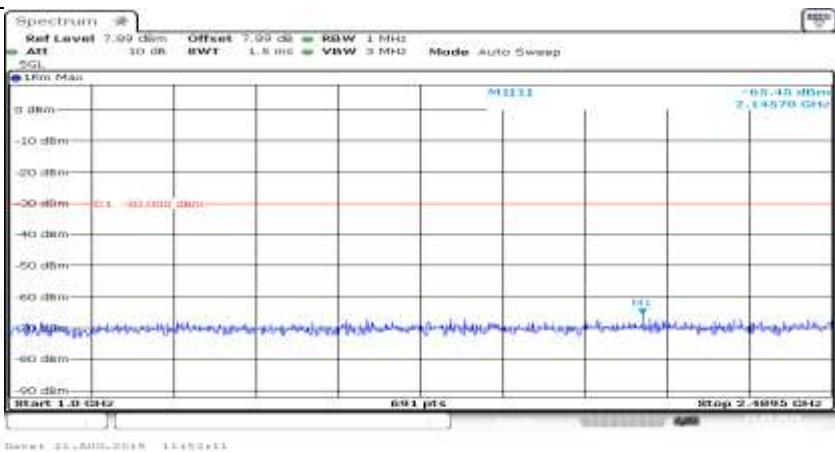
Co-existence	
Co-existence	
Co-existence	

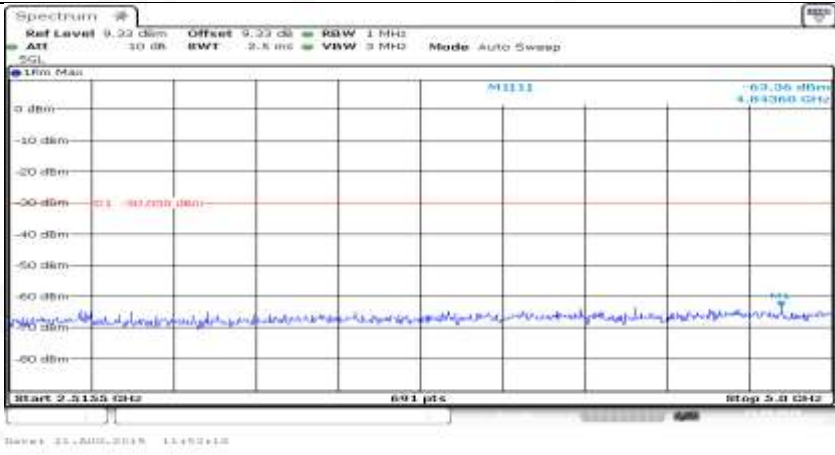
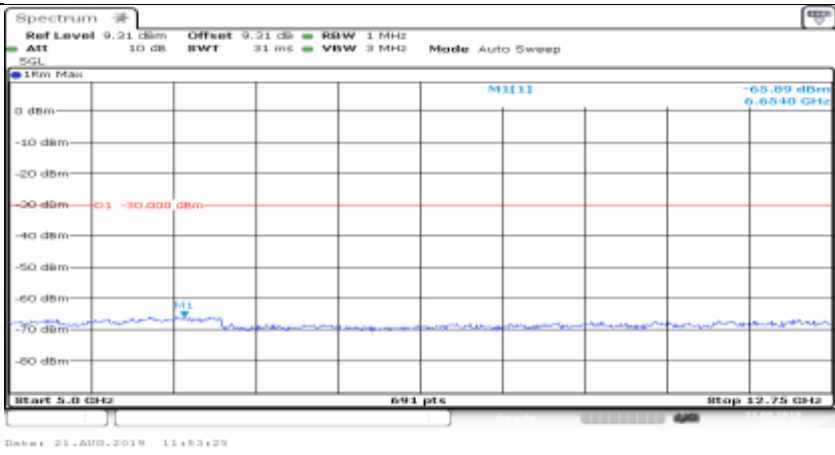
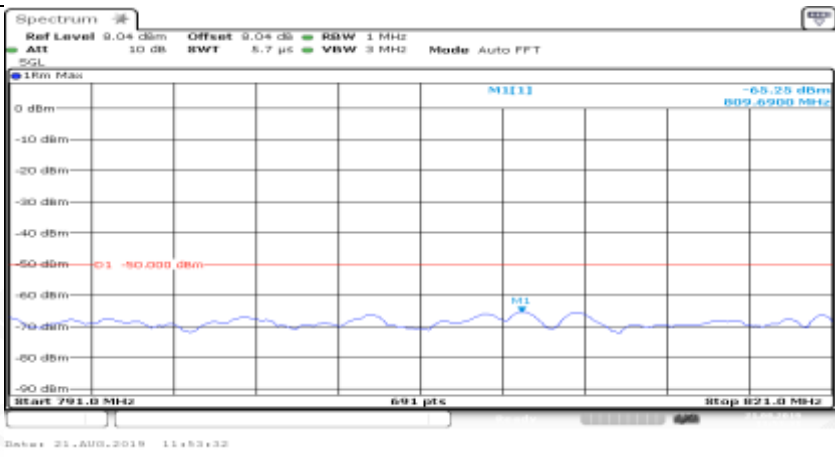


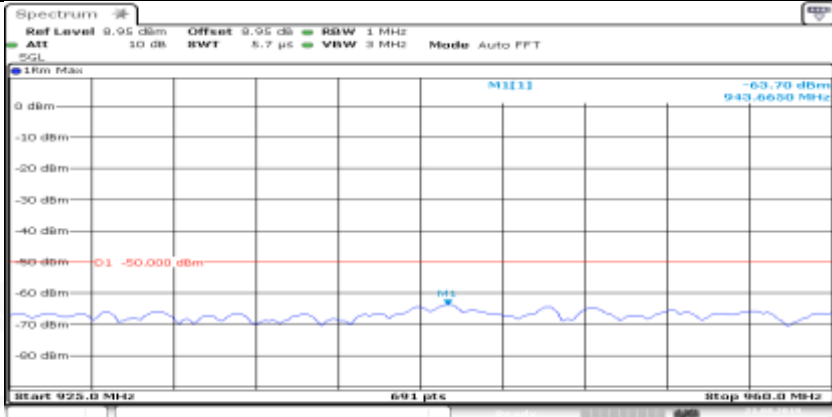
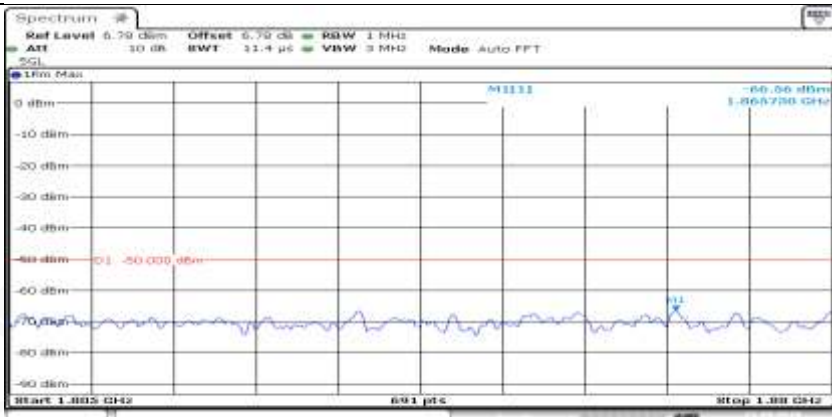

Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	

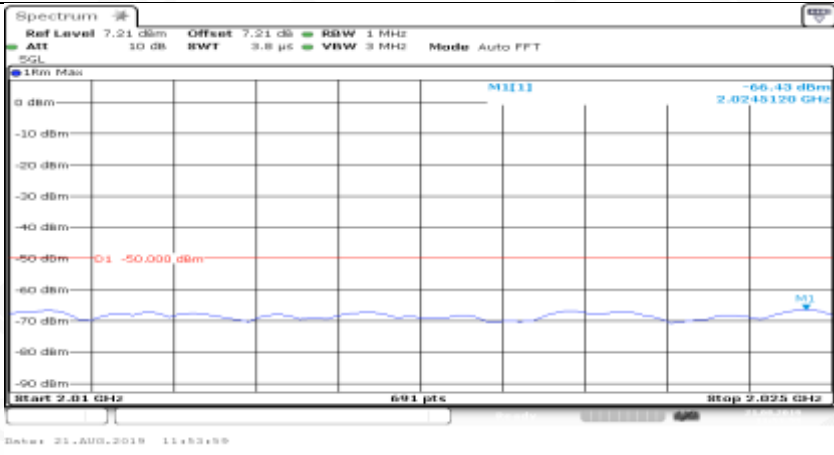

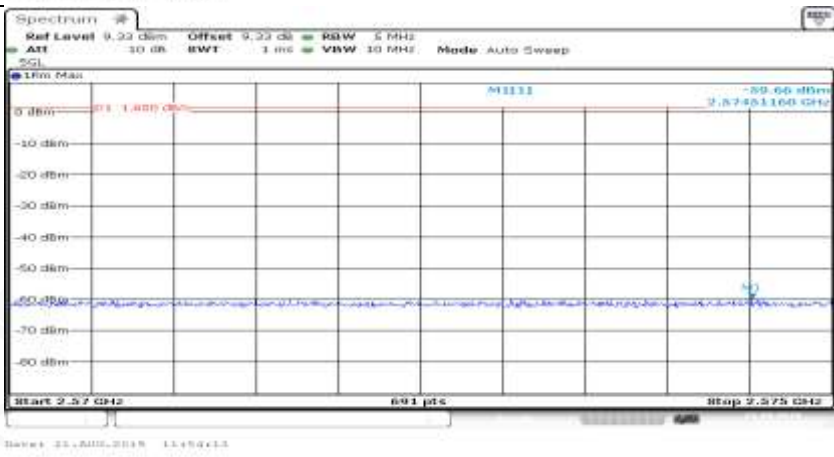


General	
General	
General	

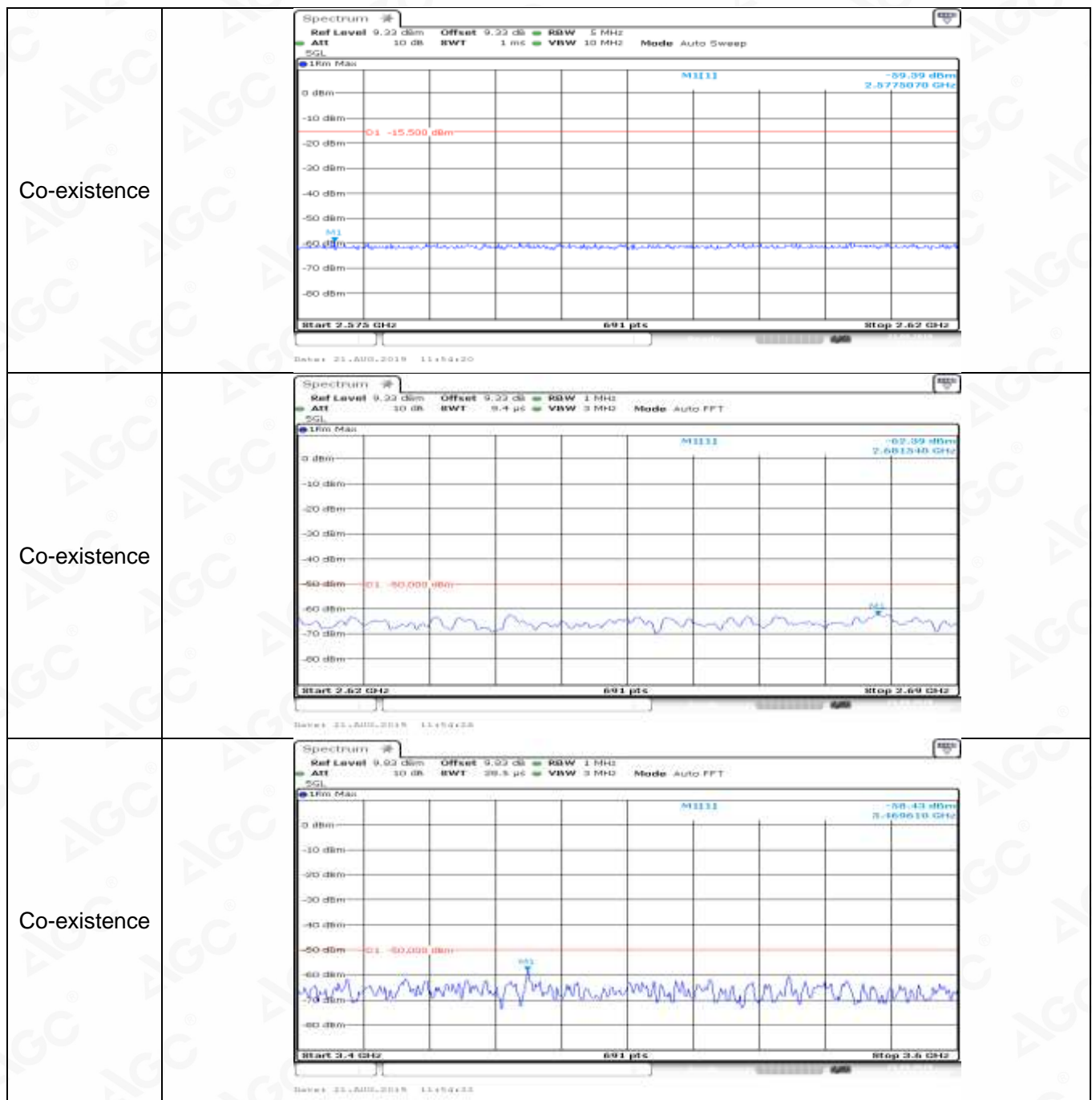
General	
General	
Co-existence	

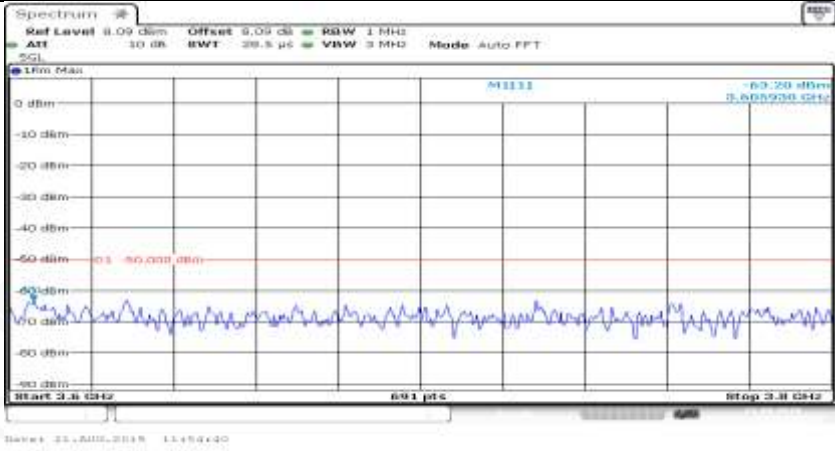
Co-existence	
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Co-existence	

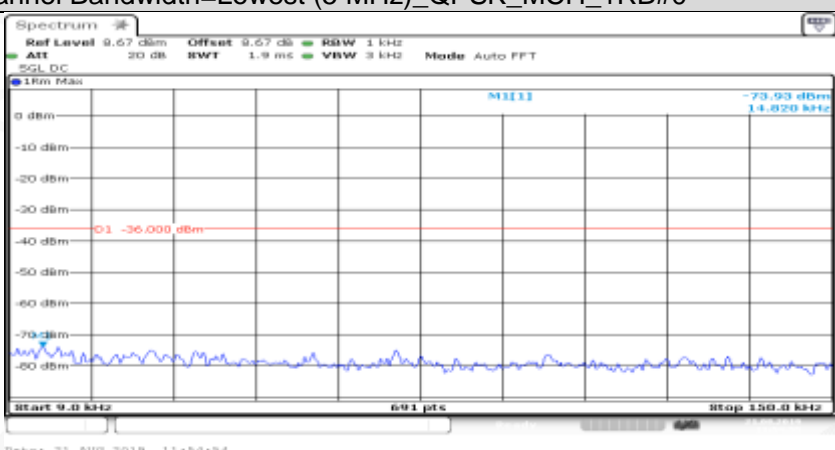
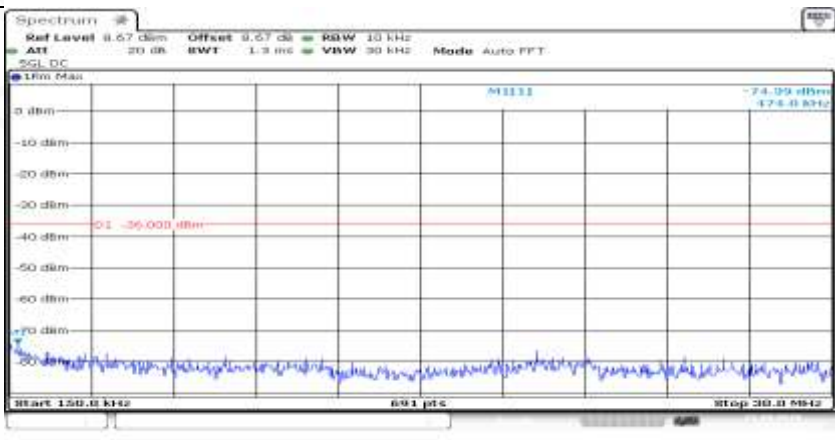


Co-existence	
Co-existence	
Co-existence	

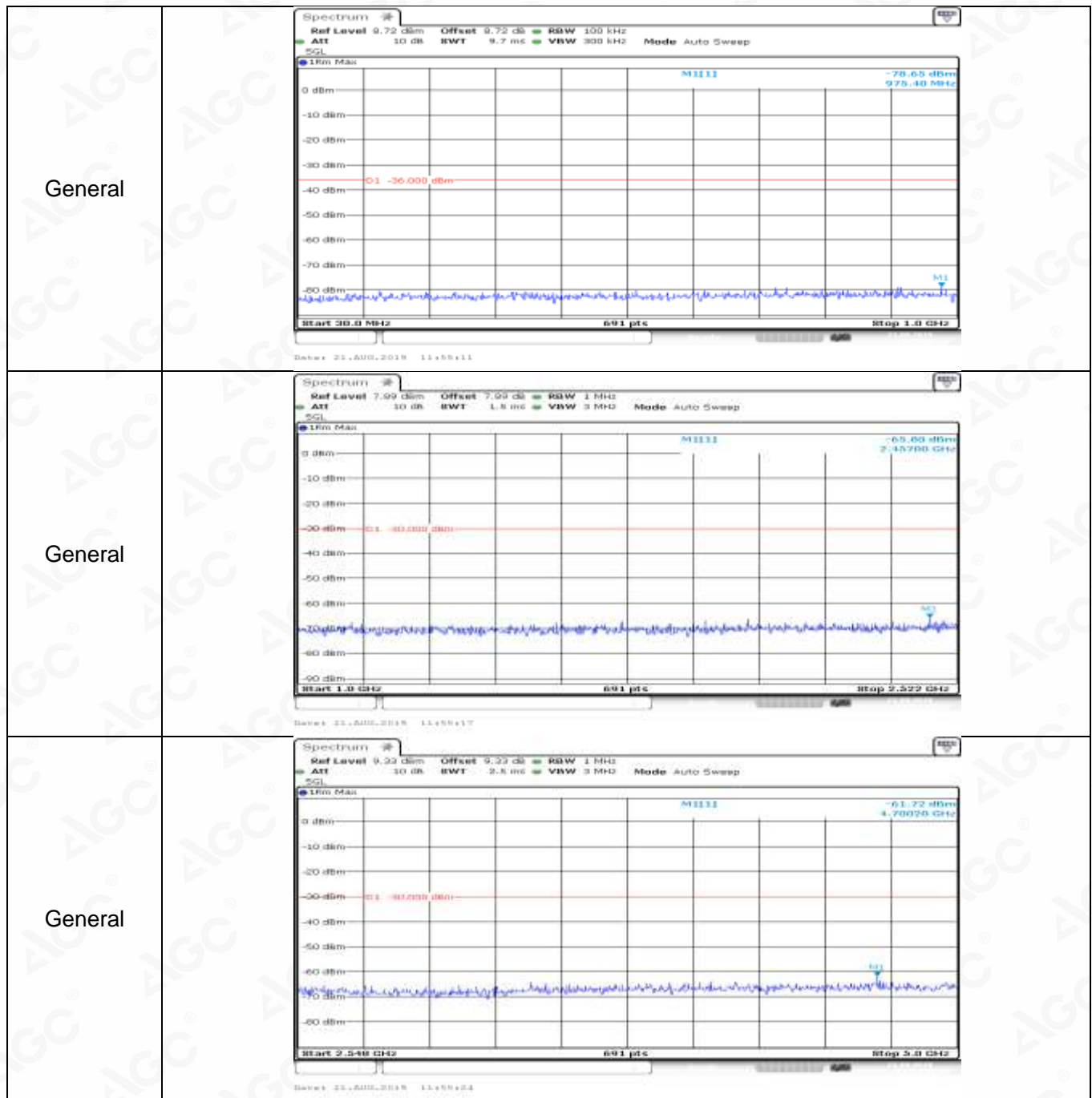


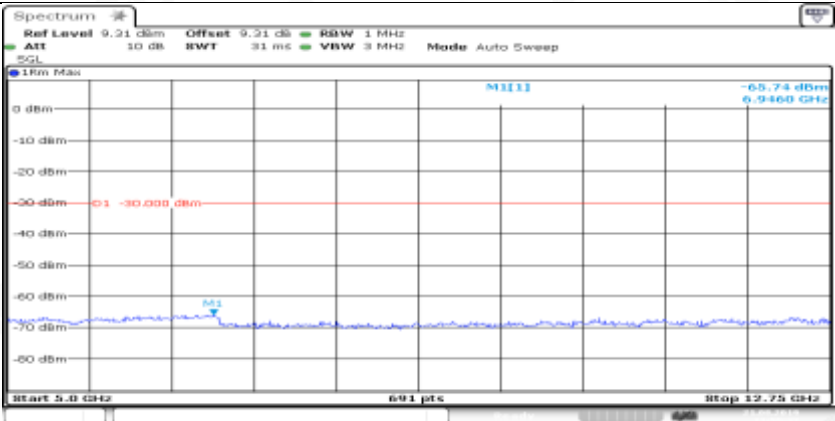

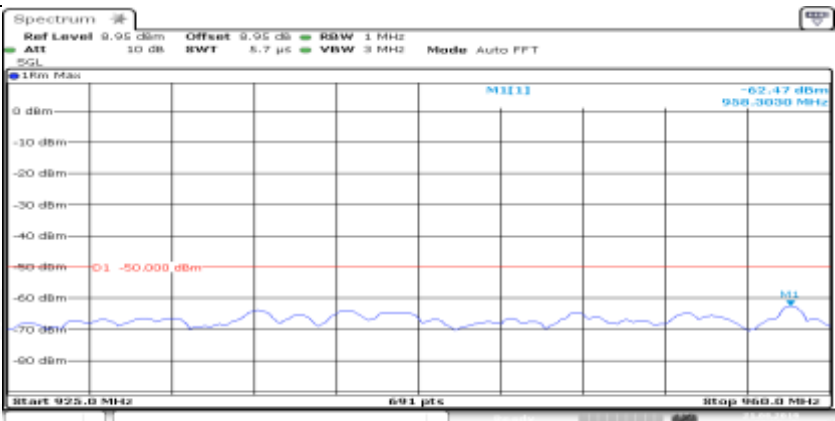


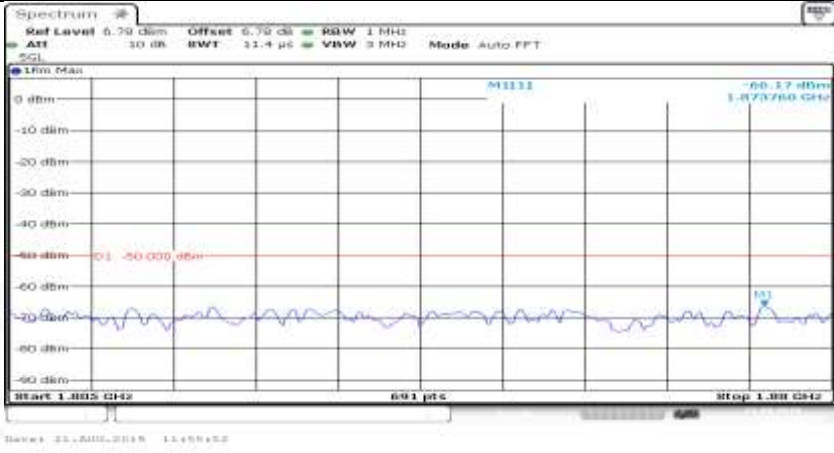
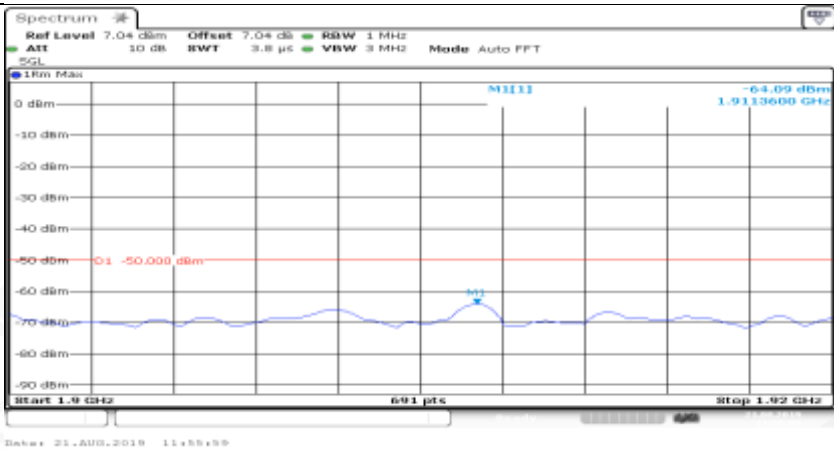
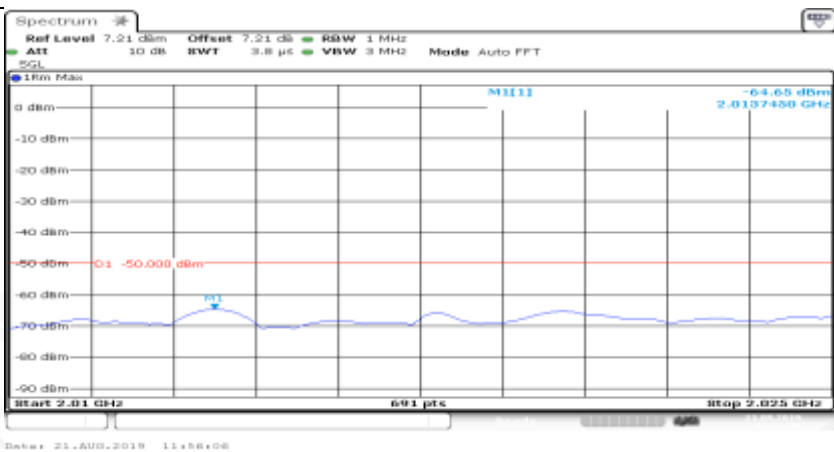
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#0	
General	
General	



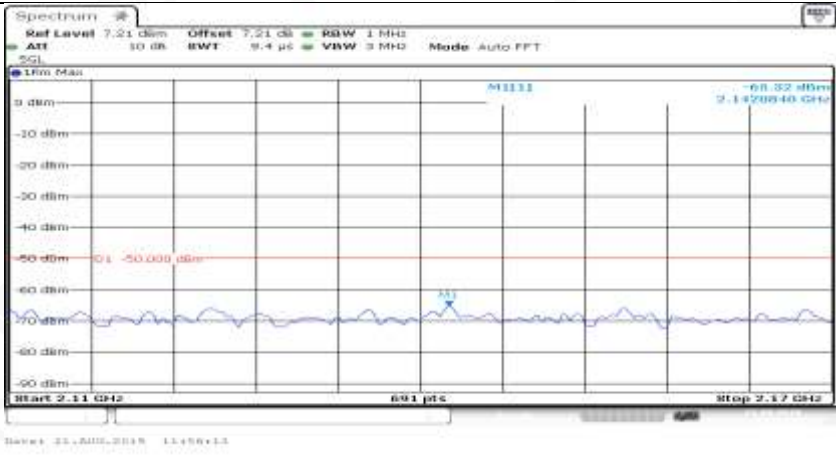
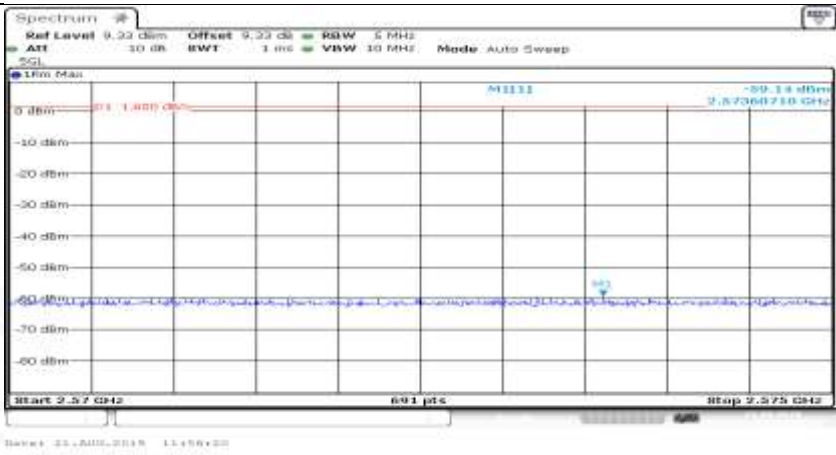
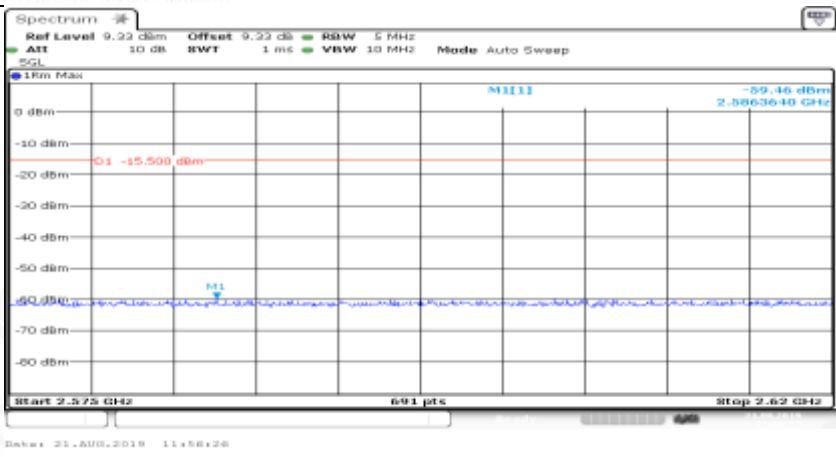


General	 <p>Start 5.0 GHz Stop 12.75 GHz</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p>
Co-existence	 <p>Start 925.0 MHz Stop 950.0 MHz</p>

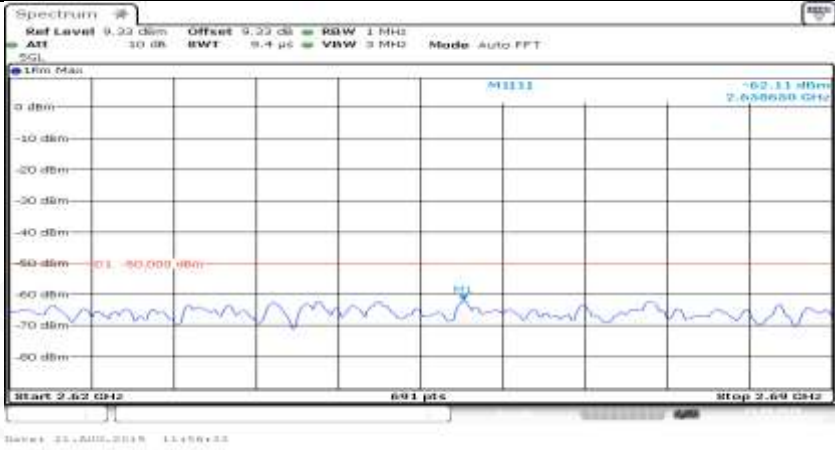
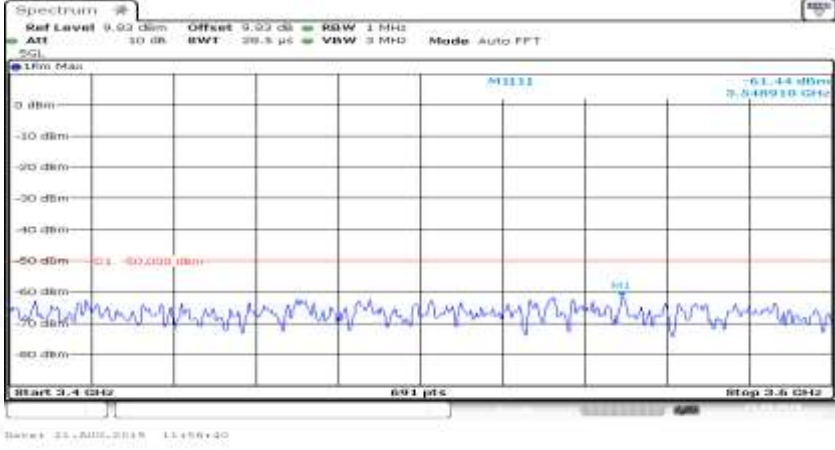
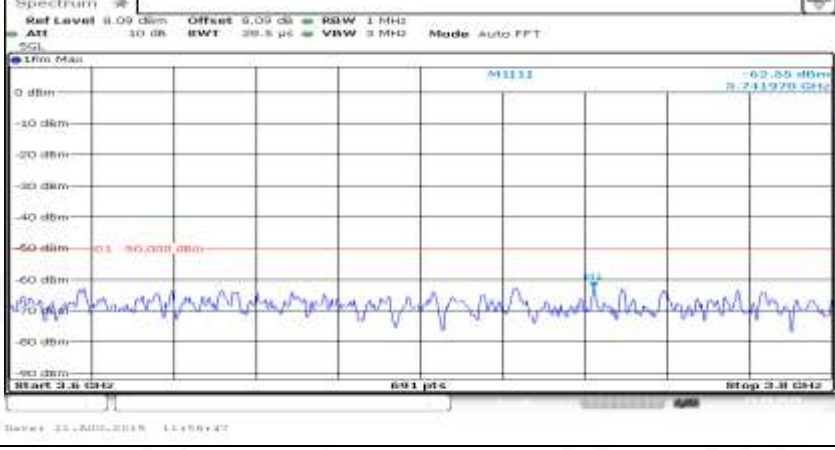
Co-existence	
Co-existence	
Co-existence	



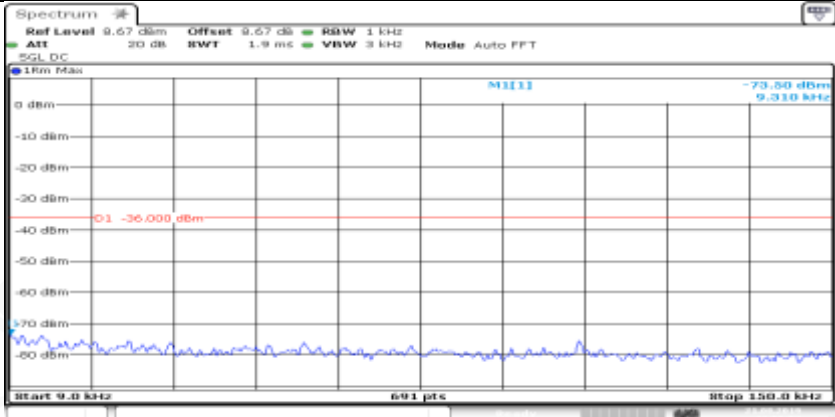
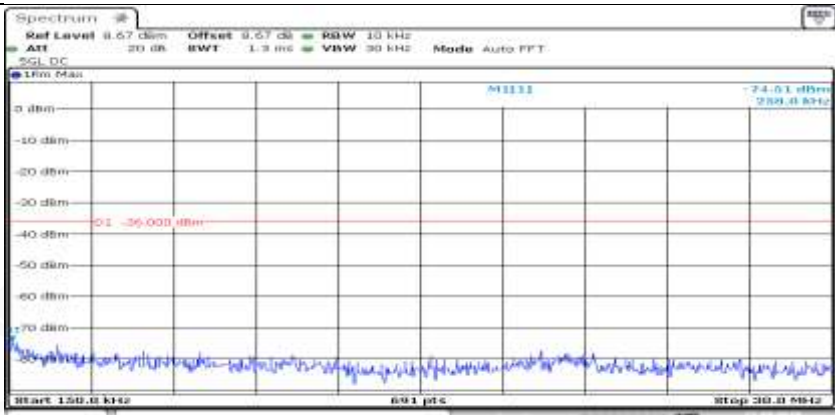
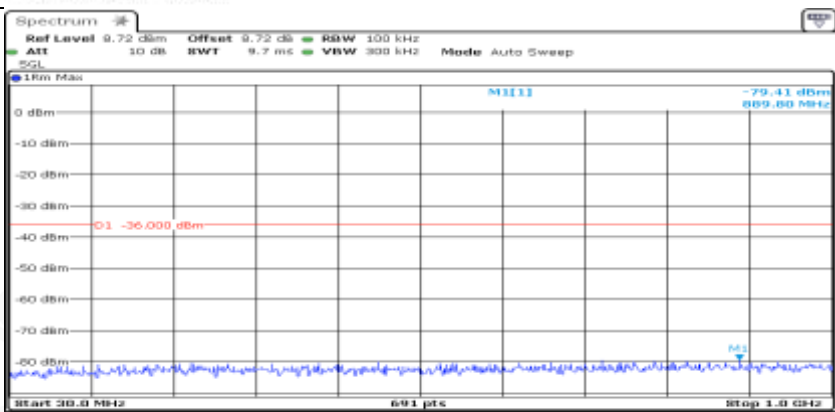


Co-existence	
Co-existence	
Co-existence	

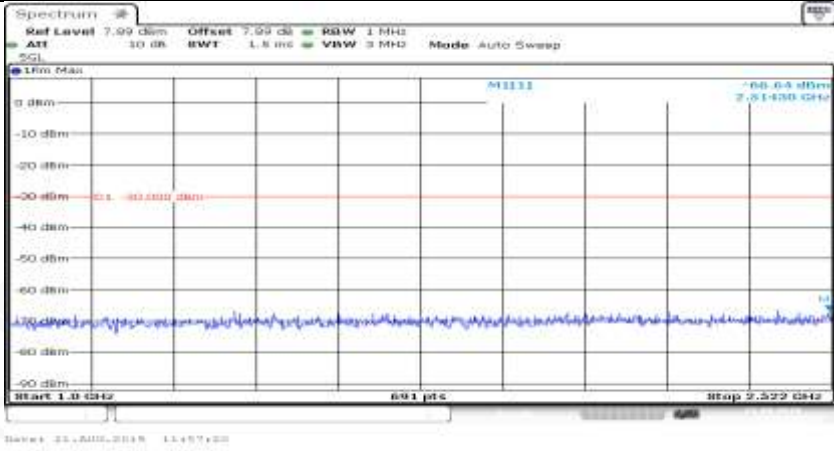
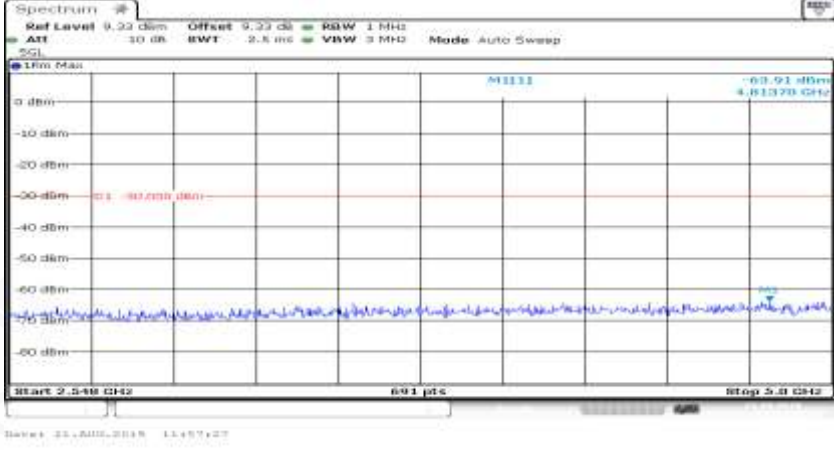
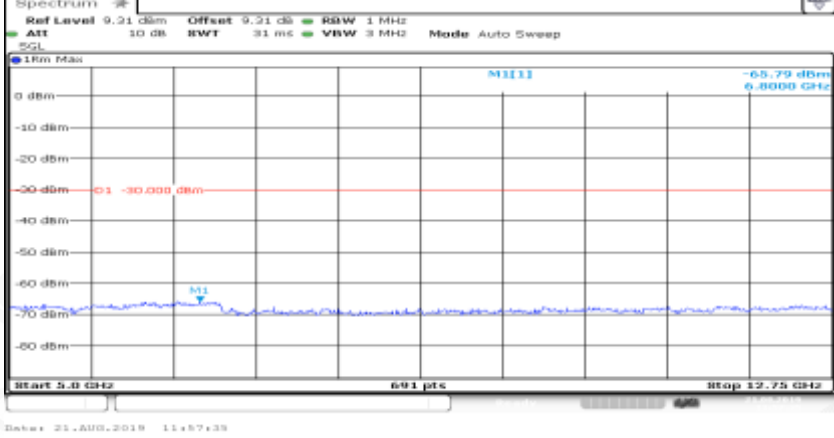


Co-existence	
Co-existence	
Co-existence	
Additional	NA

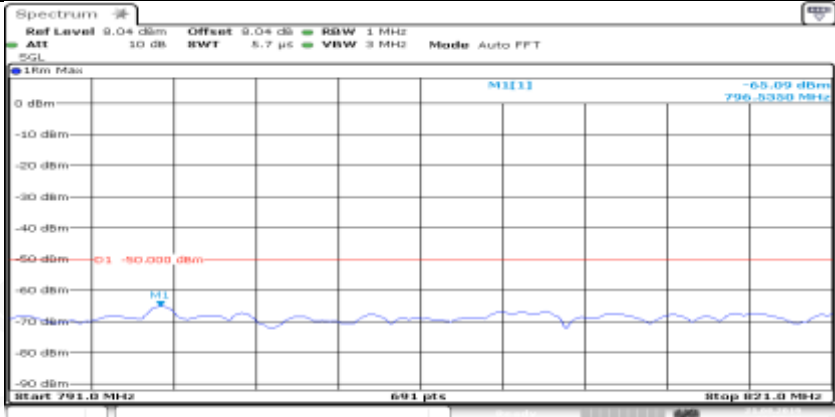


Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#max

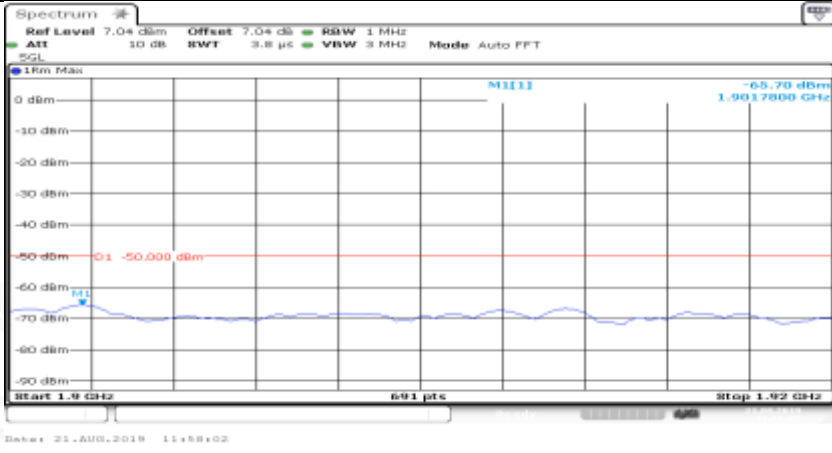
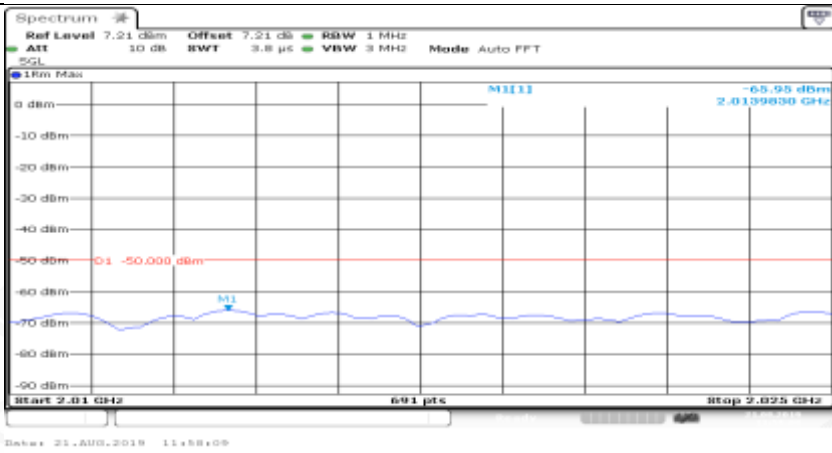
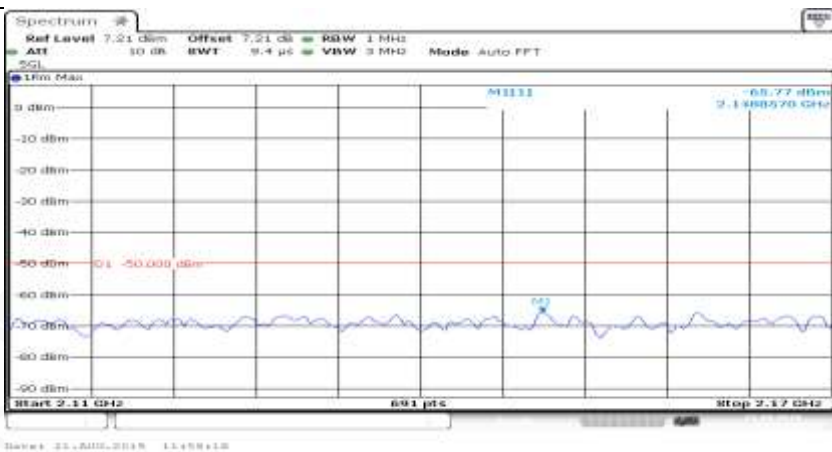
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>-73.50 dBm 9.310 kHz</p> <p>-36.000 dBm</p> <p>Date: 21.AUG.2018 11:58:57</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB RBW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>-74.01 dBm 200.0 kHz</p> <p>-36.000 dBm</p> <p>Date: 21.AUG.2018 11:57:07</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB RBW 100 kHz</p> <p>ATT 10 dB BW 9.7 ms VBW 300 kHz Mode Auto Sweep</p> <p>50L</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 30.0 MHz 691 pts Stop 1.0 GHz</p> <p>-79.41 dBm 809.00 MHz</p> <p>-36.000 dBm</p> <p>Date: 21.AUG.2018 11:57:14</p>



General	 <p>Spectrum plot showing a signal at 2.51430 GHz with a peak level of -60.64 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 1.4 GHz to 2.522 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>
General	 <p>Spectrum plot showing a signal at 4.81370 GHz with a peak level of -60.91 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 2.548 GHz to 5.0 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>
General	 <p>Spectrum plot showing a signal at 6.8000 GHz with a peak level of -65.79 dBm. The plot includes a red line at -30 dBm and a blue line at -60 dBm. The x-axis ranges from 5.0 GHz to 12.75 GHz, and the y-axis ranges from -80 dBm to 0 dBm.</p>

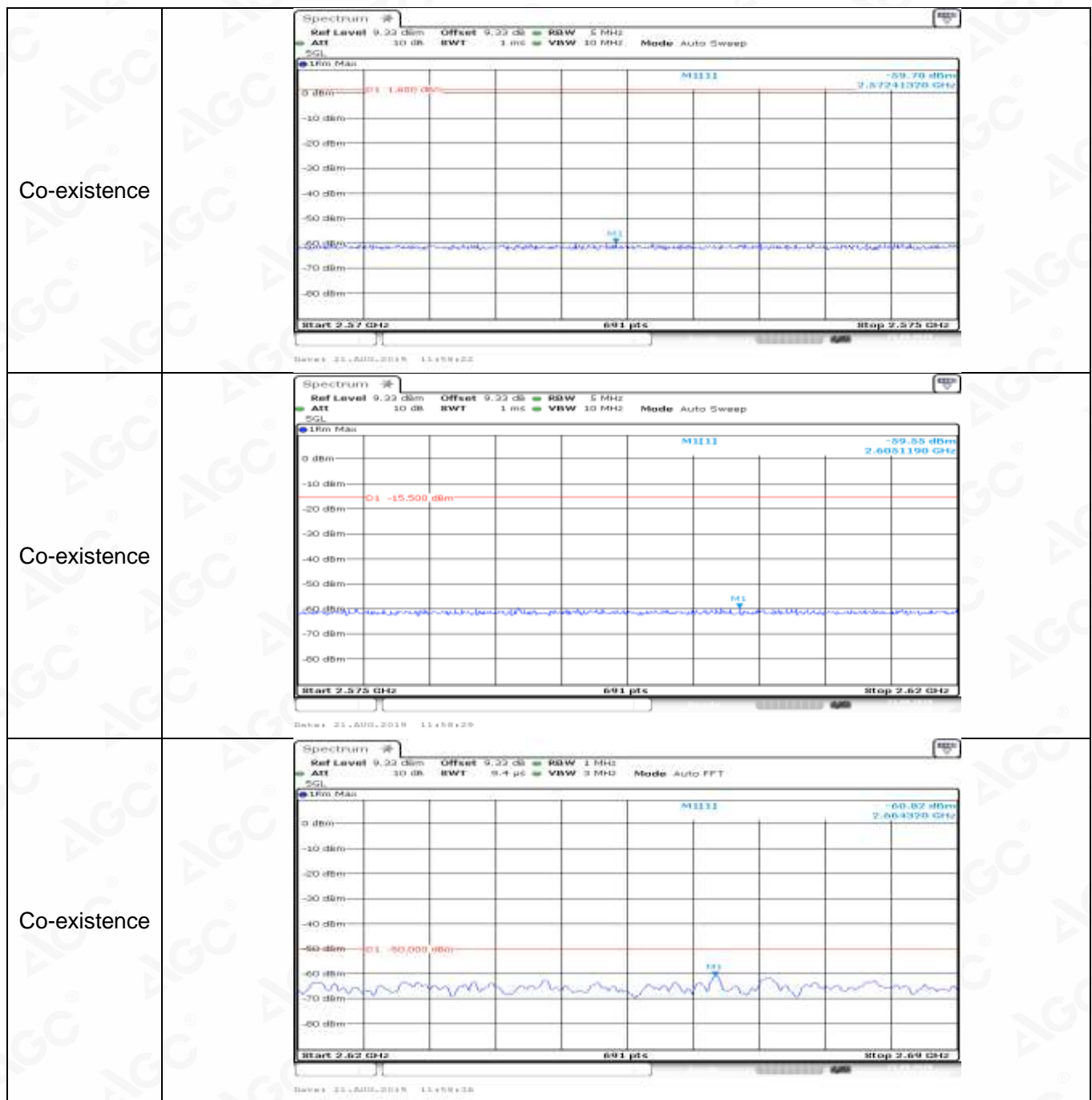


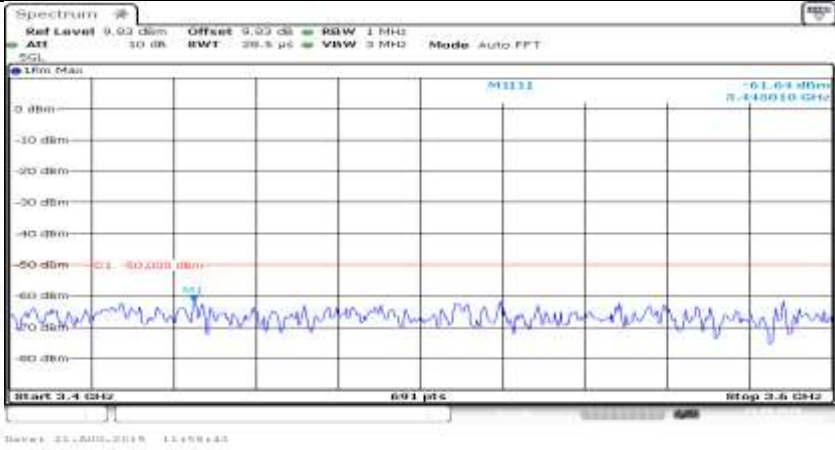
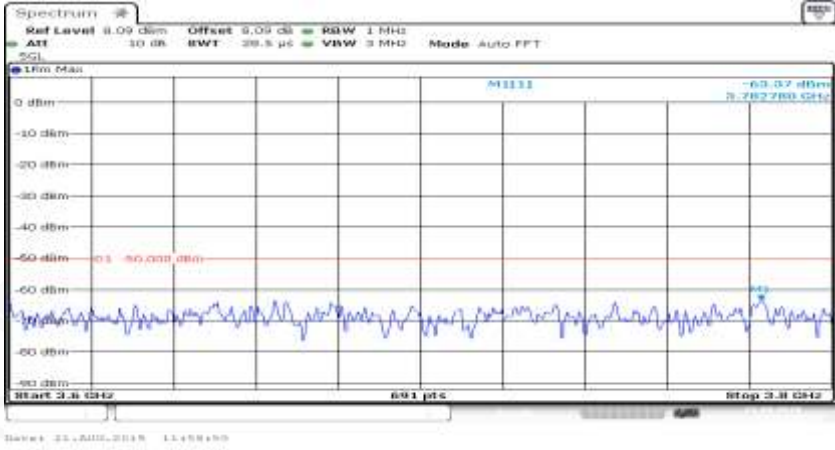
Co-existence	
Co-existence	
Co-existence	

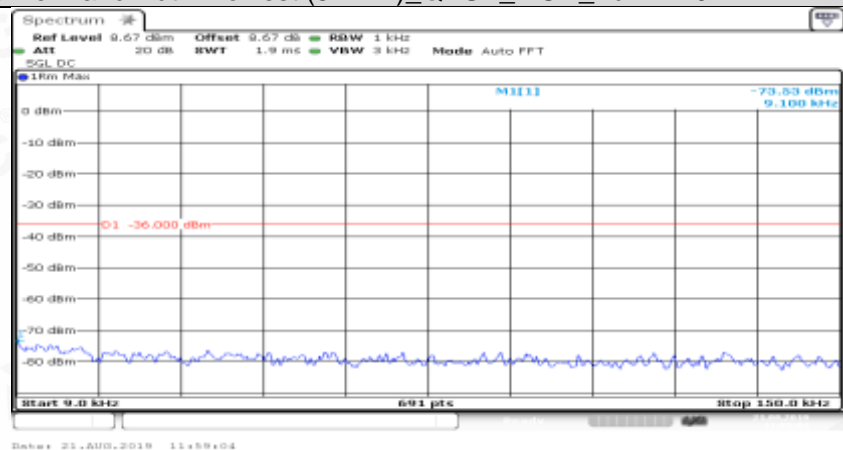
Co-existence	
Co-existence	
Co-existence	

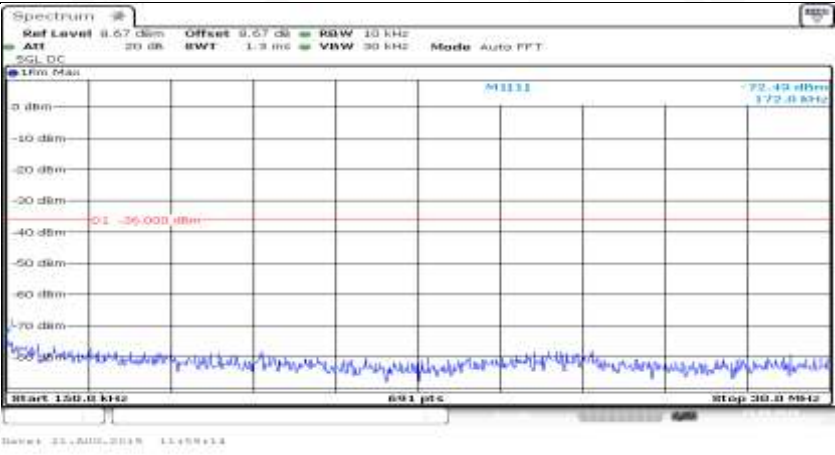
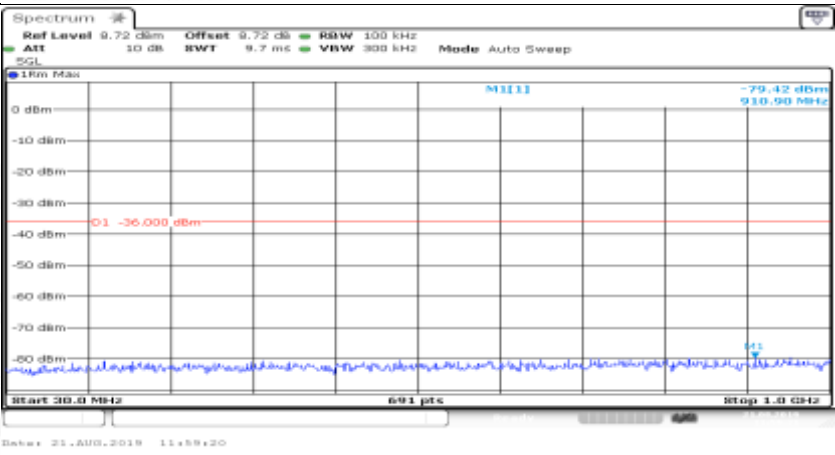
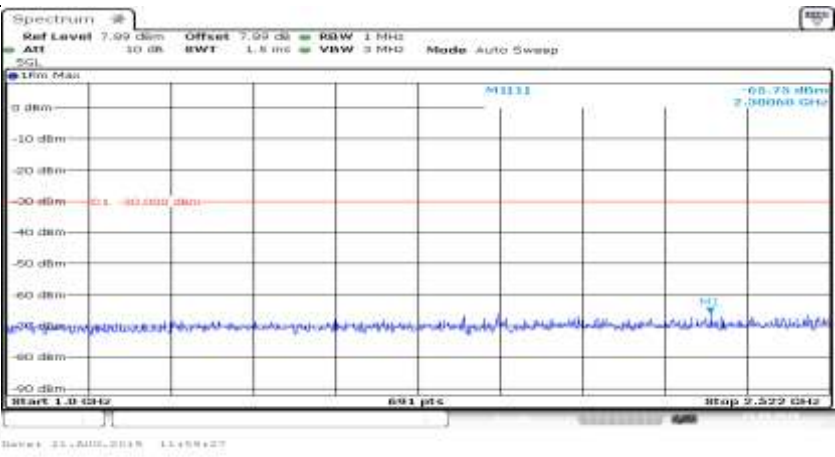




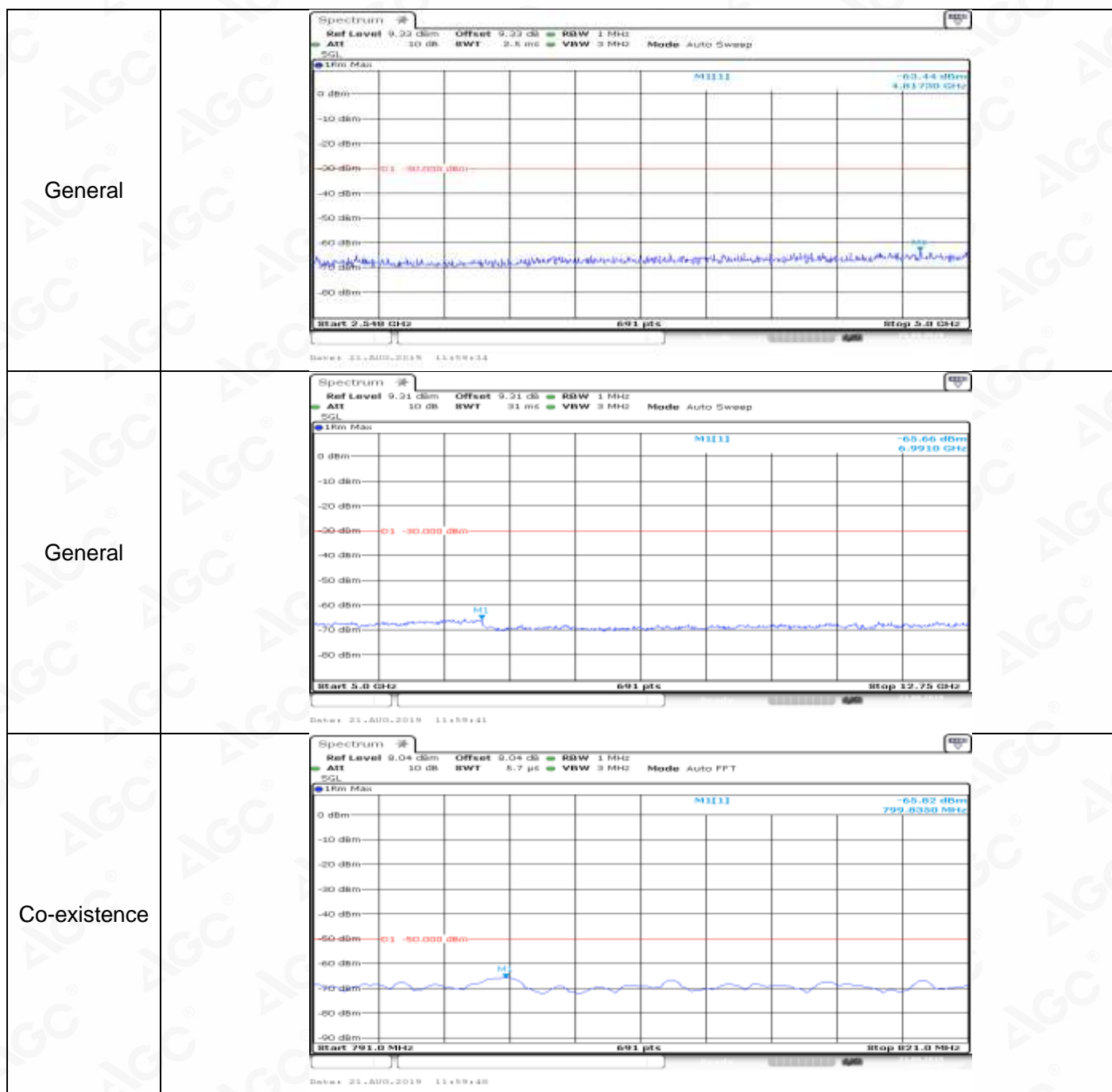


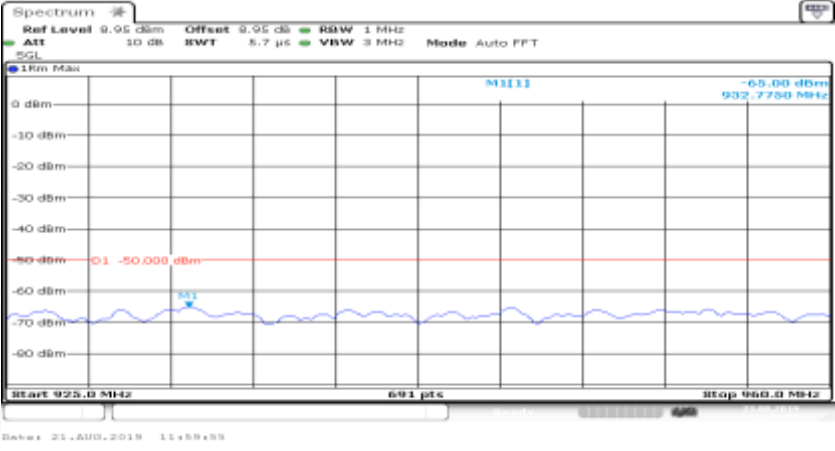

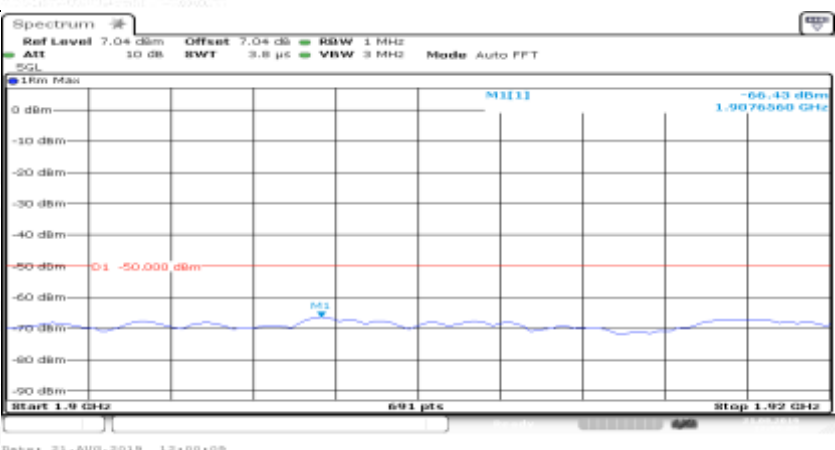
Co-existence	
Co-existence	
Additional	NA

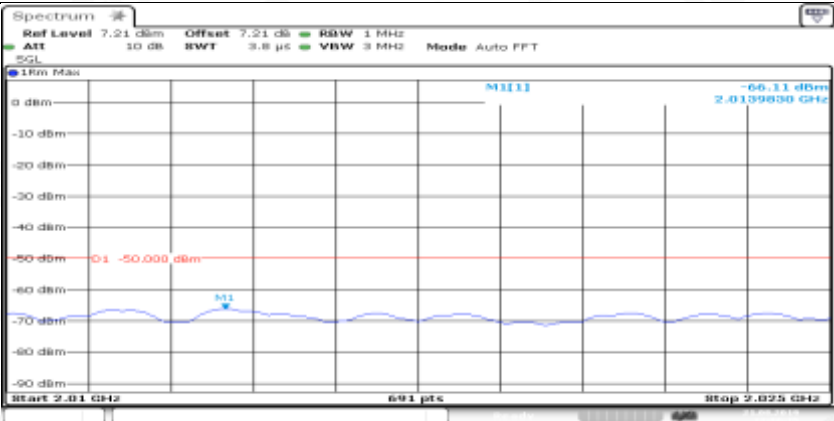
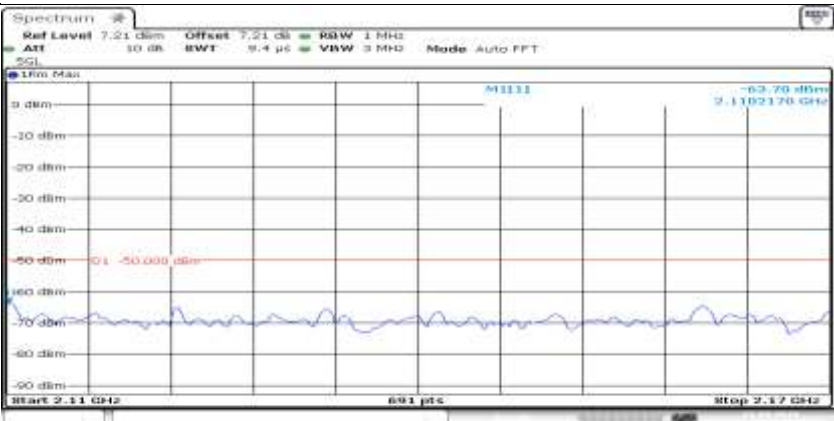
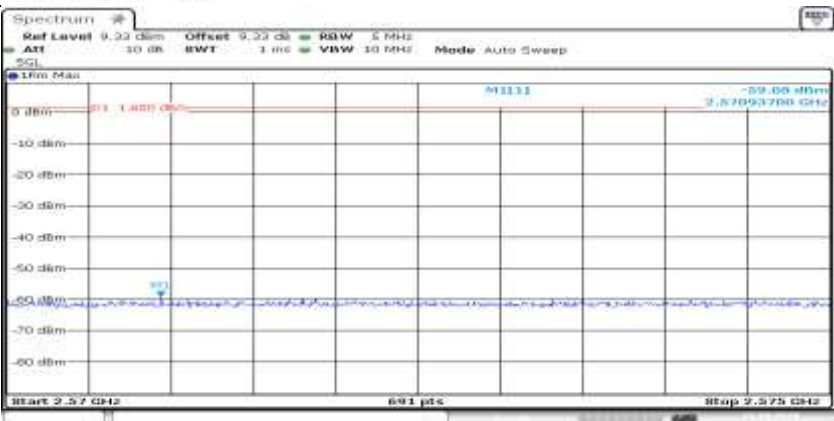
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	

General	
General	
General	



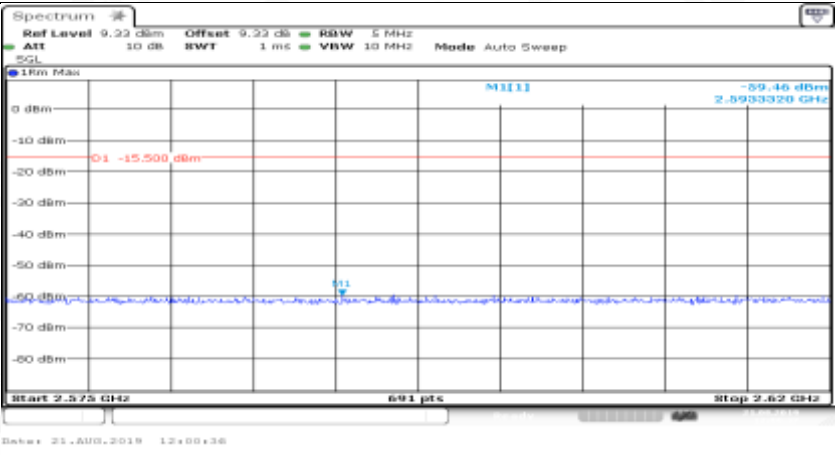




Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

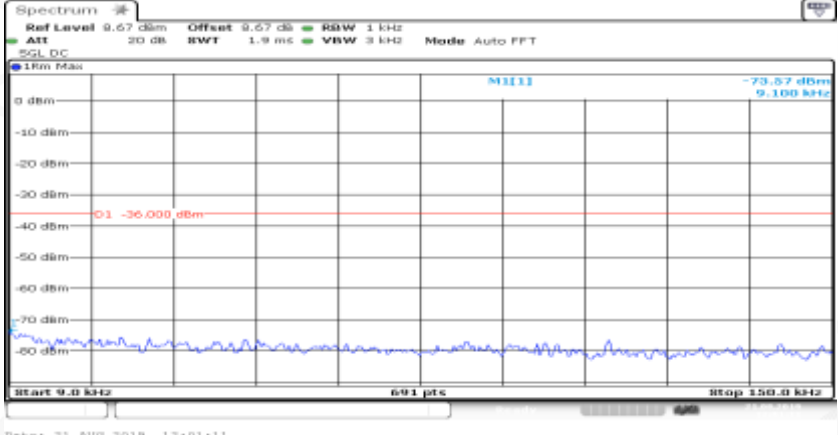
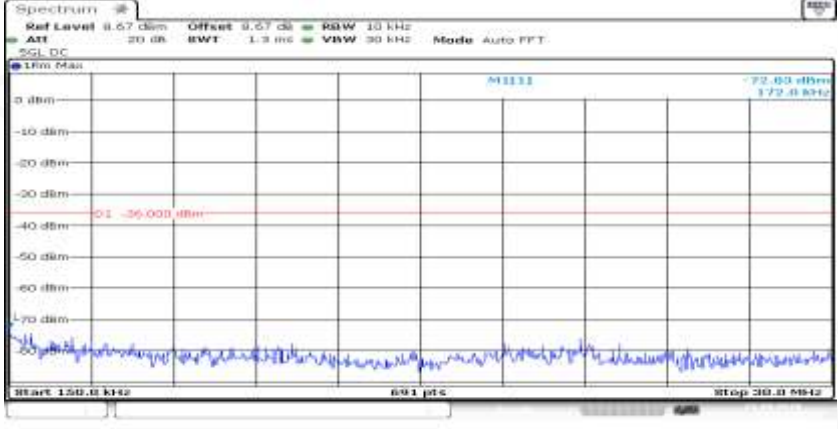




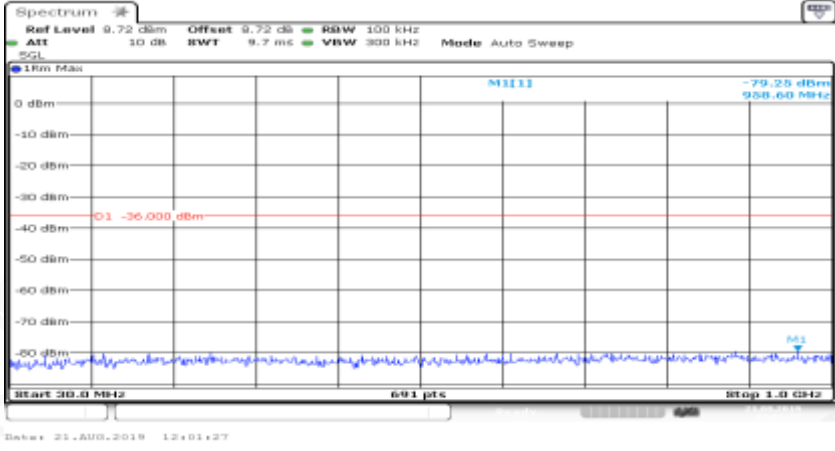
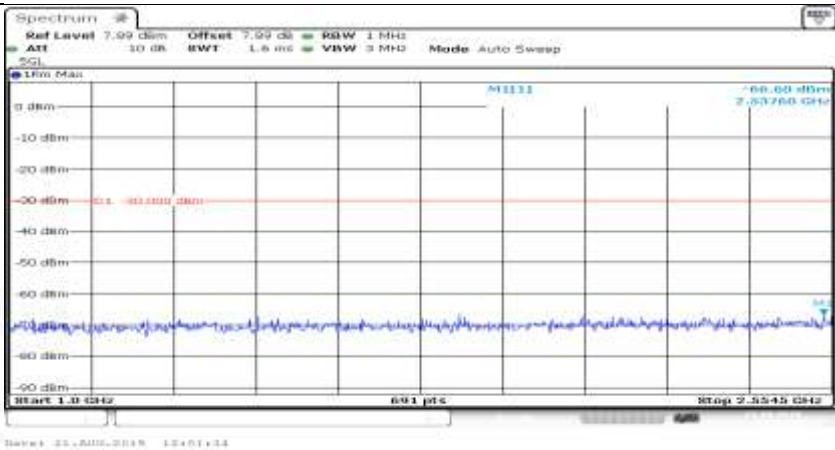
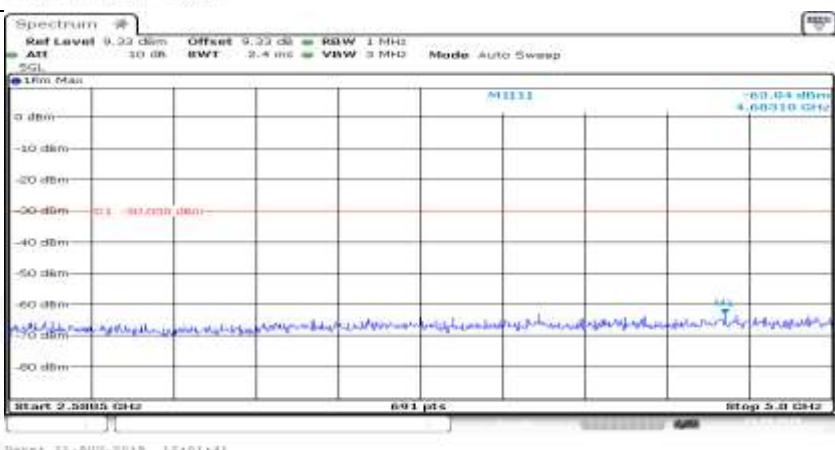
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Additional	NA

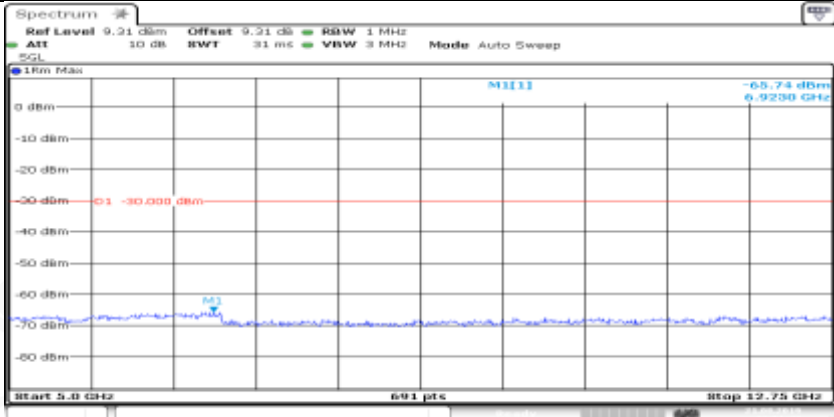
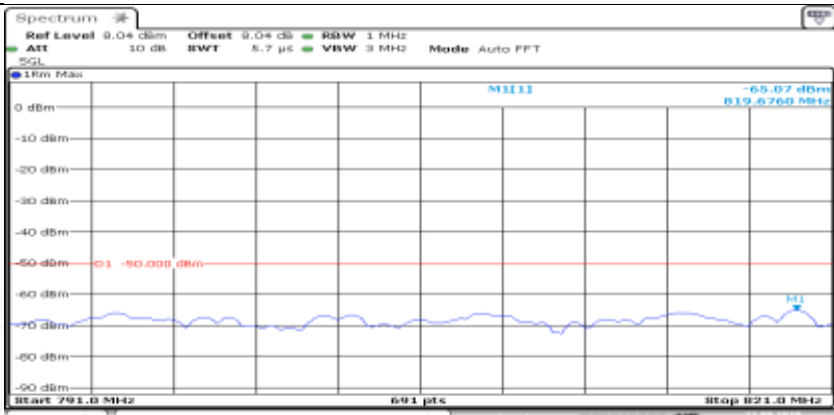
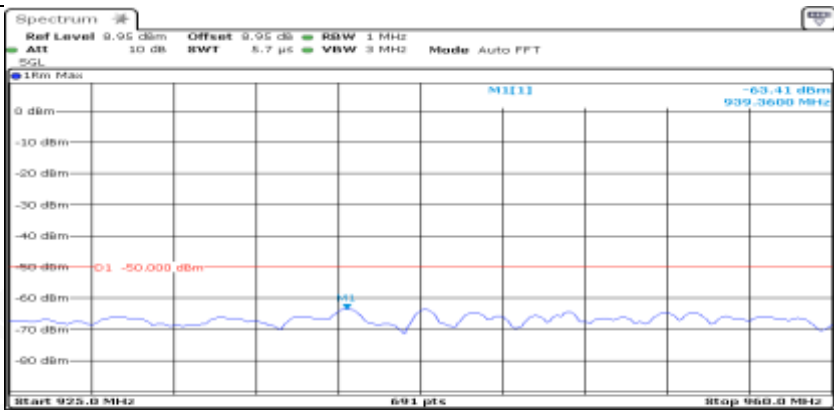
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0

General	
General	

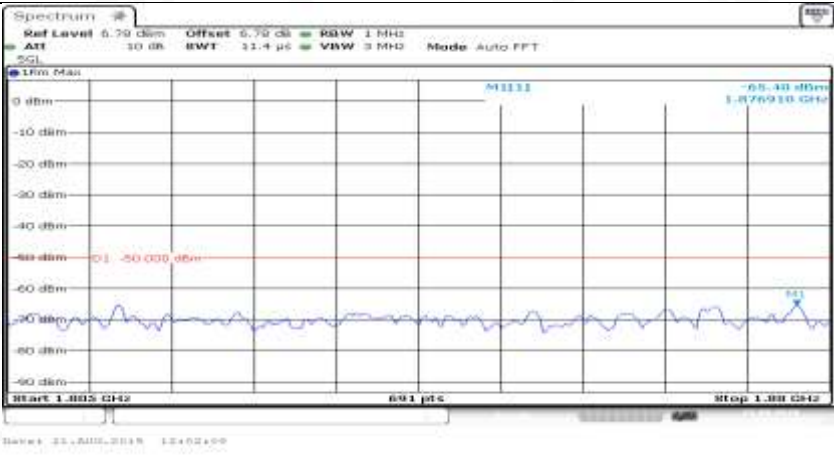
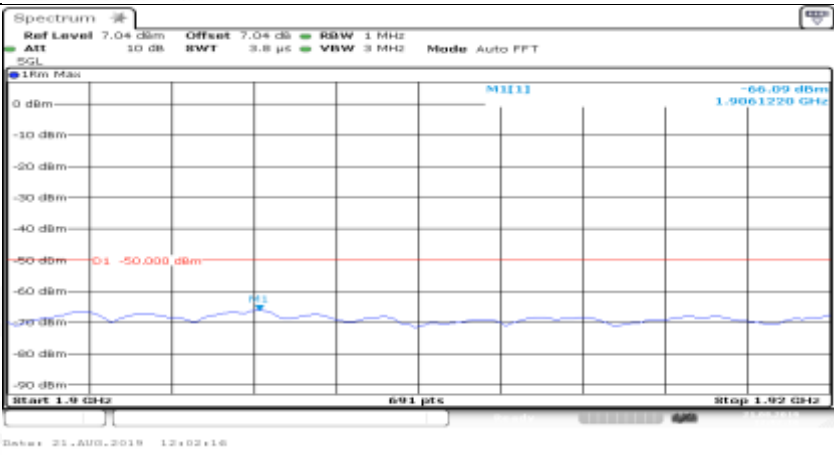
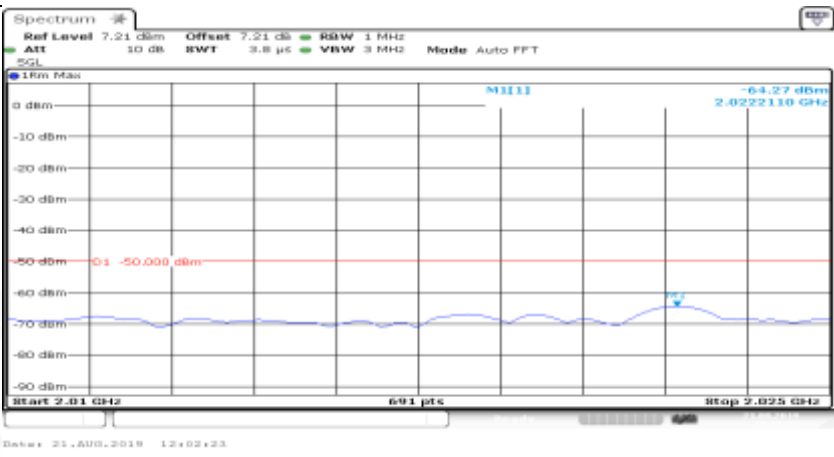


General	
General	
General	


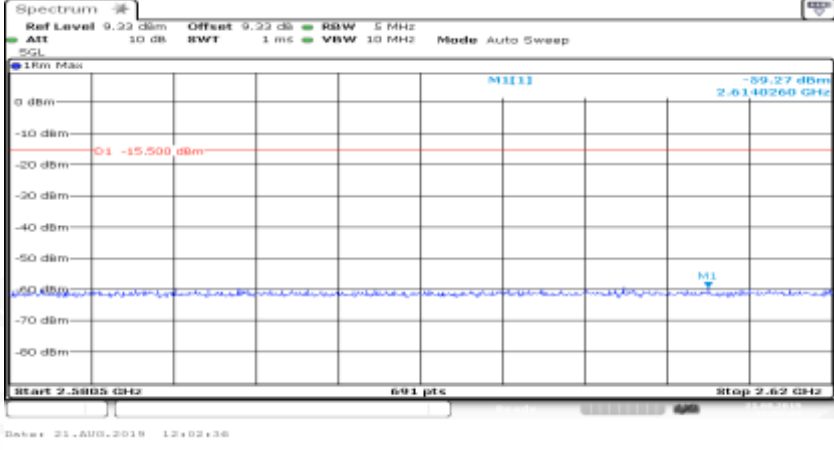



General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz Mode Auto Sweep</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>21.AUG.2019 12:01:48</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>691 pts</p> <p>21.AUG.2019 12:01:59</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>691 pts</p> <p>21.AUG.2019 12:02:02</p>




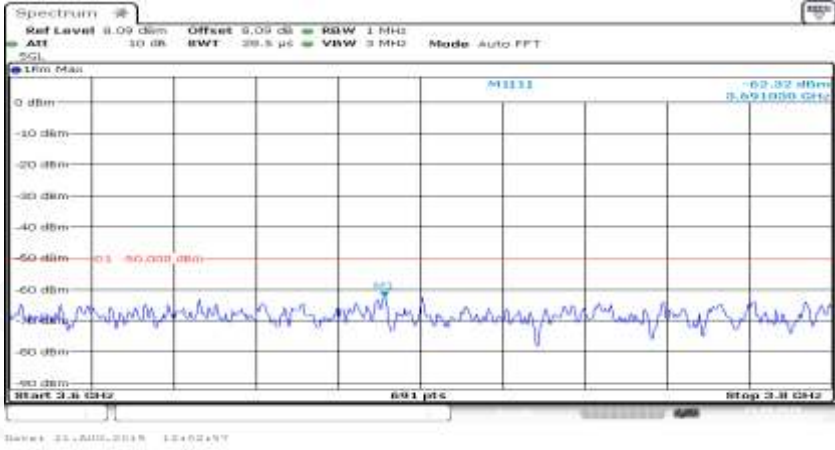
Co-existence	
Co-existence	
Co-existence	

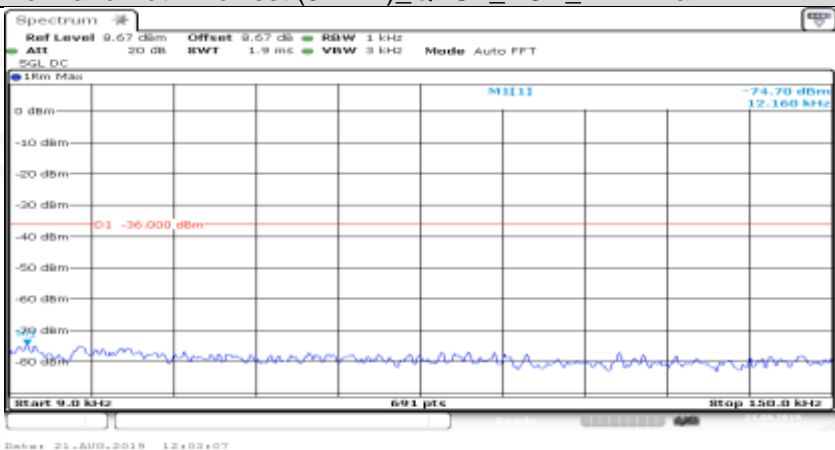


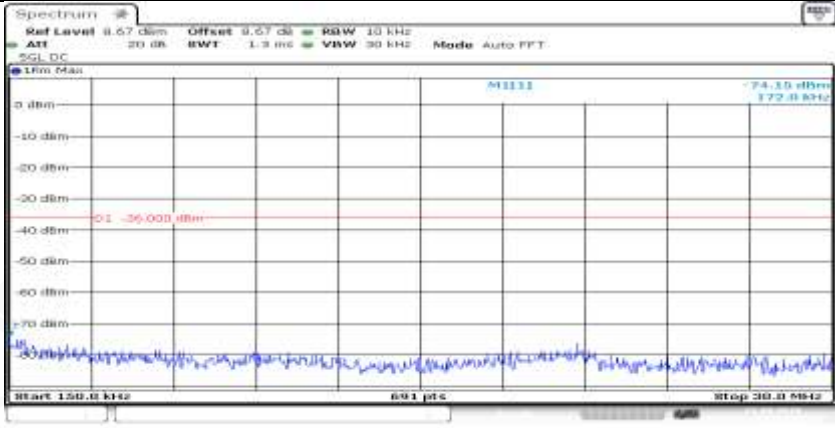
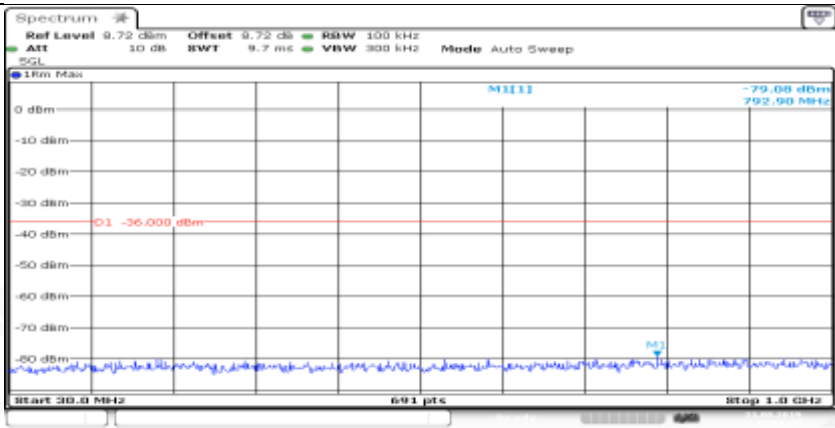
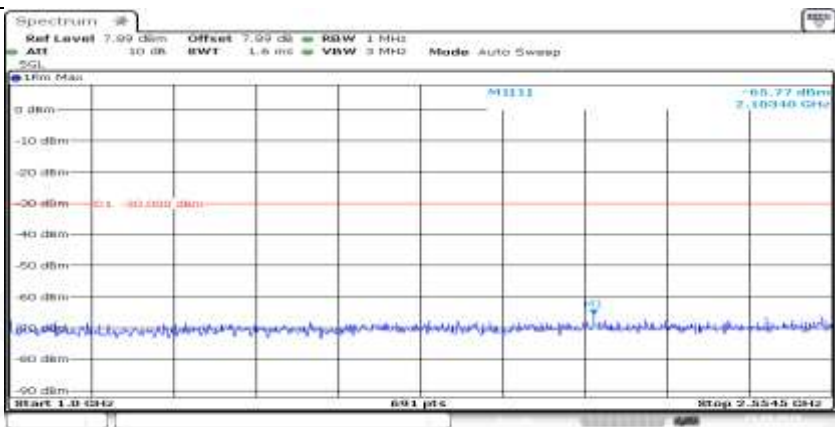
Co-existence	
Co-existence	
Co-existence	

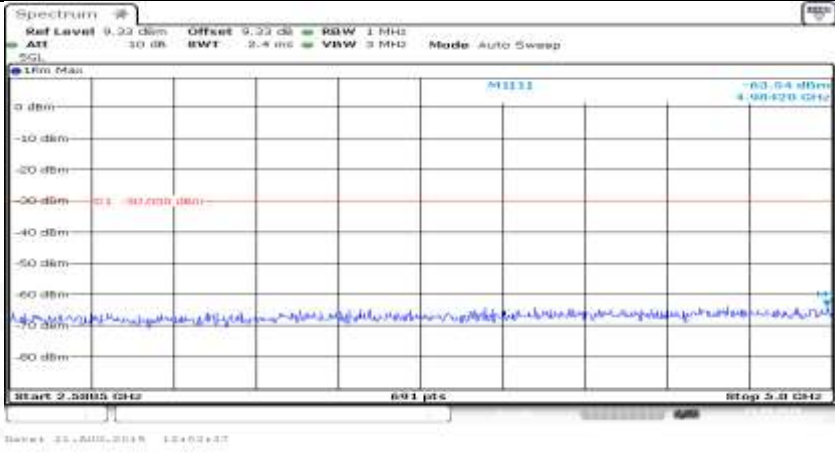
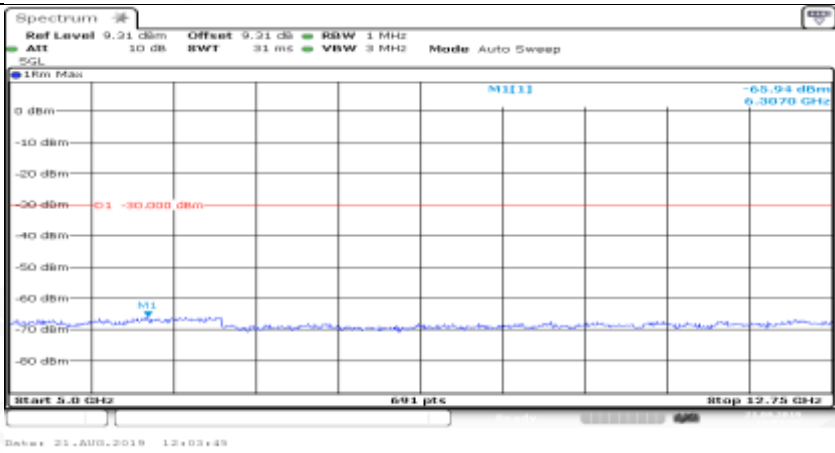
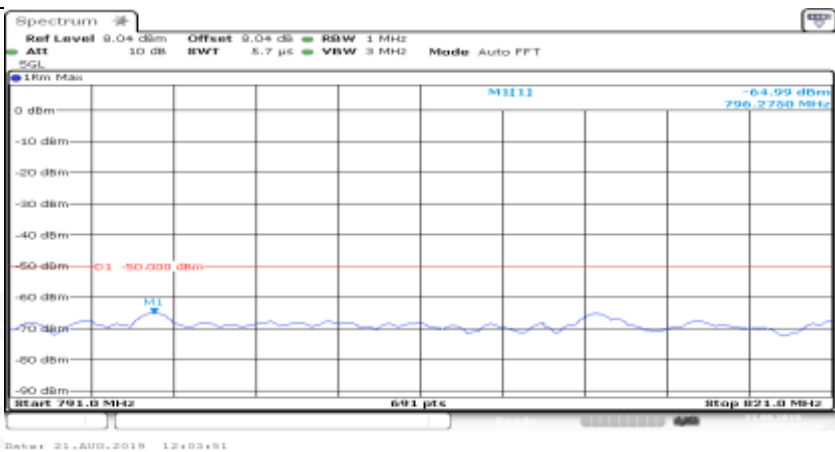




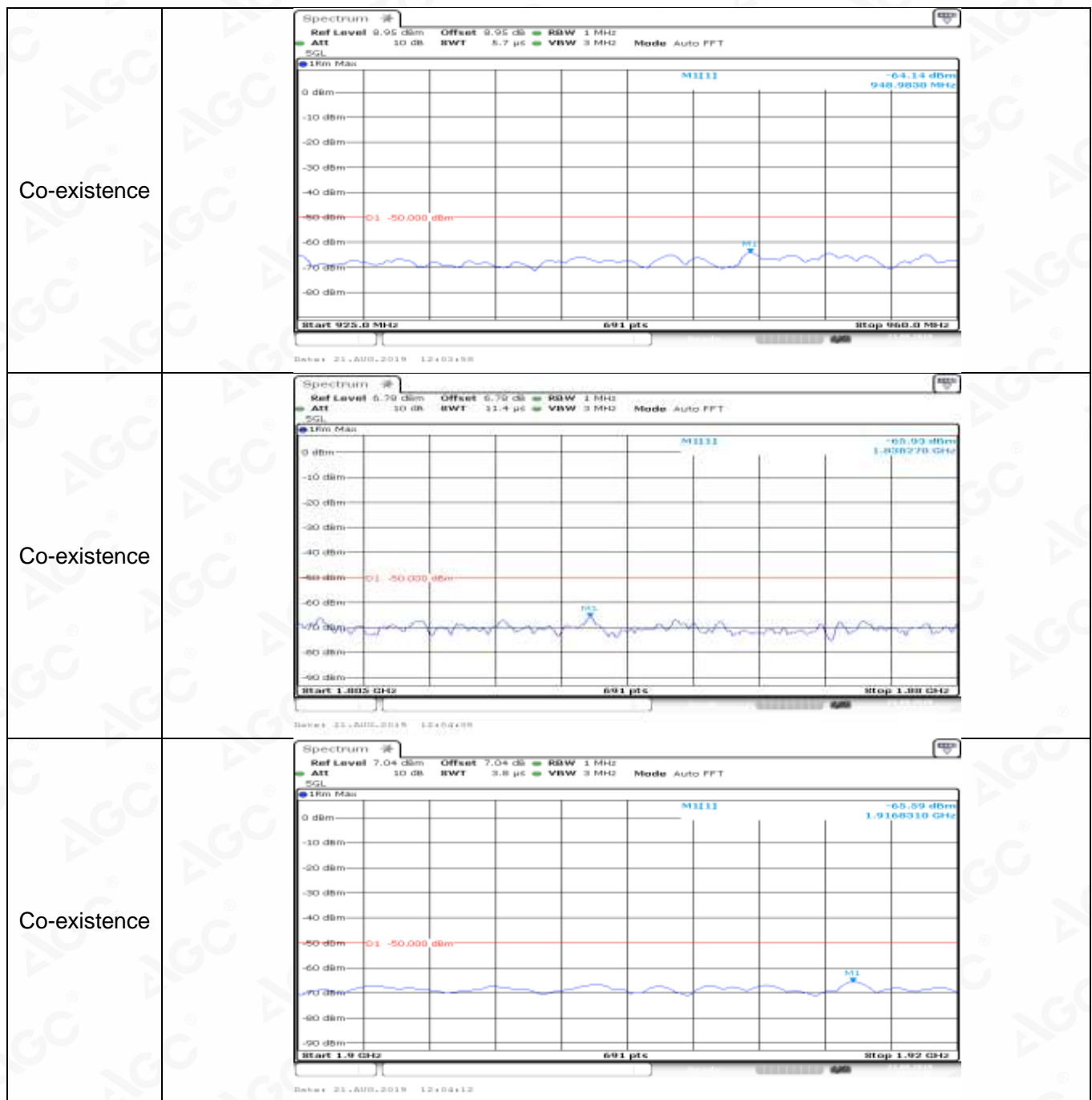
Co-existence	
Co-existence	
Additional	NA

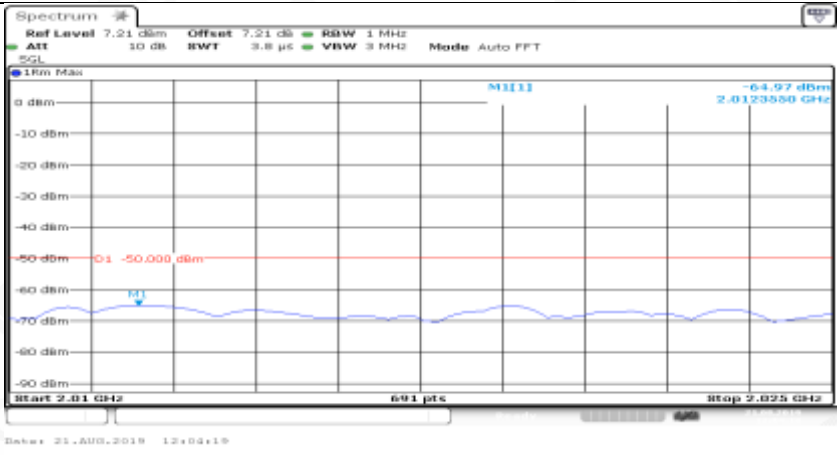
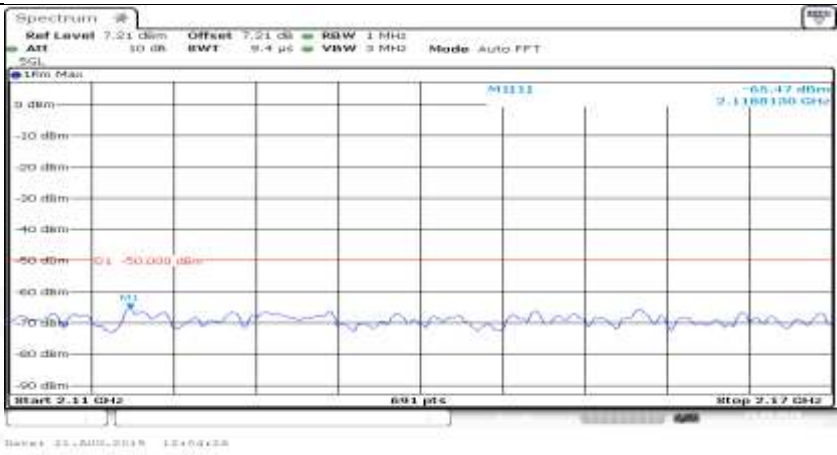
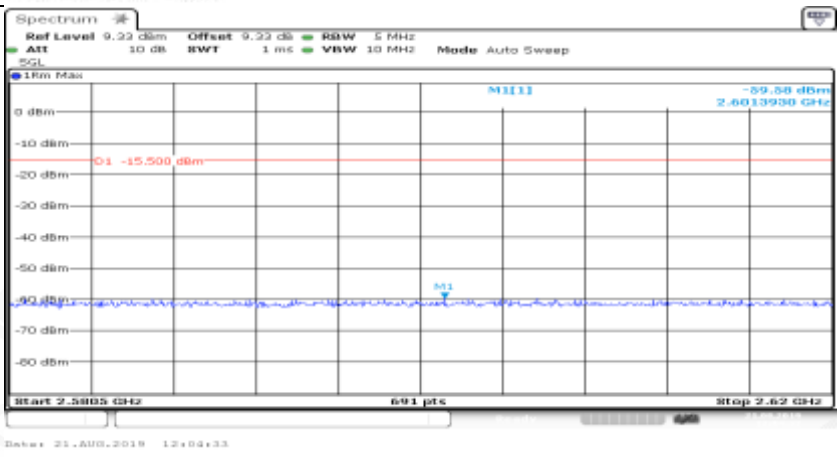
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	


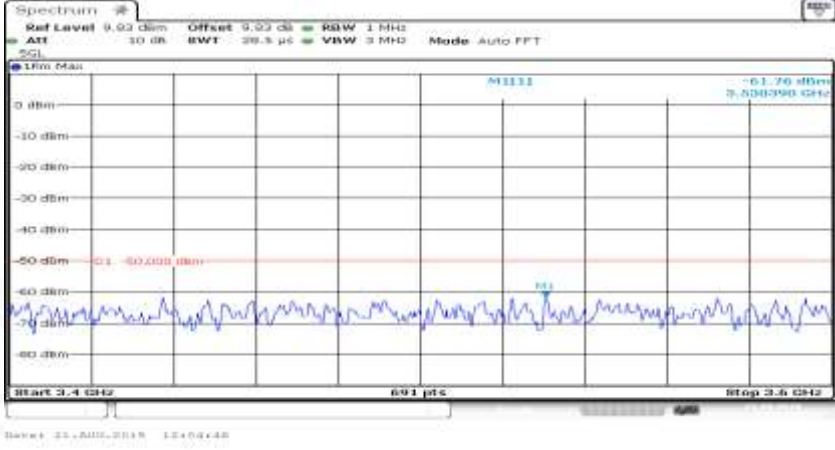

General	
General	
General	

General	
General	
Co-existence	



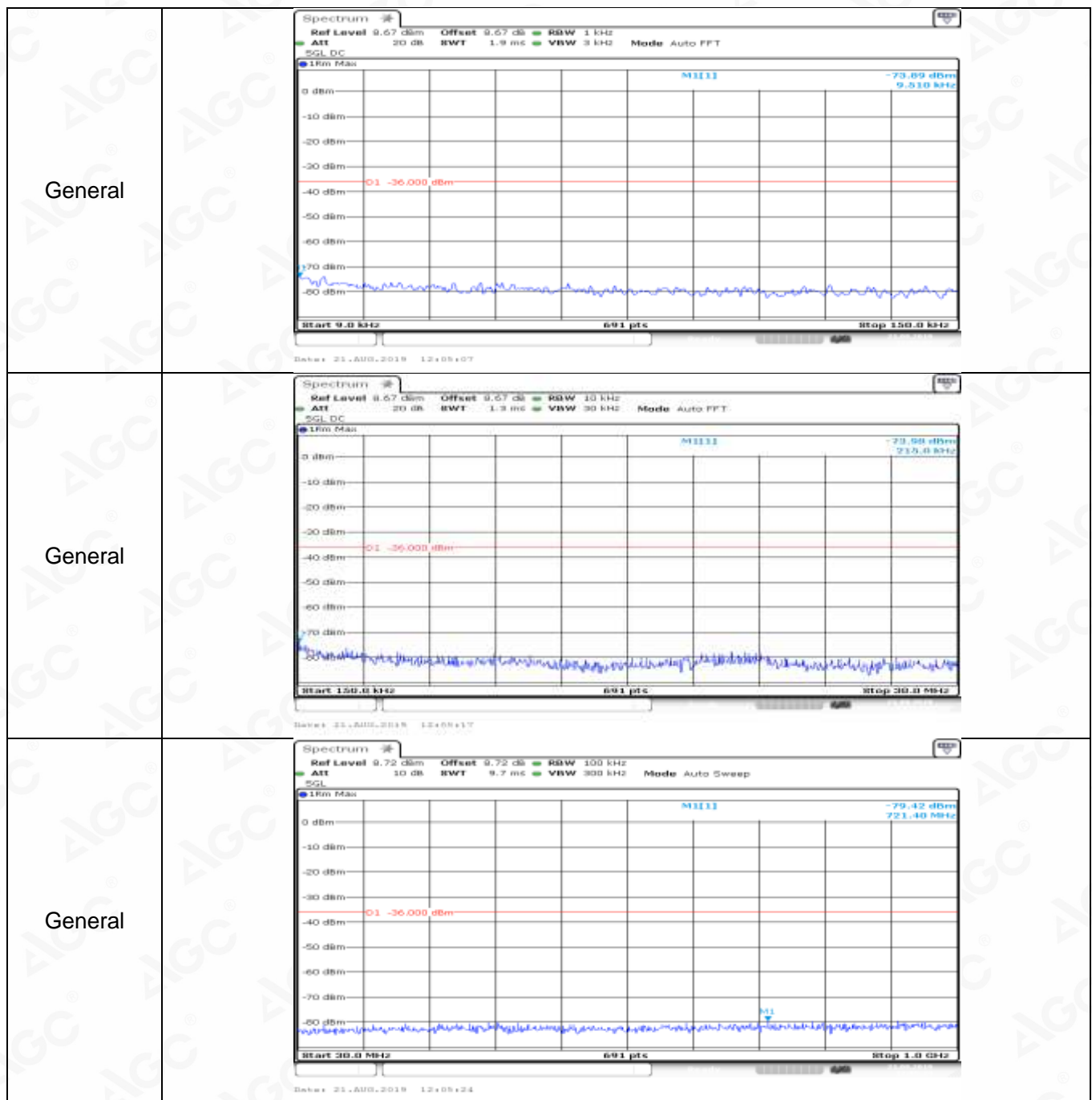


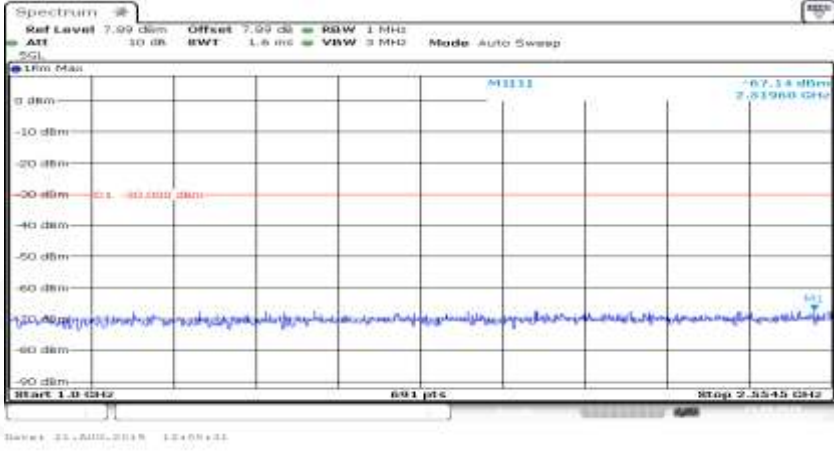
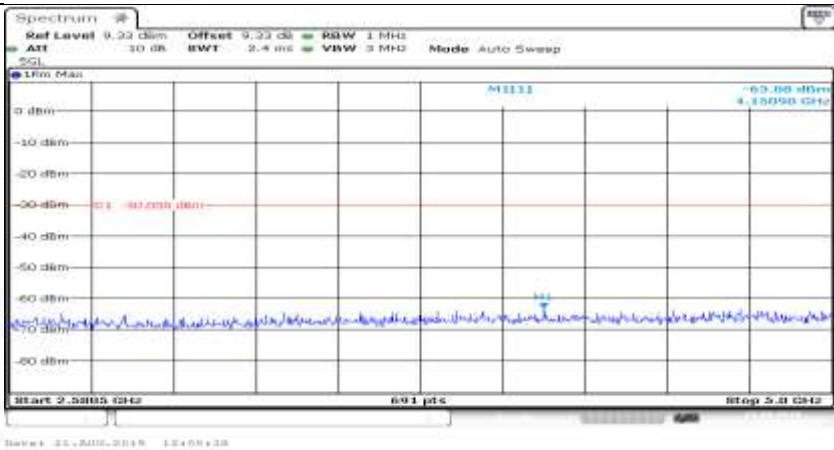
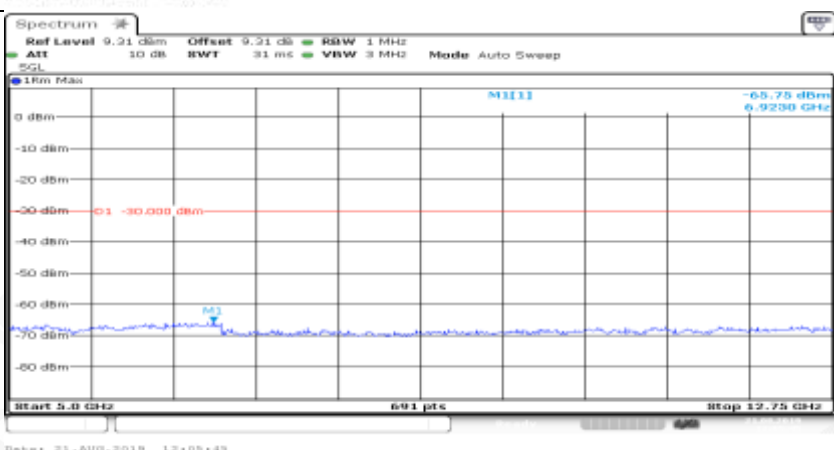
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

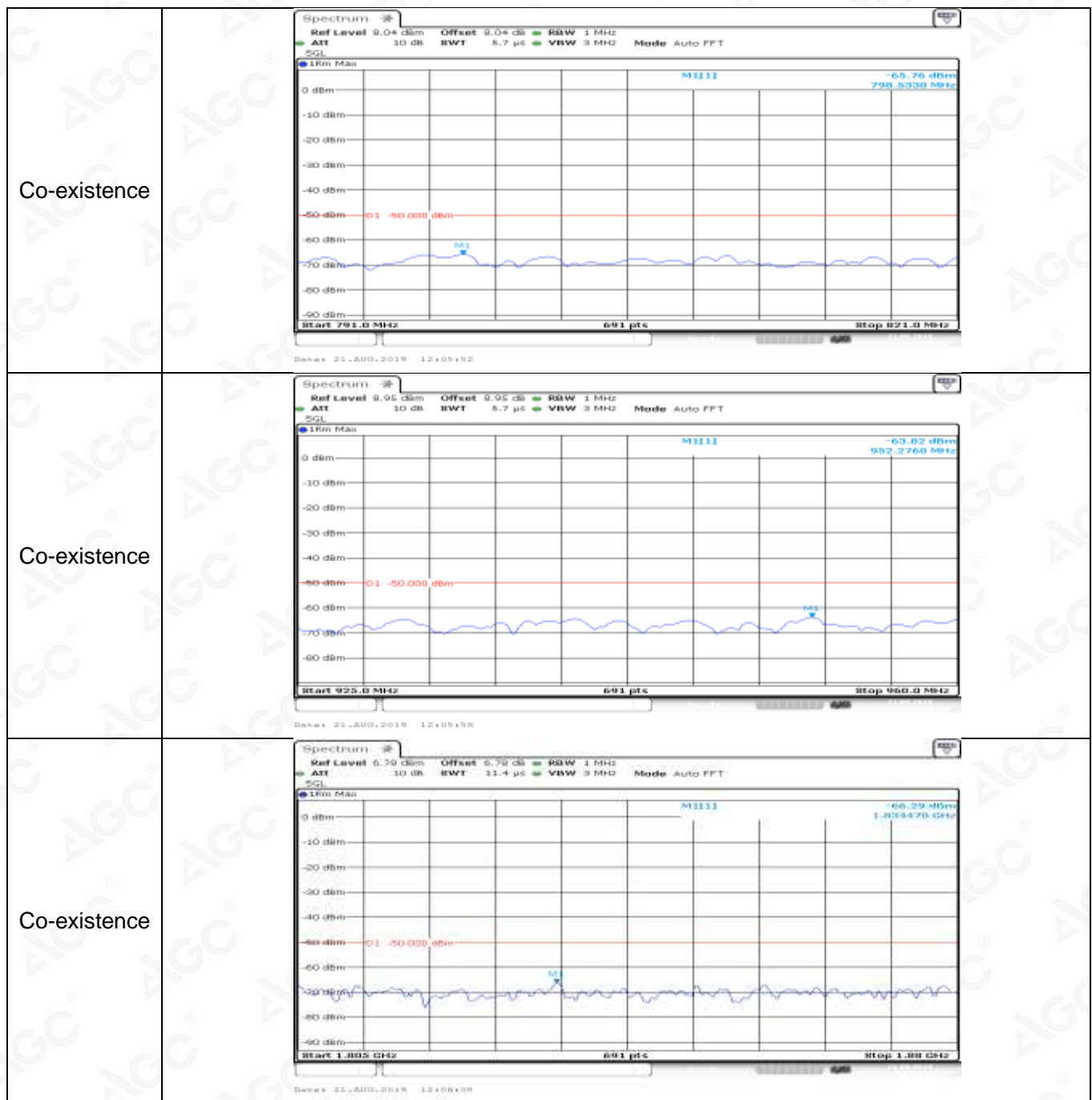
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_FullRB#0



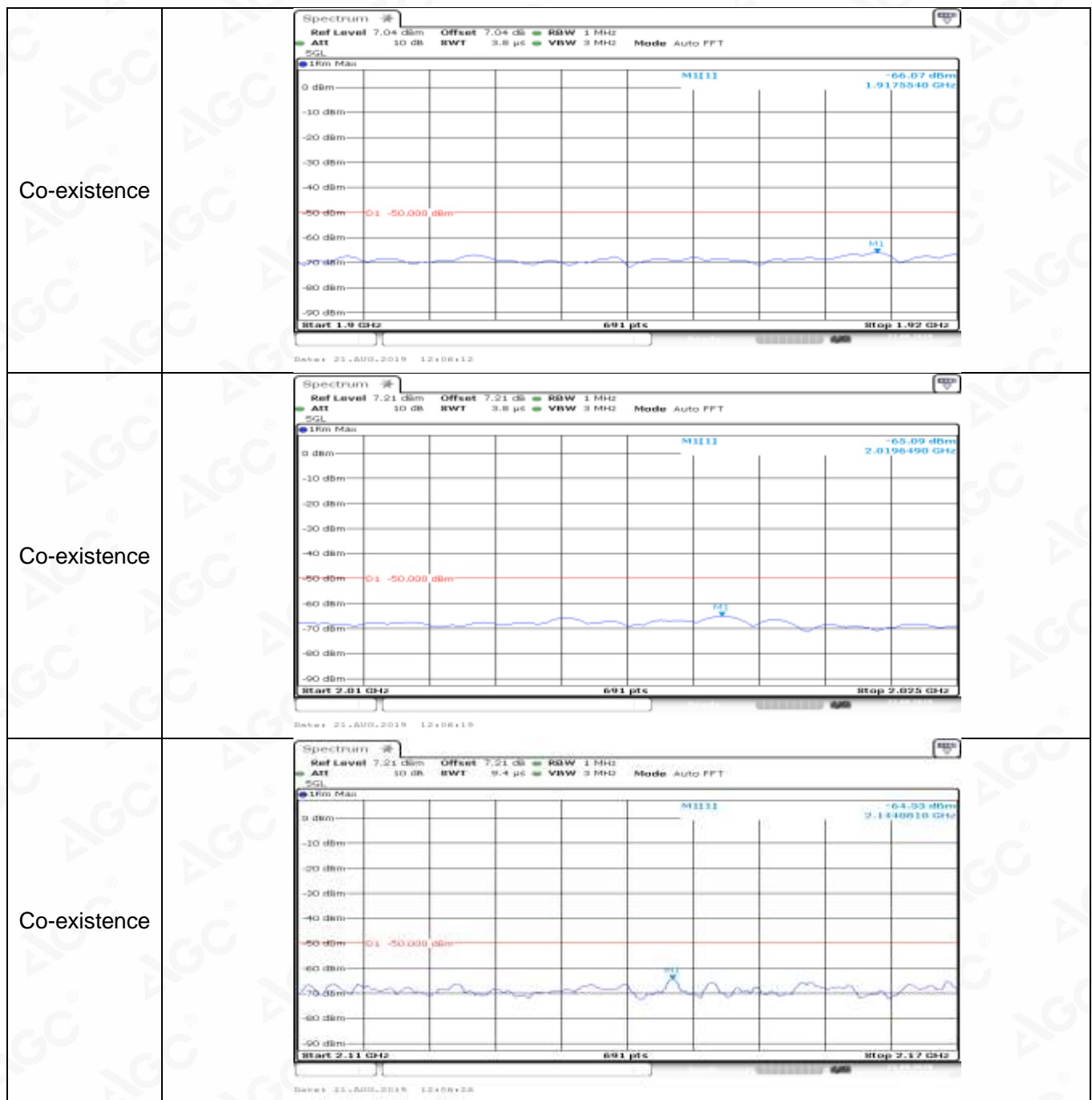


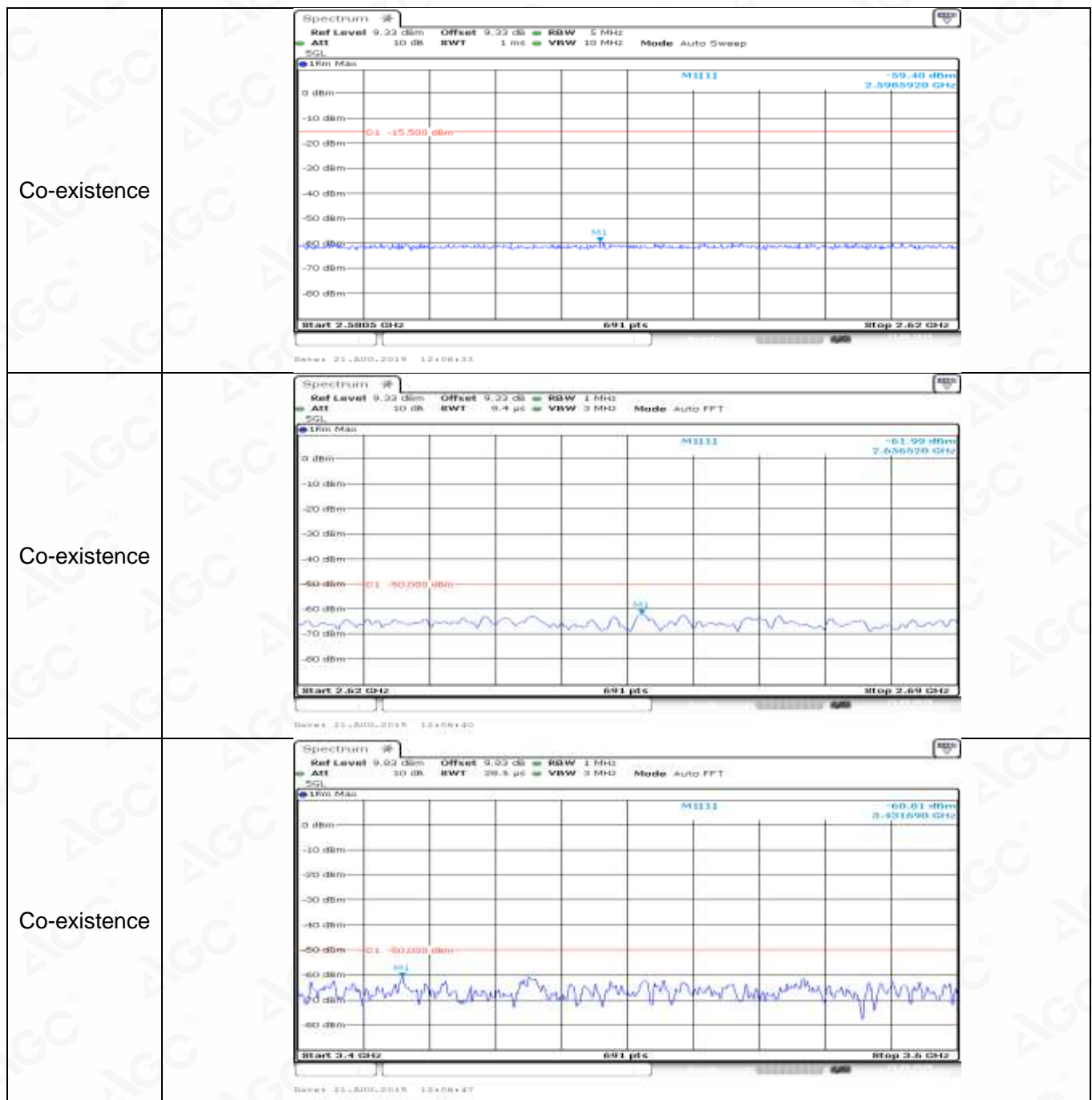
General	
General	
General	

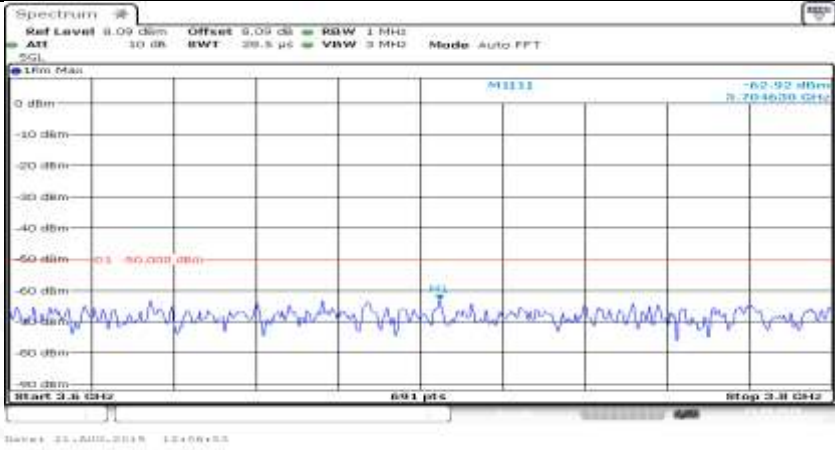




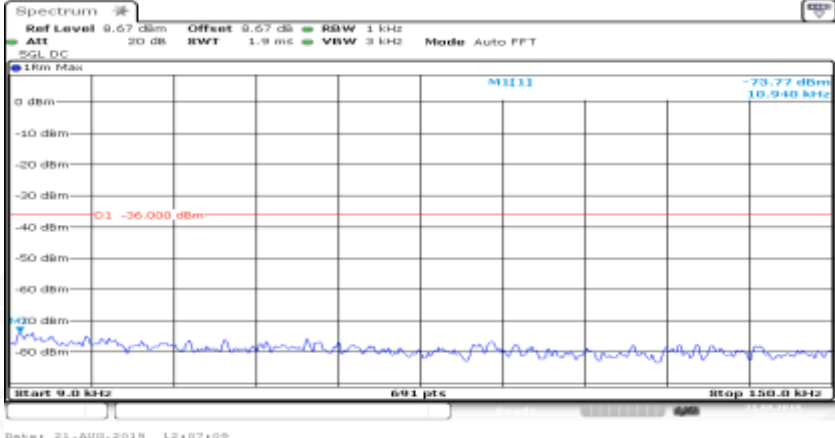




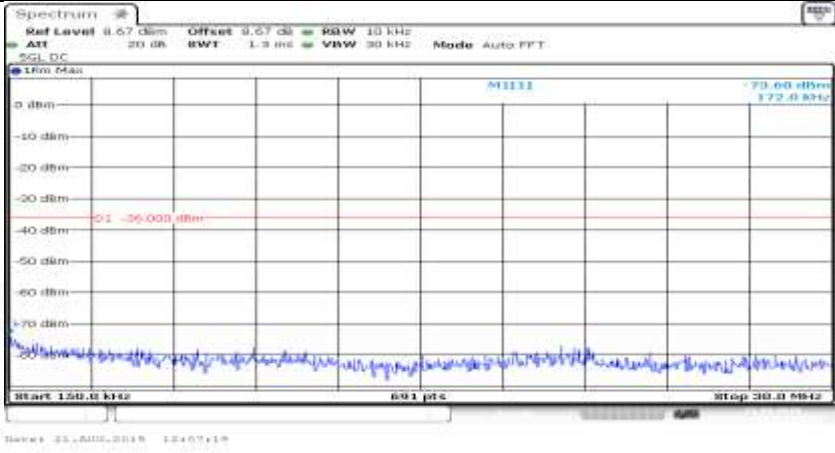
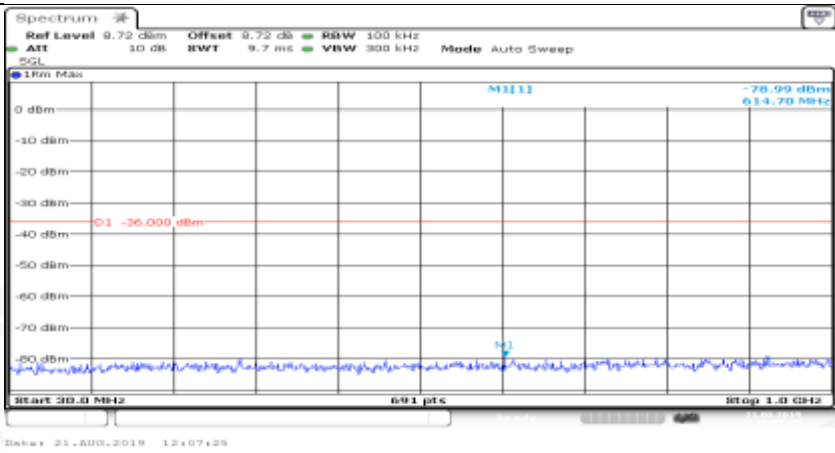
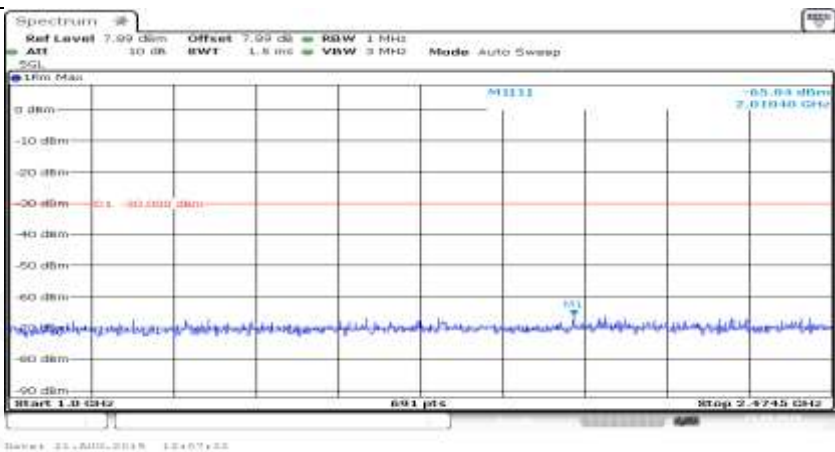


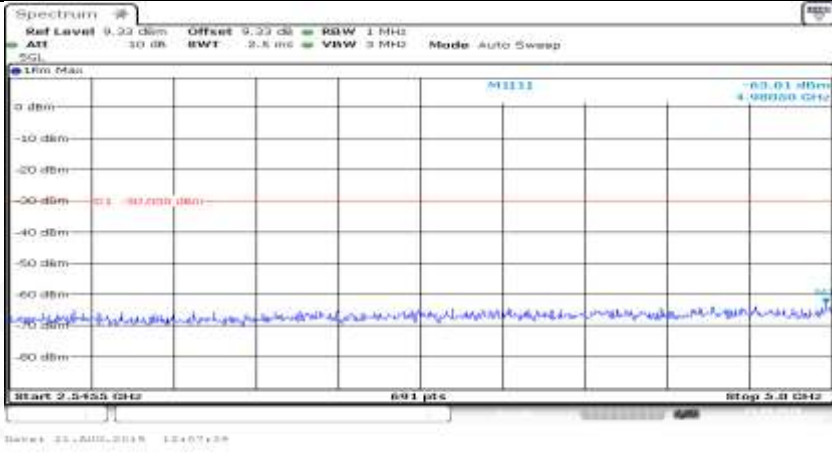
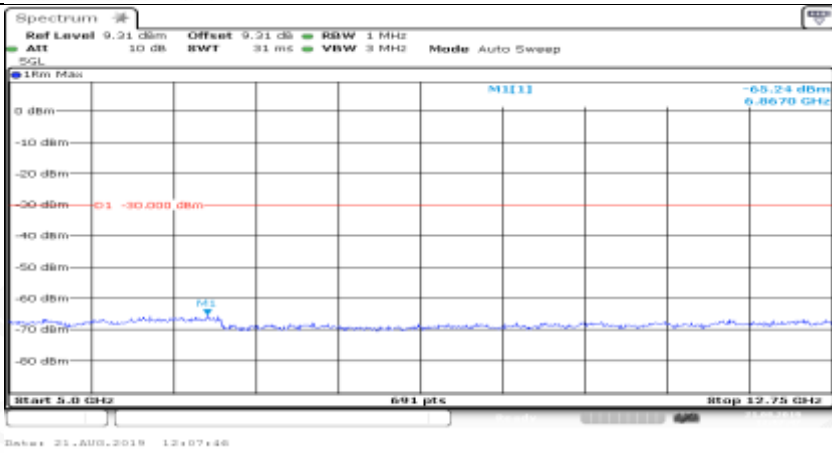
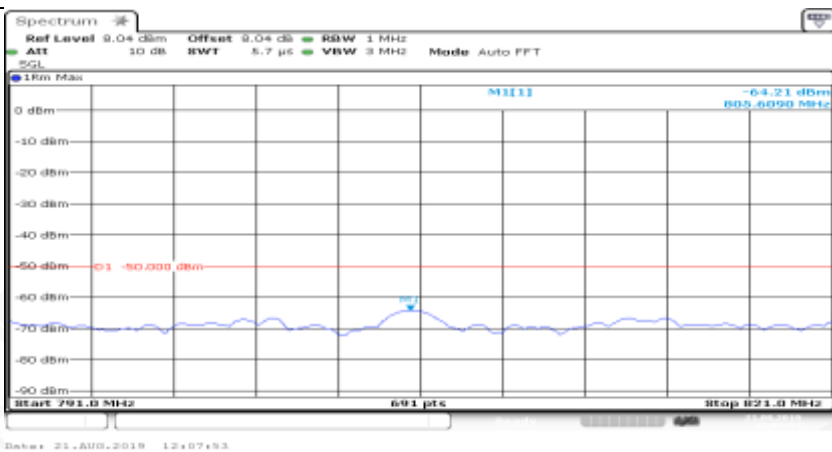
Co-existence	
Additional	NA

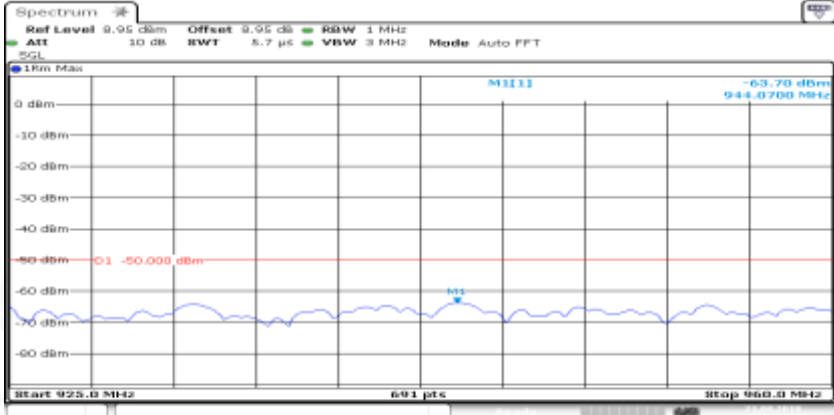
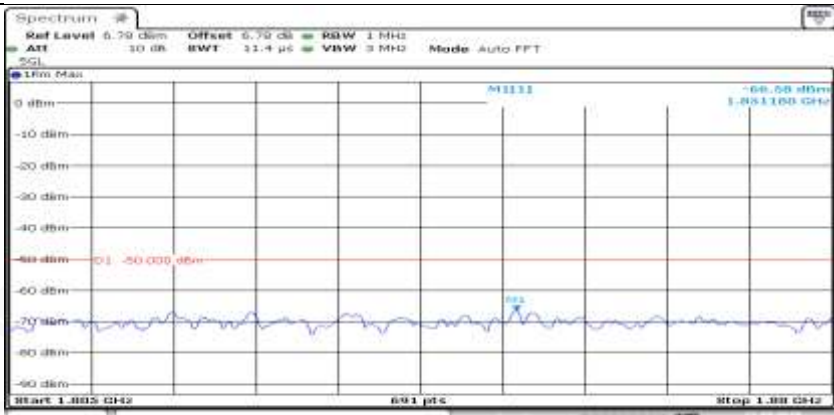
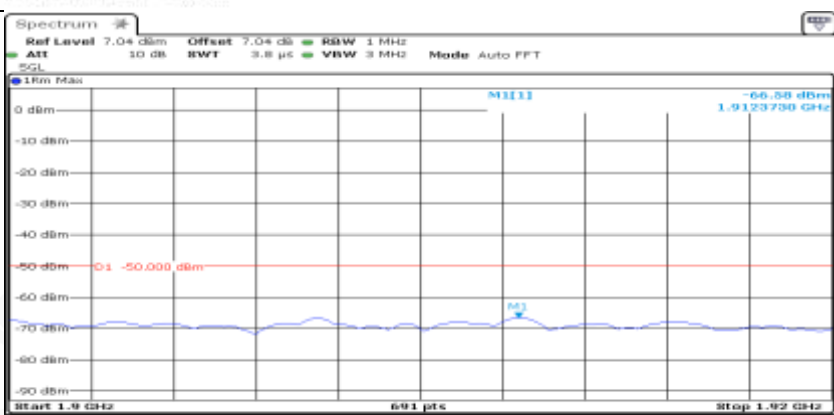
Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_1RB#0	
General	



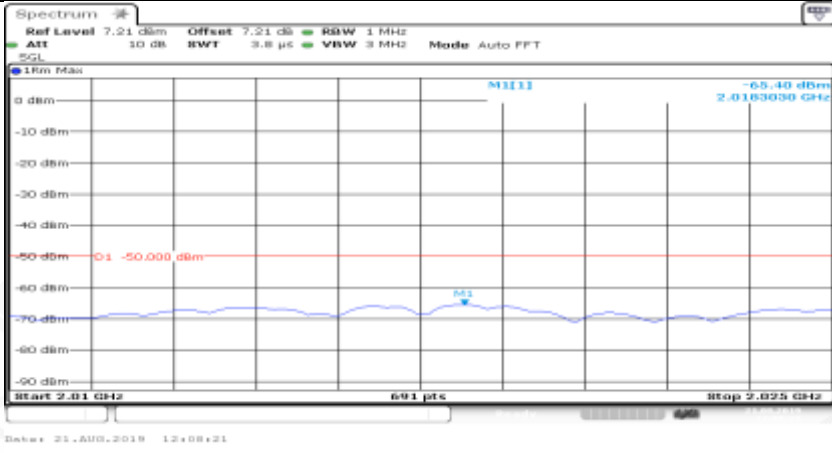


General	
General	
General	

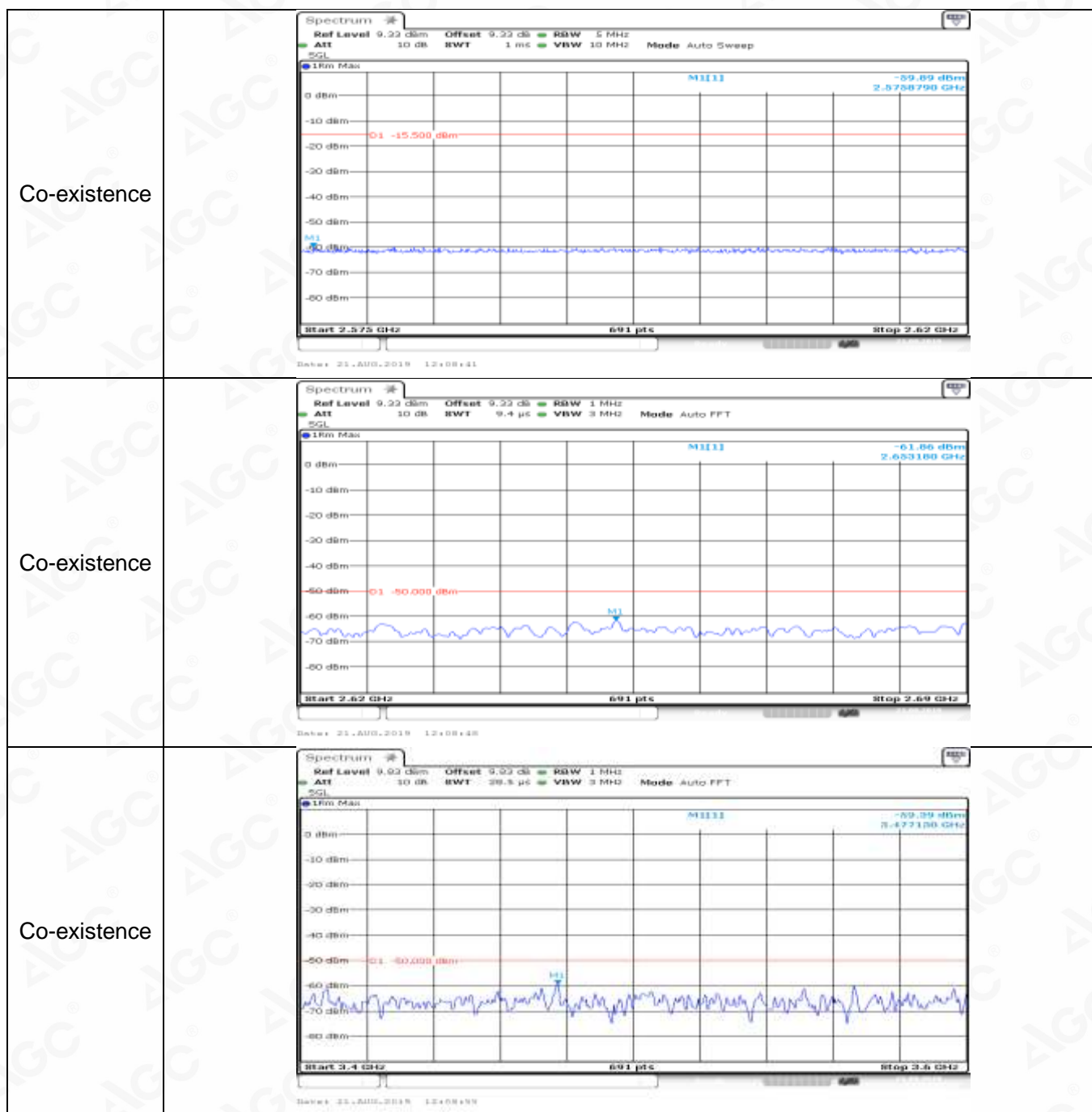
General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

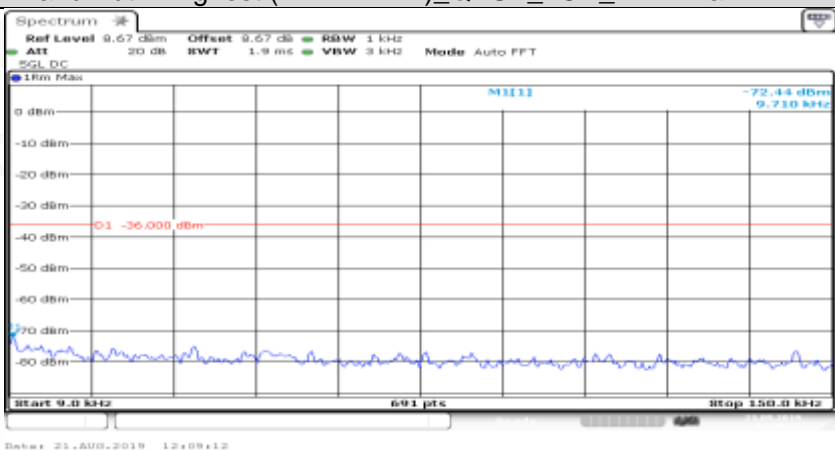
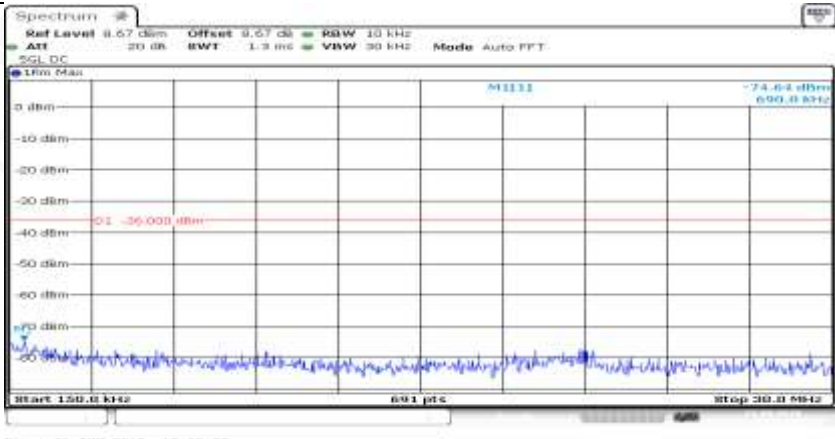




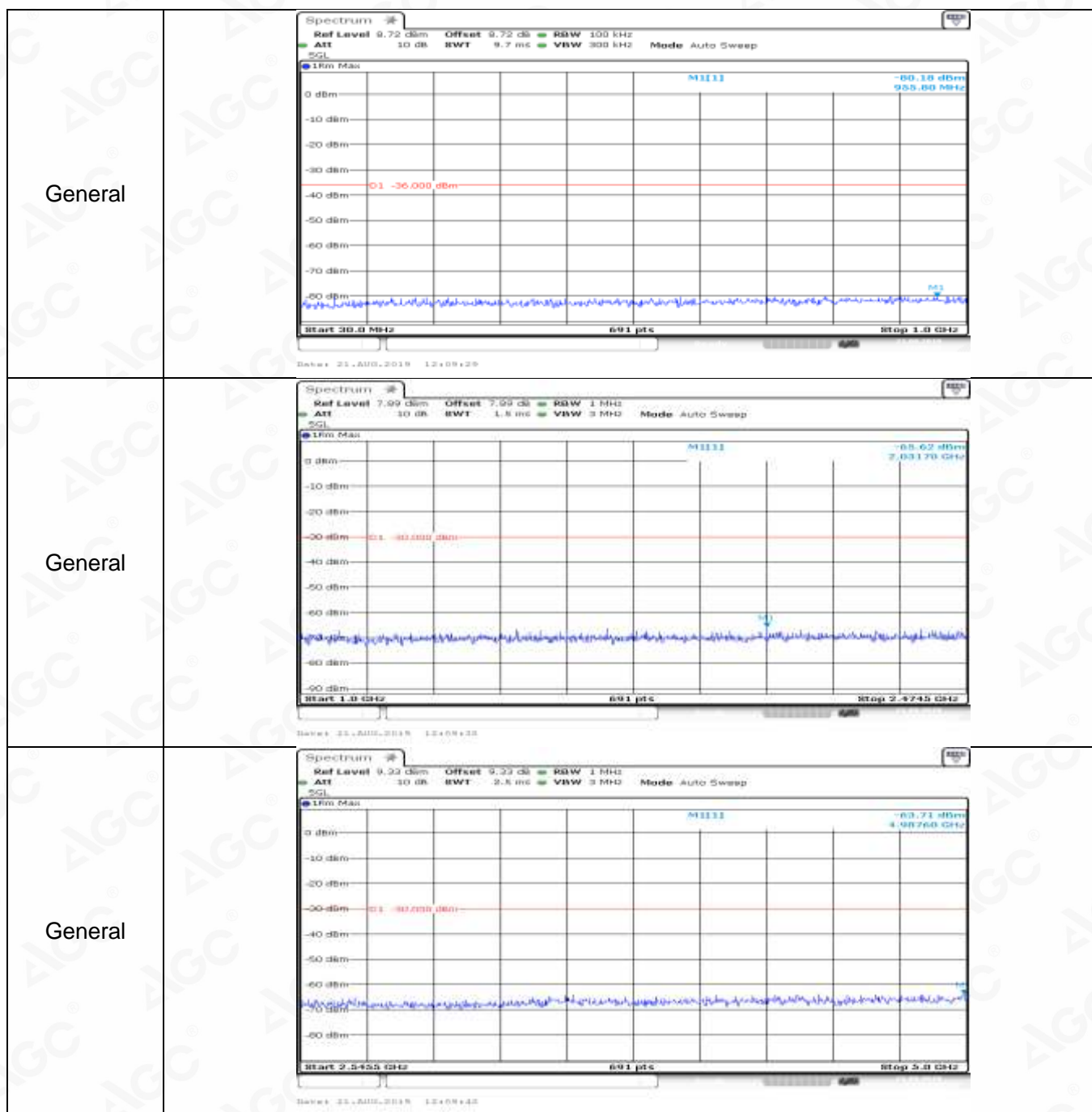
Co-existence	
Co-existence	
Co-existence	

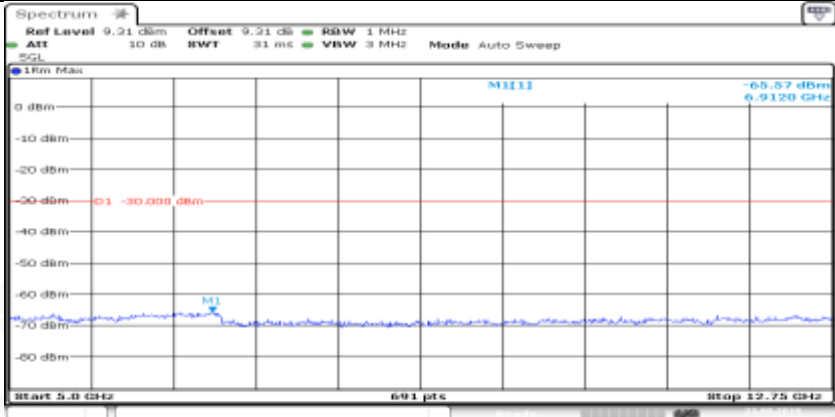
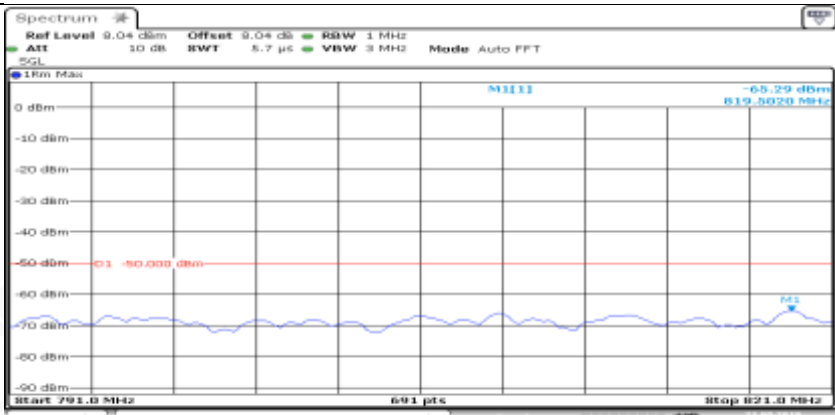



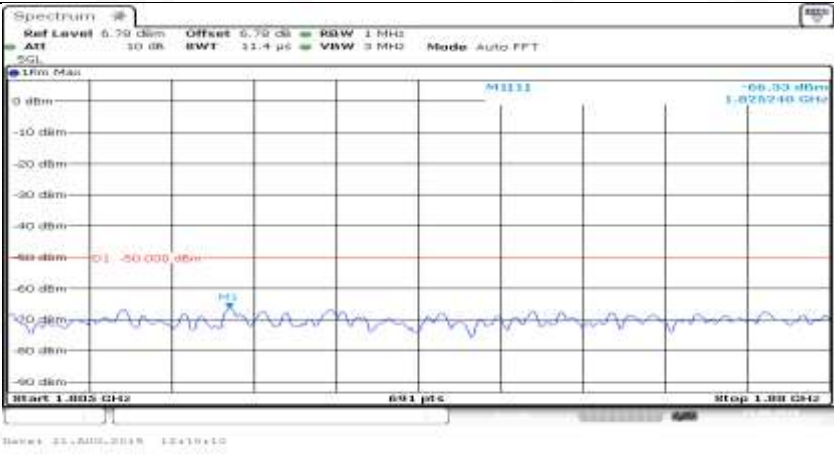
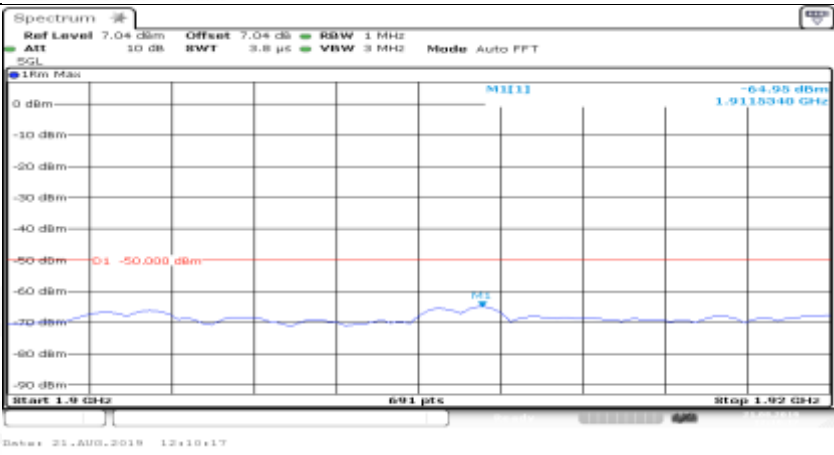
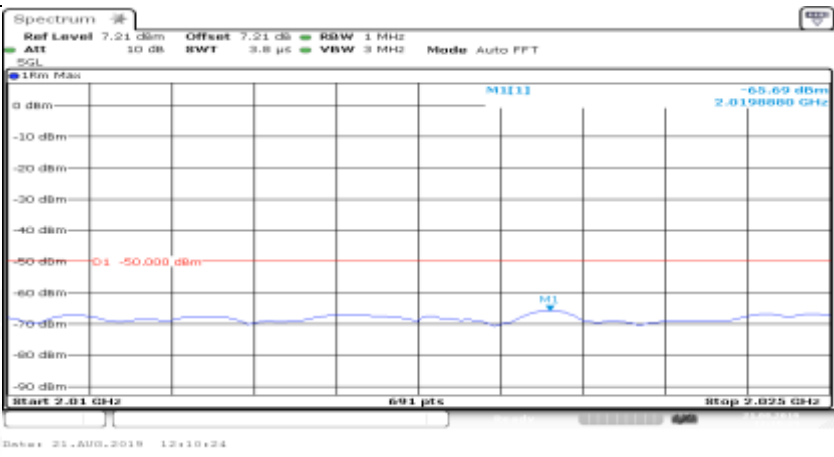
Co-existence	
Additional	NA

Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	



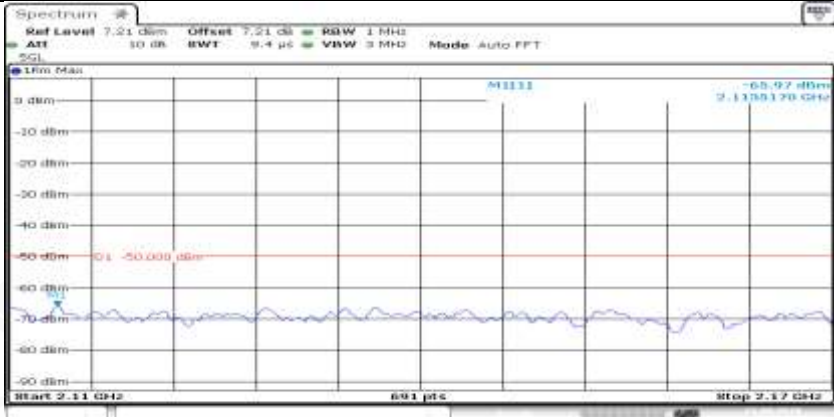
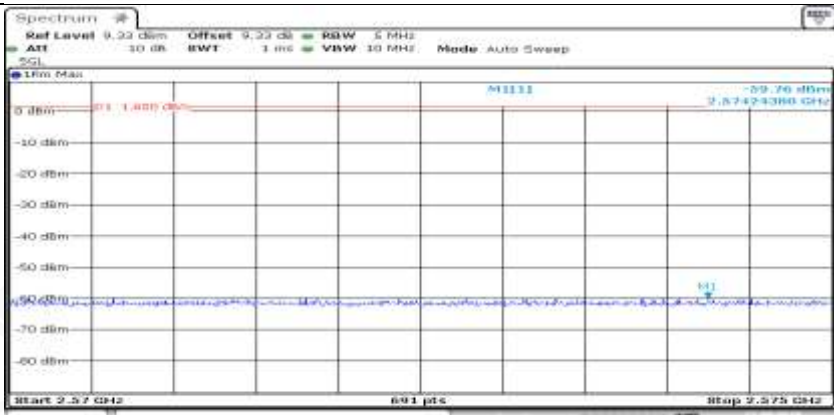
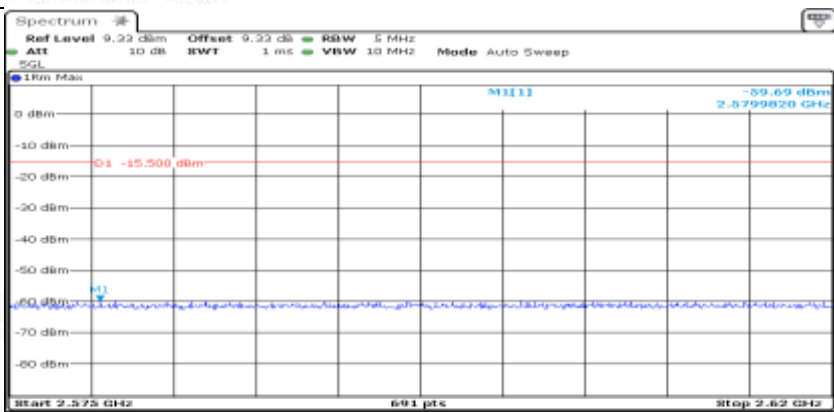


General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 12.75 GHz</p> <p>6.9120 GHz</p> <p>-65.57 dBm</p> <p>01 -50.000 dBm</p> <p>21.AUG.2019 12:09:50</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 791.0 MHz</p> <p>691 pts</p> <p>Stop 821.0 MHz</p> <p>819.5020 MHz</p> <p>-65.29 dBm</p> <p>01 -50.000 dBm</p> <p>21.AUG.2019 12:09:56</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 925.0 MHz</p> <p>691 pts</p> <p>Stop 960.0 MHz</p> <p>957.4930 MHz</p> <p>-63.14 dBm</p> <p>01 -50.000 dBm</p> <p>21.AUG.2019 12:10:03</p>


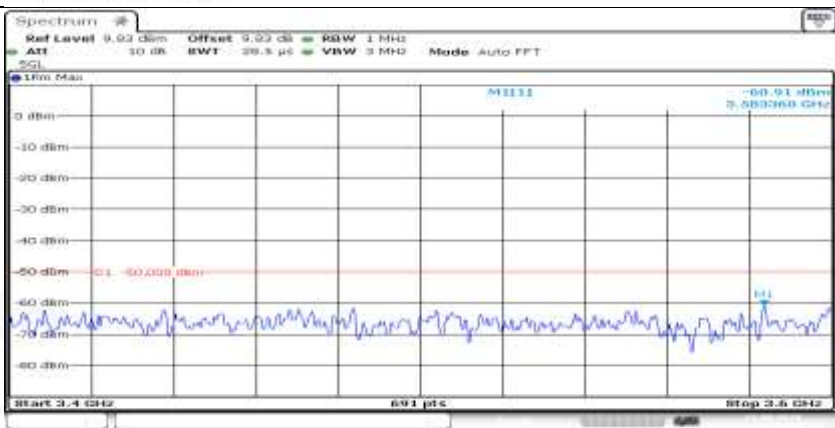
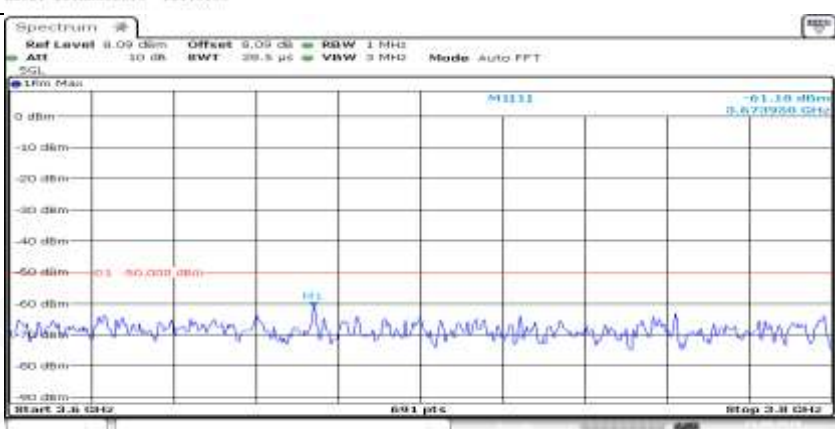
Co-existence	
Co-existence	
Co-existence	



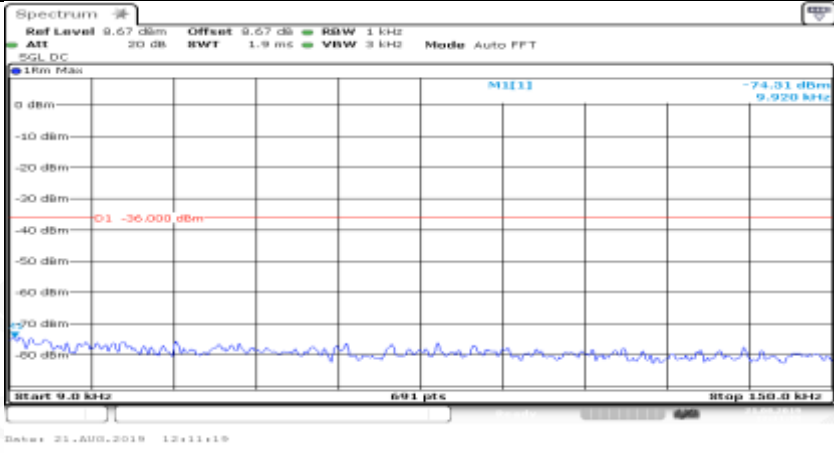
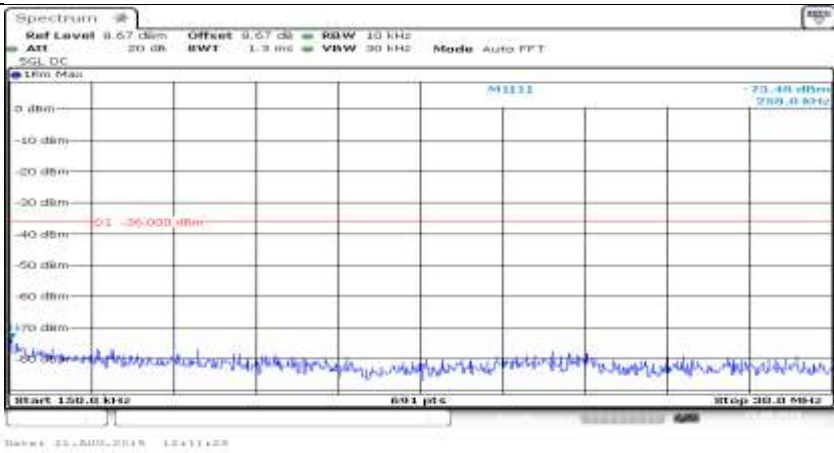
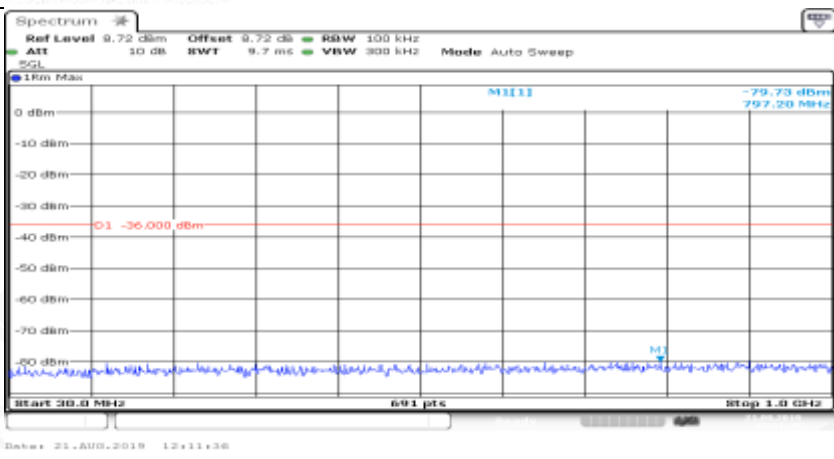


Co-existence	
Co-existence	
Co-existence	



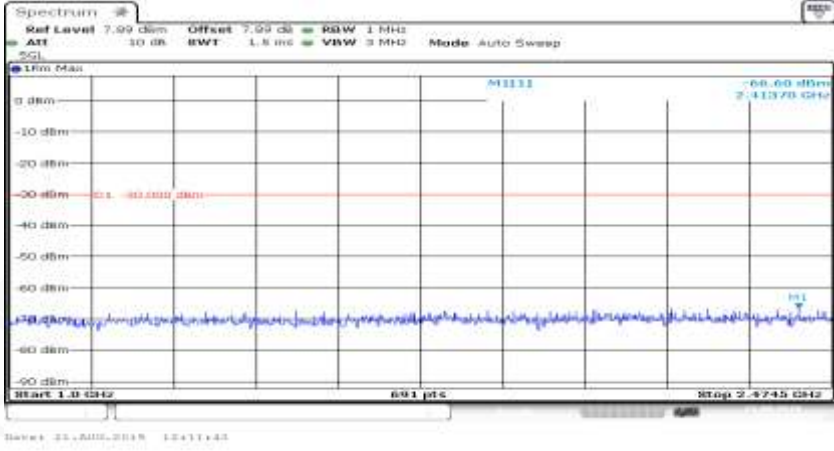
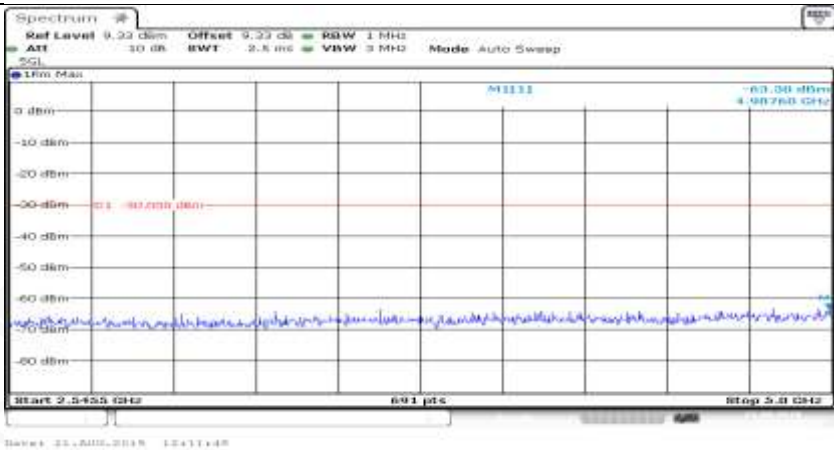
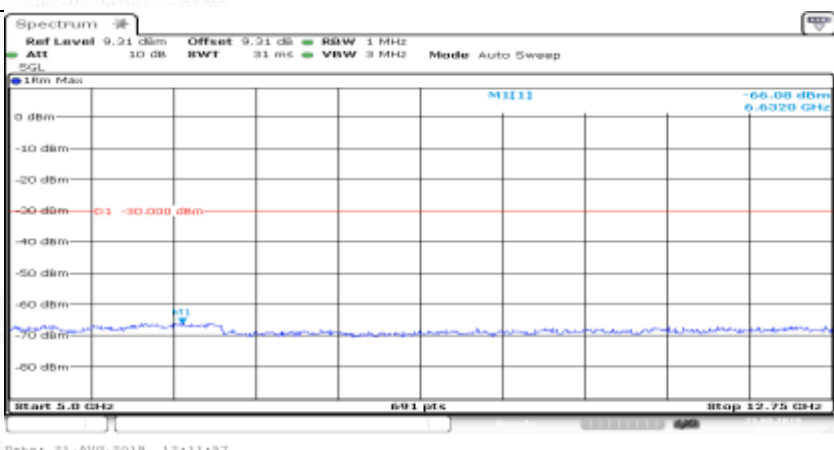
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_FullRB#0

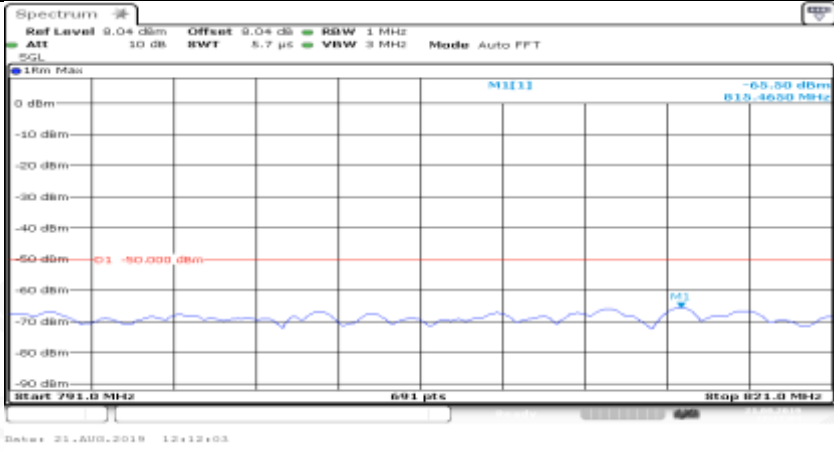
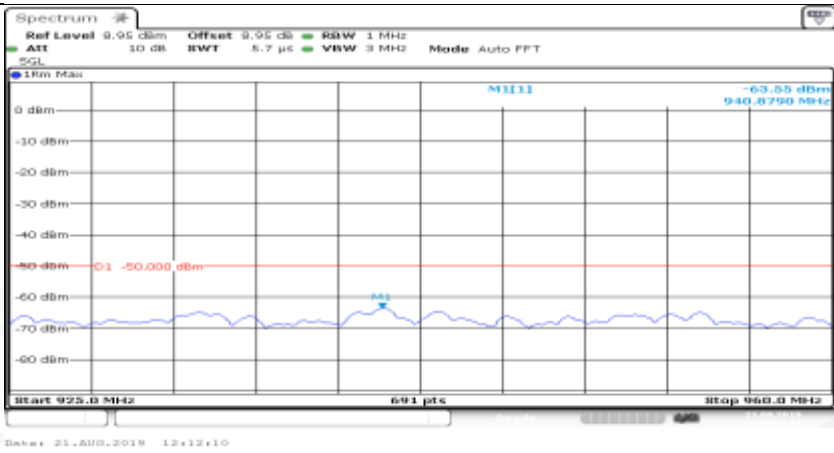
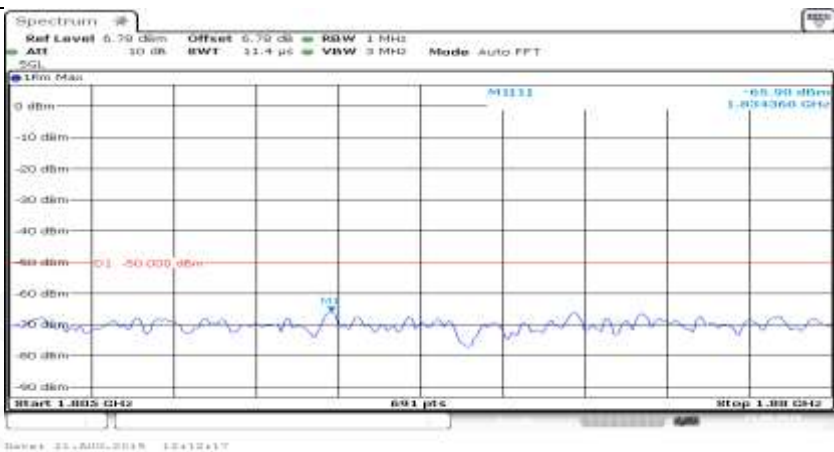
General	
General	
General	



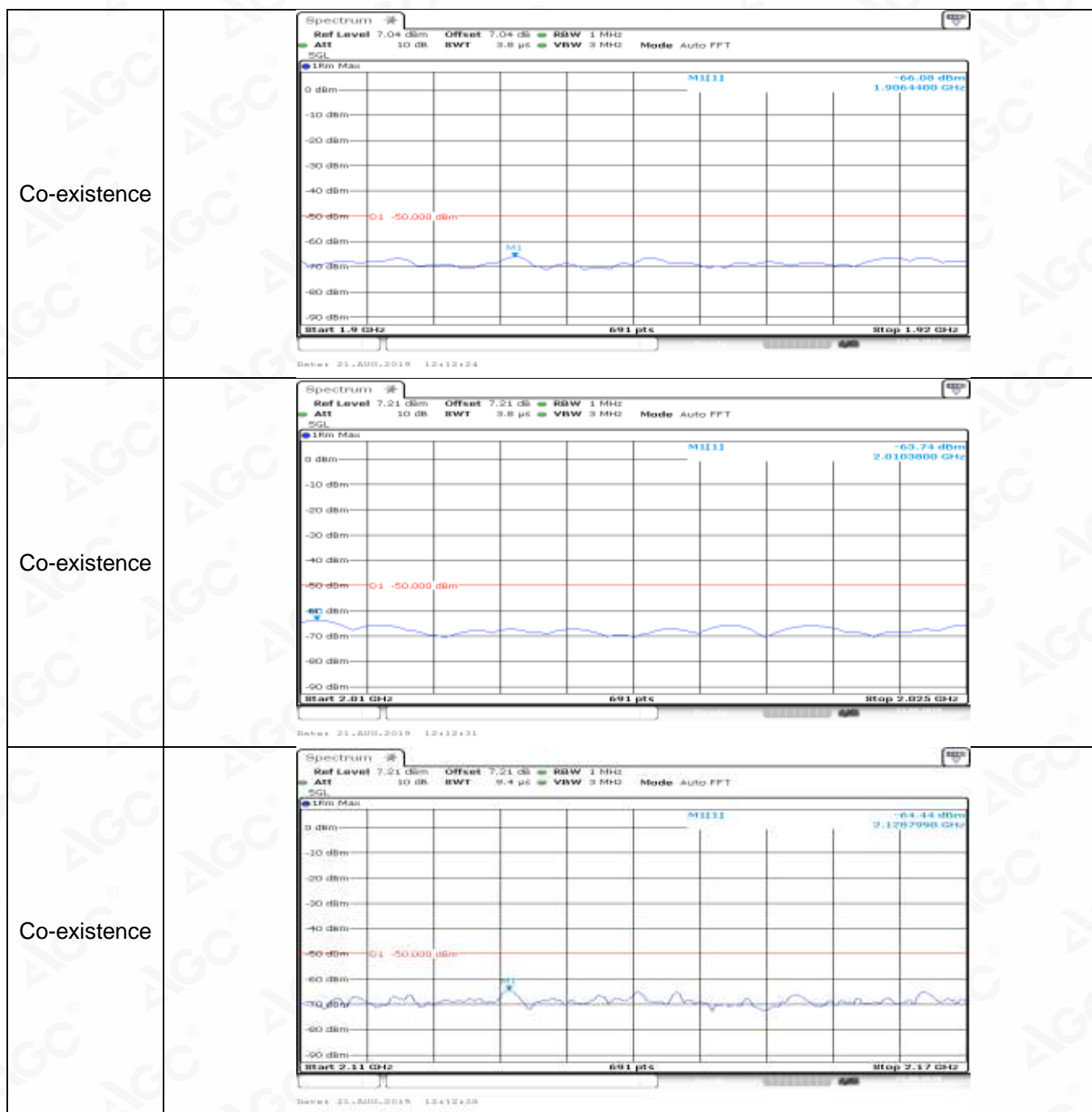


General	
General	
General	

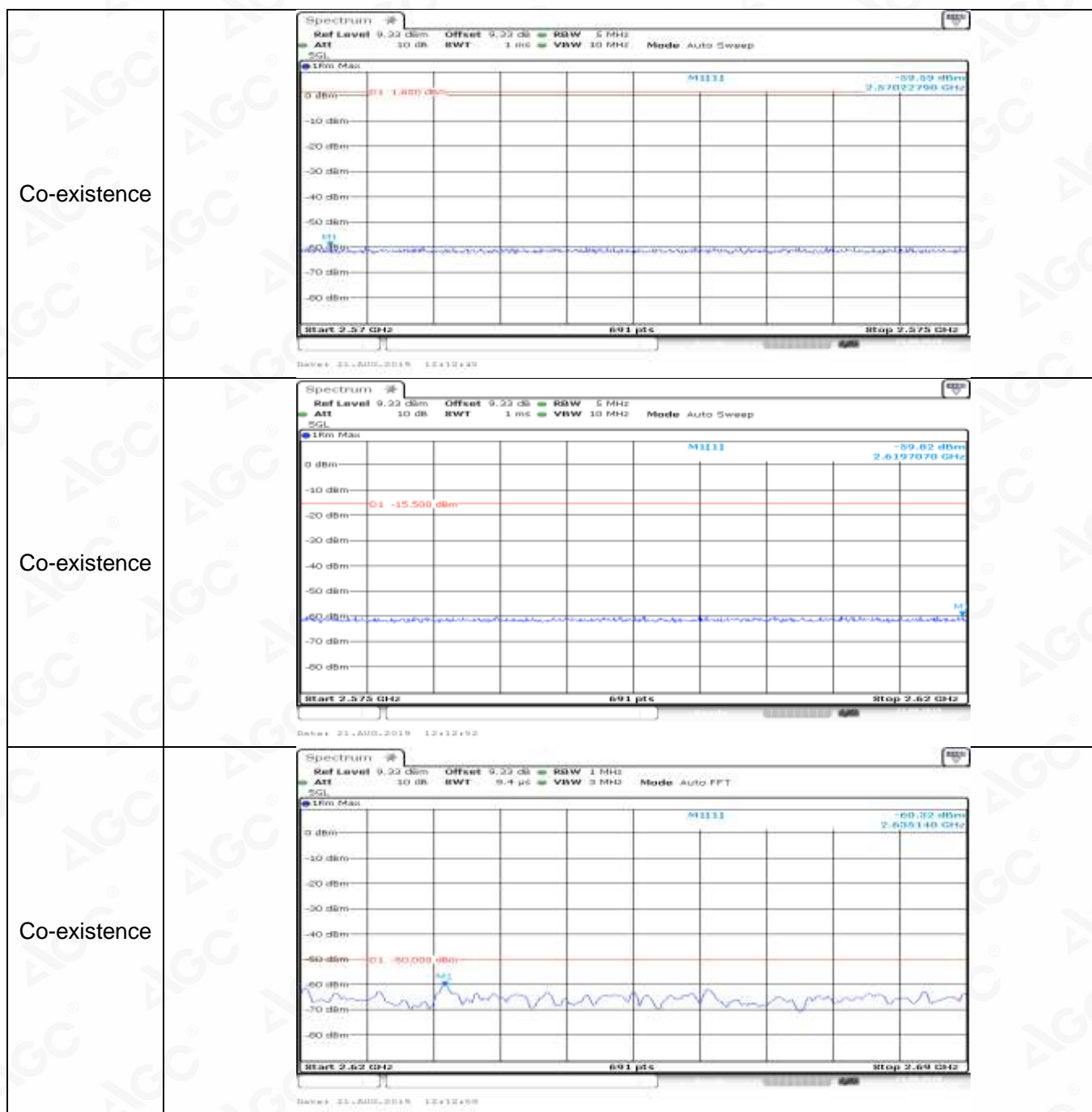


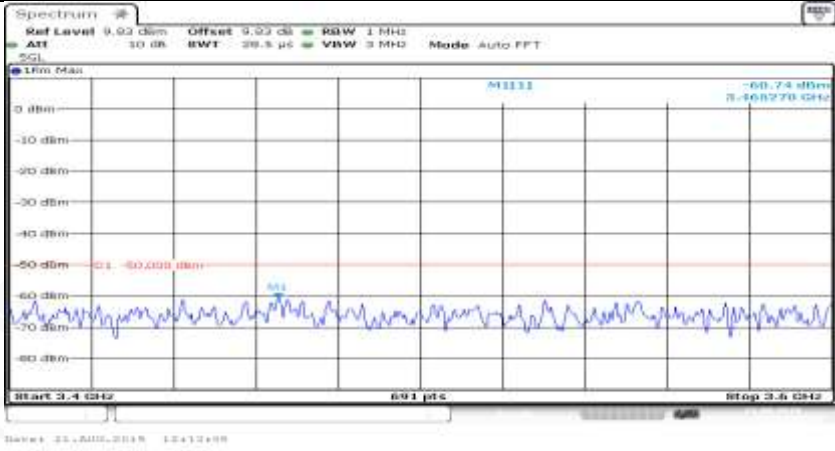

Co-existence	
Co-existence	
Co-existence	



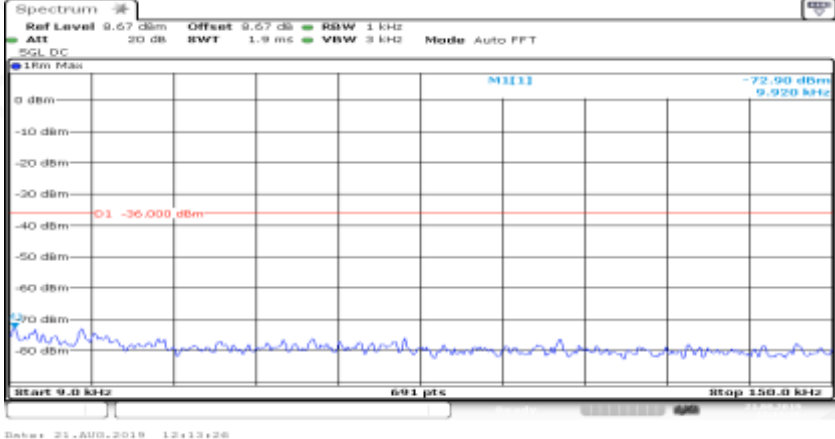


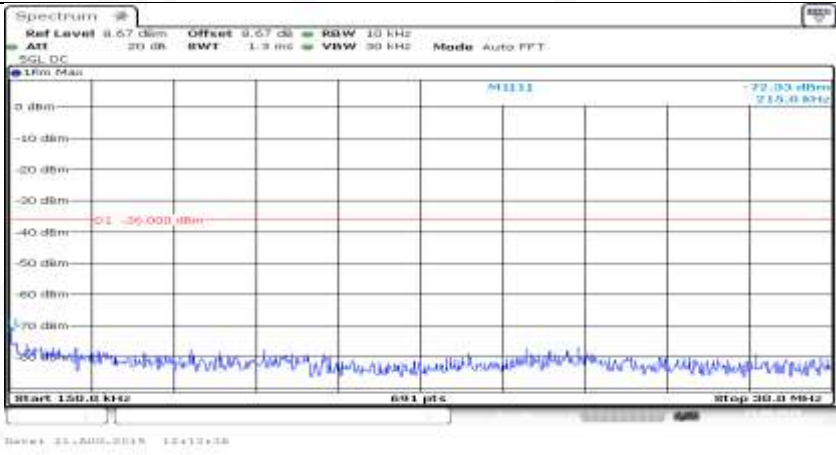
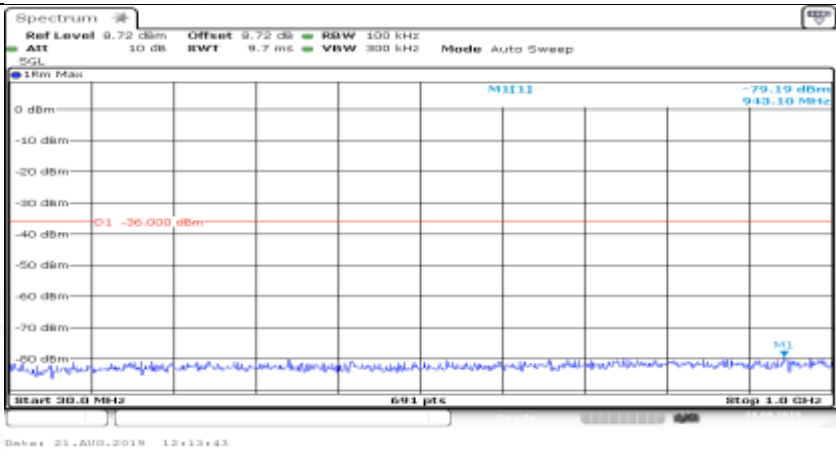
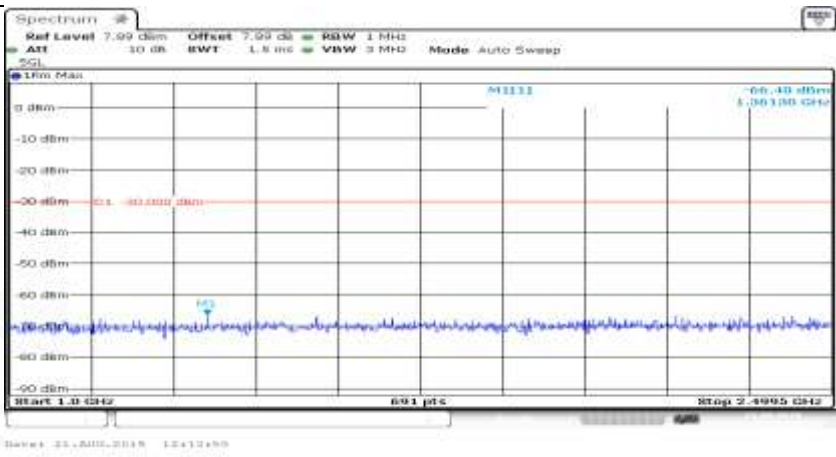




Co-existence	
Co-existence	
Additional	NA

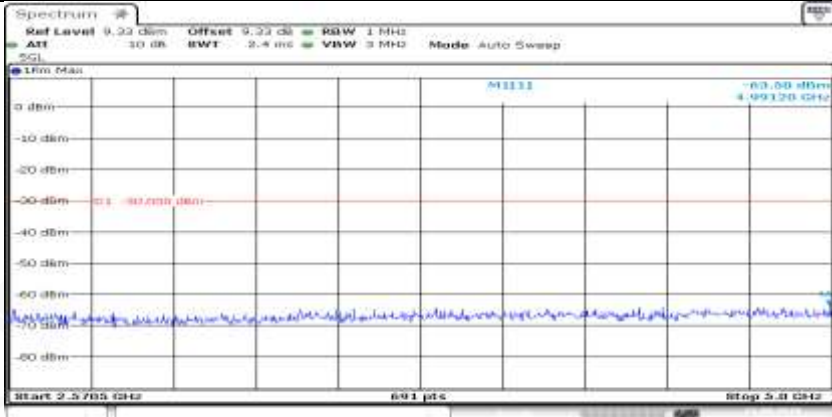
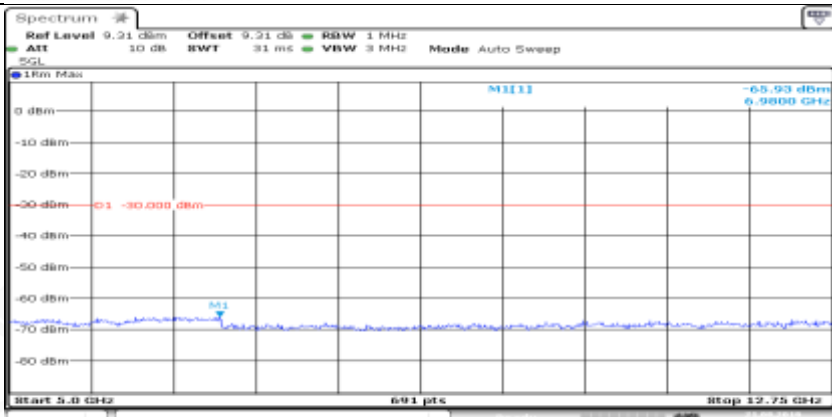

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0

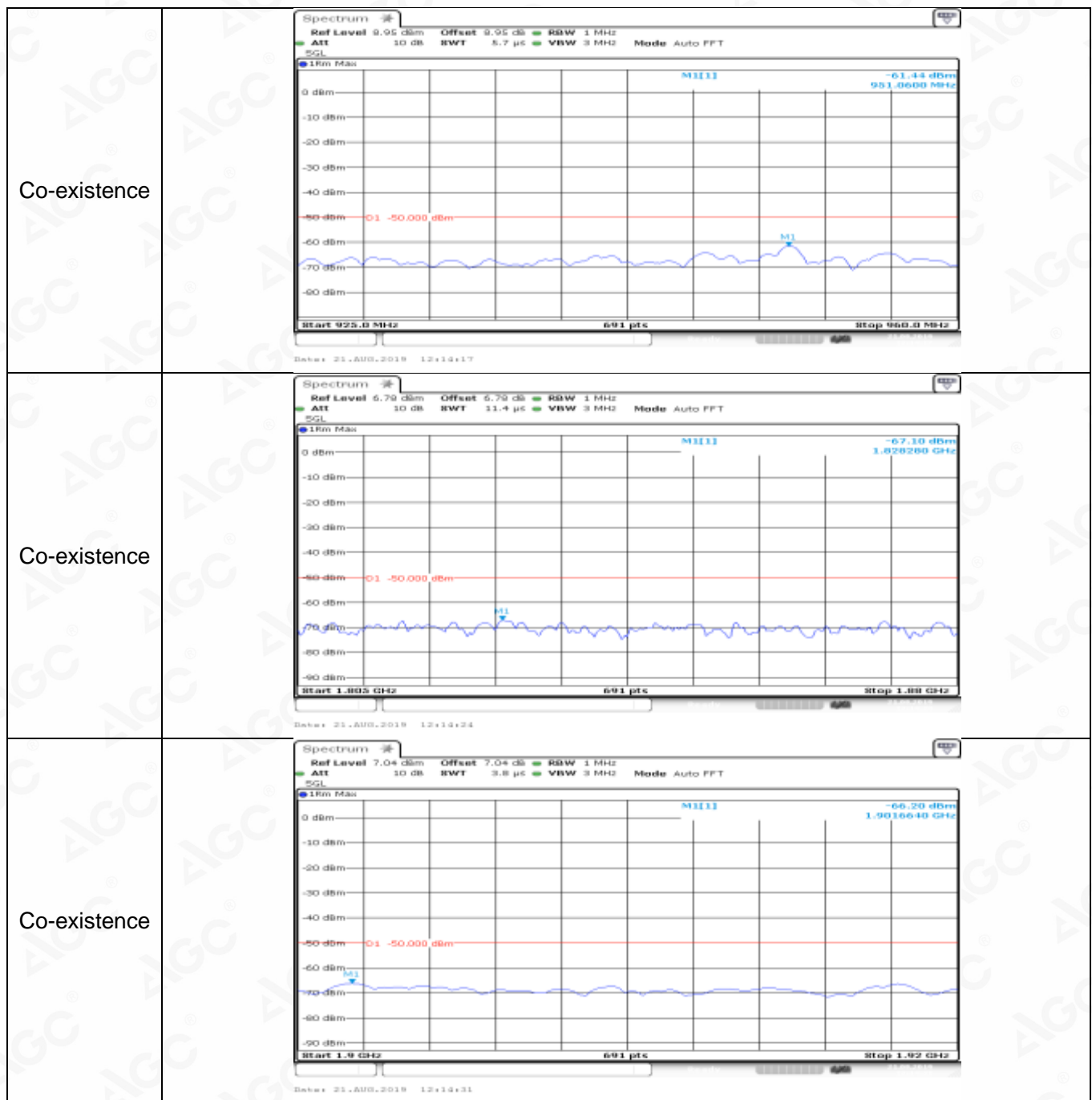
General	
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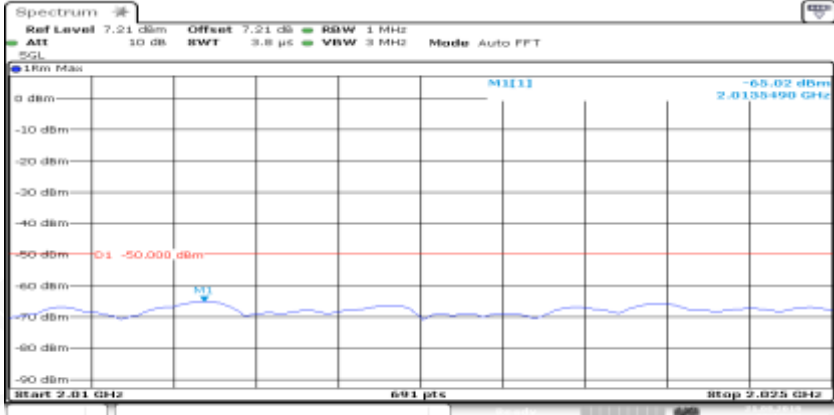
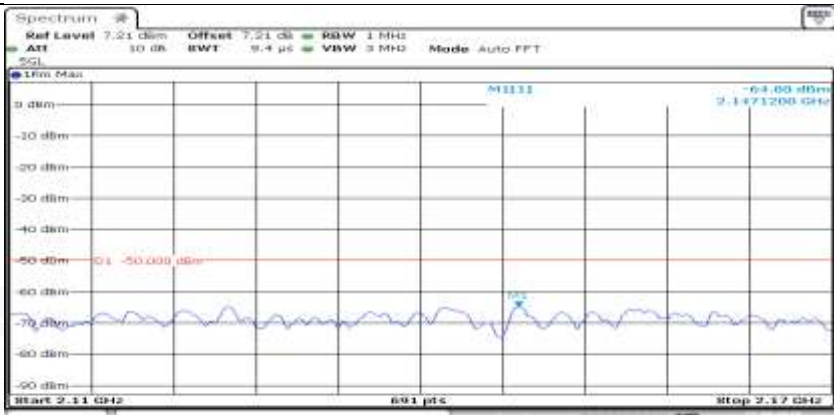
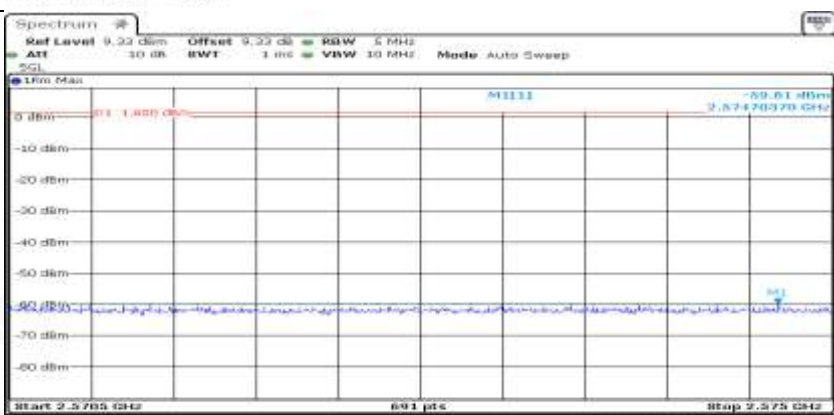
General	
General	
General	





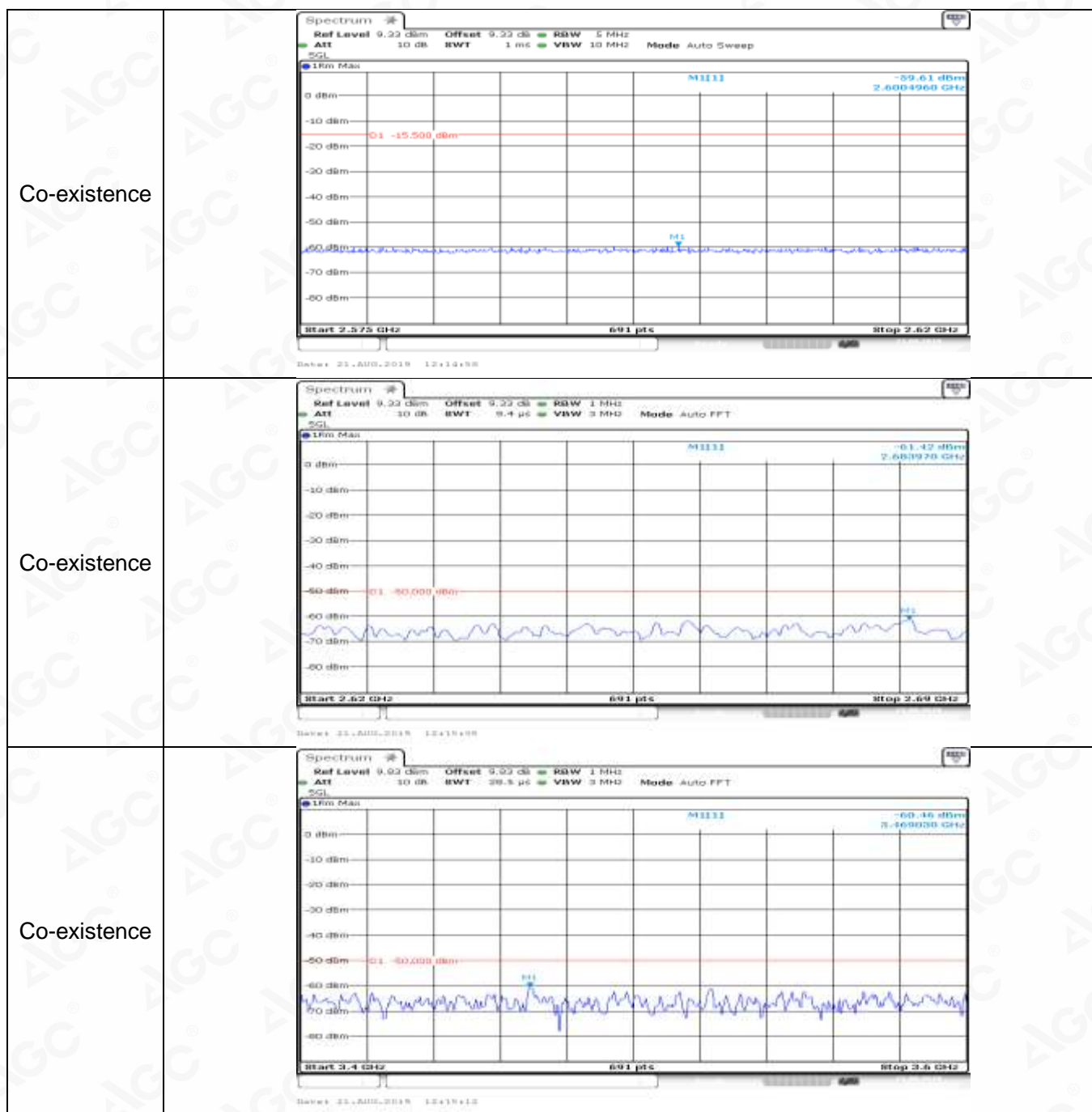
General	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB BW 1 MHz</p> <p>ATT 10 dB BW 2.4 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 2.5705 GHz Stop 3.0 GHz</p> <p>641 pts</p> <p>Date: 21.AUG.2018 12:12:58</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 31 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>641 pts</p> <p>Date: 21.AUG.2018 12:12:04</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 MHz VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>641 pts</p> <p>Date: 21.AUG.2018 12:12:10</p>

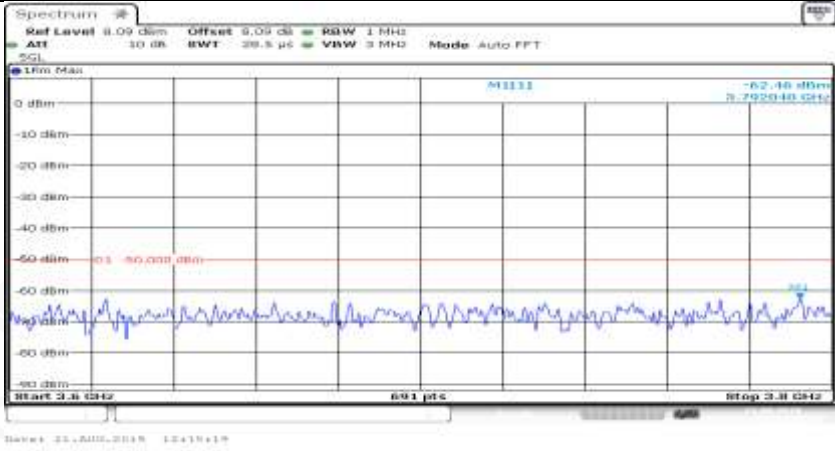


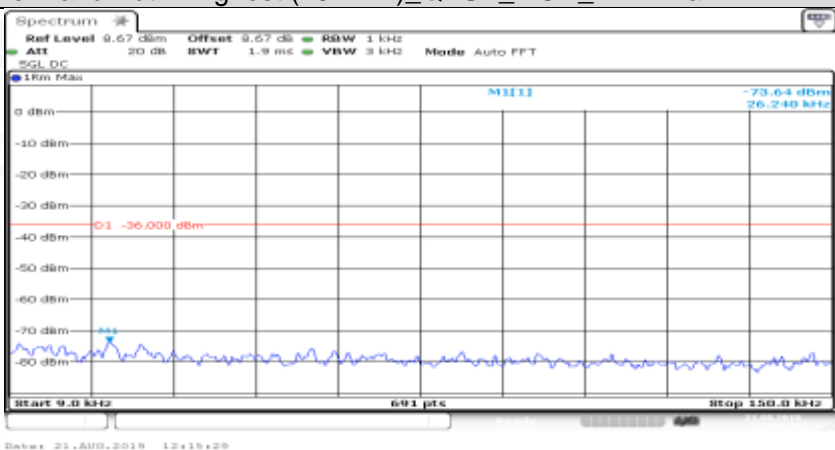
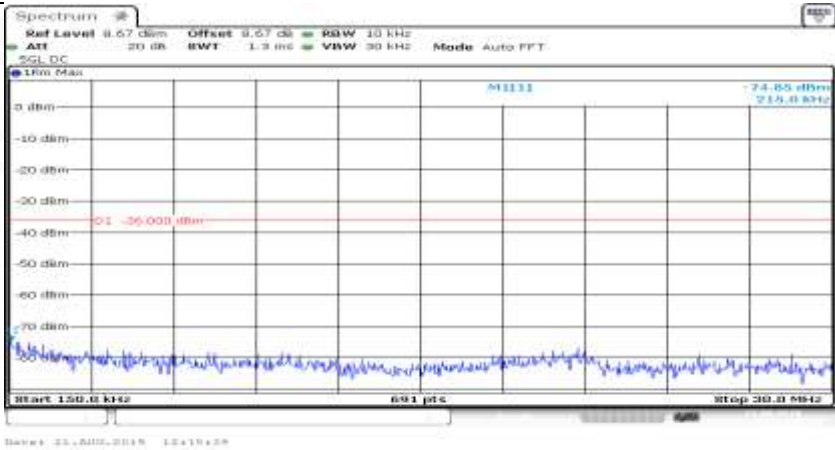
Co-existence	
Co-existence	
Co-existence	

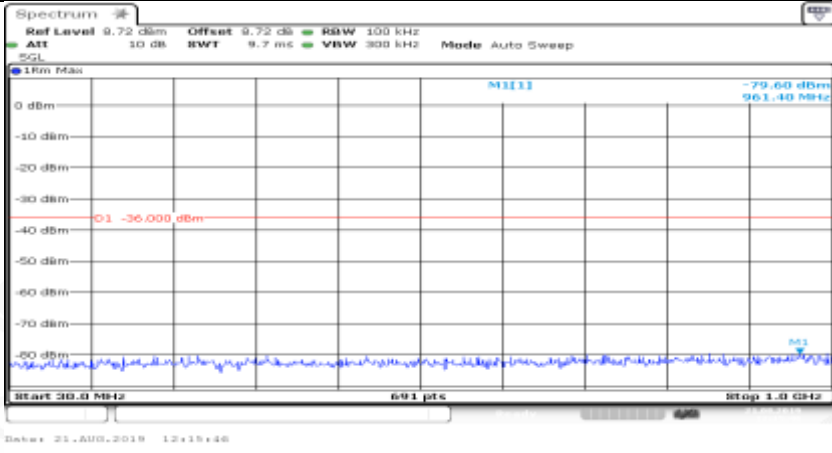
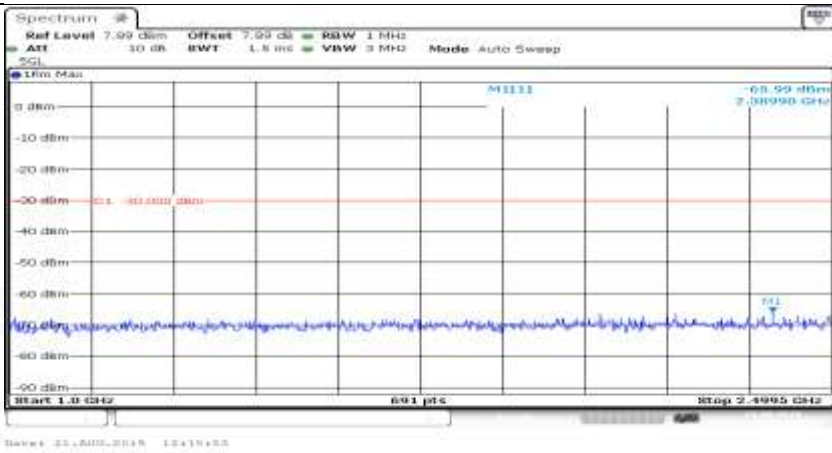
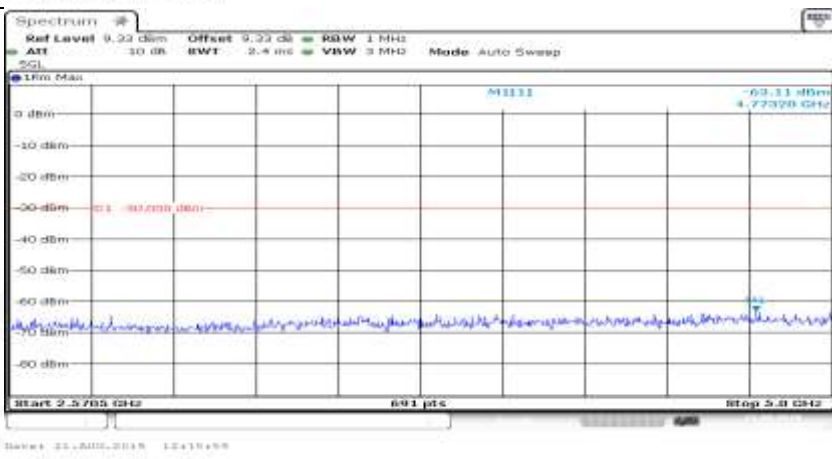






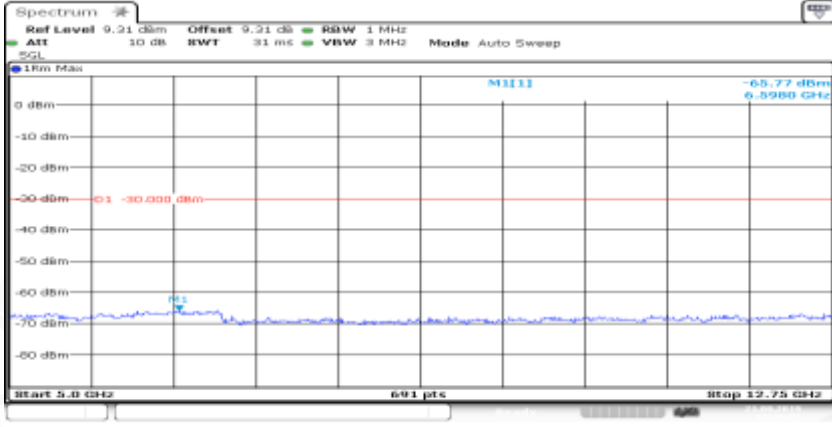
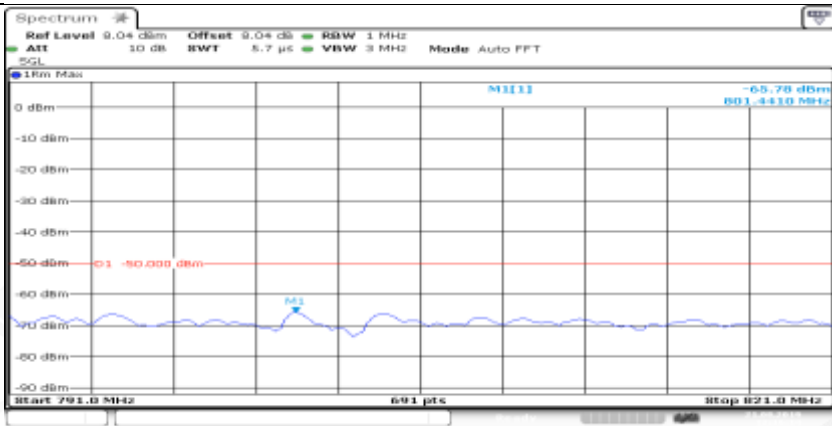
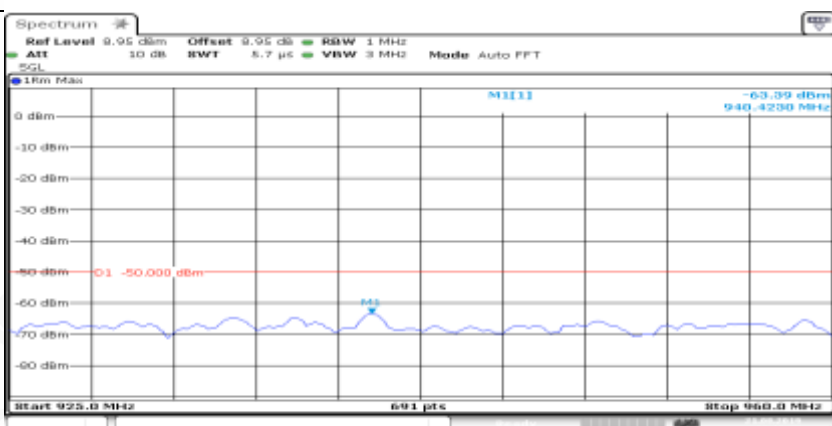
Co-existence	
Additional	NA

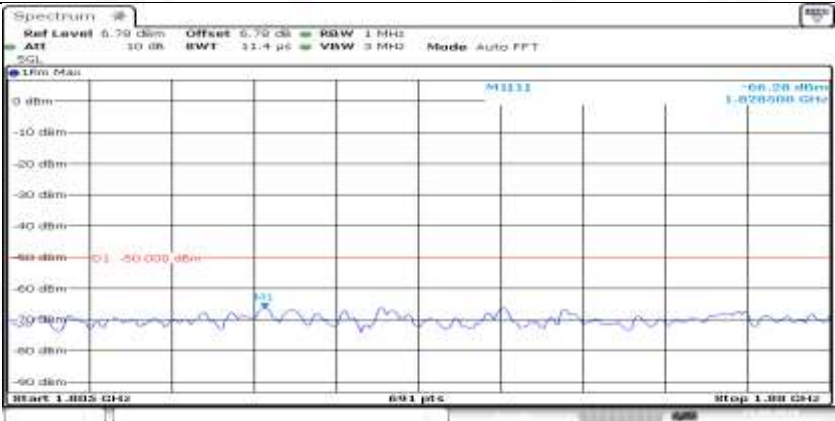
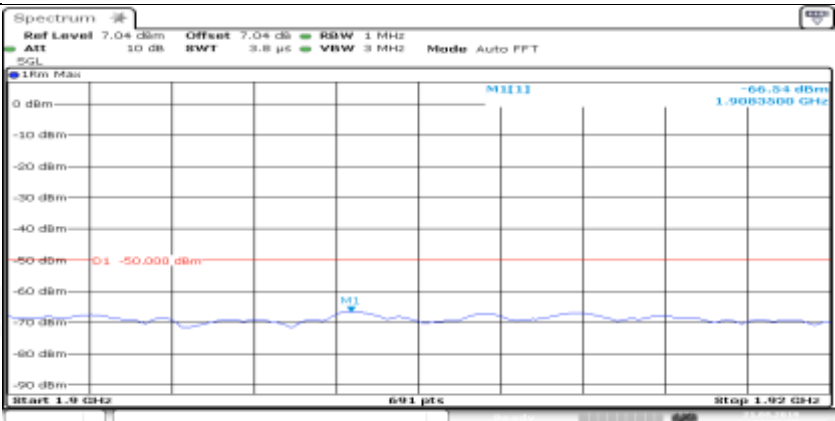
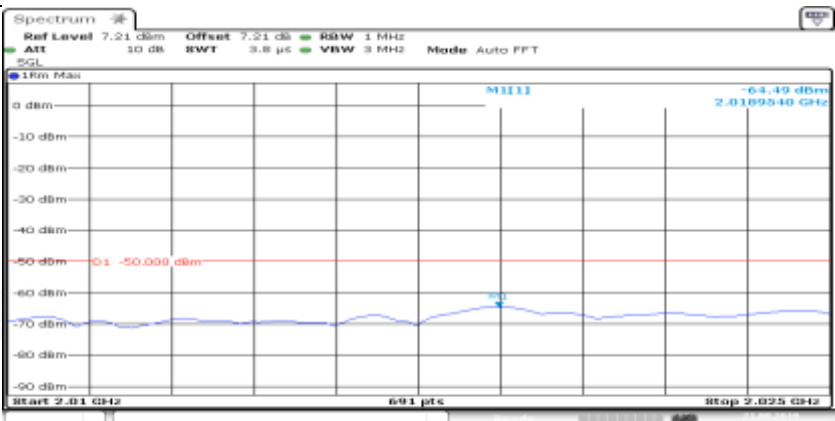
Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	
General	


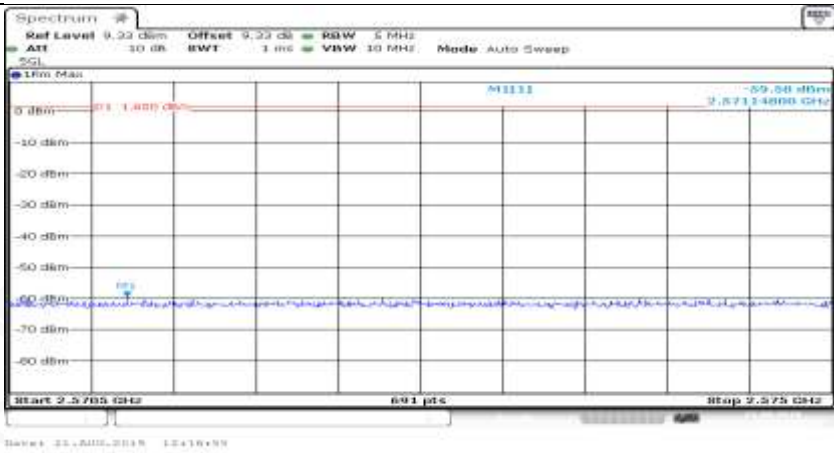
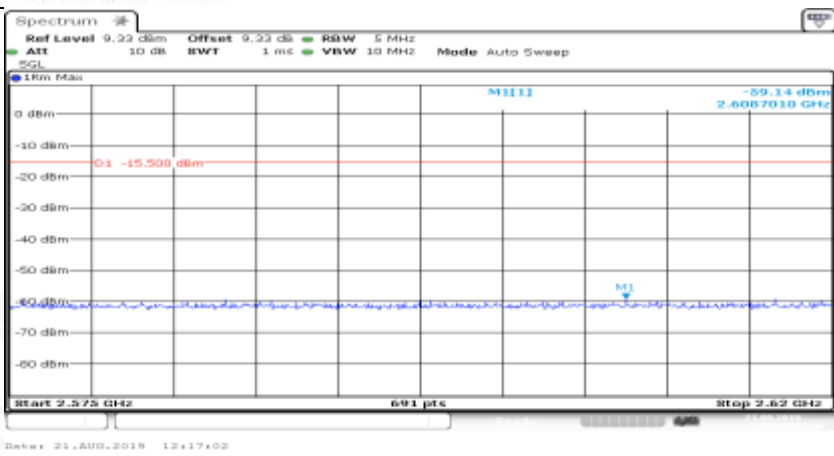
General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 9.72 dBm, Offset 9.72 dB, RBW 100 kHz, ATT 10 dB, BW 9.7 ms, VBW 300 kHz, Mode Auto Sweep. The plot shows a flat line at approximately -36.000 dBm across the frequency range from 20.0 MHz to 1.0 GHz. A red line indicates the noise floor at -36.000 dBm. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 20.0 MHz to 1.0 GHz. A date stamp 'Date: 21.AUG.2018 12:15:40' is visible at the bottom.</p>
General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 7.99 dBm, Offset 7.99 dB, RBW 1 MHz, ATT 10 dB, BW 1.8 ms, VBW 3 MHz, Mode Auto Sweep. The plot shows a flat line at approximately -40.000 dBm across the frequency range from 1.0 GHz to 4.0 GHz. A red line indicates the noise floor at -40.000 dBm. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 1.0 GHz to 4.0 GHz. A date stamp 'Date: 21.AUG.2018 12:15:53' is visible at the bottom.</p>
General	 <p>Spectrum plot showing frequency response. Parameters: Ref Level 9.22 dBm, Offset 9.22 dB, RBW 1 MHz, ATT 10 dB, BW 2.4 ms, VBW 3 MHz, Mode Auto Sweep. The plot shows a flat line at approximately -40.000 dBm across the frequency range from 2.5705 GHz to 5.0 GHz. A red line indicates the noise floor at -40.000 dBm. The y-axis ranges from 0 dBm to -70 dBm. The x-axis ranges from 2.5705 GHz to 5.0 GHz. A date stamp 'Date: 21.AUG.2018 12:15:56' is visible at the bottom.</p>





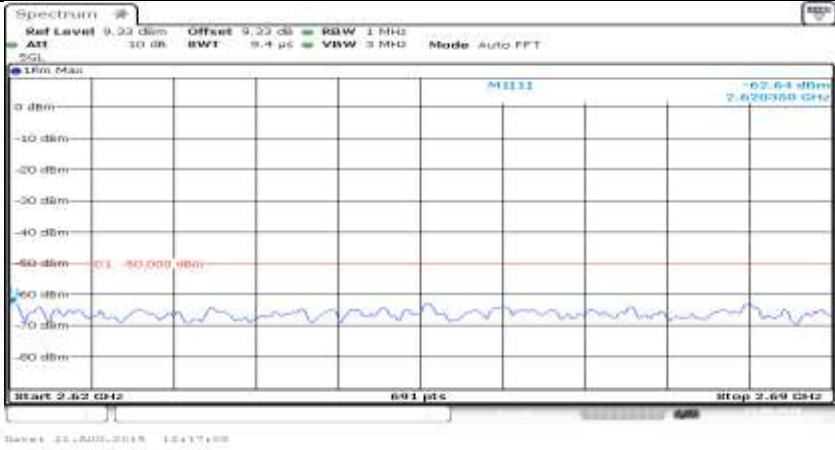
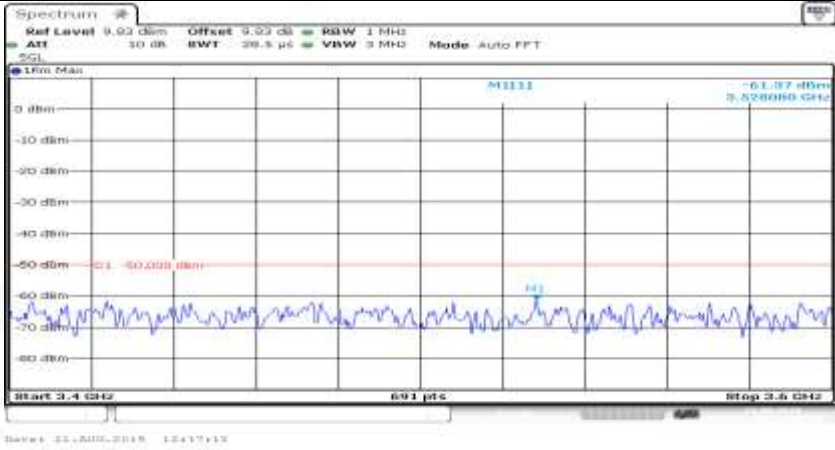
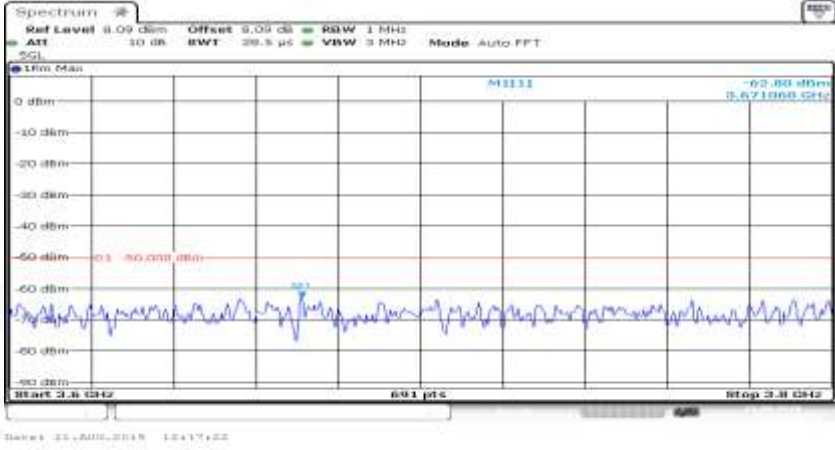
General	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

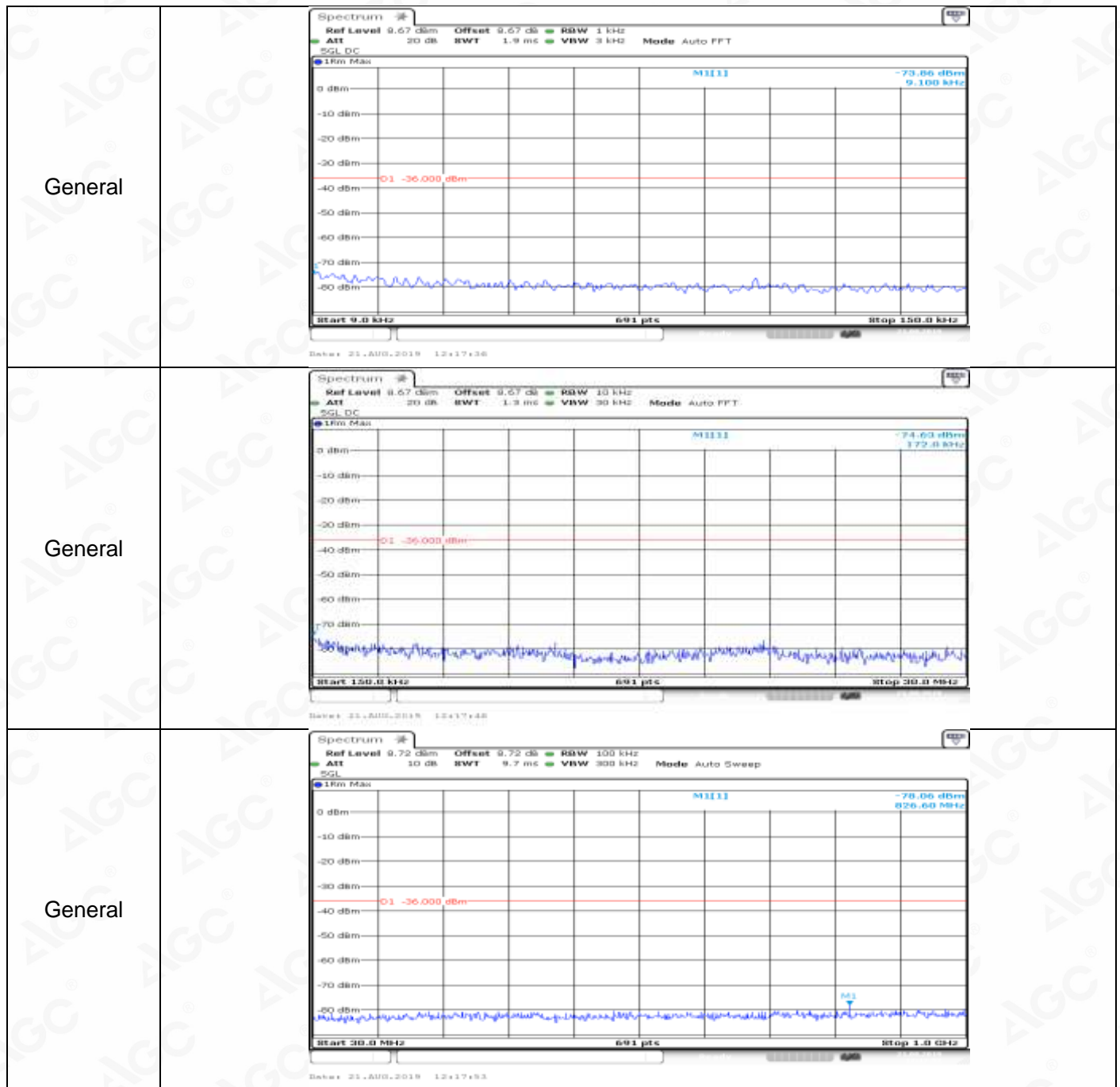
Co-existence	
Co-existence	
Co-existence	

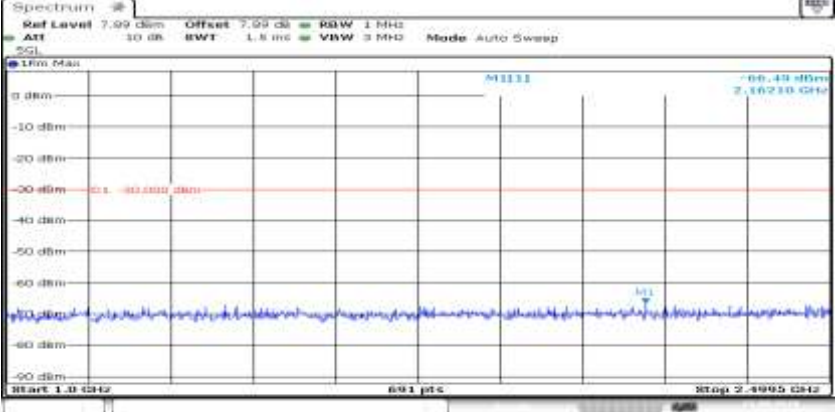
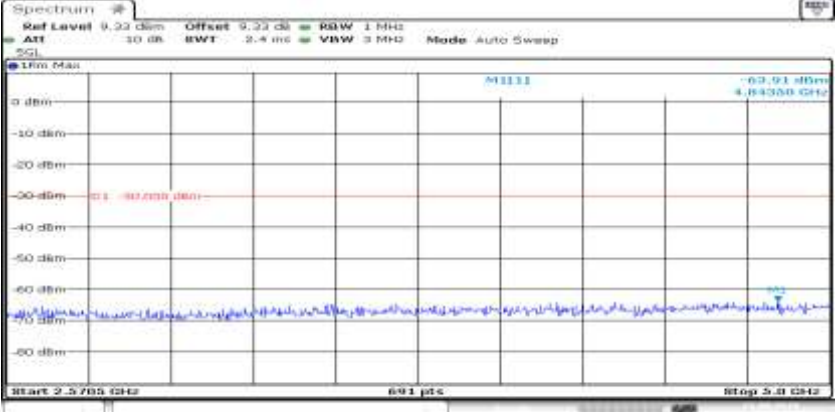
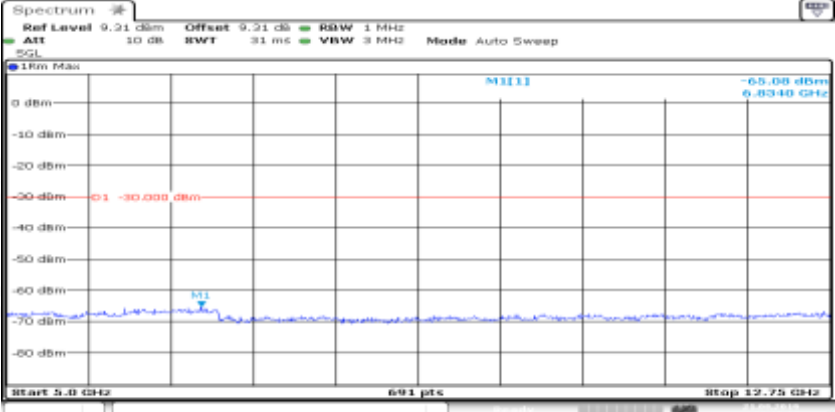




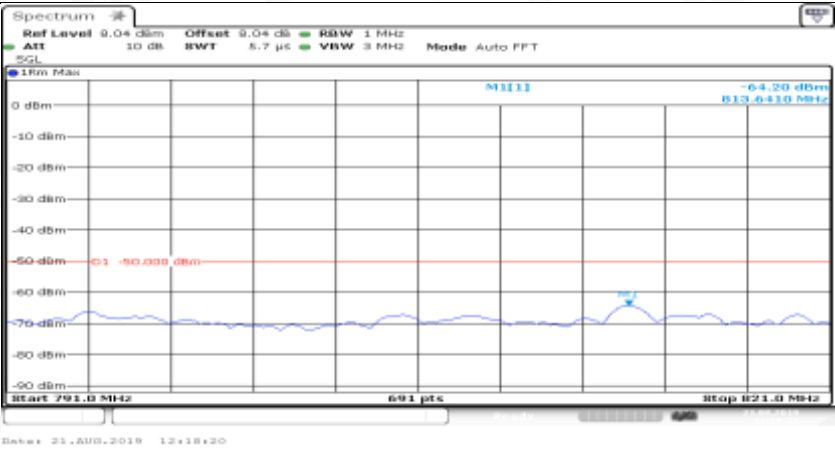
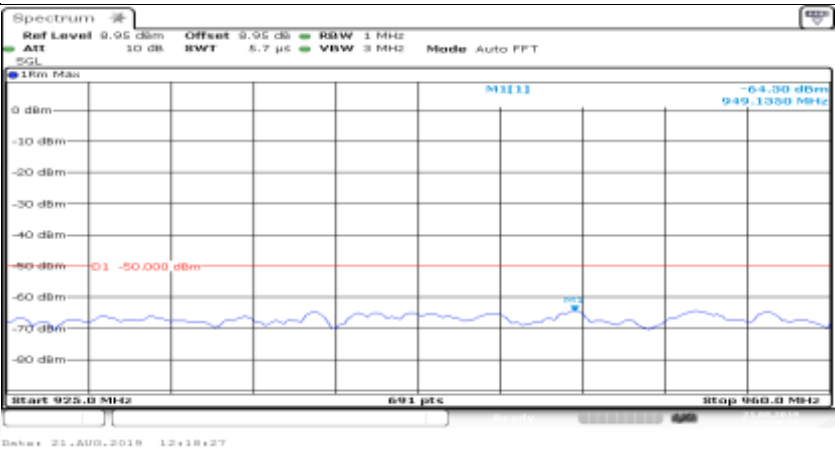

Co-existence	
Co-existence	
Co-existence	
Additional	NA

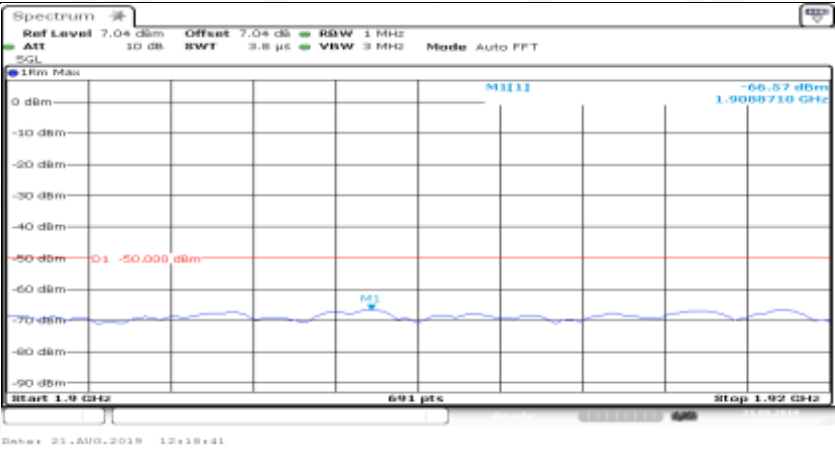
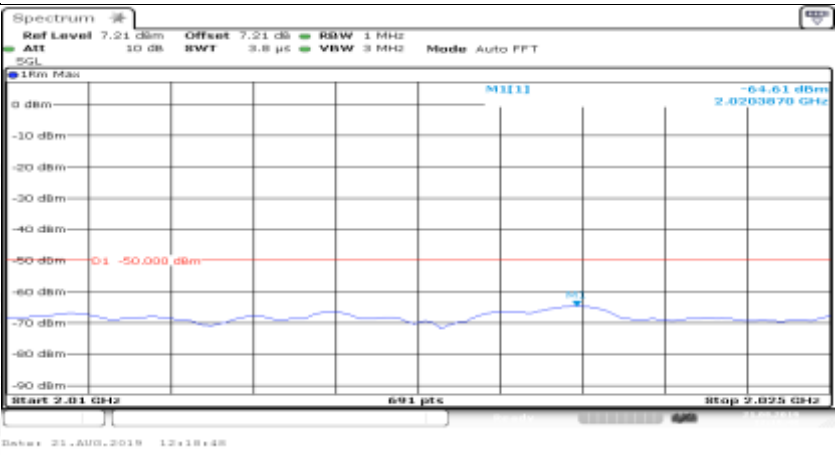

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_FullRB#0

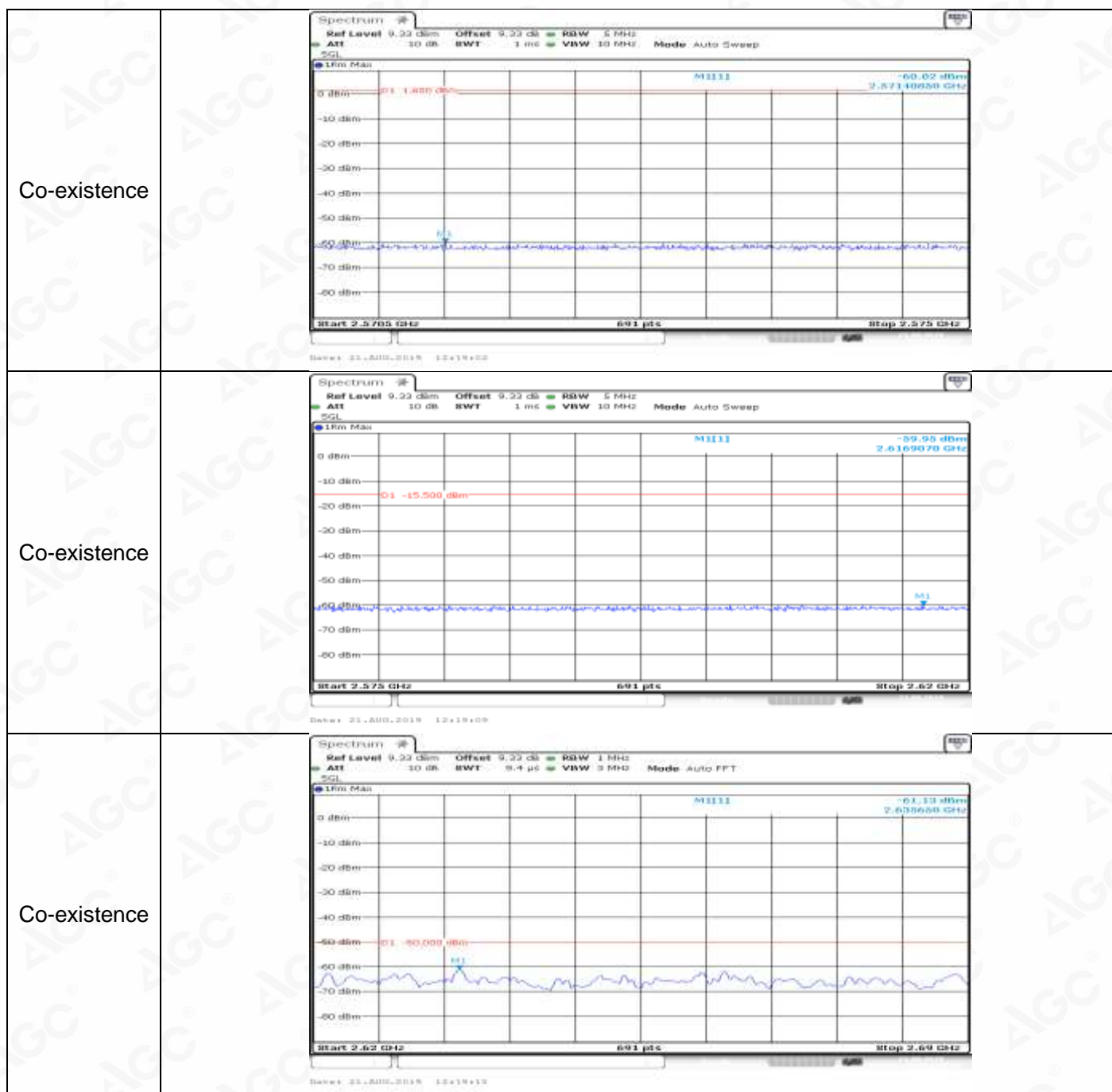


General	
General	
General	


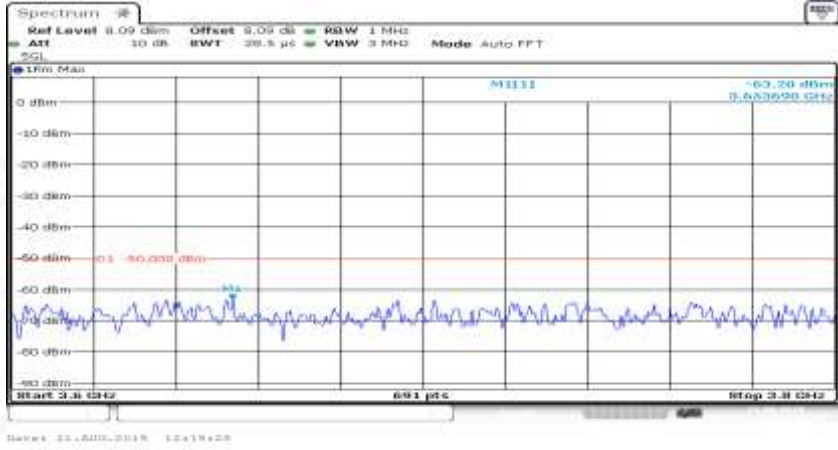


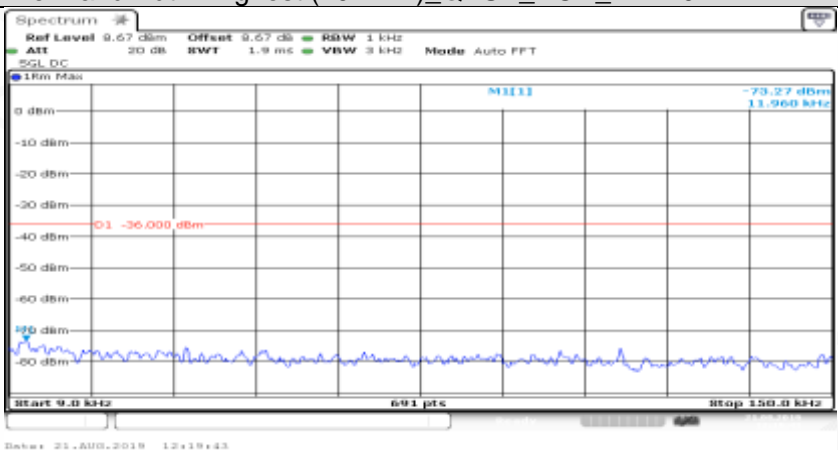
Co-existence	
Co-existence	
Co-existence	

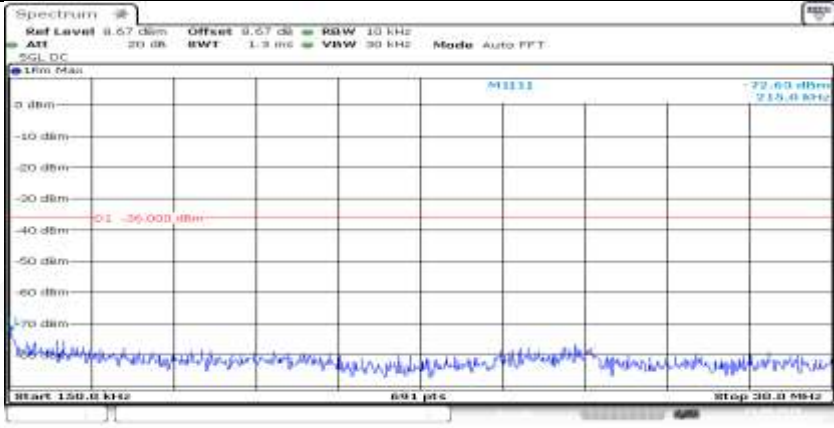
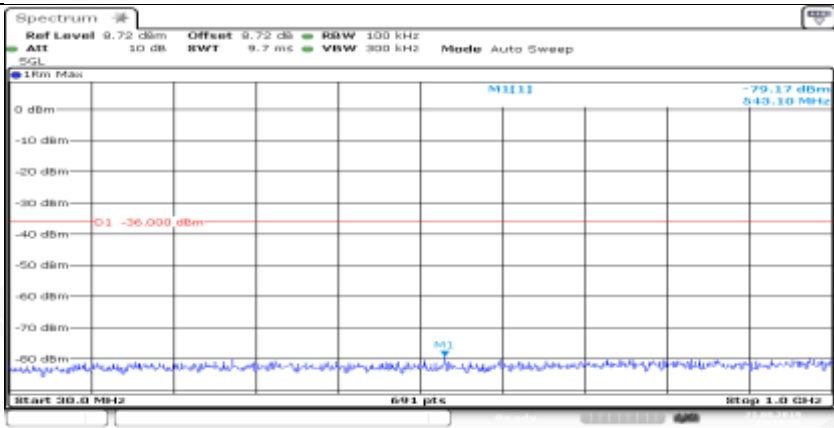
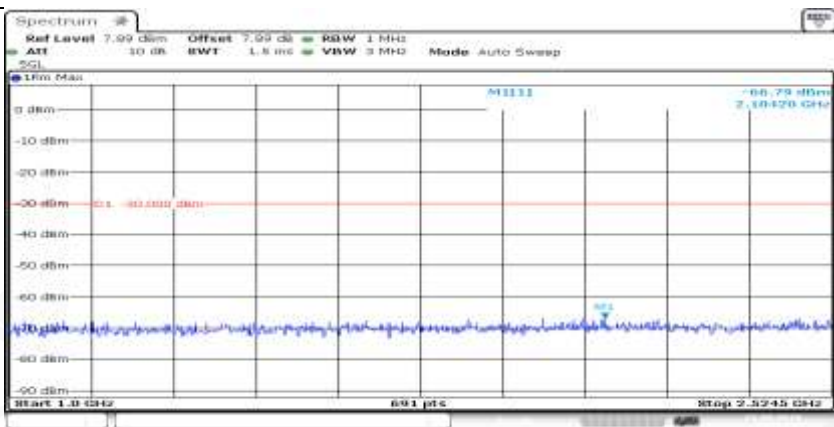
Co-existence	
Co-existence	
Co-existence	



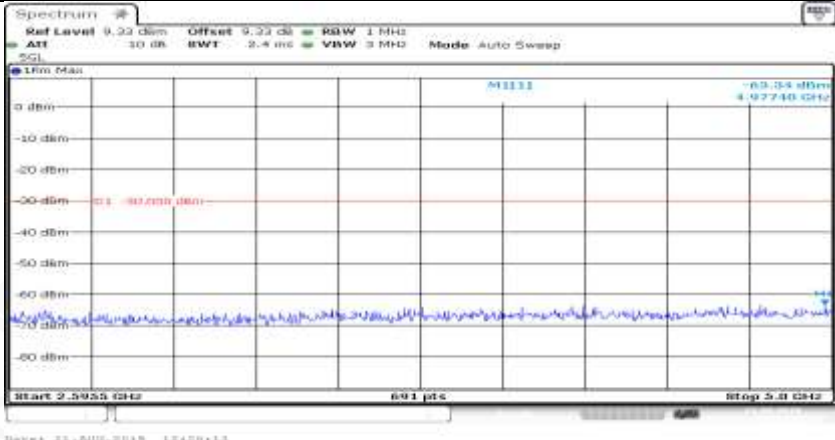
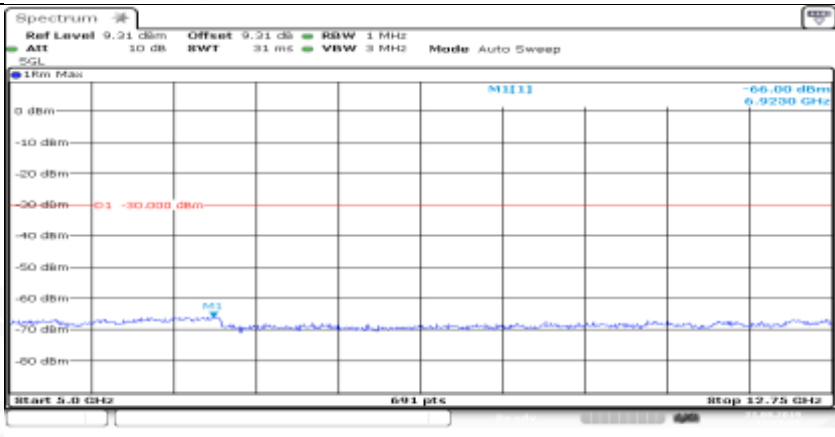



Co-existence	
Co-existence	
Additional	NA

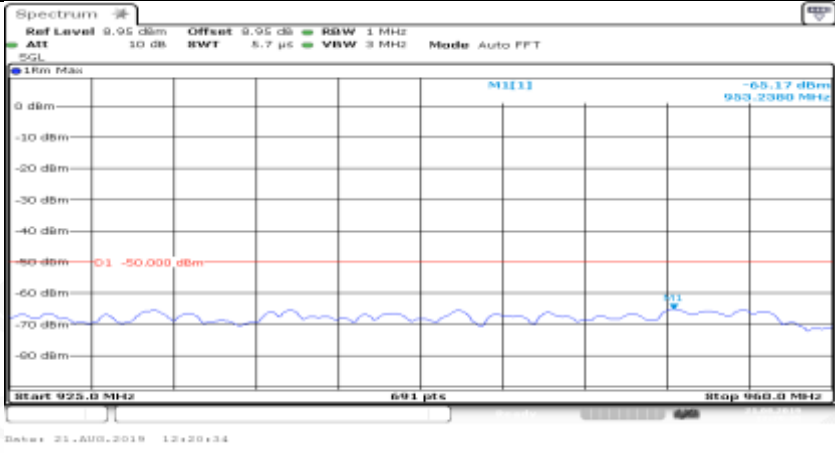
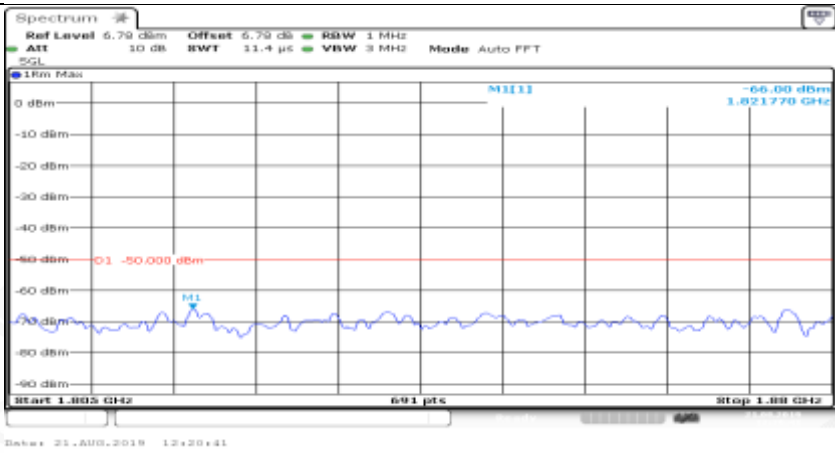
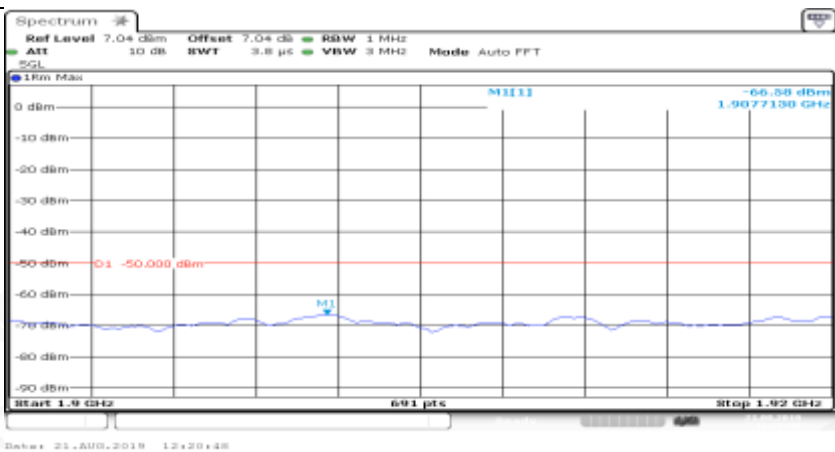
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#0	
General	

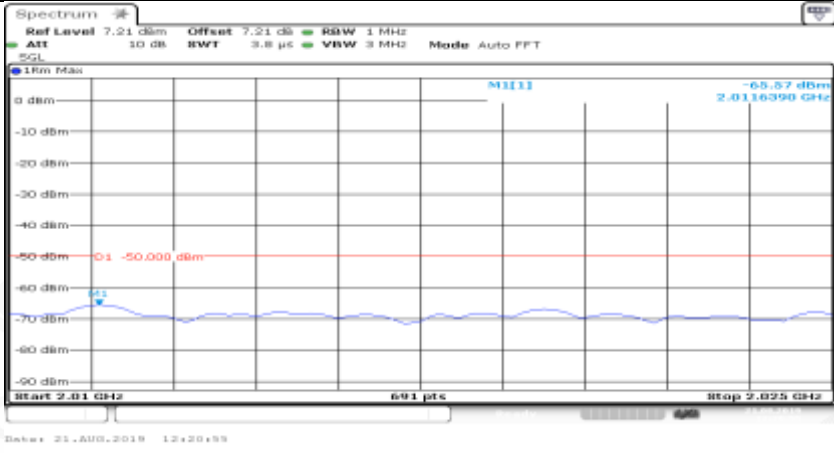

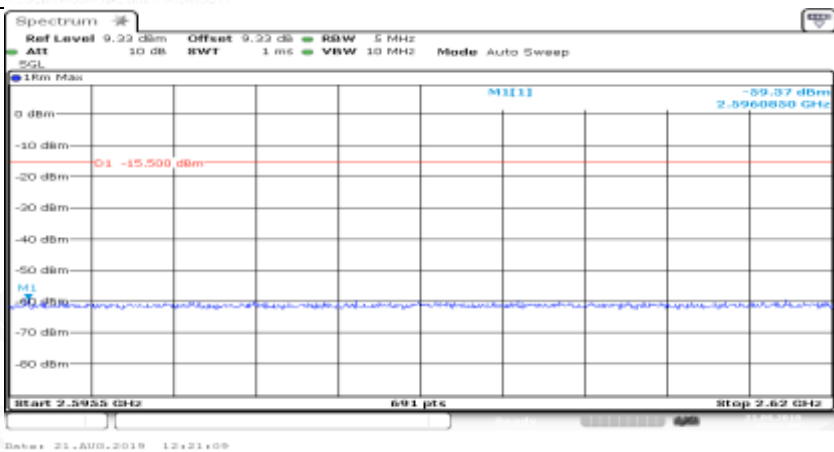
General	
General	
General	



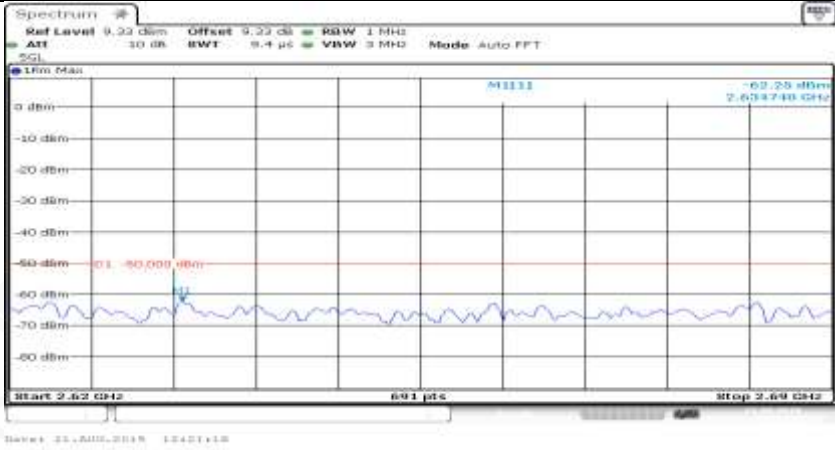
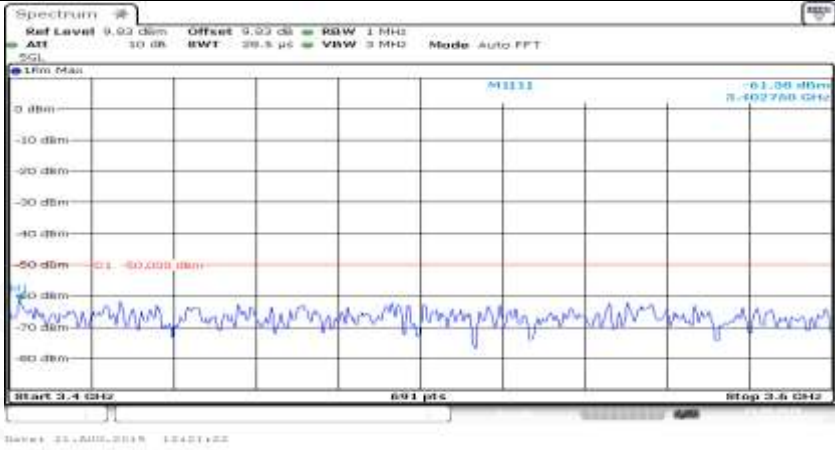
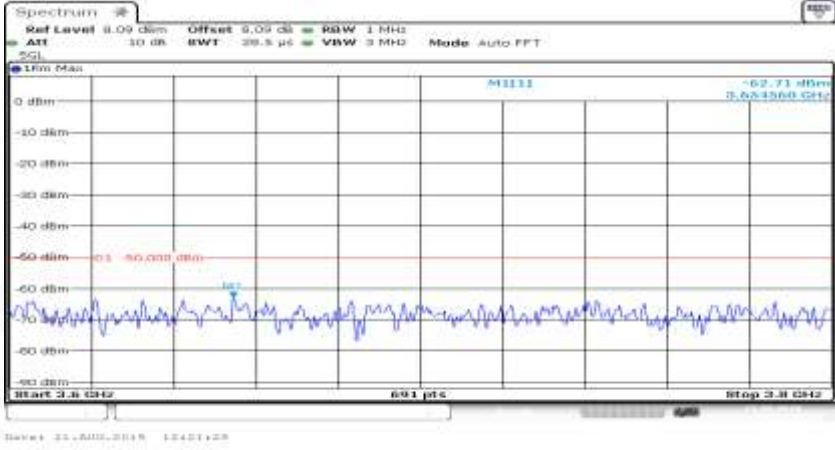
General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

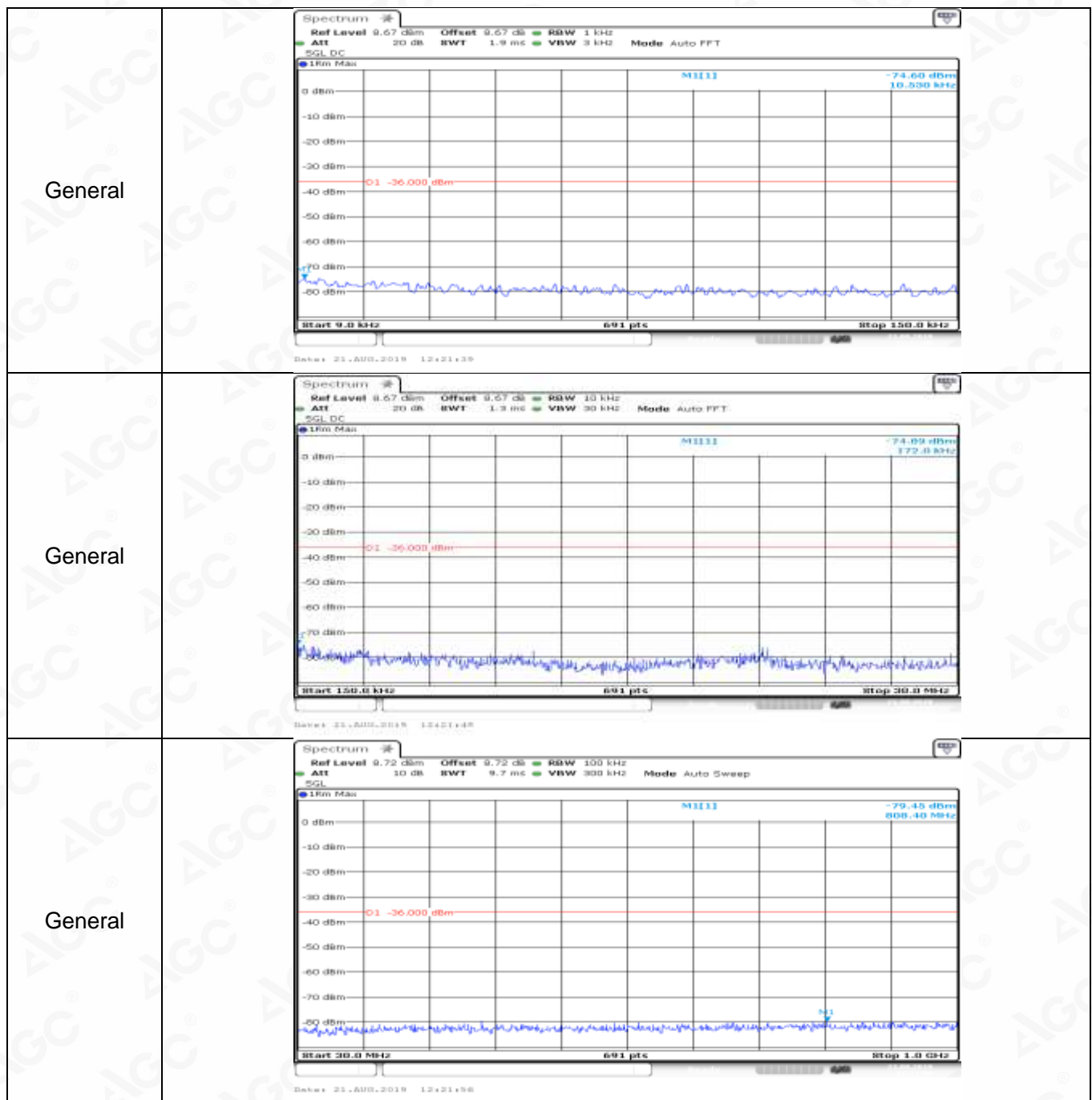
Co-existence	
Co-existence	
Co-existence	

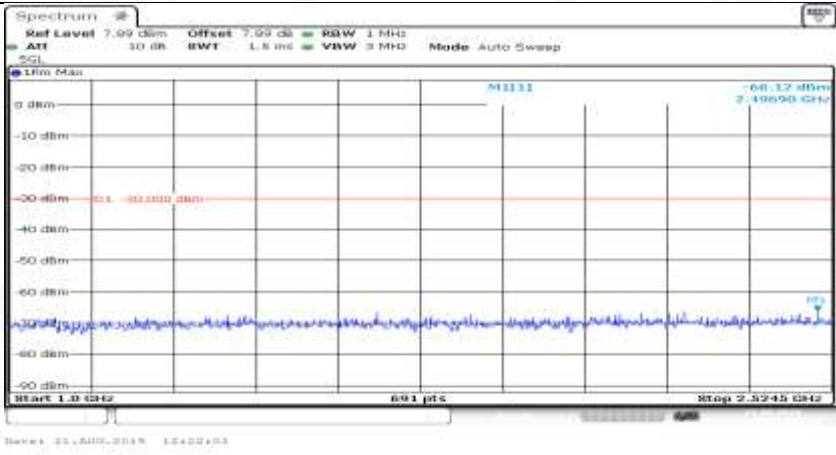
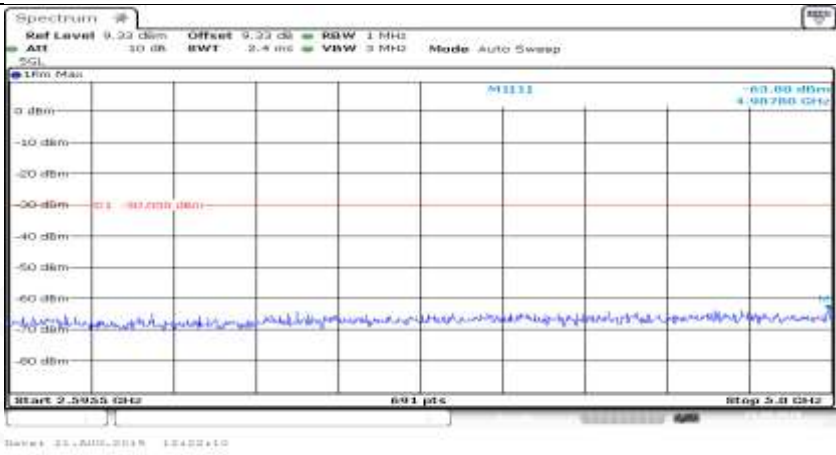
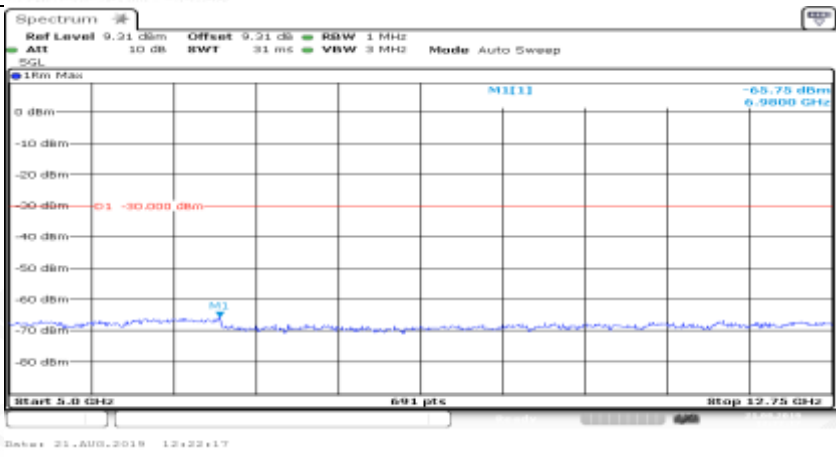


Co-existence	
Co-existence	
Co-existence	
Additional	NA

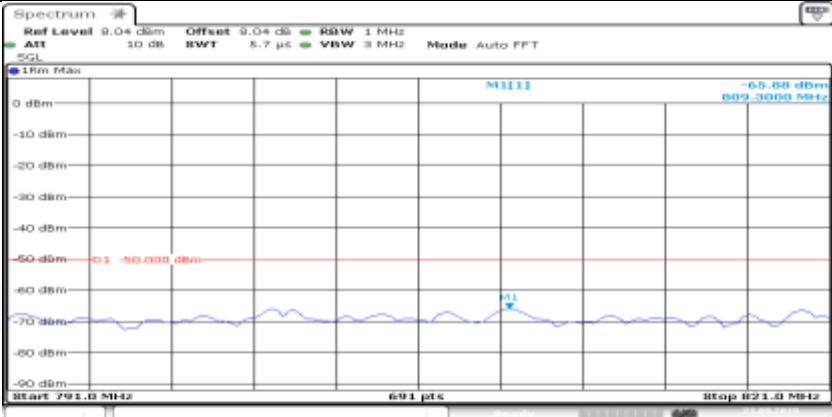

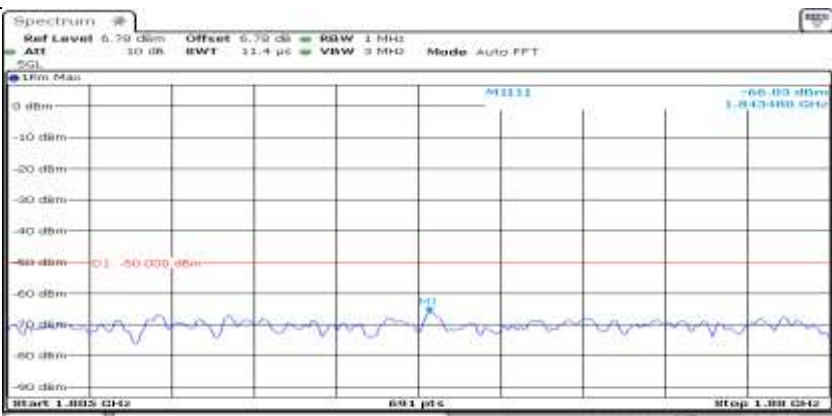
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#max



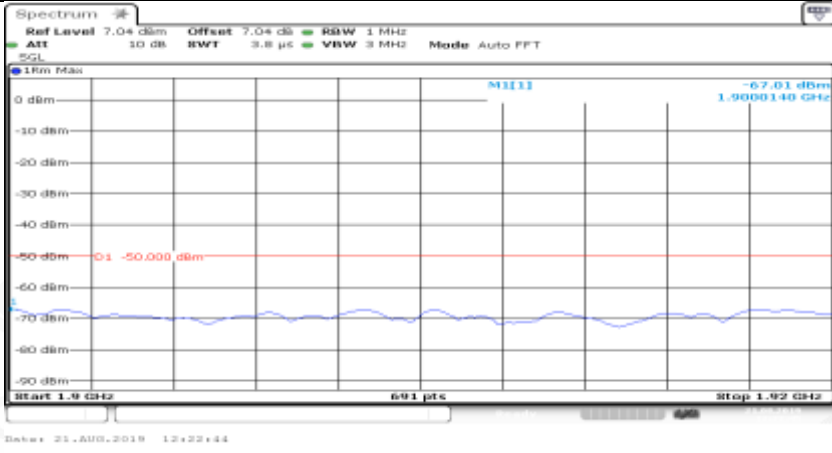
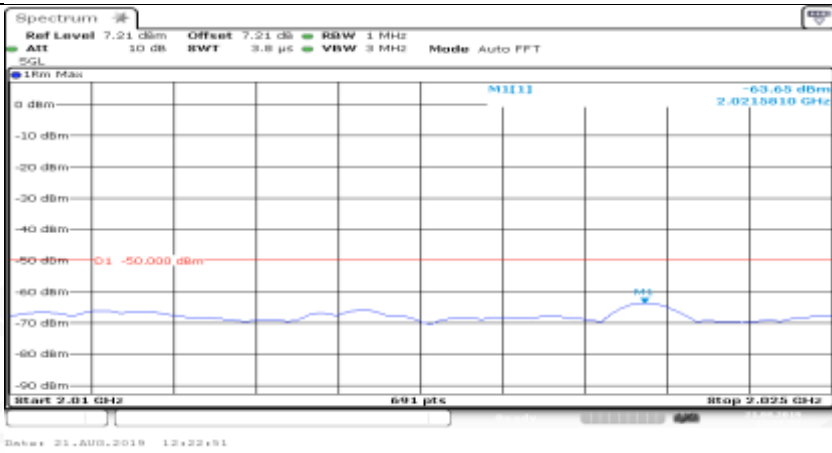
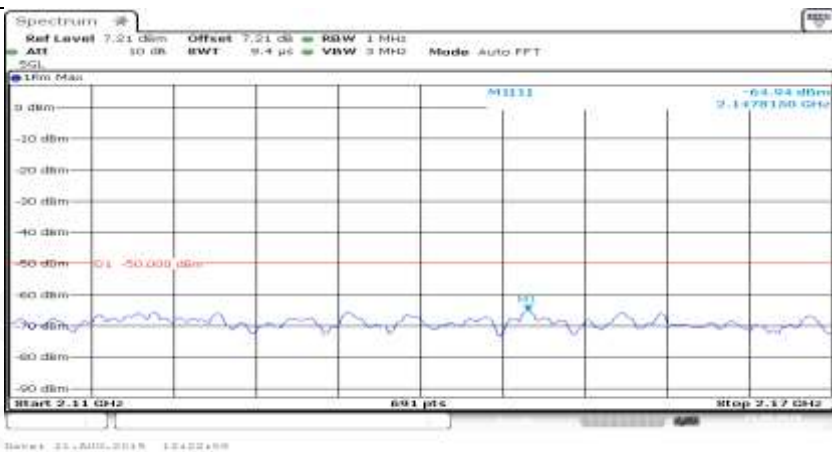


General	
General	
General	

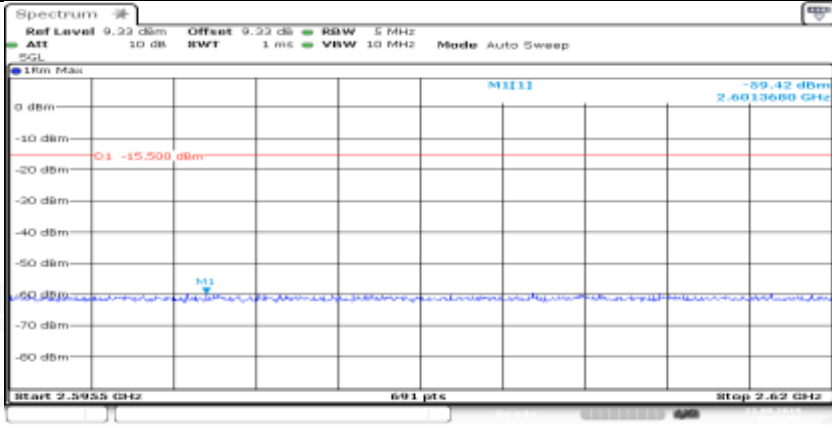

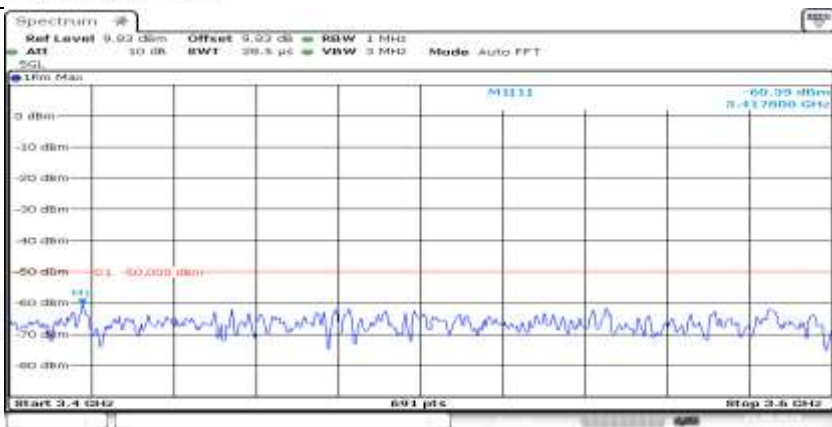


Co-existence	
Co-existence	
Co-existence	



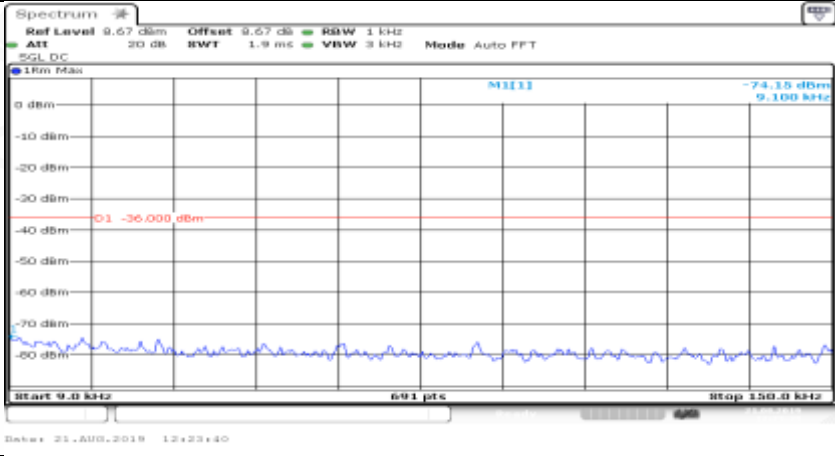
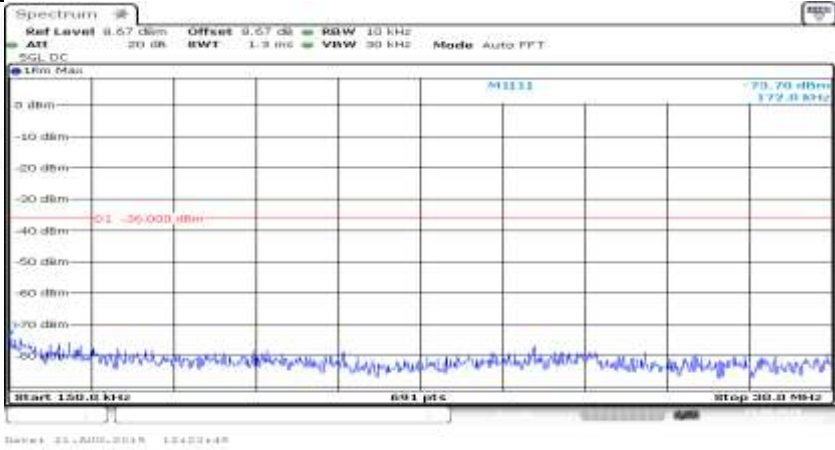
Co-existence	
Co-existence	
Co-existence	



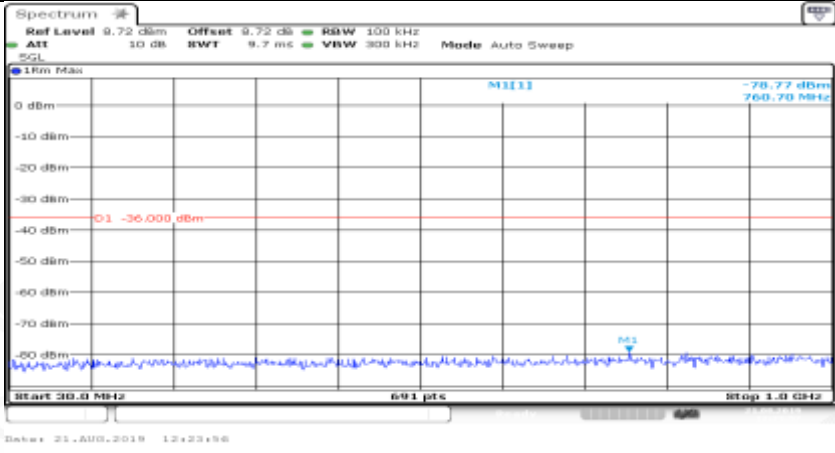
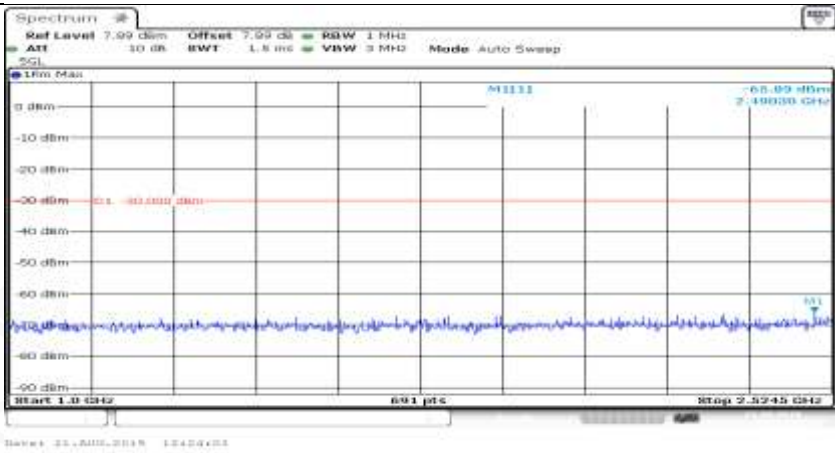
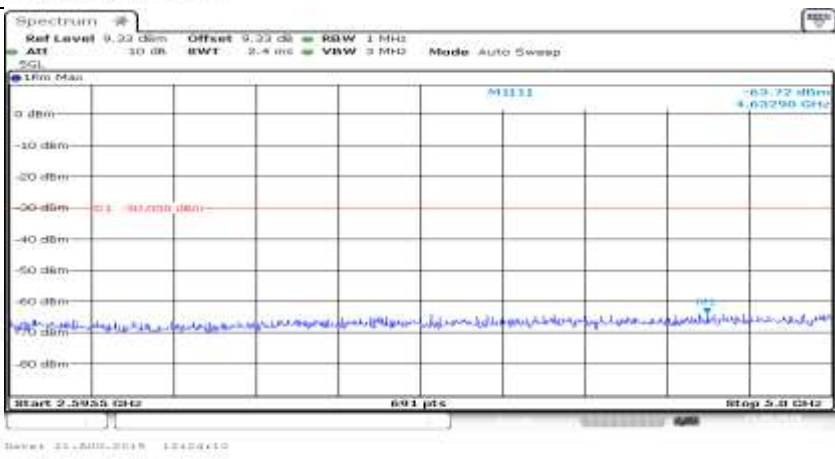
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 5 MHz</p> <p>ATT 10 dB BWT 1 ms VBW 10 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M1111</p> <p>-59.42 dBm</p> <p>2.6013680 GHz</p> <p>-15.500 dBm</p> <p>M1</p> <p>Start 2.5955 GHz 691 pts Stop 2.62 GHz</p> <p>Date: 21.AUG.2018 12:23:09</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 1 MHz</p> <p>ATT 10 dB BWT 0.4 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M1111</p> <p>-62.29 dBm</p> <p>2.650010 GHz</p> <p>-50.000 dBm</p> <p>M1</p> <p>Start 2.62 GHz 691 pts Stop 2.69 GHz</p> <p>Date: 21.AUG.2018 12:42:13</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.22 dBm Offset 9.22 dB RBW 1 MHz</p> <p>ATT 10 dB BWT 20.5 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M1111</p> <p>-60.39 dBm</p> <p>3.417990 GHz</p> <p>-50.000 dBm</p> <p>M1</p> <p>Start 2.4 GHz 691 pts Stop 2.6 GHz</p> <p>Date: 21.AUG.2018 12:42:19</p>

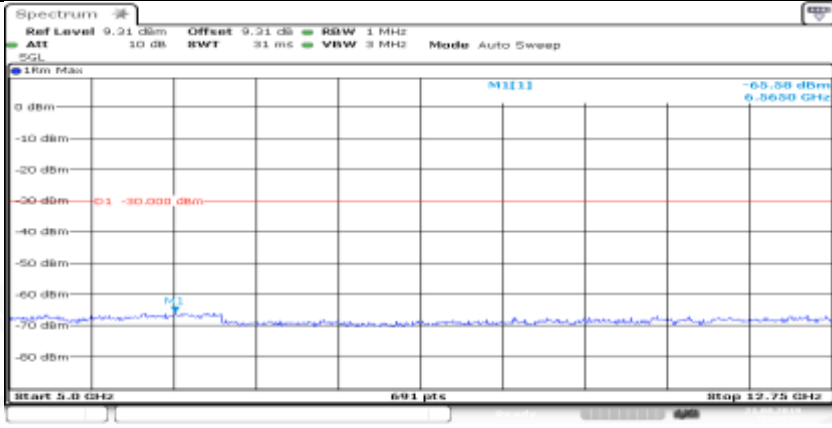

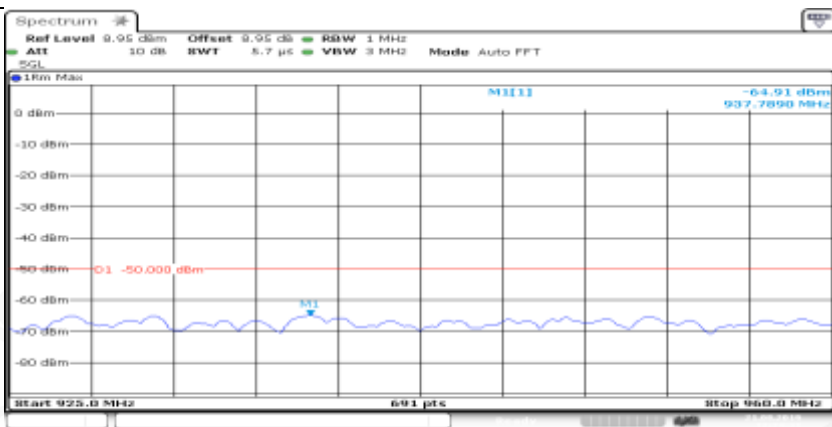



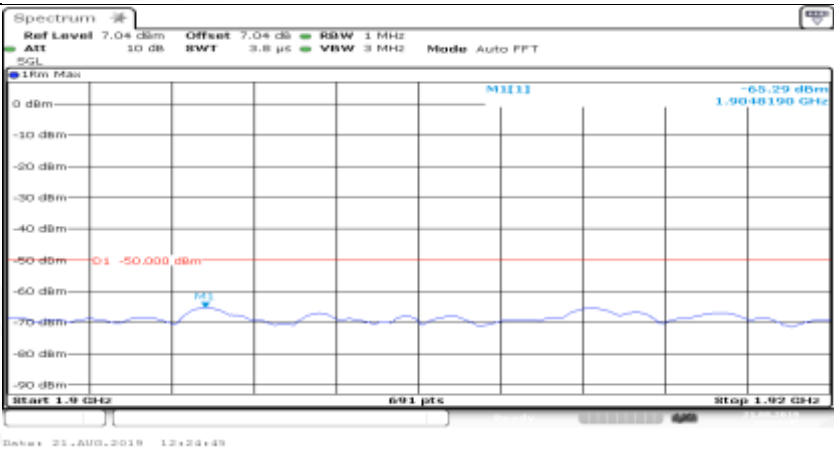
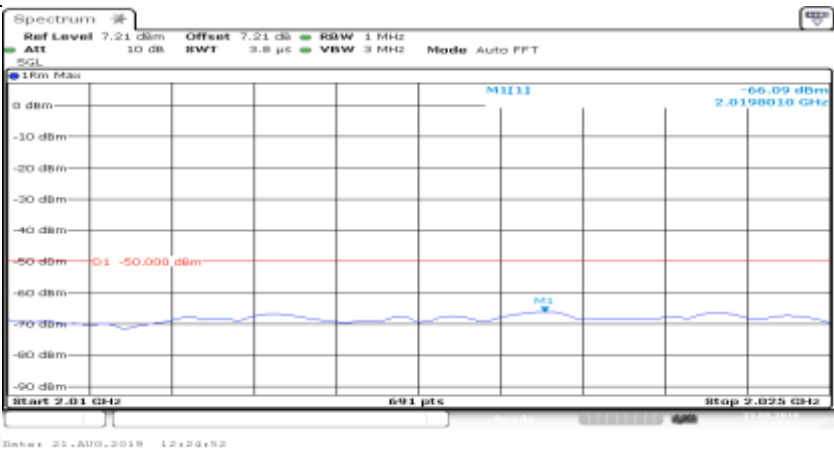
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0	
General	
General	



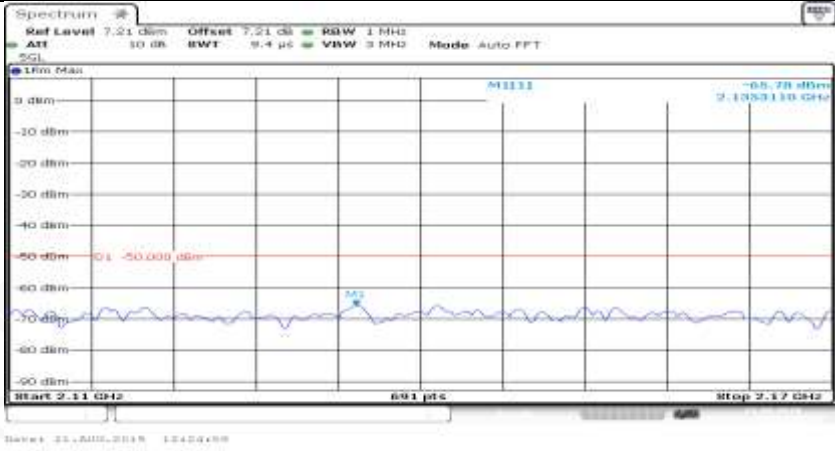
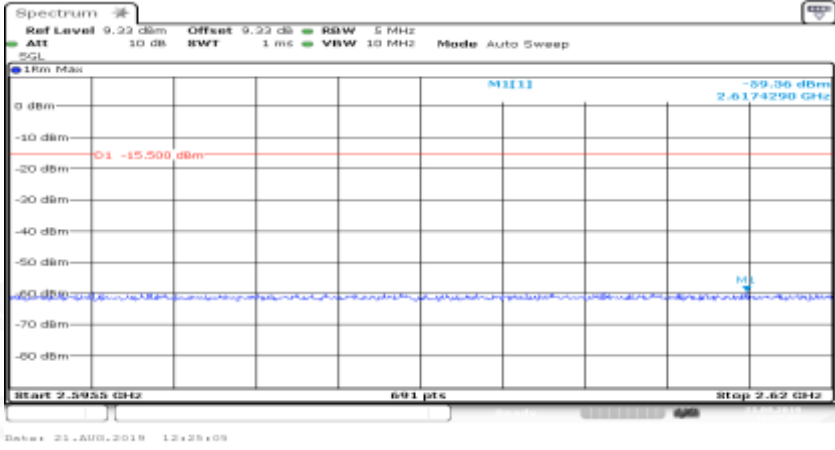
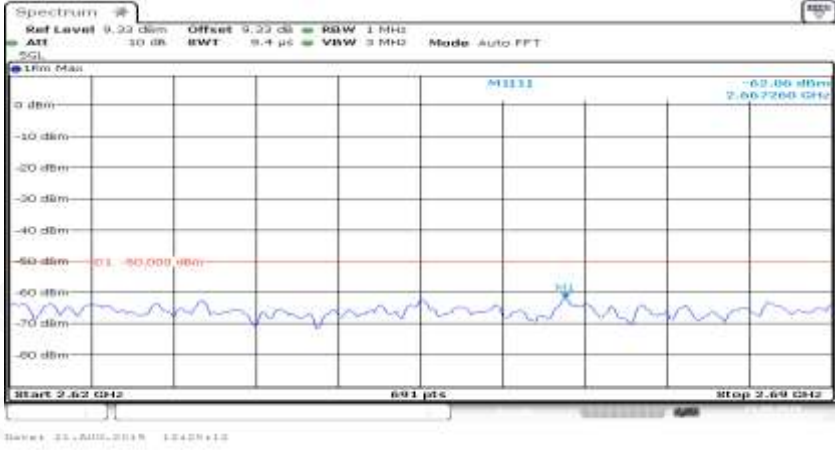
General	
General	
General	

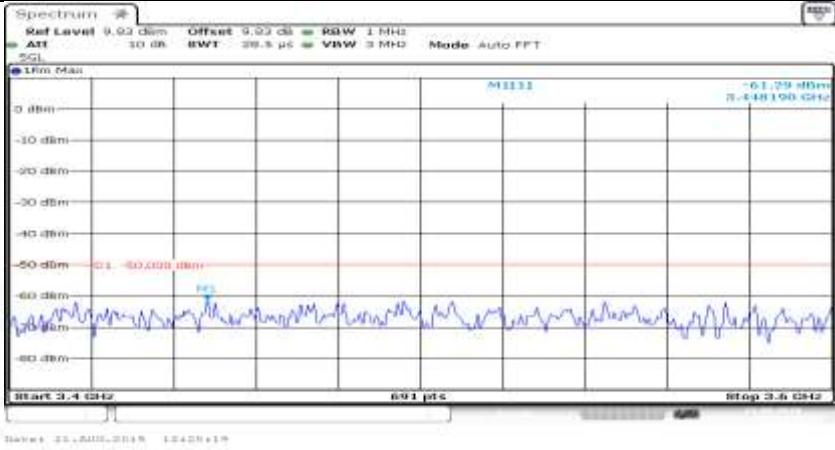
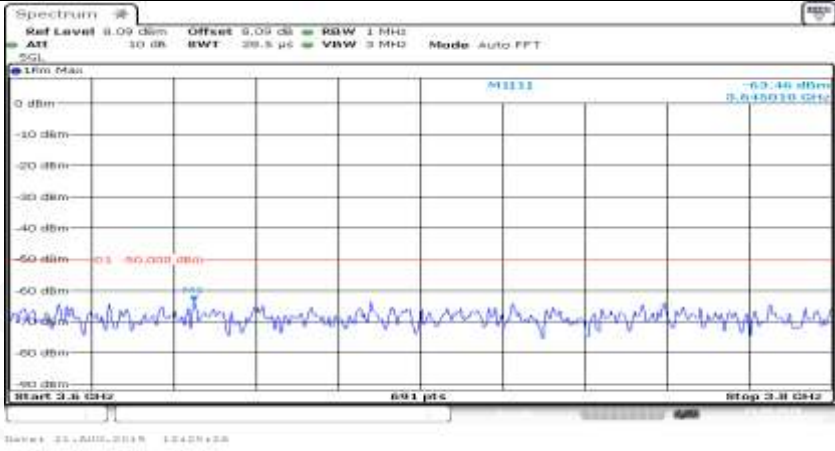
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz Mode Auto Sweep</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 12:20:17</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz</p> <p>691 pts</p> <p>Stop 821.0 MHz</p> <p>Date: 21.AUG.2019 12:20:24</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz</p> <p>691 pts</p> <p>Stop 950.0 MHz</p> <p>Date: 21.AUG.2019 12:20:31</p>

Co-existence	
Co-existence	
Co-existence	





Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Additional	NA

## 6. Receiver Spurious Emissions

### Test Result

NTNV

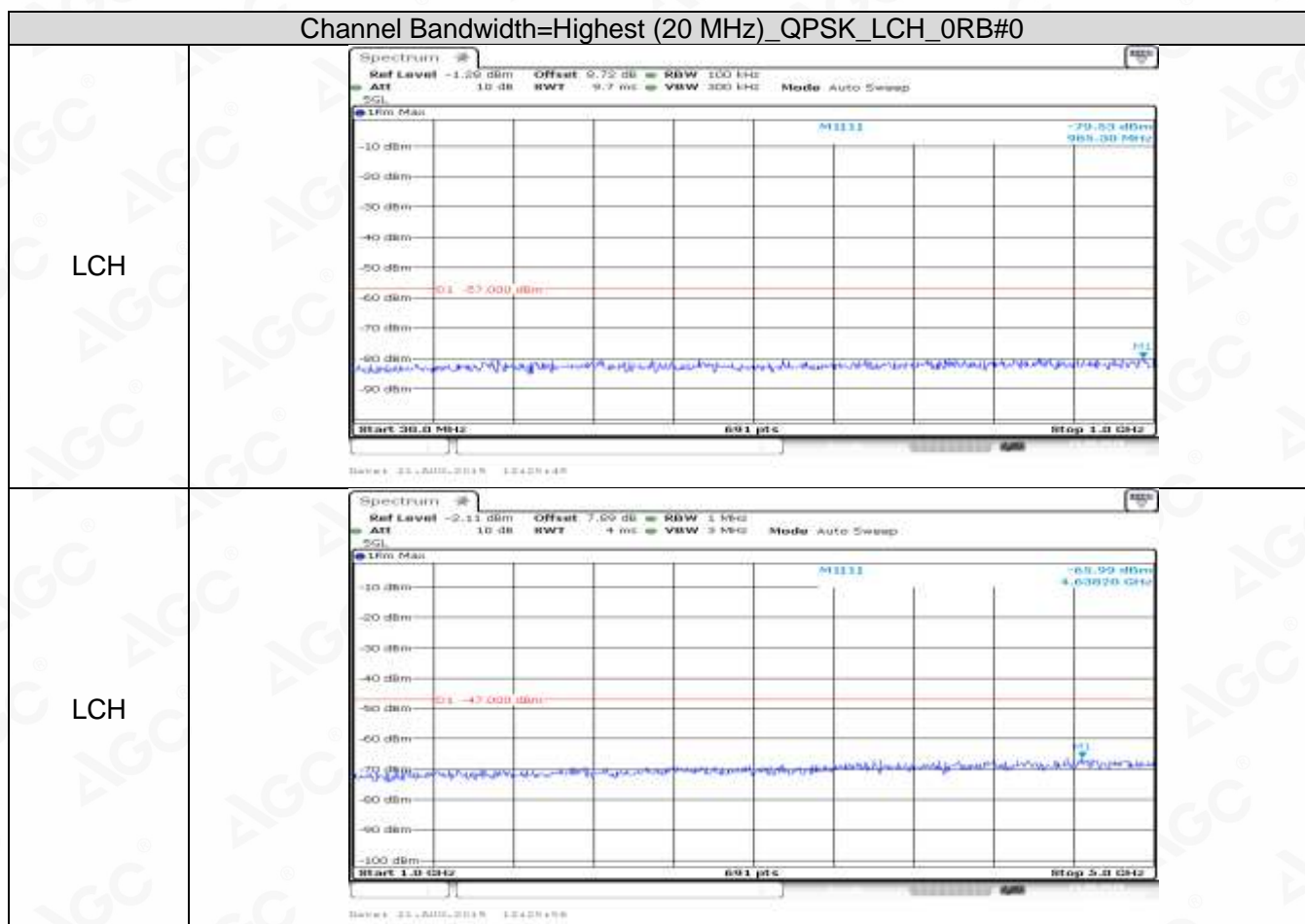
Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest



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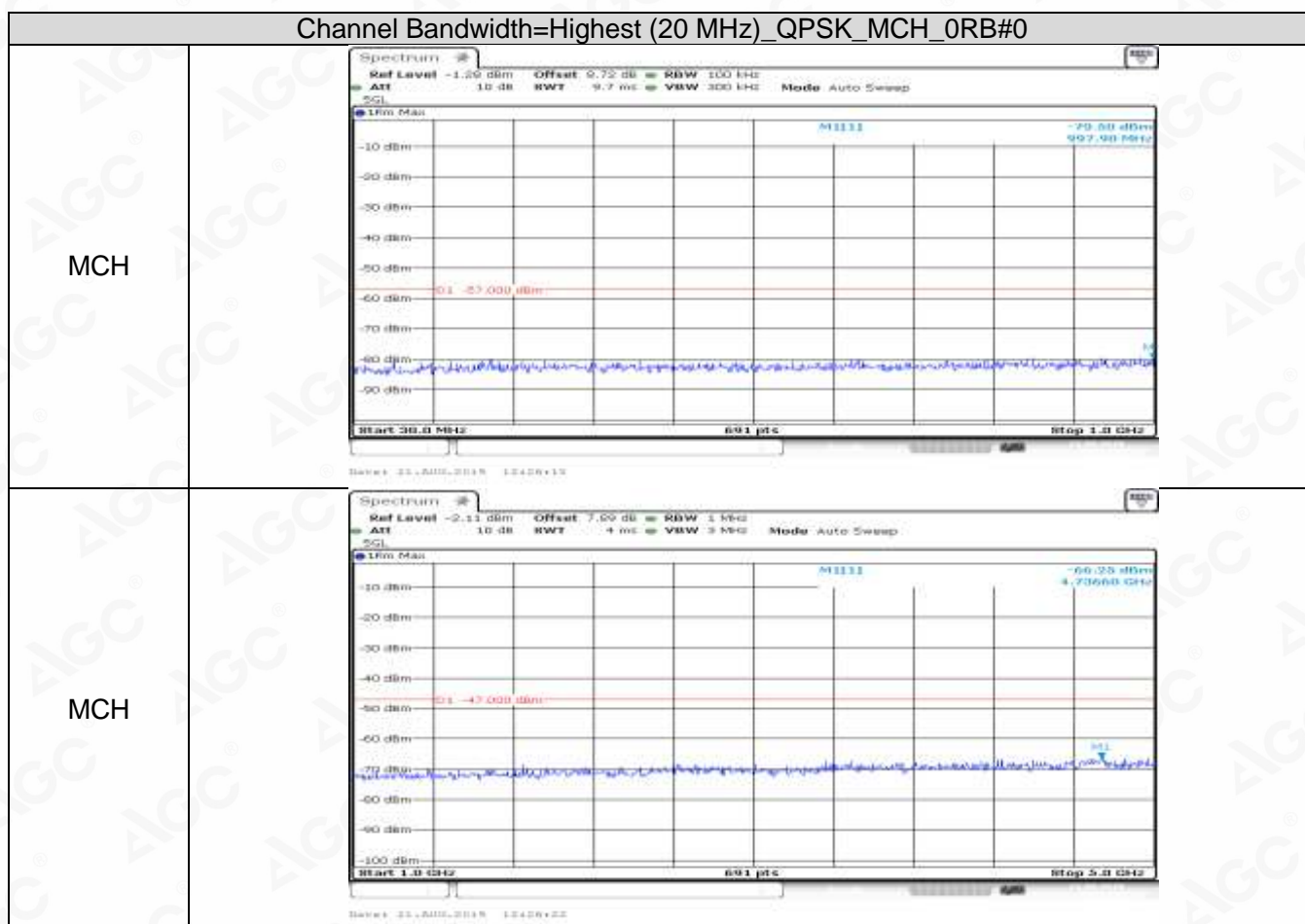
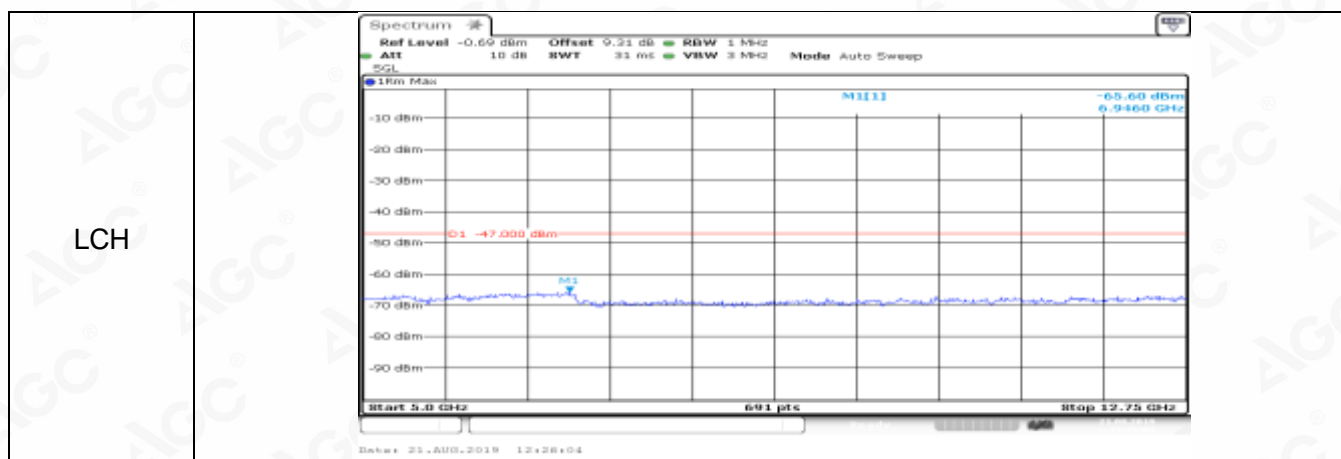
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

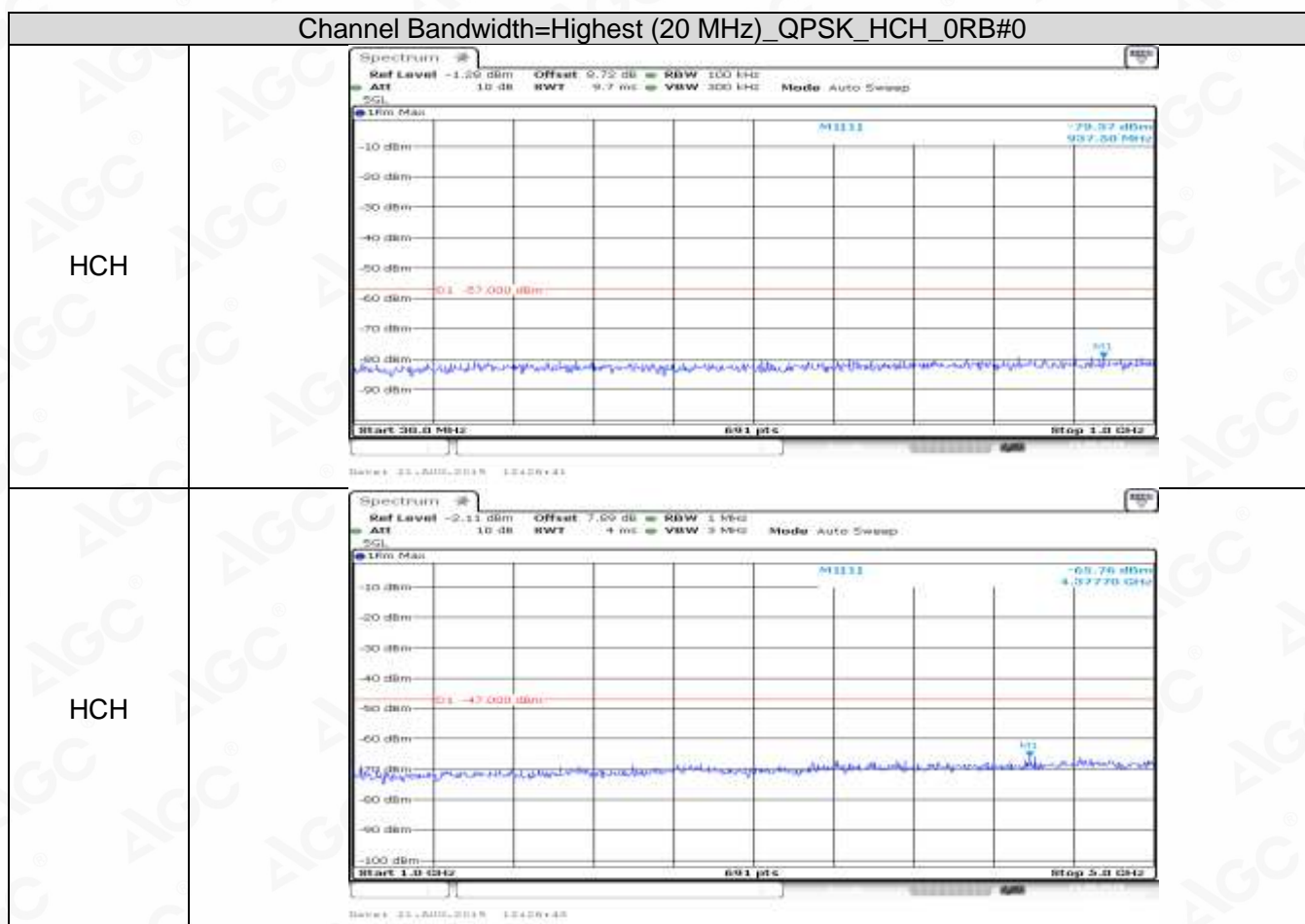
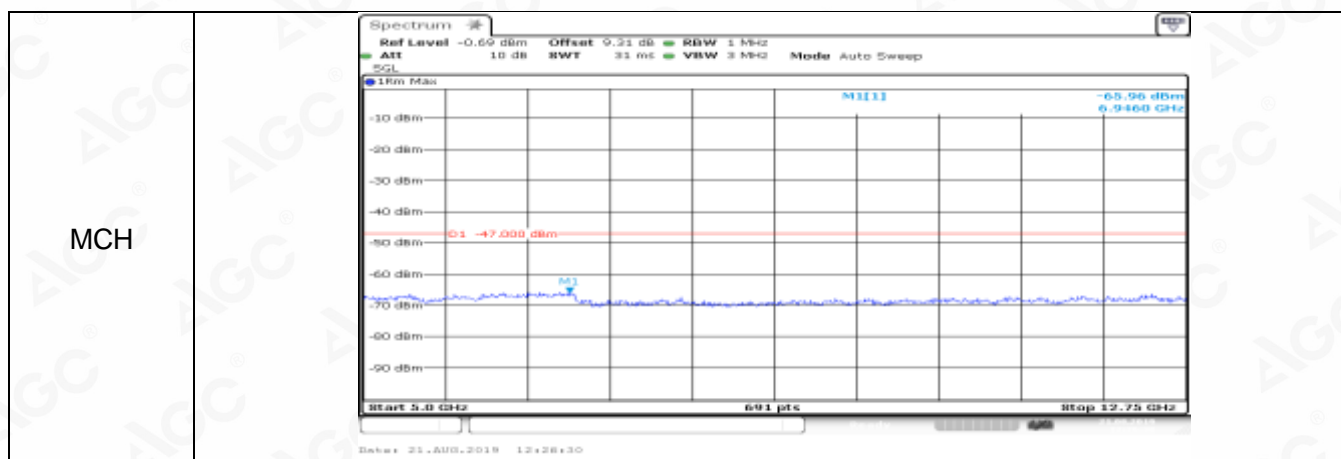
Tel: +86-755 2523 4088

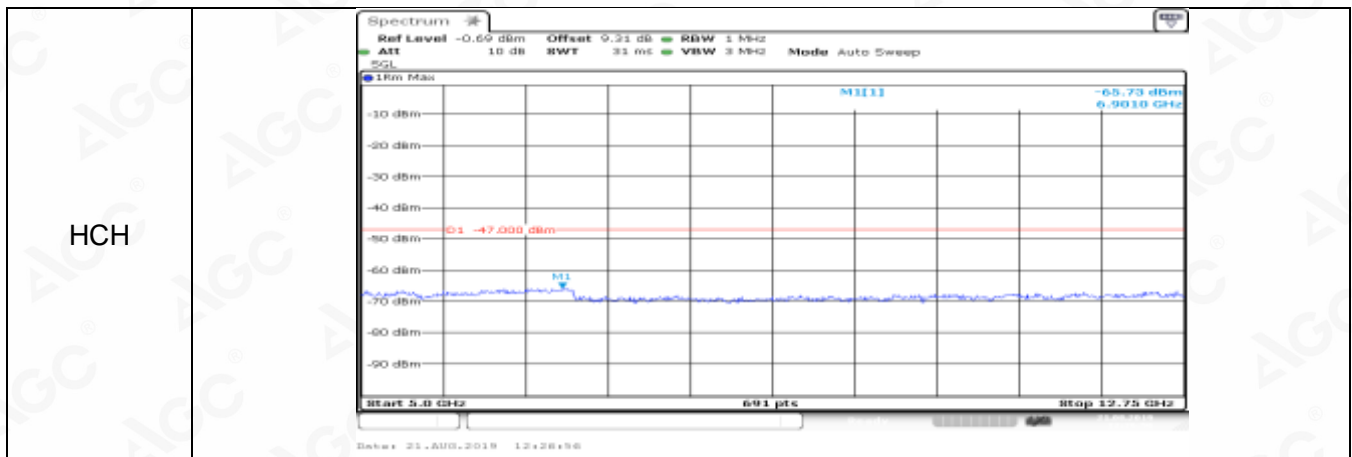
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118









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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

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## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest, 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118



## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 7			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	Pass					



## 11. Receiver Reference Sensitivity Level

### Test Results

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 LTLV) of fellow LTLV

	Test Band			Band 7			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TL,VL	5MHz	QPSK	Full	QPSK	25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
	Verdict	Pass					





## 12. Radiated spurious emissions - MS in idle mode

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-71.44	-71.71	-71.66
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-68.01	-68.04	-68.13
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-71.33	-71.27	-71.25



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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

## Appendix D for Band 8

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNVN) of fellow

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	23.76	Pass
					max	23.69	Pass
				Partial	0	23.79	Pass
					max	23.75	Pass
			Mid range	1	0	23.79	Pass
					max	23.78	Pass
				Partial	0	23.77	Pass
					max	23.80	Pass
			High range	1	0	23.02	Pass
					max	23.11	Pass
				Partial	0	23.78	Pass
					max	23.22	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	1	0	23.81	Pass
					max	23.80	Pass
				Partial	0	23.70	Pass
					max	23.76	Pass
			Mid range	1	0	23.75	Pass
					max	23.87	Pass
				Partial	0	23.83	Pass
					max	23.93	Pass
			High range	1	0	24.14	Pass
					max	23.90	Pass
				Partial	0	24.12	Pass
					max	23.98	Pass

### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	1	0	23.80	Pass
					max	23.88	Pass
				Partial	0	23.76	Pass
					max	23.87	Pass
			Mid range	1	0	23.85	Pass
					max	23.85	Pass
				Partial	0	23.86	Pass
					max	23.88	Pass
			High range	1	0	24.06	Pass
					max	23.95	Pass
				Partial	0	24.12	Pass
					max	23.96	Pass





## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 7 TNVN) of fellow

### Test Result

NTNV

**Channel Bandwidth=Lowest (1.4 MHz)**

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Full	0	-48.84	Pass
			Mid range	Full	0	-51.42	Pass
			High range	Full	0	-51.36	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5MHz	Low range	Full	0	-50.61	Pass
			Mid range	Full	0	-50.77	Pass
			High range	Full	0	-50.54	Pass

**Channel Bandwidth=Highest (10 MHz)**

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	10MHz	Low range	Full	0	-50.54	Pass
			Mid range	Full	0	-50.18	Pass
			High range	Full	0	-50.10	Pass

### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

	16QAM				max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			Mid range	Full	0	PUMAX	Pass
					0	PUMAX	Pass
				Partial	max	PUMAX	Pass
					0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

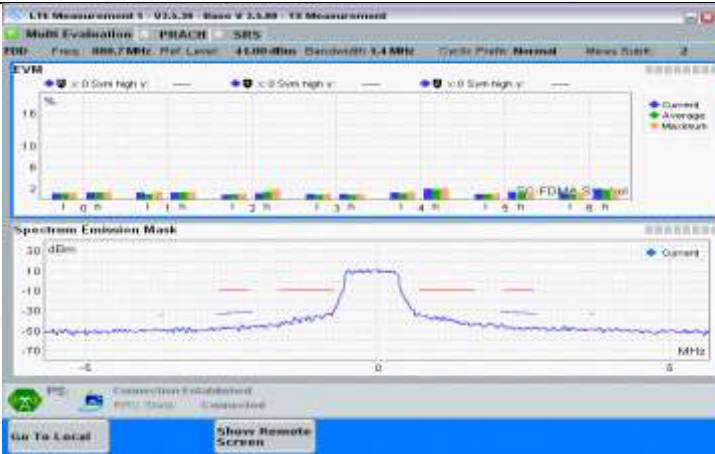
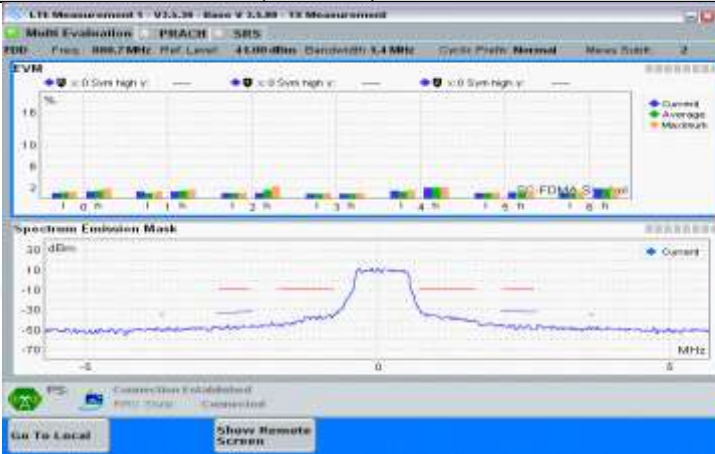
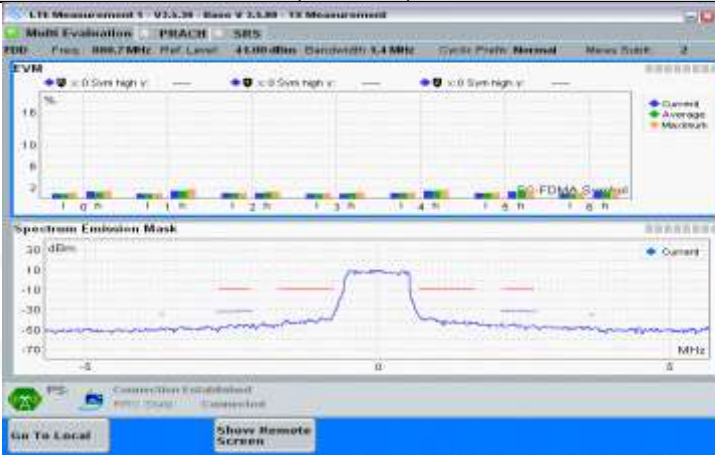
### Test Graphs

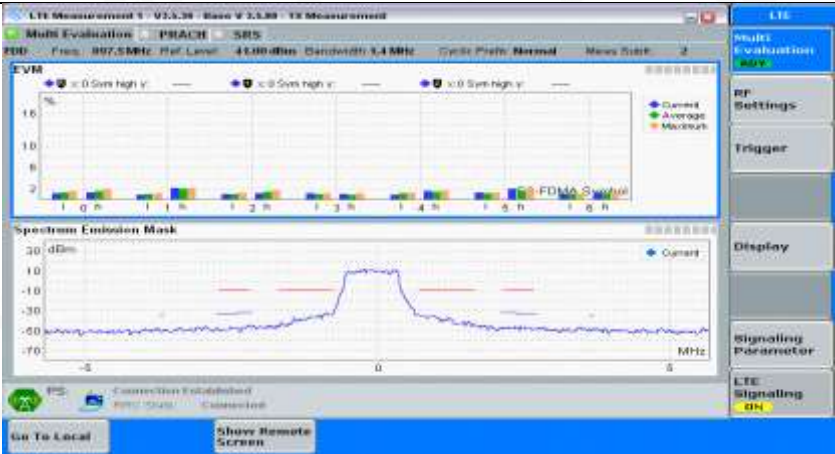
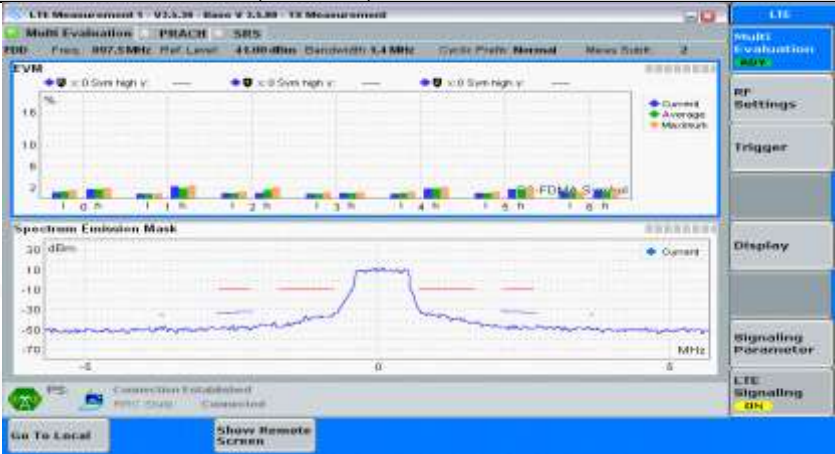
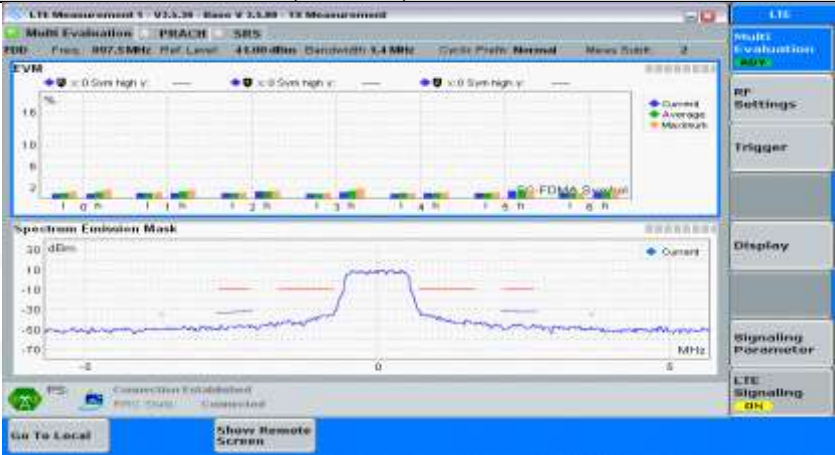
NTNV

### Channel Bandwidth=Lowest (1.4 MHz)

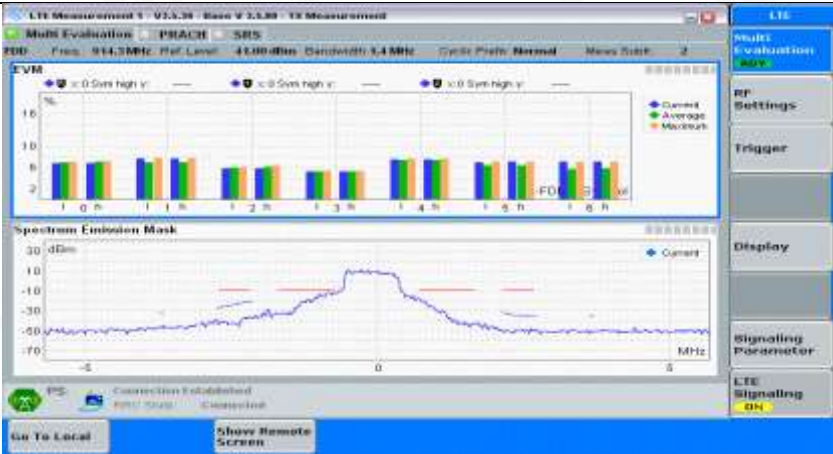
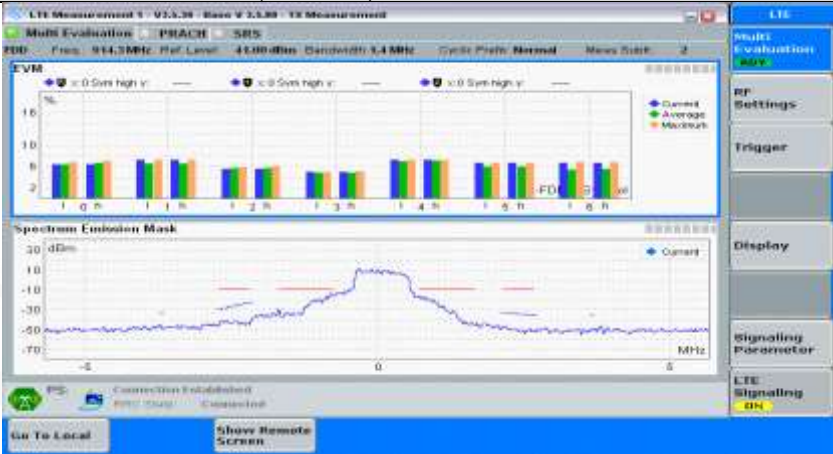

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#0
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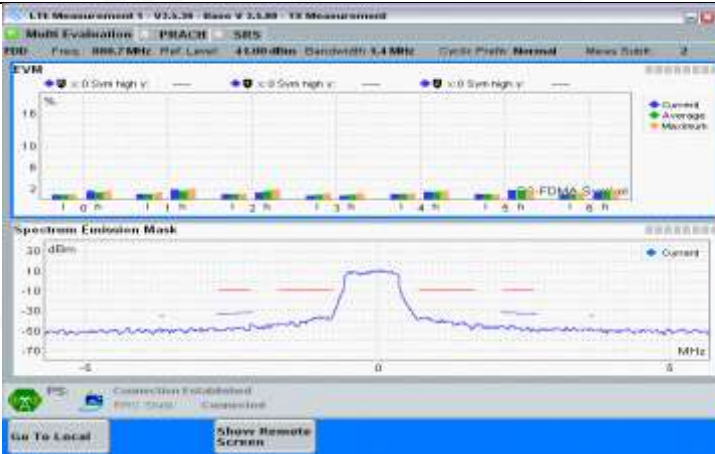
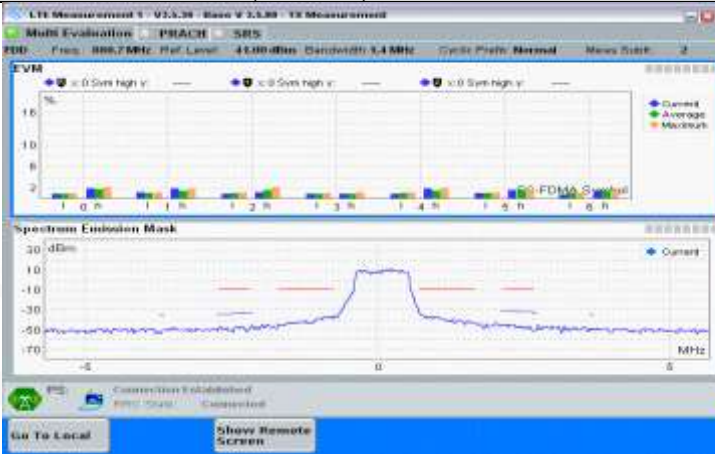
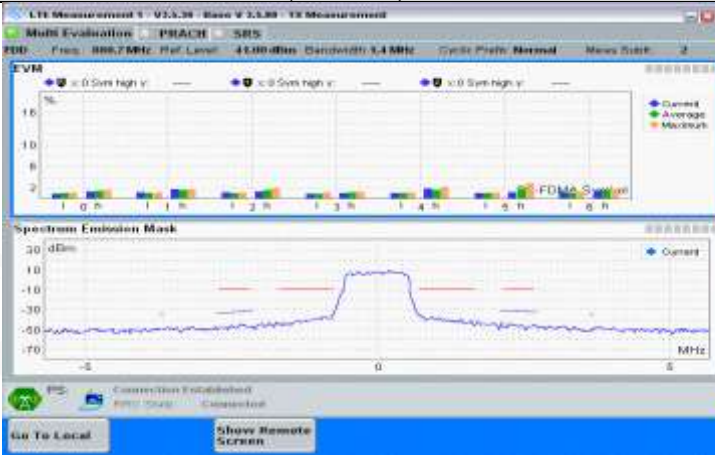
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Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullIRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0		

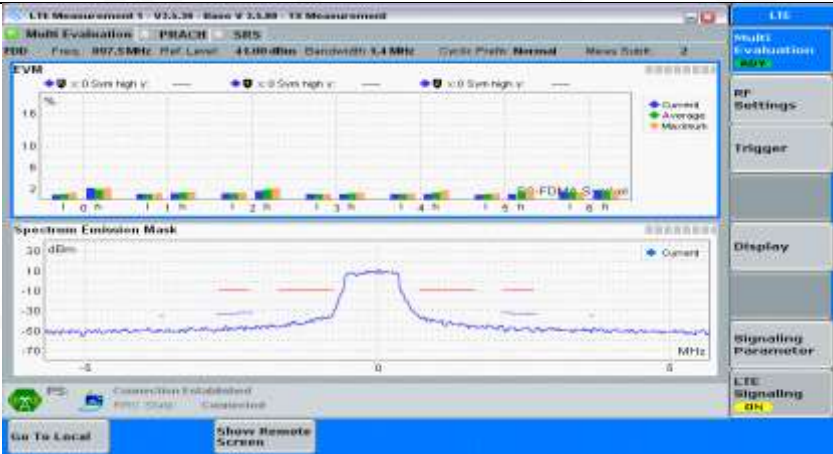
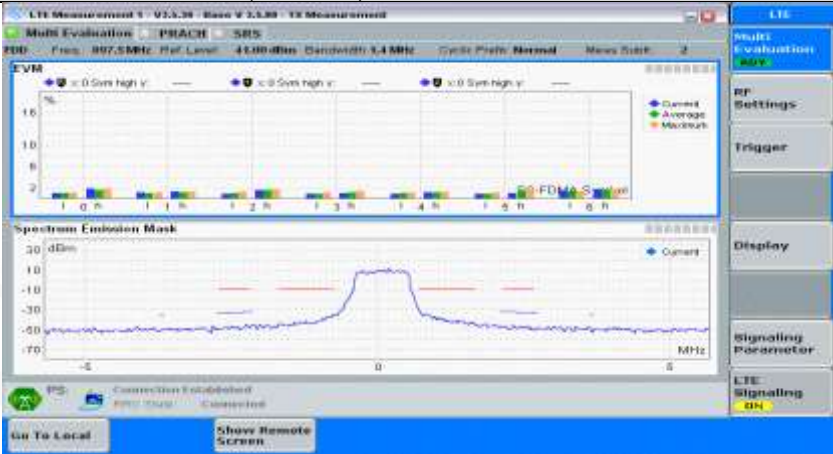
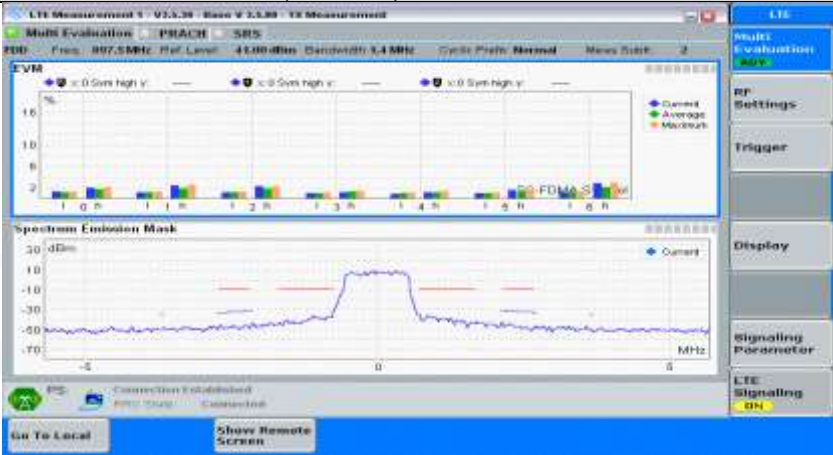
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0	



QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0		



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0		

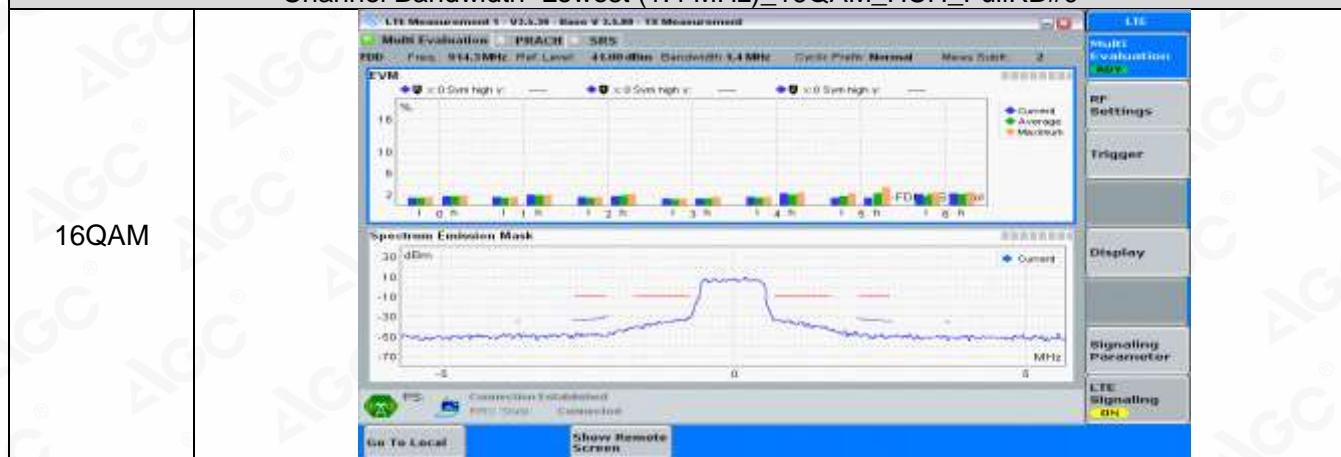




Channel Bandwidth=Lowest (1.4 MHz)\_16QAM\_HCH\_PartialRB#max



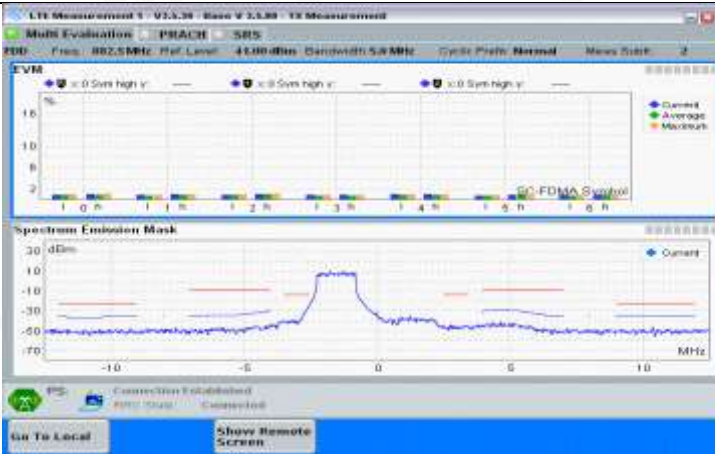
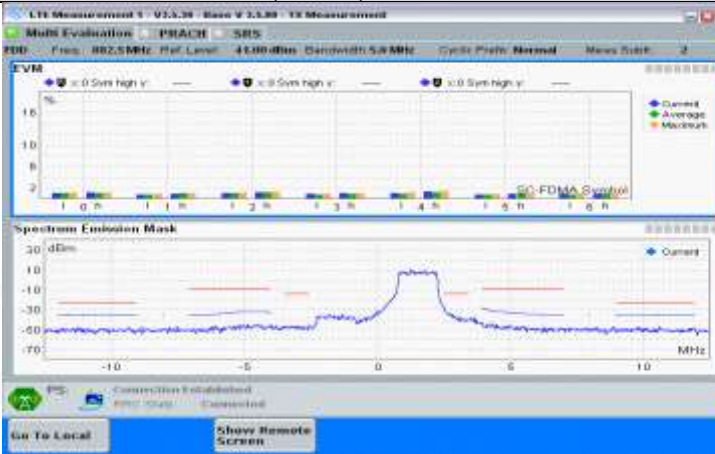
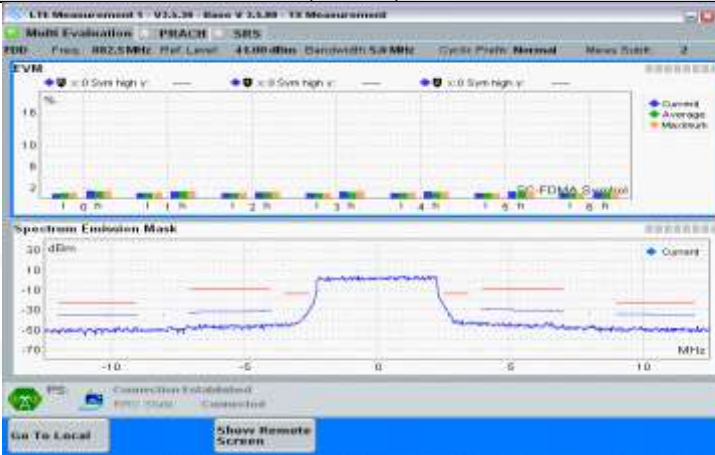
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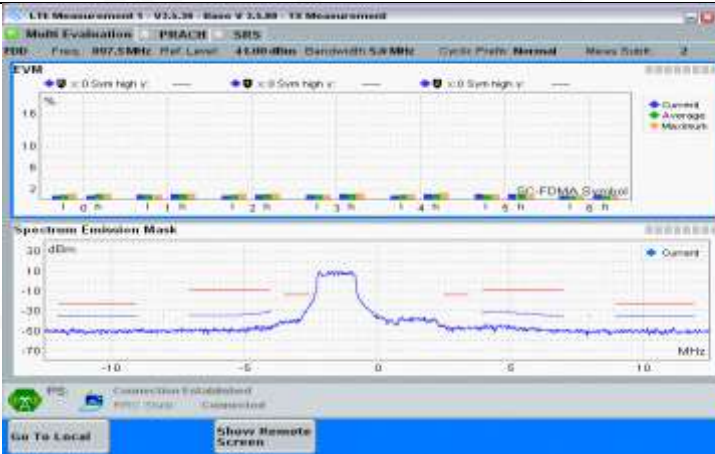
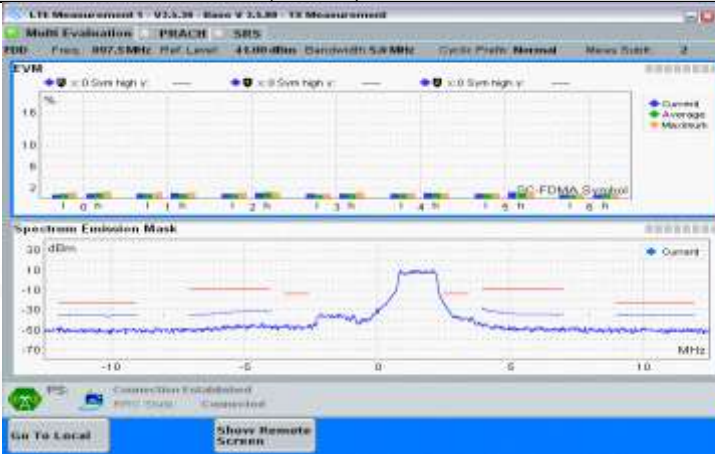
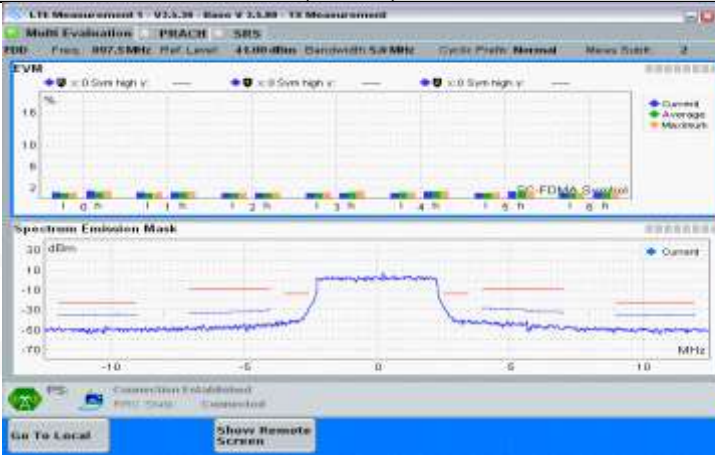


Channel Bandwidth= (5 MHz)

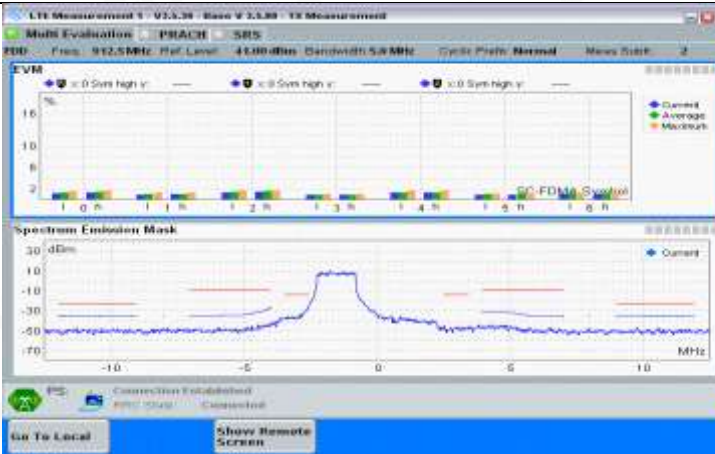
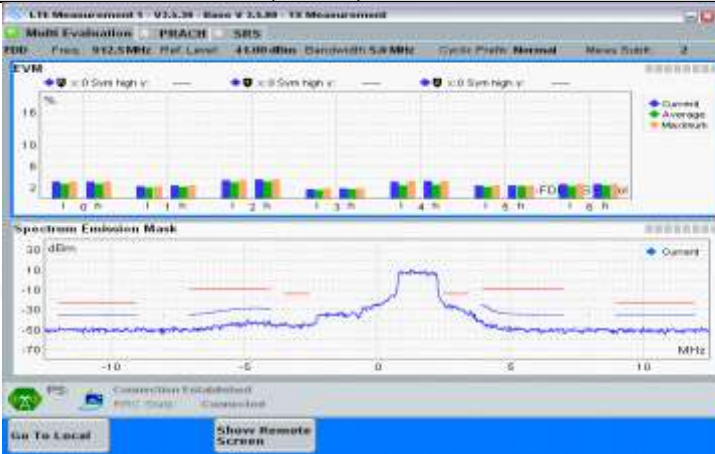
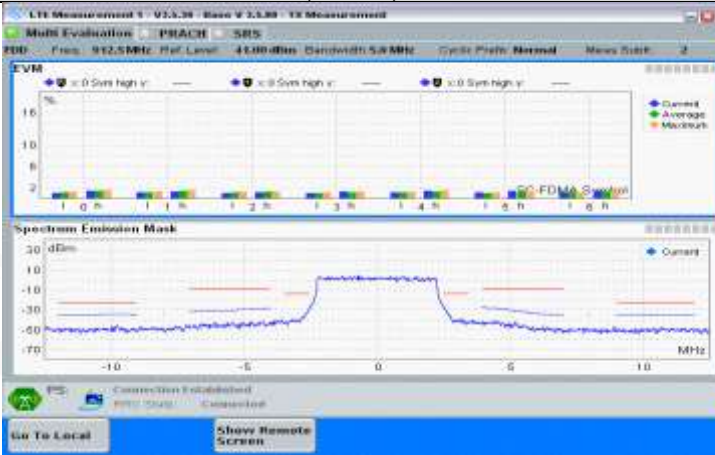
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0



QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0		

QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		



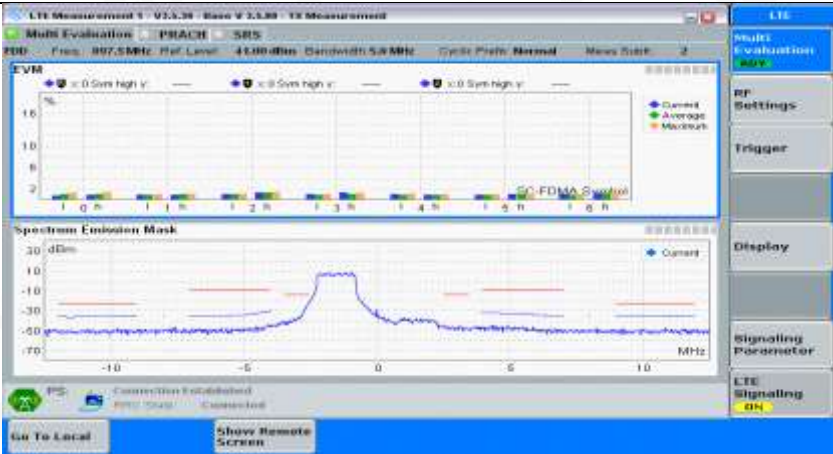
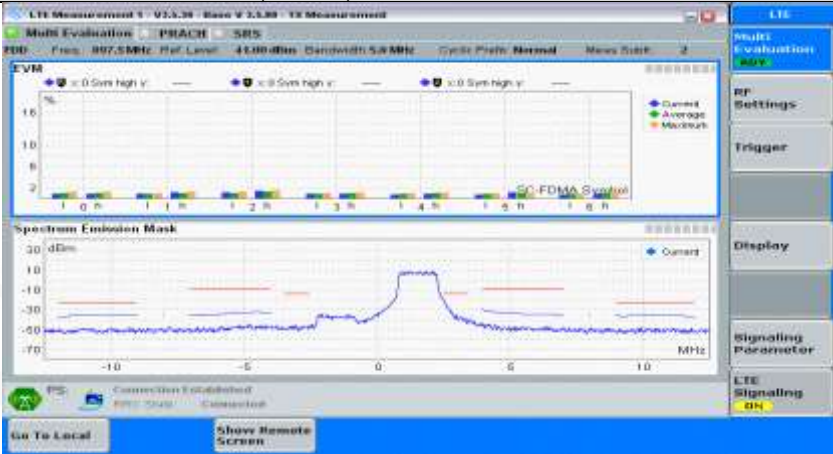
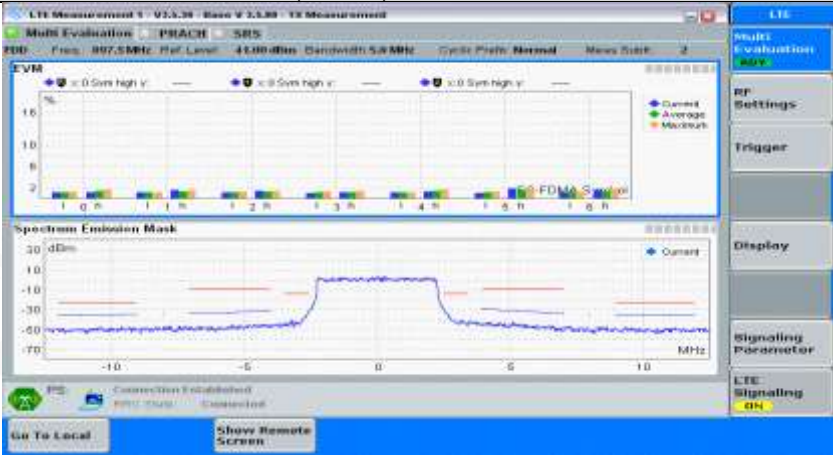
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Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0		



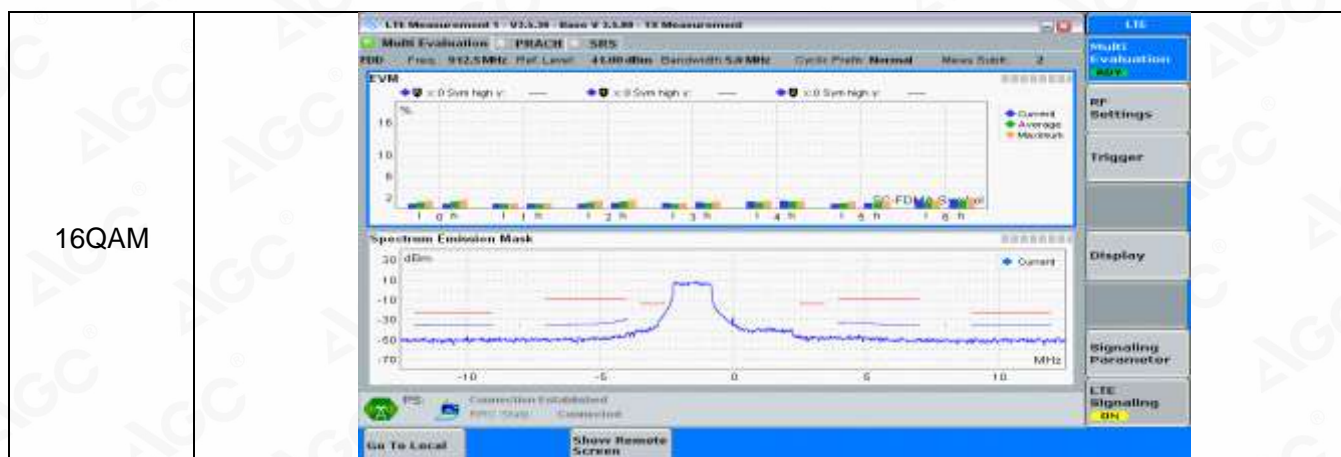
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Channel Bandwidth=Lowest (5 MHz)\_16QAM\_LCH\_FullRB#0

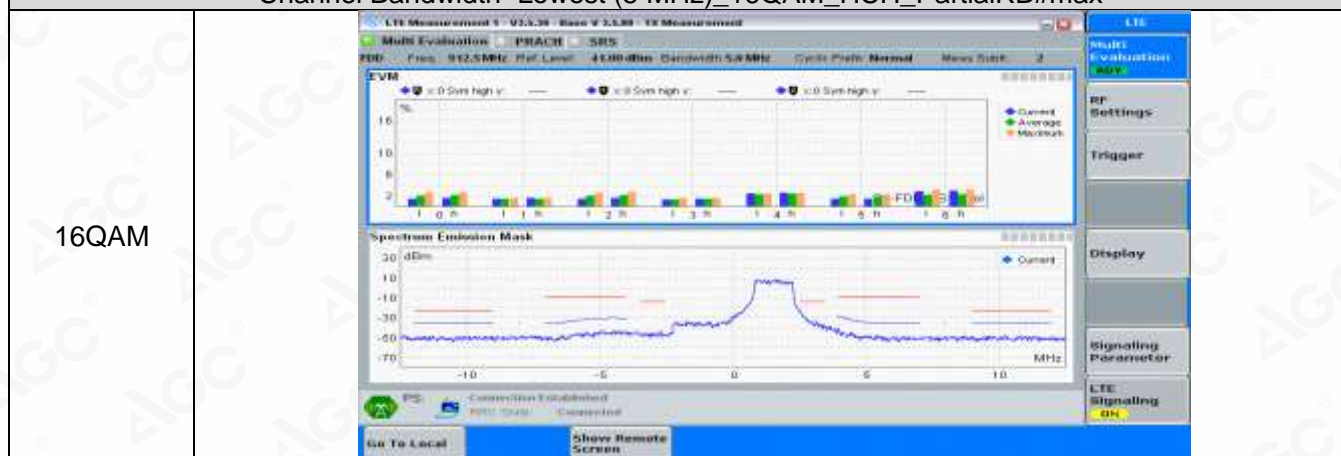
Channel Bandwidth=Lowest (5 MHz)\_16QAM\_MCH\_PartialRB#0

16QAM		
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max		
16QAM		
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16QAM		
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		

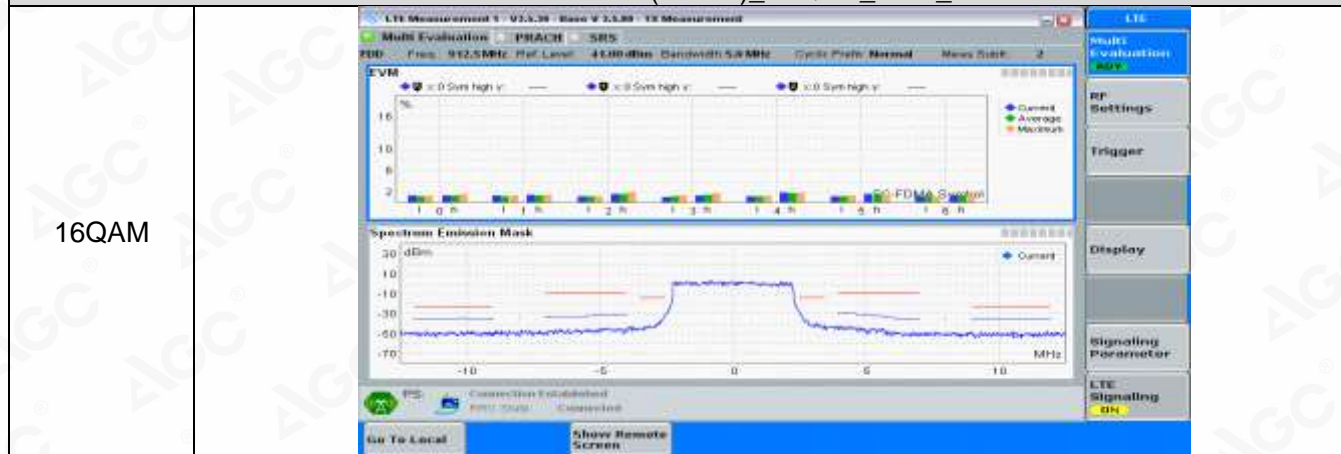




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max



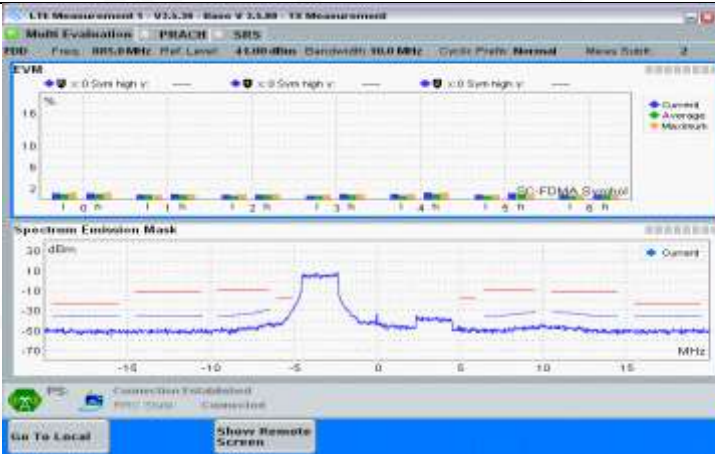
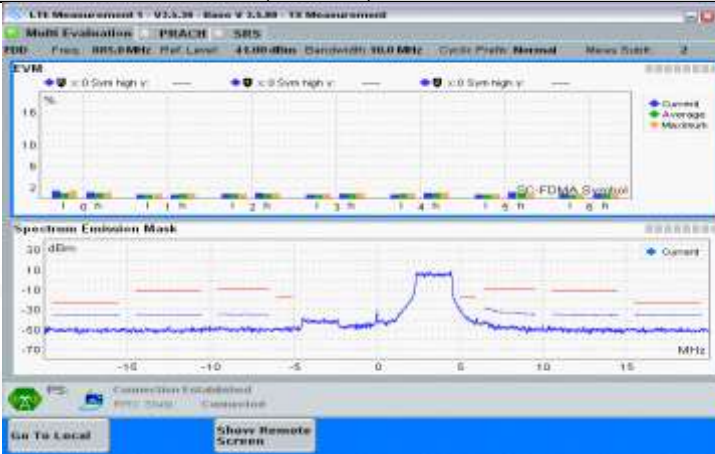
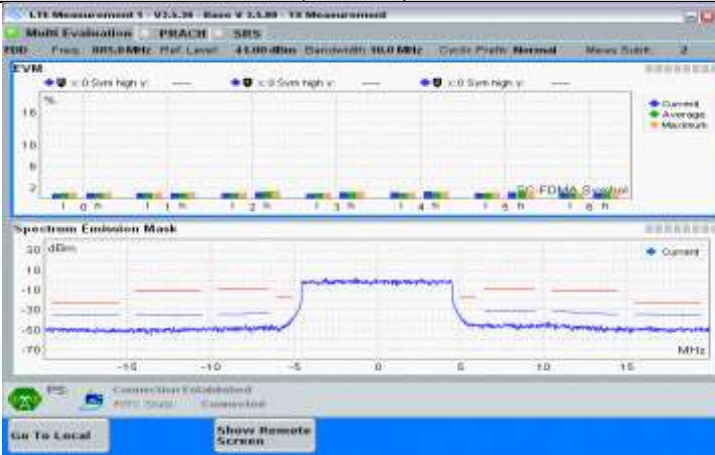
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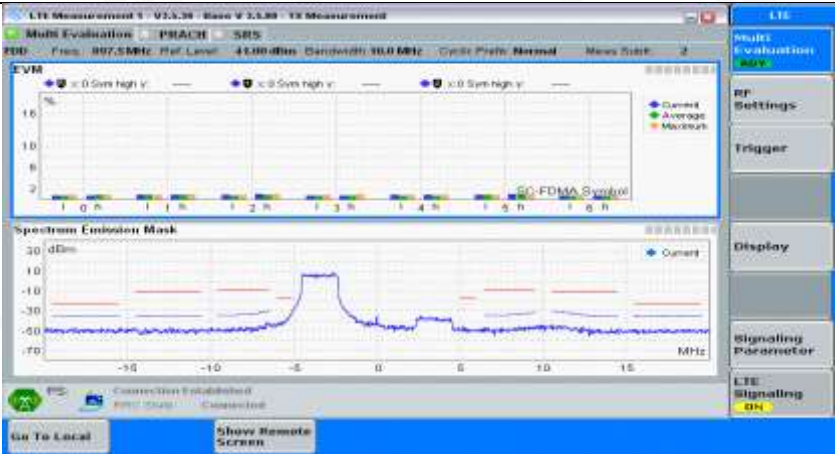
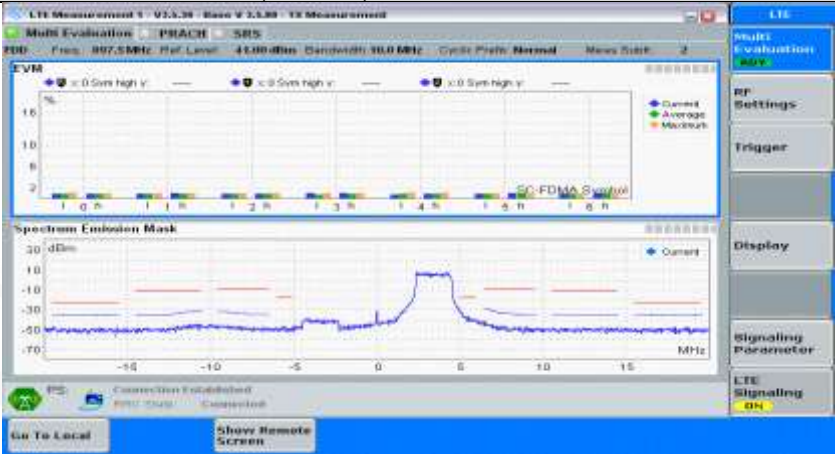
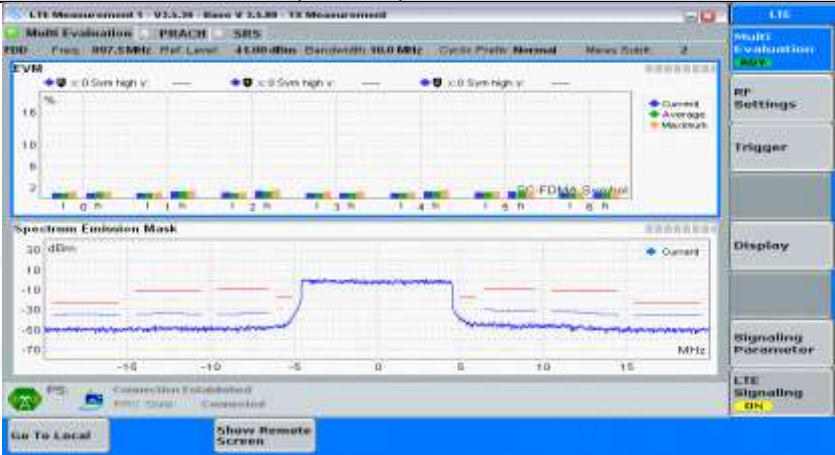


Channel Bandwidth=Highest (10 MHz)

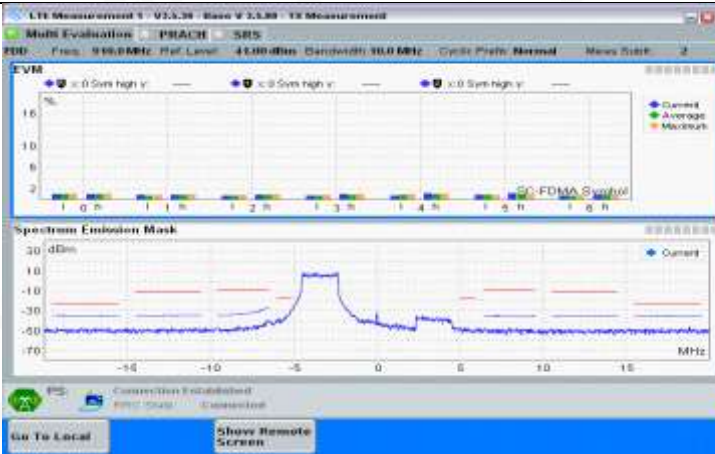
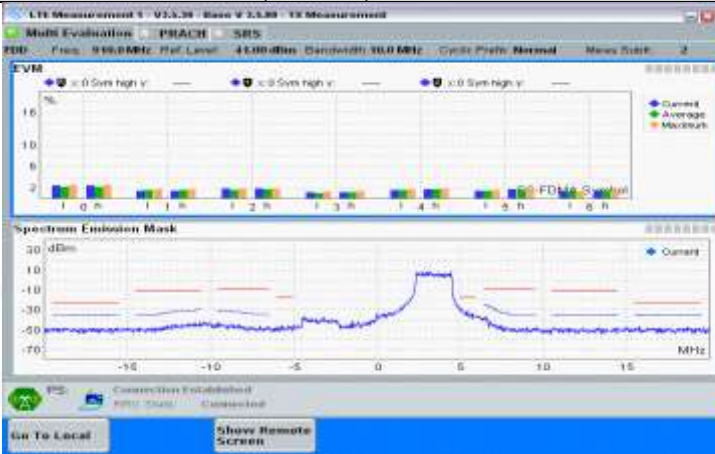
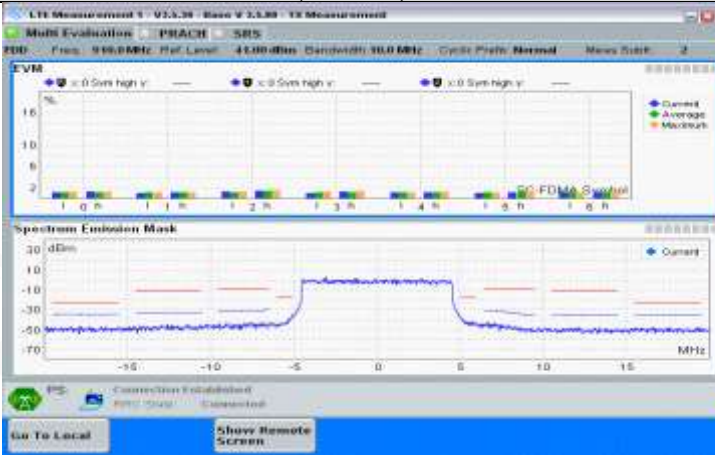
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0



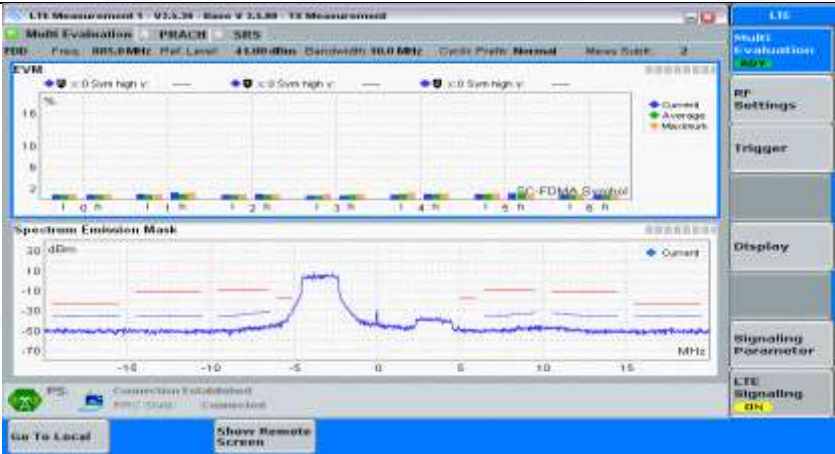
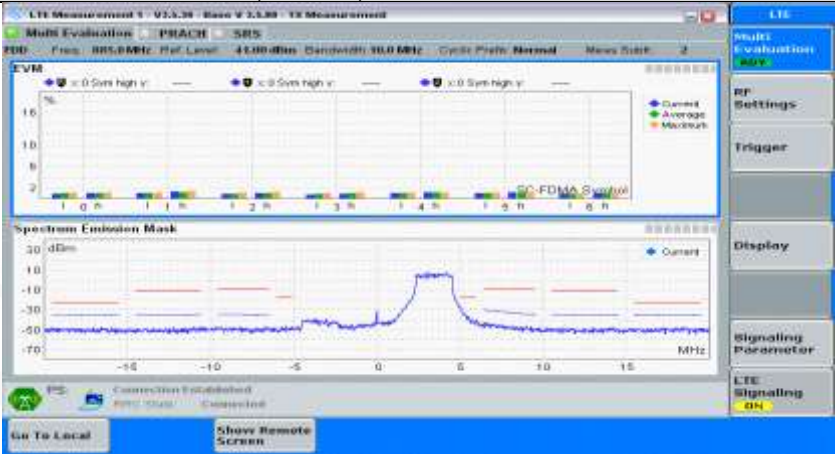
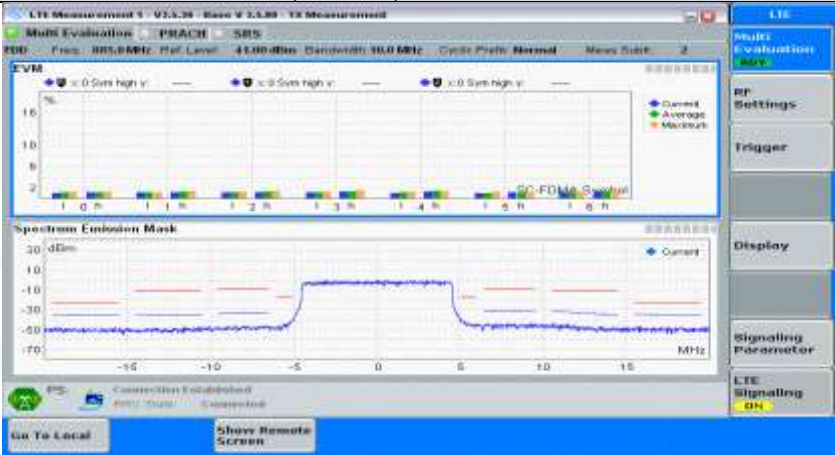
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Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0		

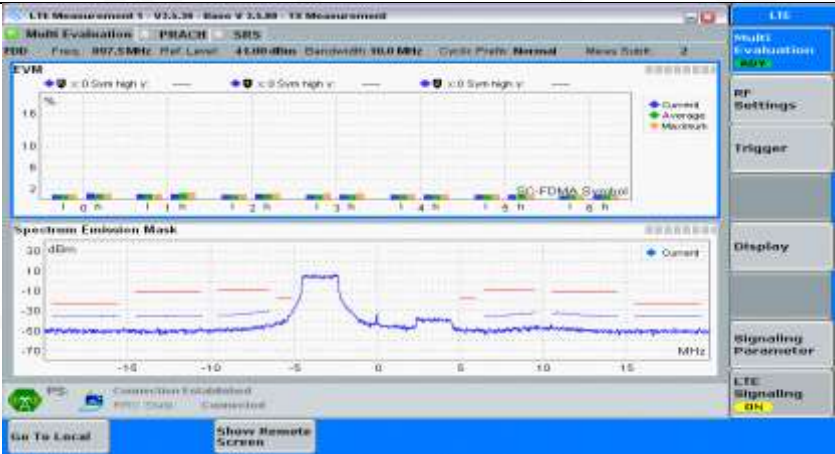
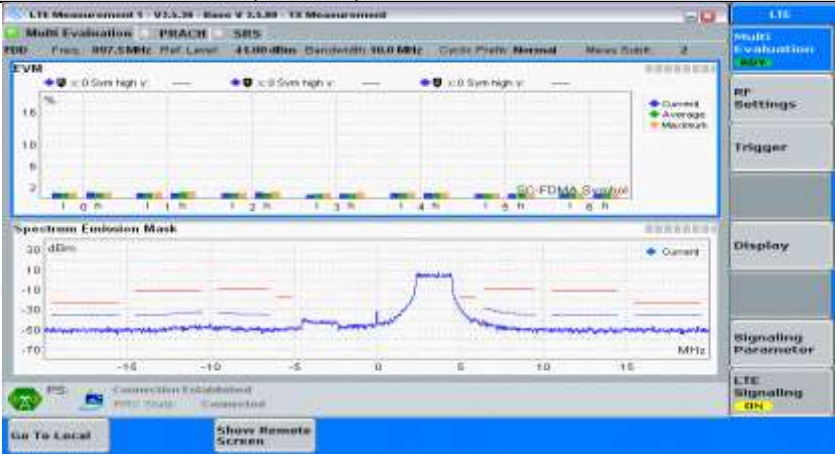
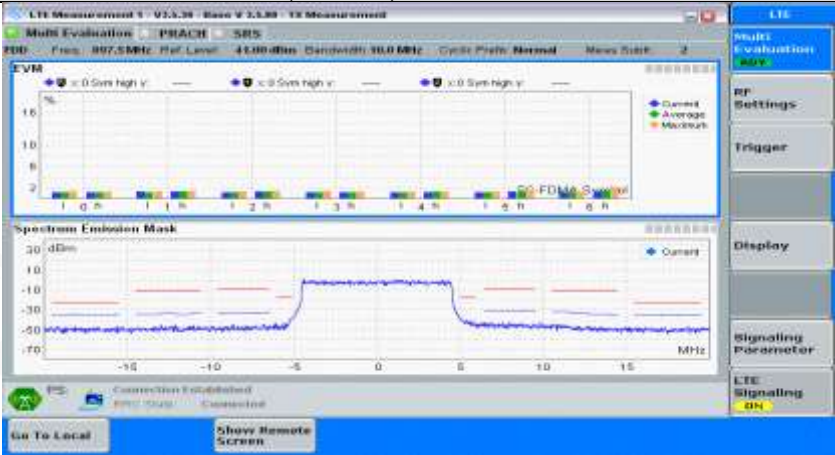
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0	



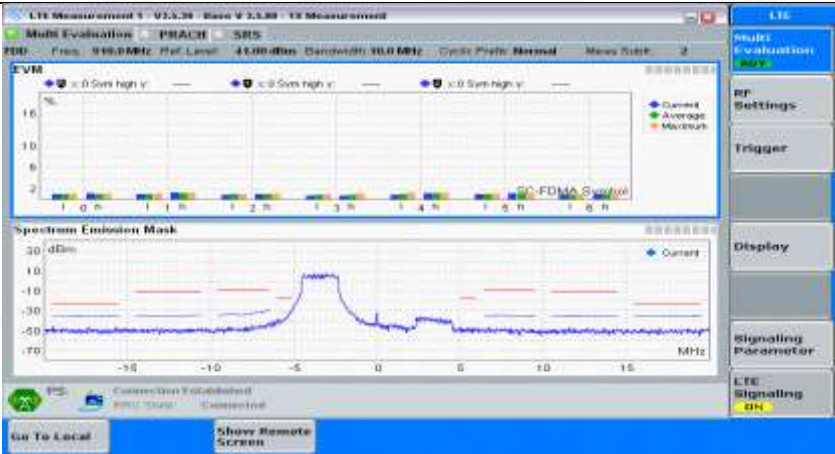
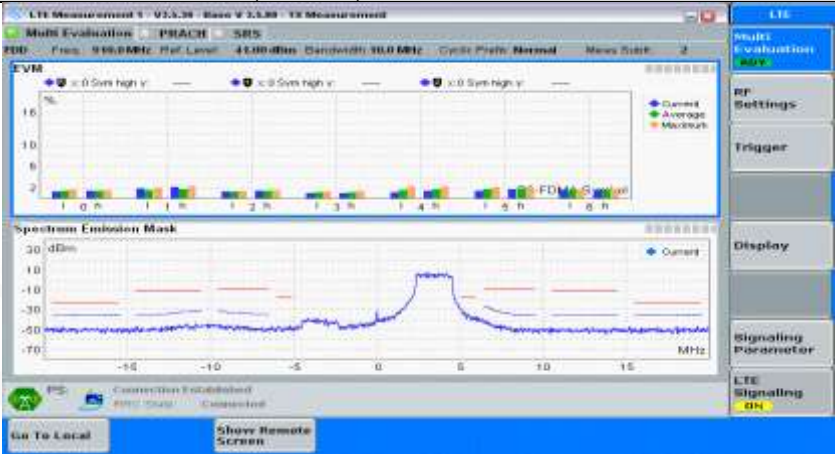
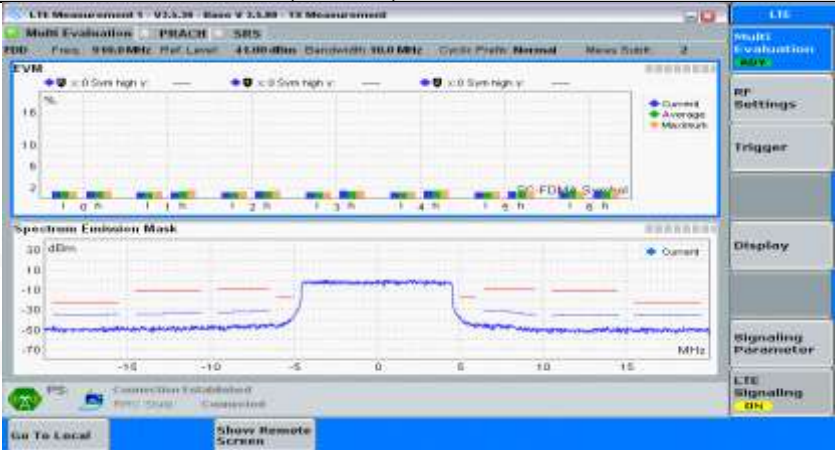
QPSK		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation <b>OK</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>OK</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	



16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0	
16QAM	



#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (1.4 MHz)

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth= (5 MHz)

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass




### Channel Bandwidth=Highest (10 MHz)

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass




### Test Graphs


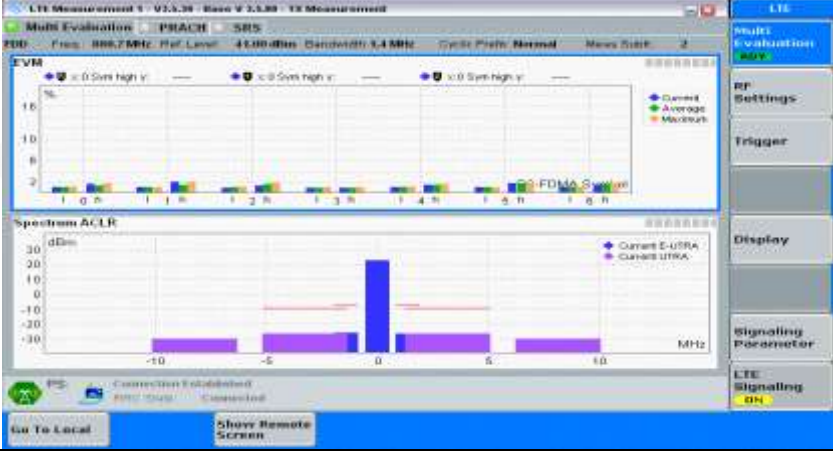

NTNV

### Channel Bandwidth=Lowest (1.4 MHz)




Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#0	




QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#0	
QPSK	#BWL-lmg-QPSK-HCH-P-L-TNVN-Aclr
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_PartialRB#max	

QPSK	
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0	
QPSK	#BWL-lmg-QPSK-HCH-F-L-TNVN-Aclr
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_LCH_FullRB#0	






16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_MCH_FullRB#0		






16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_PartialRB#0	
16QAM	#BWL-Img-16QAM-HCH-P-L-TNVN-Aclr
Channel Bandwidth=Lowest (1.4 MHz) 16QAM_HCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (1.4 MHz)_16QAM_HCH_FullRB#0	
16QAM	#BWL-Img-16QAM-HCH-F-L-TNVN-Aclr

Channel Bandwidth= (5 MHz)




Channel Bandwidth=Lowest (5 MHz)\_QPSK\_LCH\_PartialRB#0




QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0	






QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		



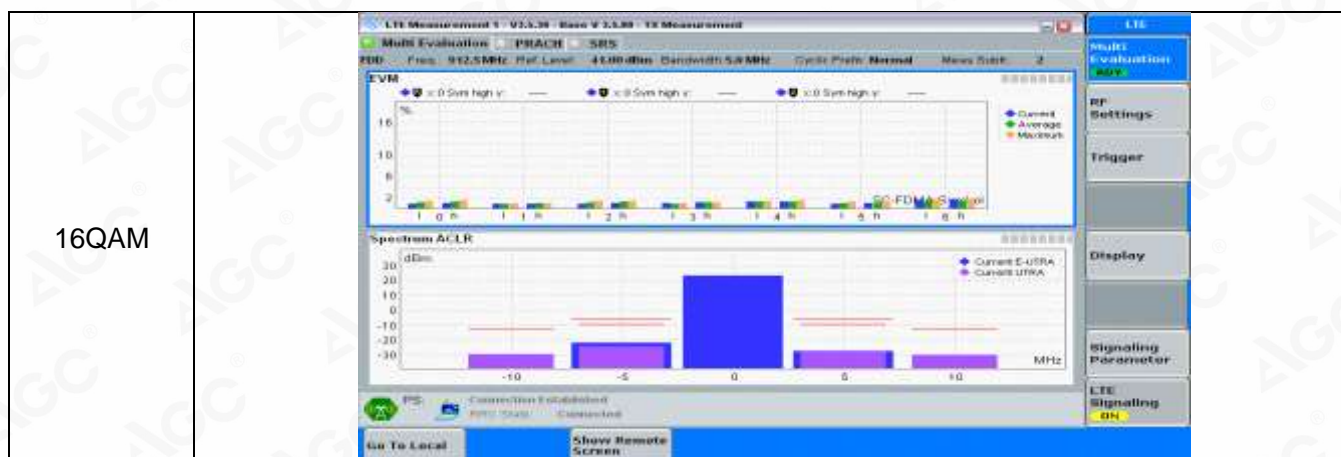
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0	
QPSK	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0	

16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	

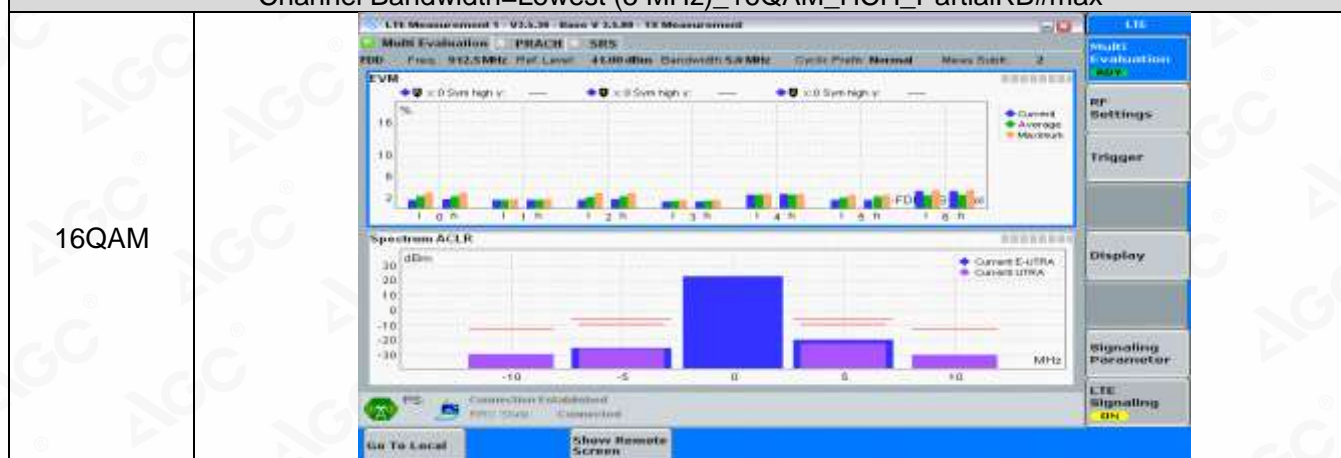


16QAM		
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max		
16QAM		
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0		
16QAM		
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		

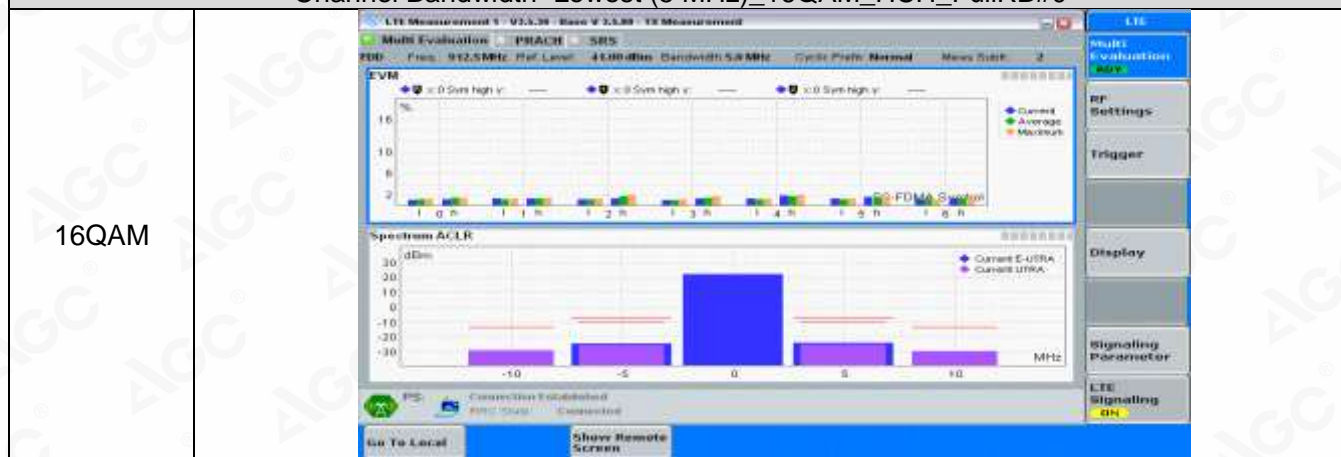




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#max




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_FullIRB#0



Channel Bandwidth=Highest (10 MHz)




Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0


QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialIRB#0		






QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>






QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0		

16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0	



16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

**Channel Bandwidth=Lowest (1.4 MHz)**

Channel Bandwidth=Lowest (1.4 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	1.4 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth= (5 MHz)**

Channel Bandwidth= (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

**Channel Bandwidth=Highest (10 MHz)**

Channel Bandwidth=Highest (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

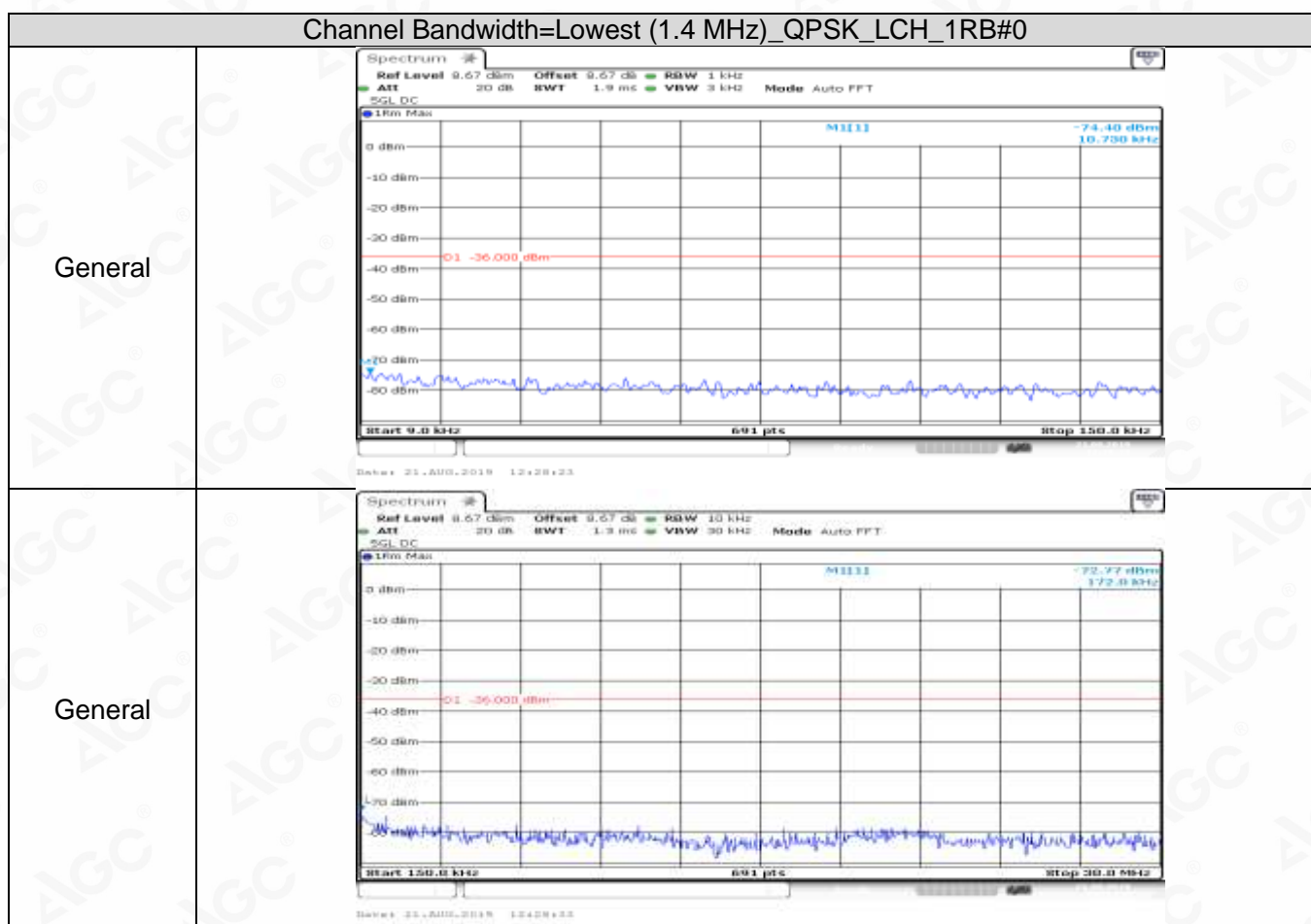
Service Hotline: 400 089 2118

Normal	QPSK	10 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

## Test Graphs

NTNV

Channel Bandwidth=Lowest (1.4 MHz)



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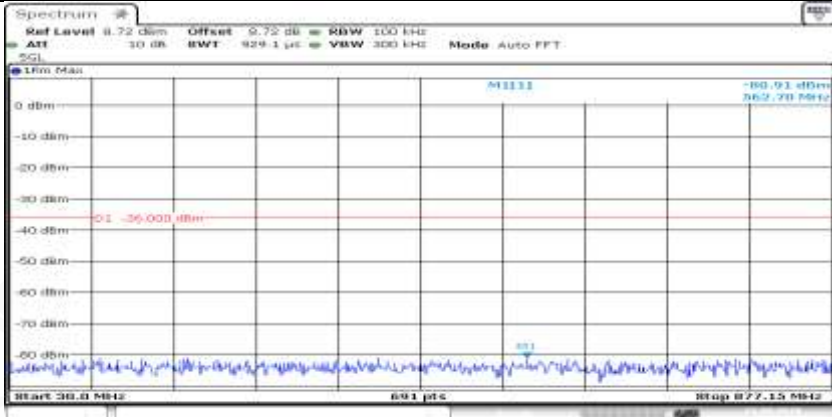
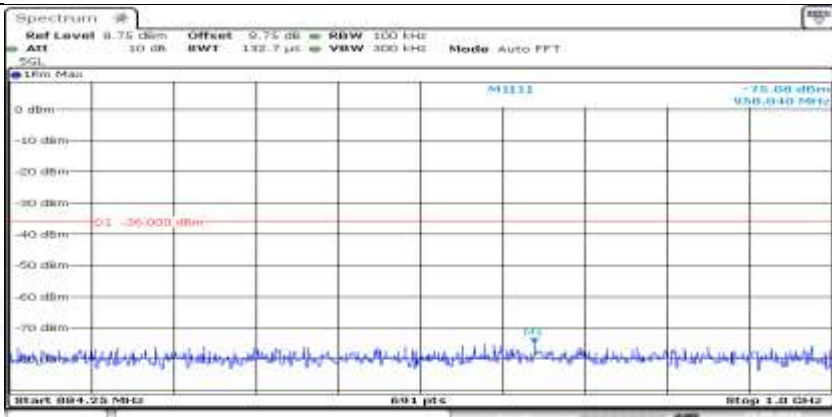
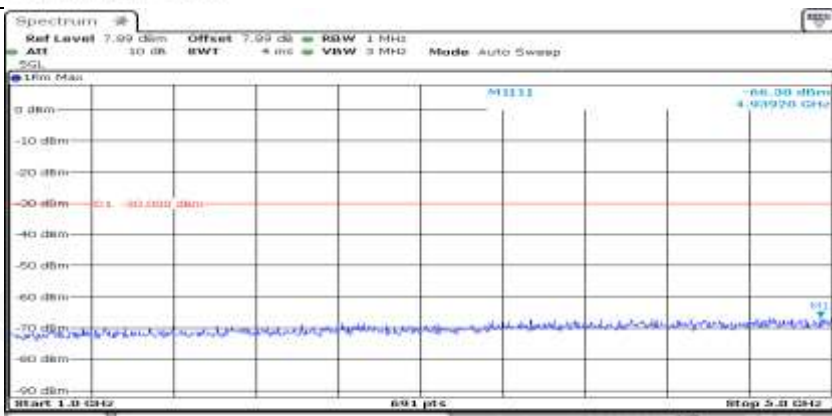
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

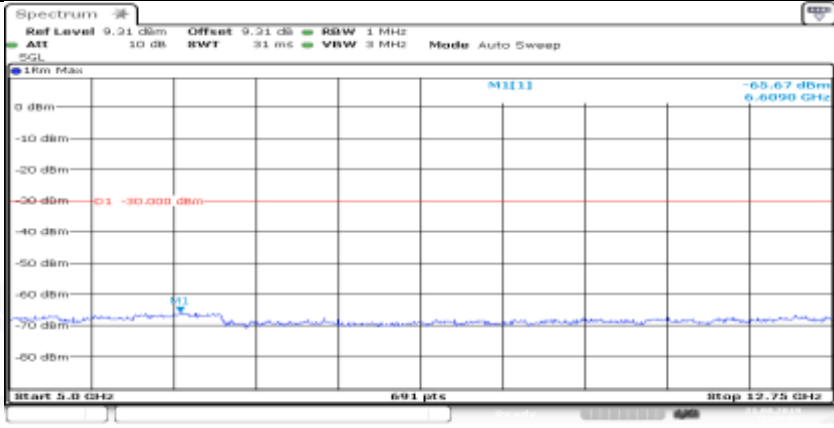
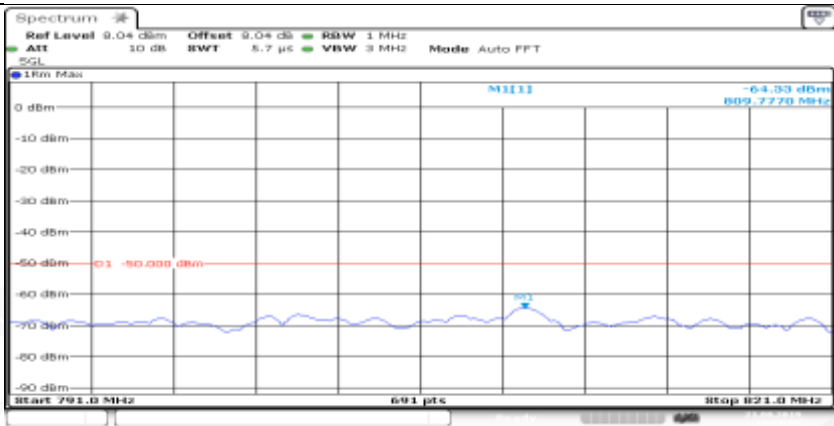

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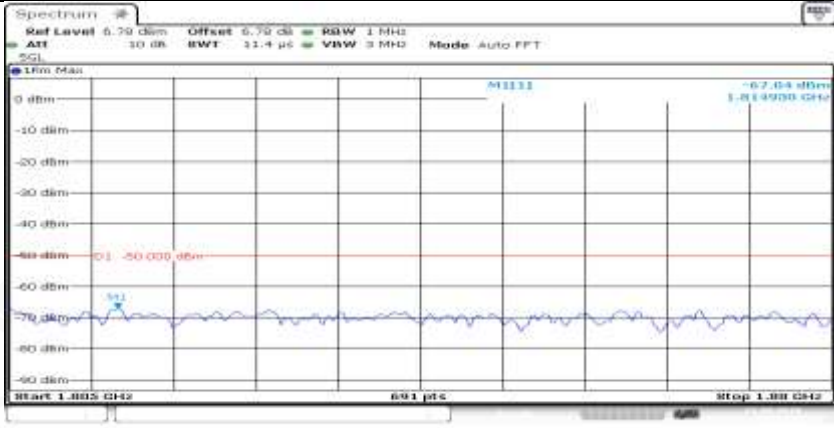

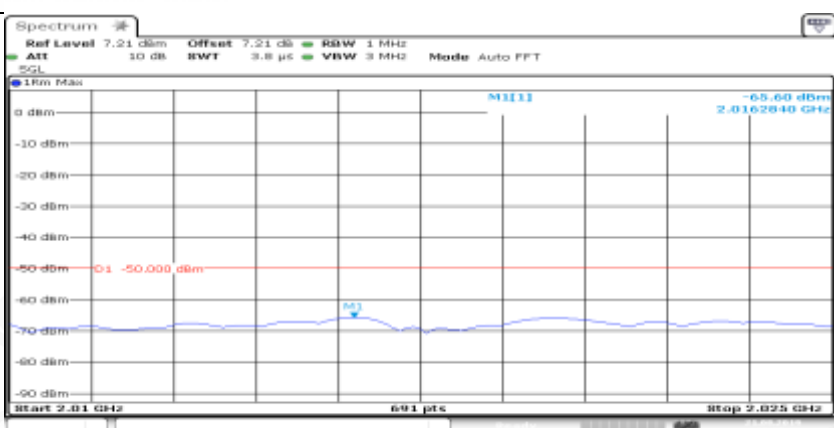


General	
General	
General	



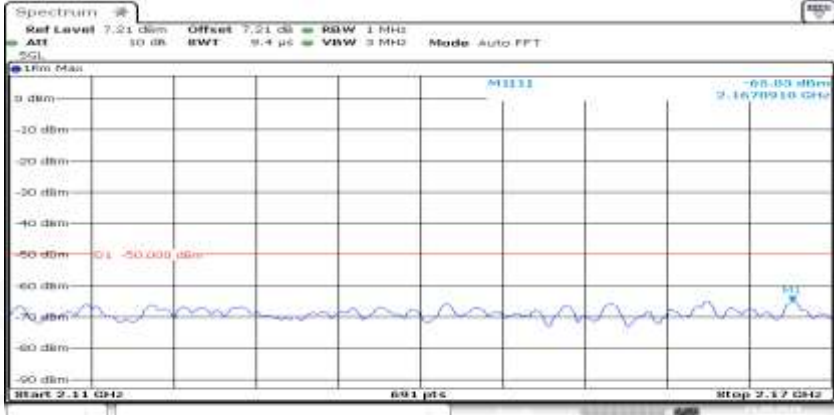
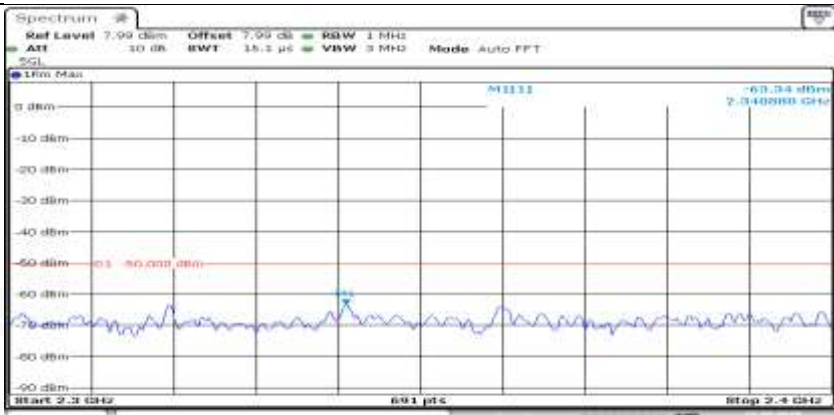

General	
Co-existence	
Co-existence	



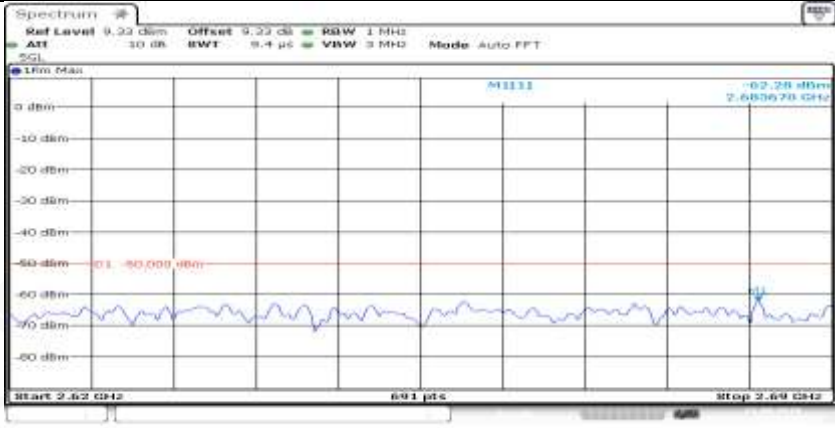
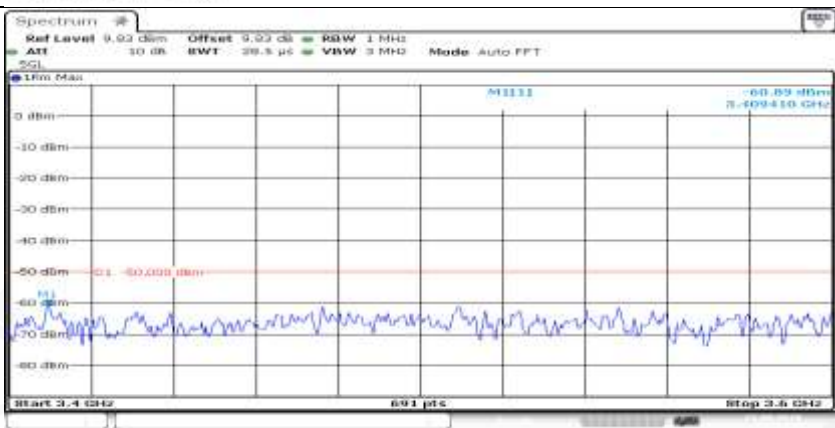
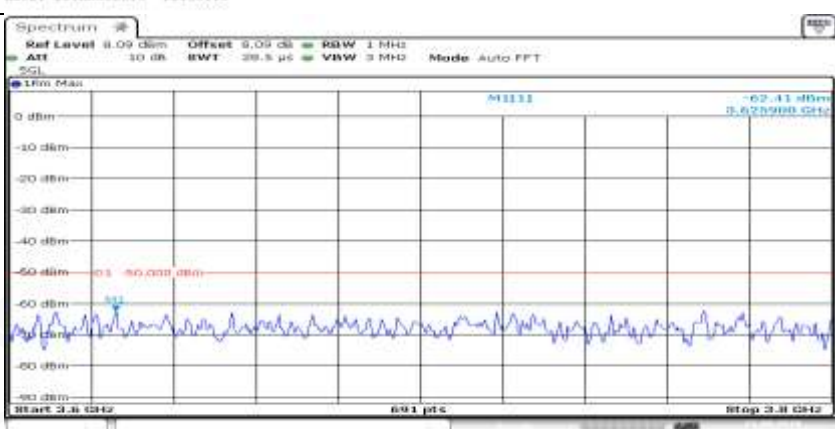
Co-existence	
Co-existence	
Co-existence	



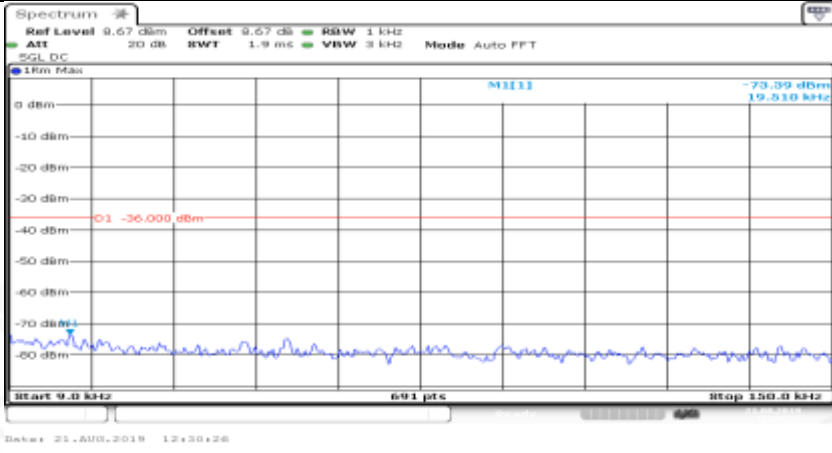
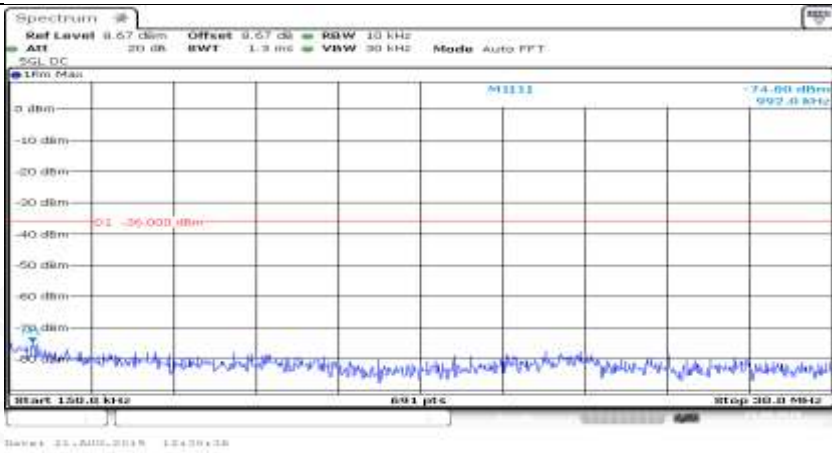
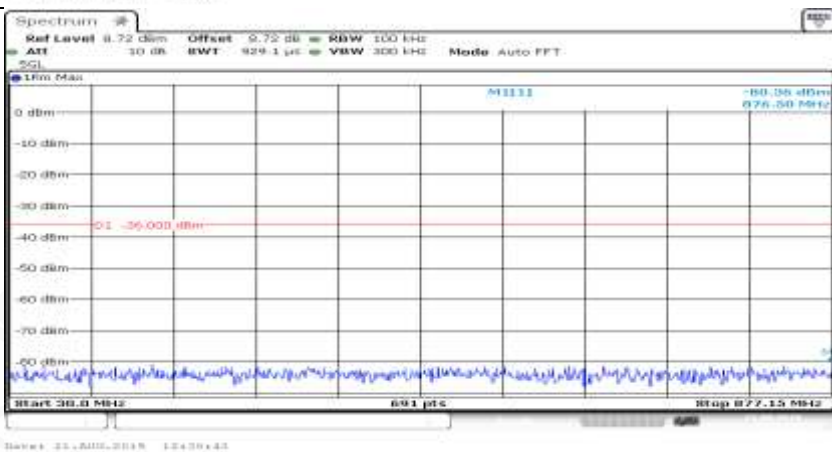


Co-existence	
Co-existence	
Co-existence	

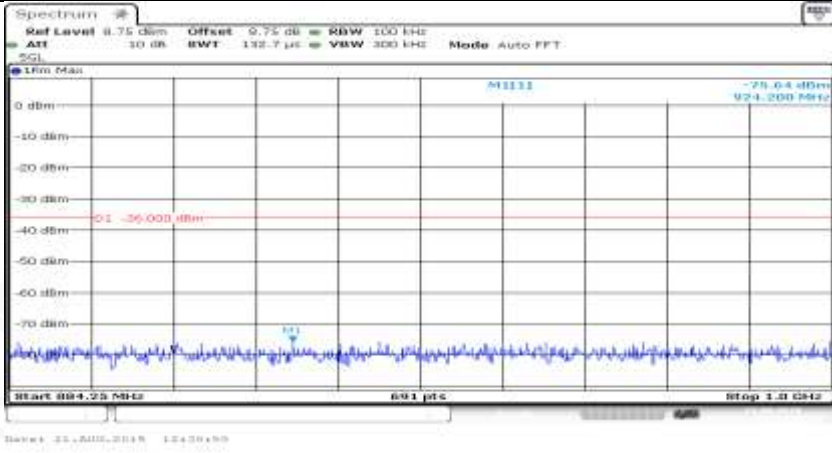
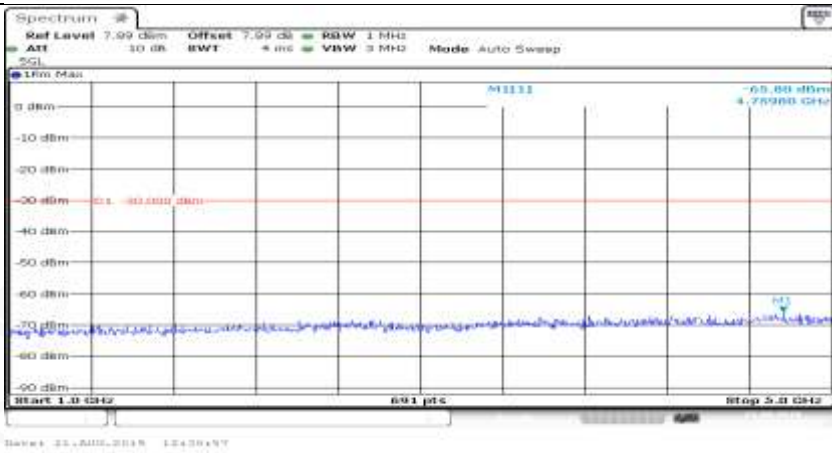
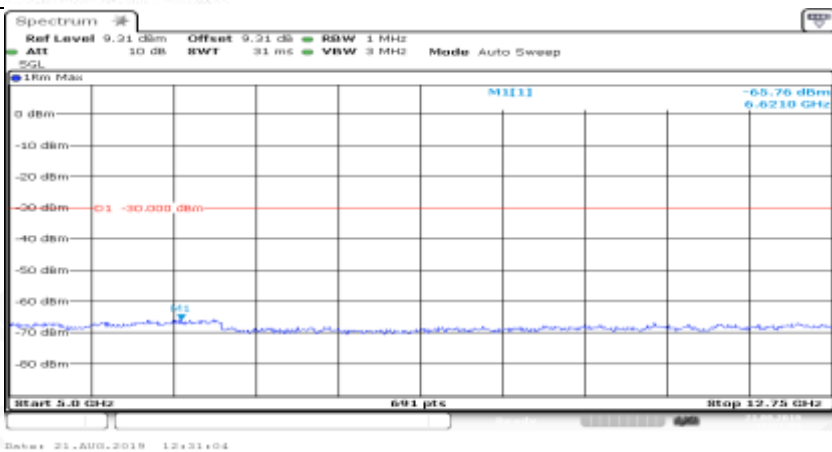


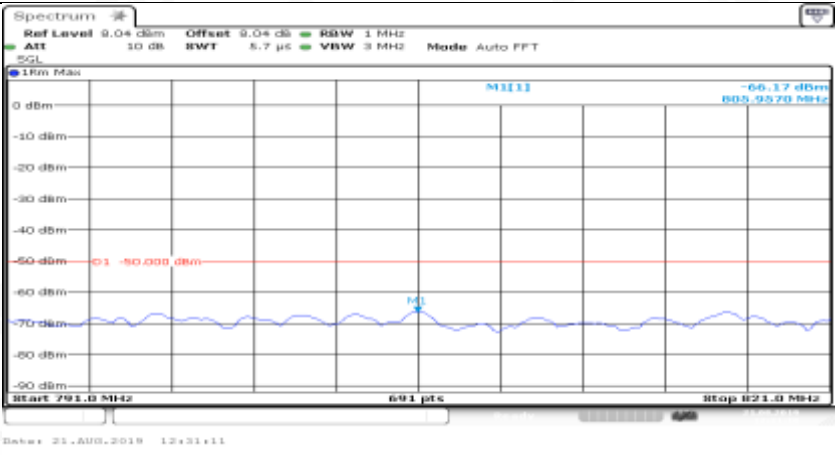
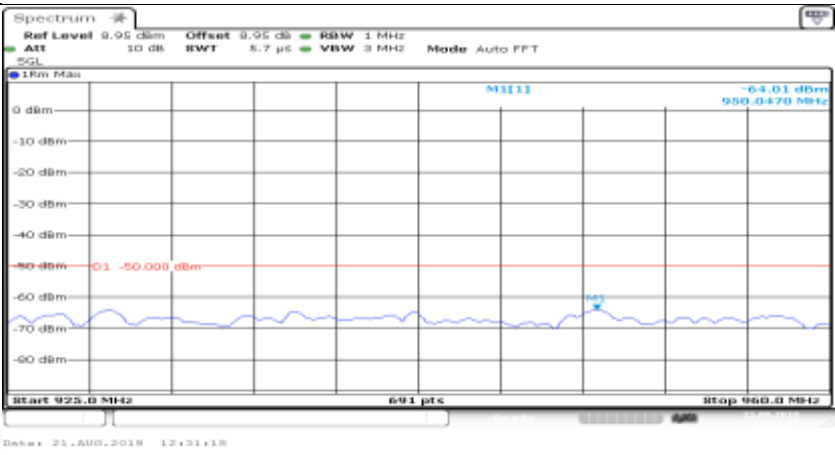
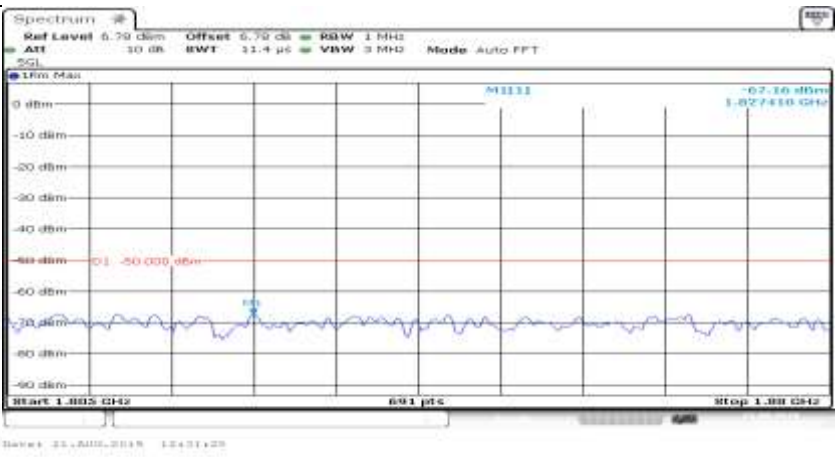
Co-existence	
Co-existence	
Co-existence	
Additional	NA

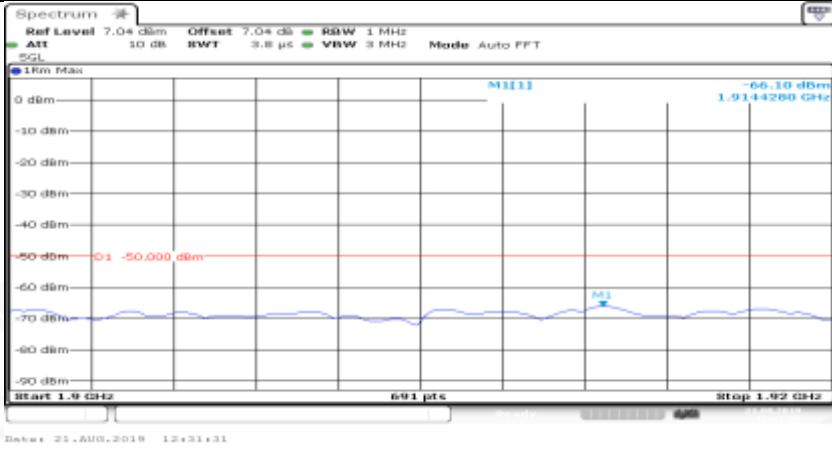
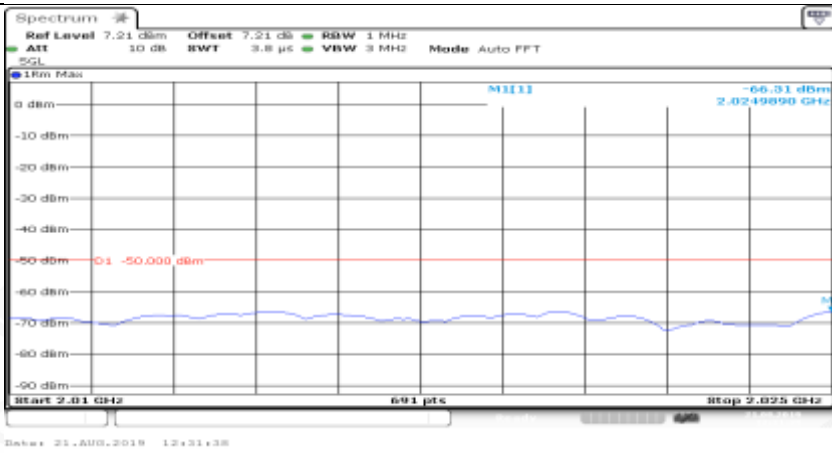
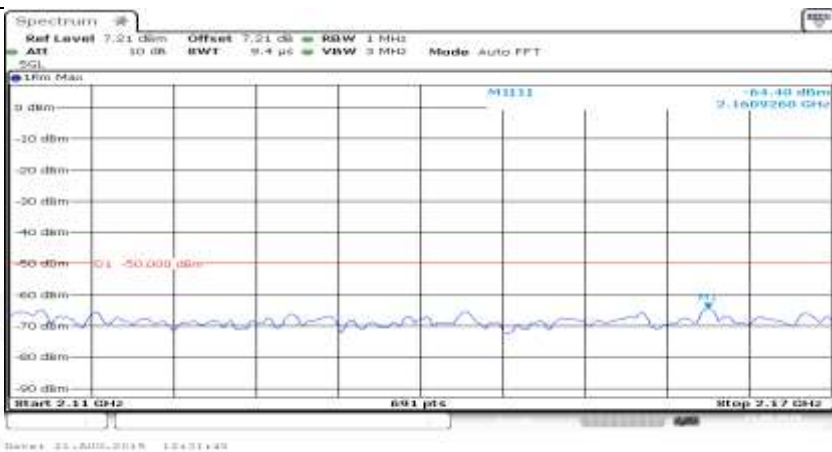
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_LCH\_1RB#max

General	
General	
General	

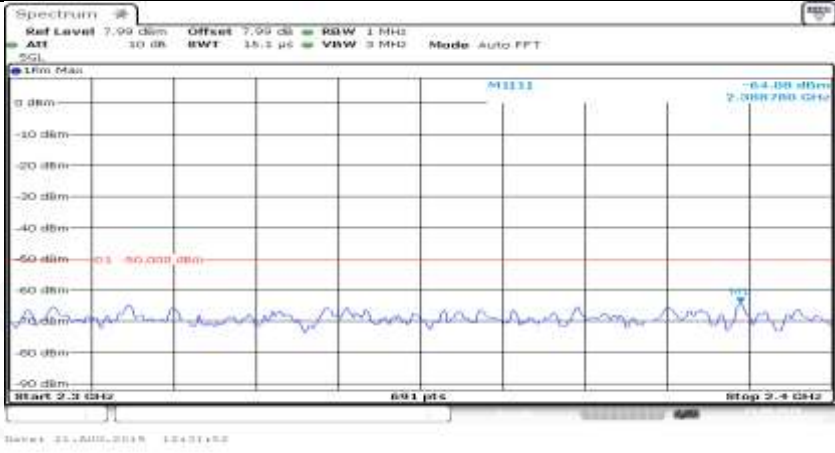
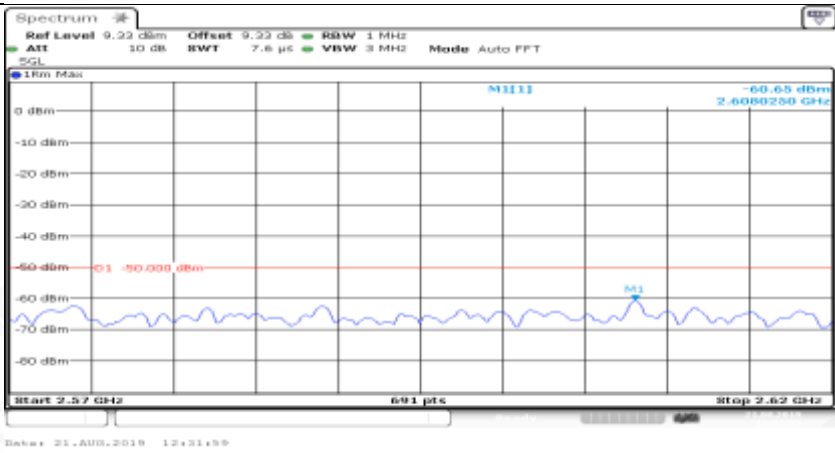
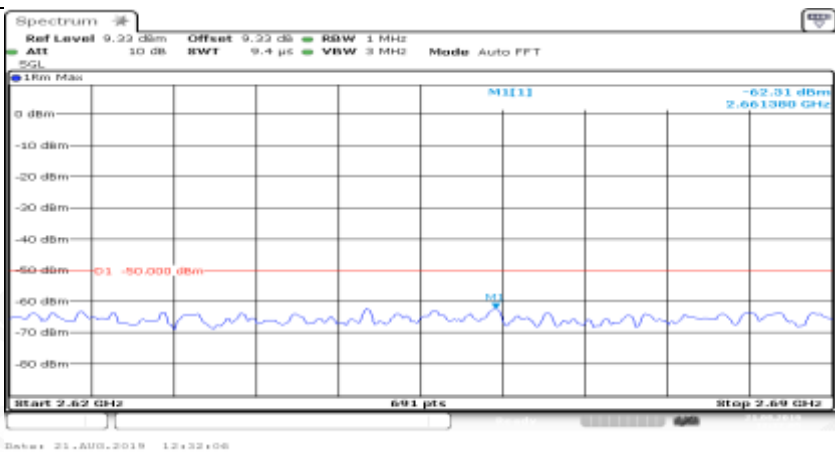



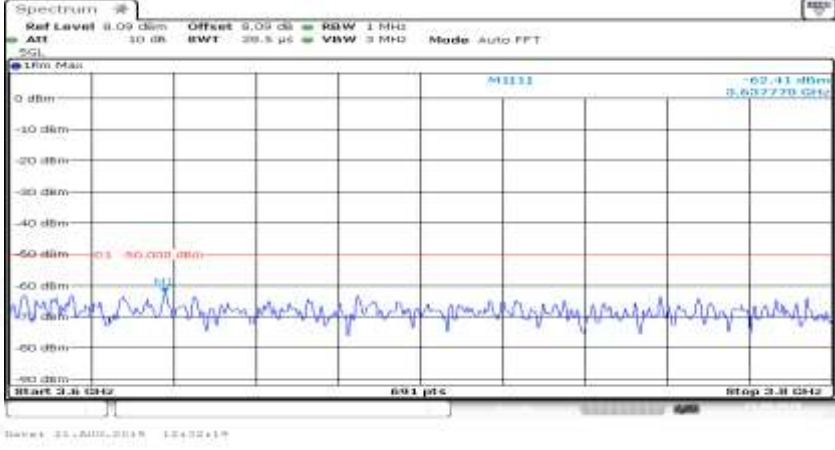
General	 <p>Spectrum</p> <p>Ref Level 8.75 dBm Offset 9.75 dB RBW 100 kHz</p> <p>ATT 10 dB BW 132.7 µs VBW 300 kHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm -75.64 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -30.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 4.25 MHz Stop 4.30 MHz</p> <p>691 pts</p> <p>21.AUG.2018 12:30:50</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm -65.89 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -30.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 1.0 GHz Stop 1.05 GHz</p> <p>691 pts</p> <p>21.AUG.2018 12:30:57</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm -65.76 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -30.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz Stop 5.25 GHz</p> <p>691 pts</p> <p>21.AUG.2018 12:31:04</p>

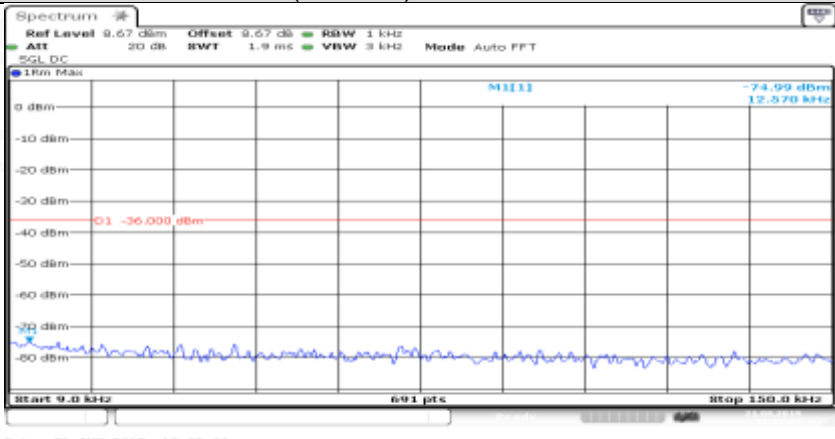
Co-existence	
Co-existence	
Co-existence	

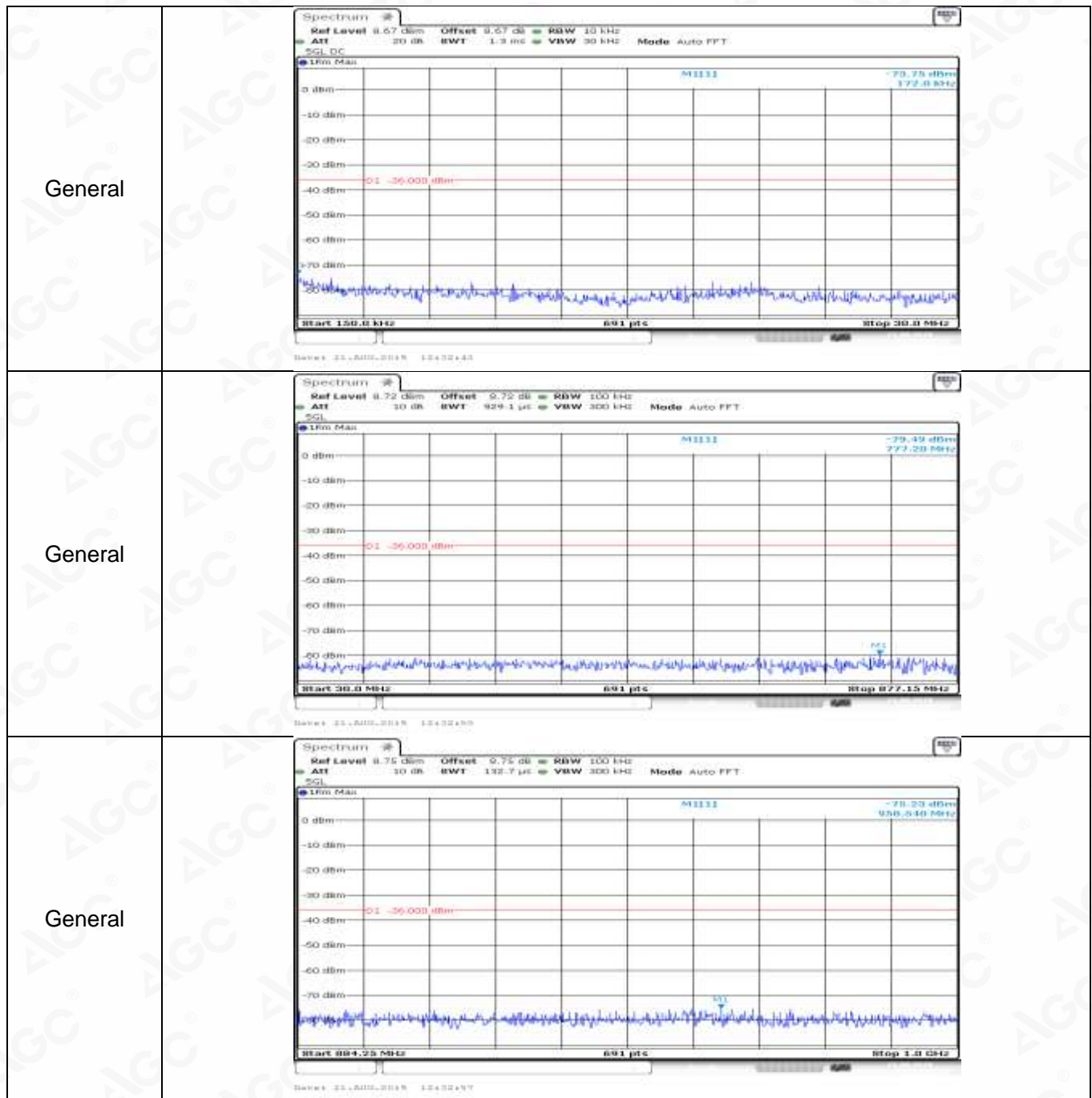
Co-existence	
Co-existence	
Co-existence	



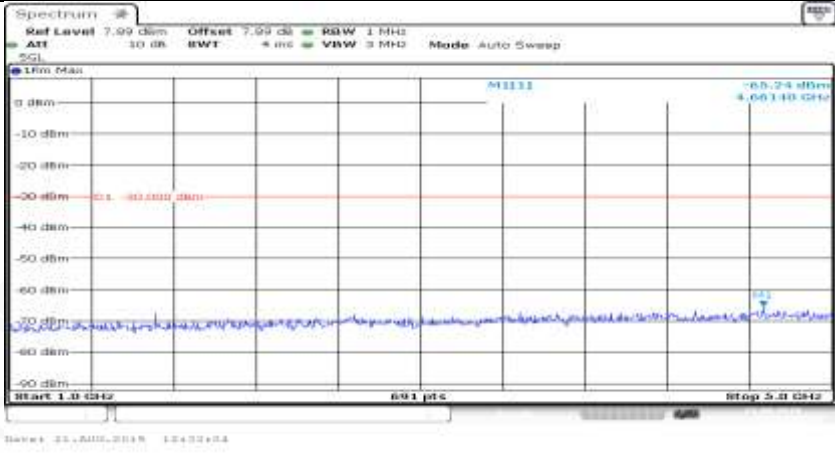
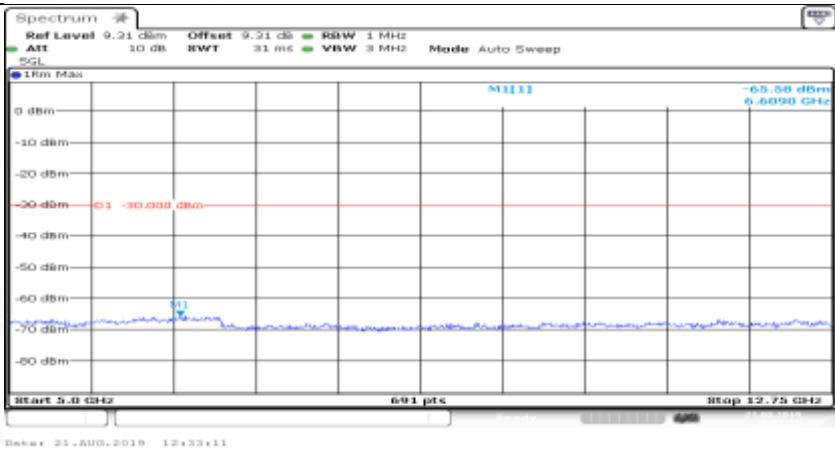
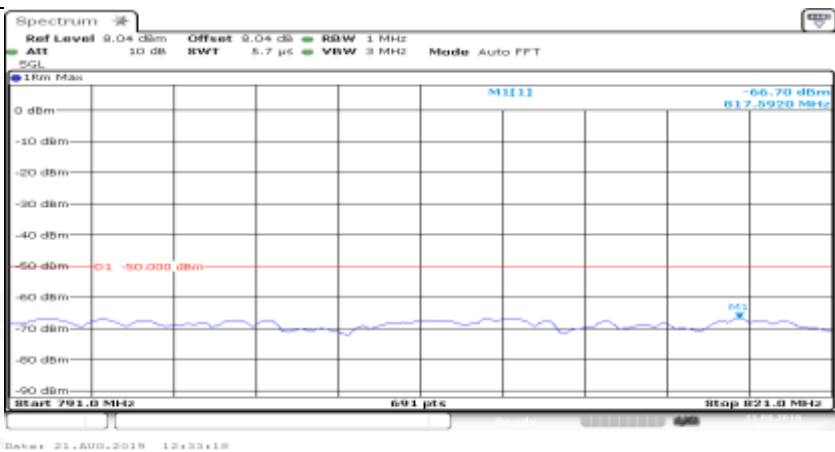
Co-existence	
Co-existence	
Co-existence	

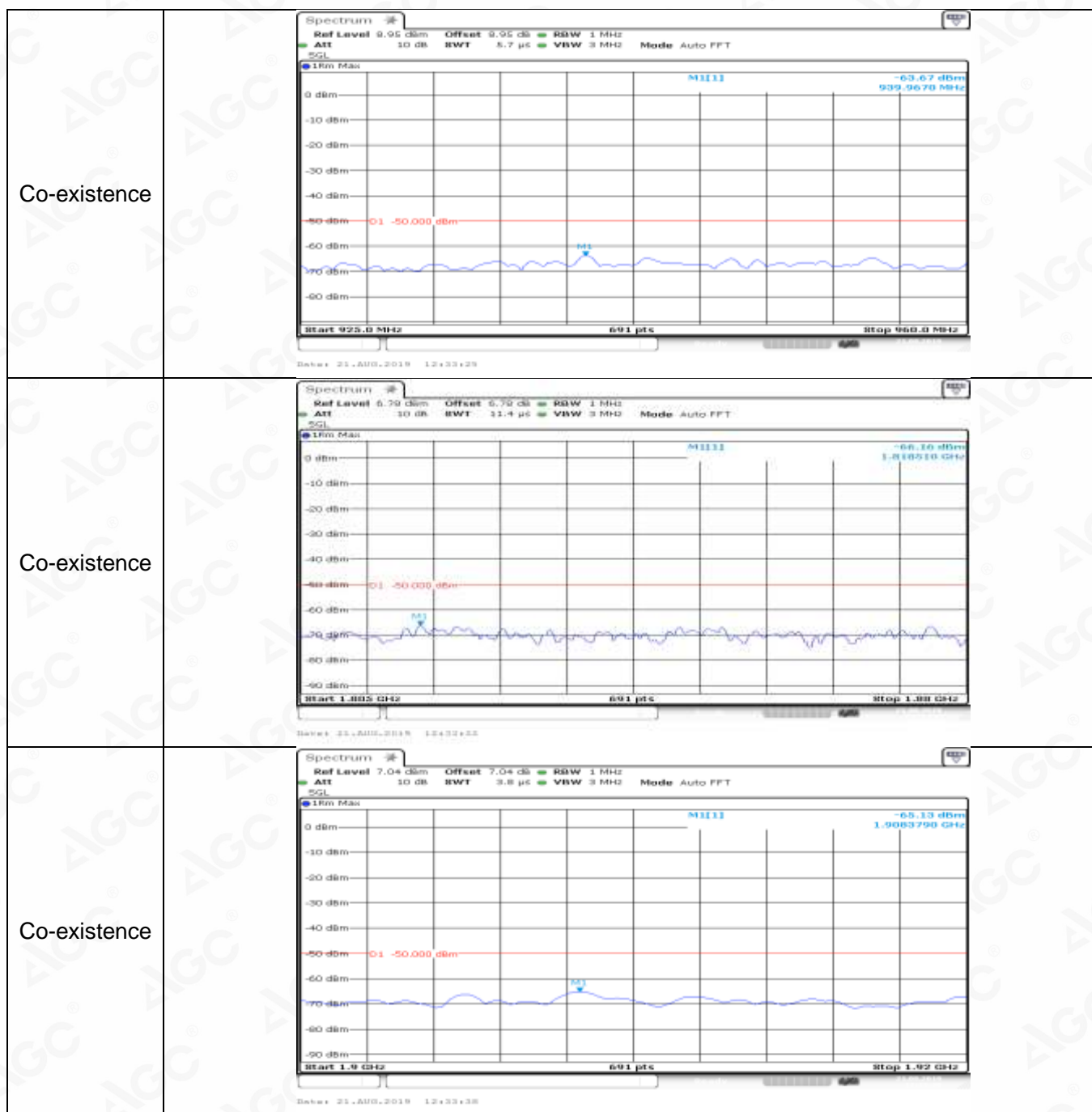
Co-existence	
Co-existence	
Additional	NA

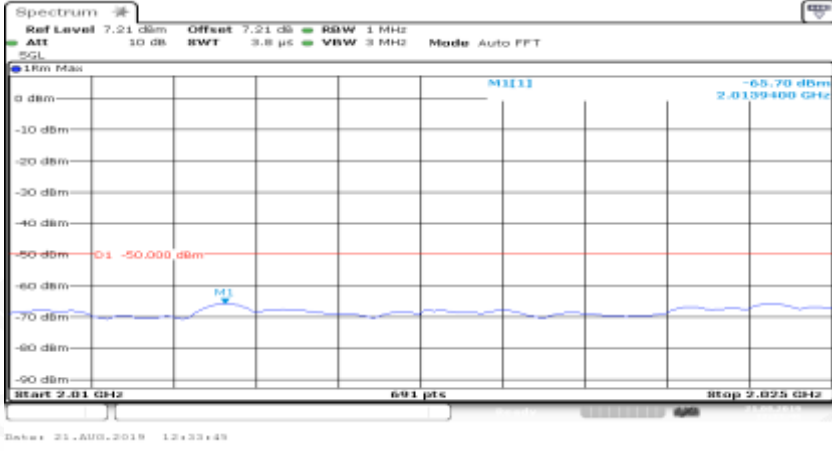

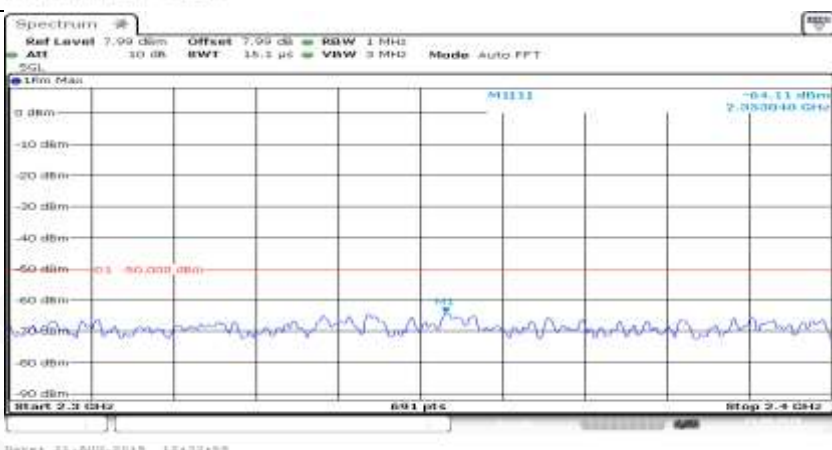
Channel Bandwidth=Lowest (1.4 MHz)_QPSK_LCH_FullRB#0	
General	





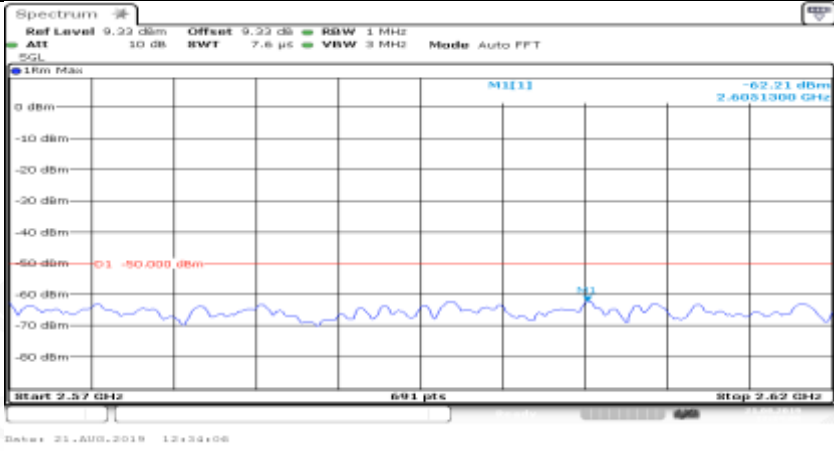


General	
General	
Co-existence	



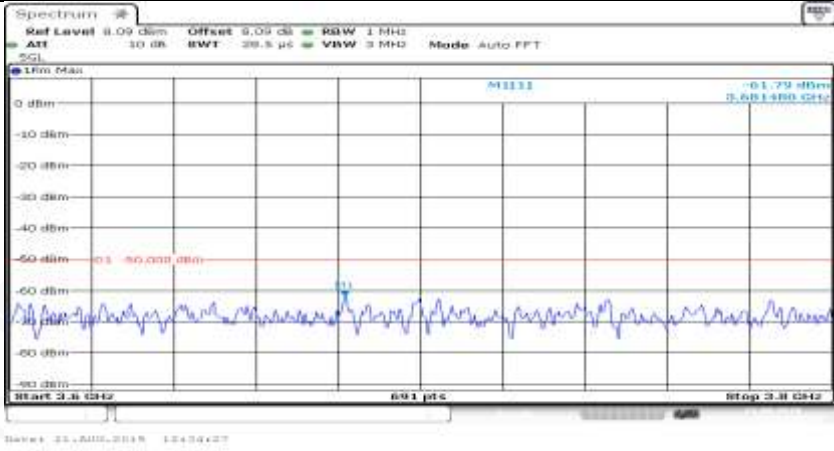
Co-existence	
Co-existence	
Co-existence	



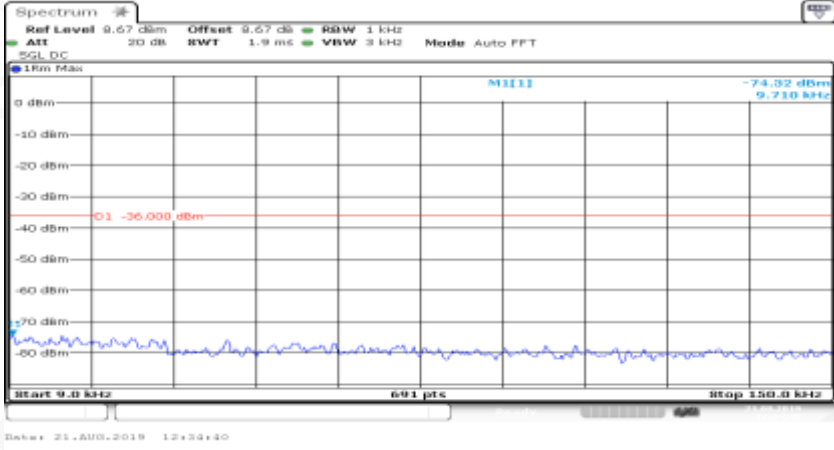
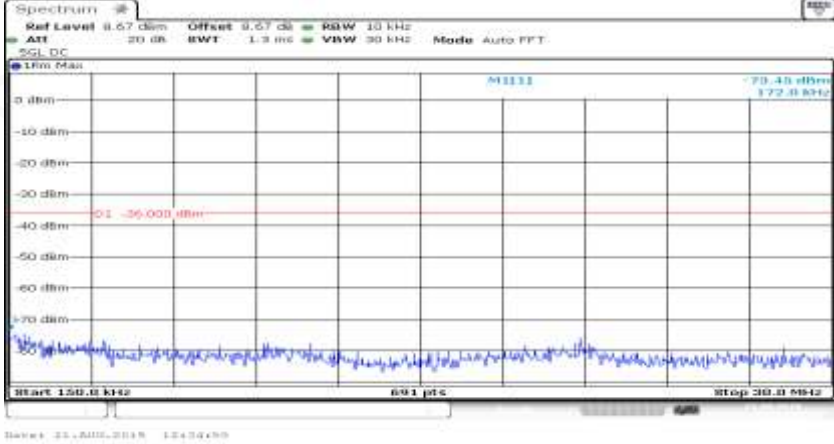


Co-existence	
Co-existence	
Co-existence	

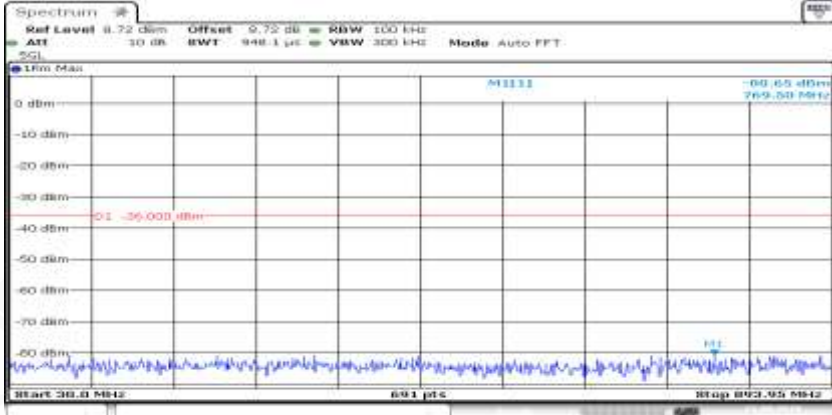
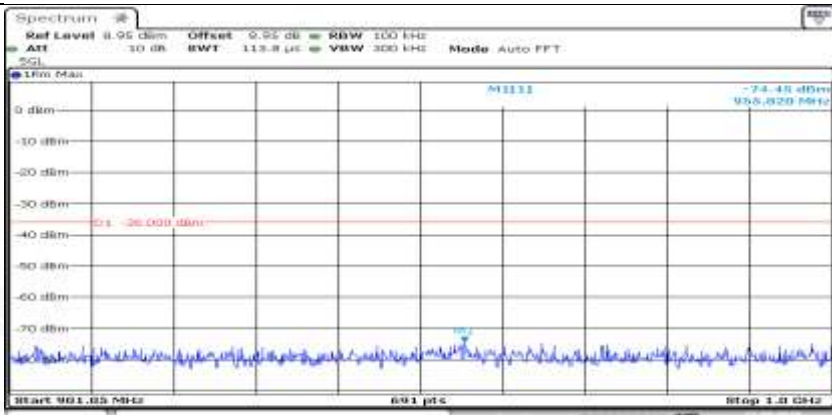
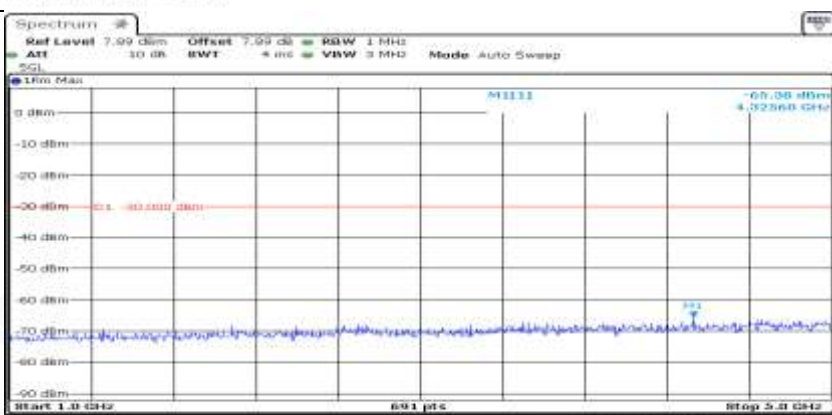


Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#0

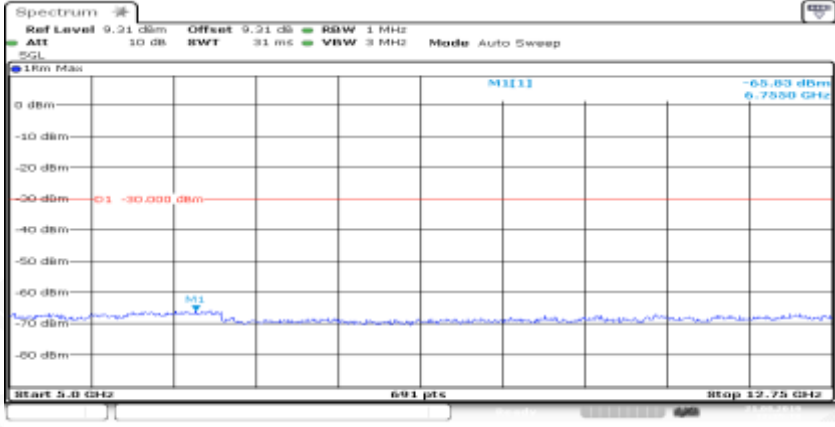
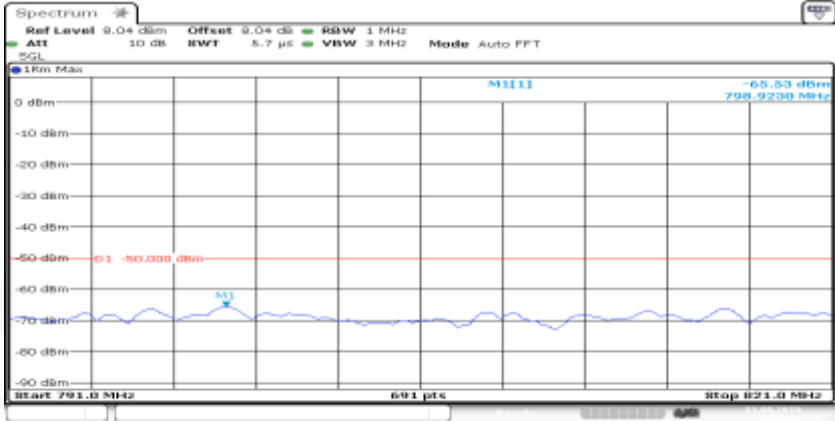
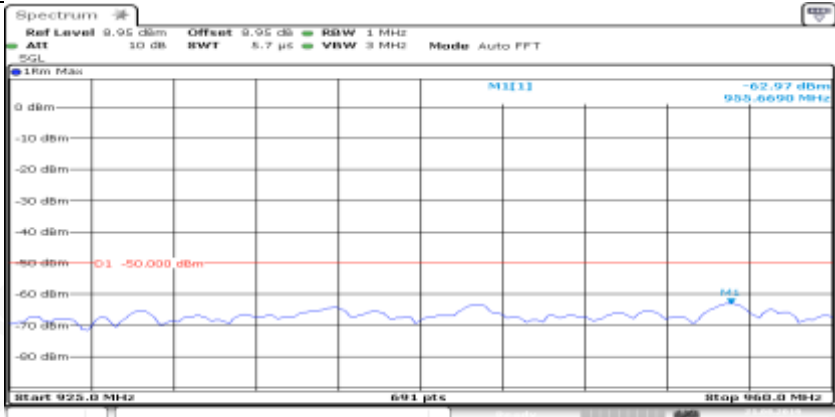
General	
General	

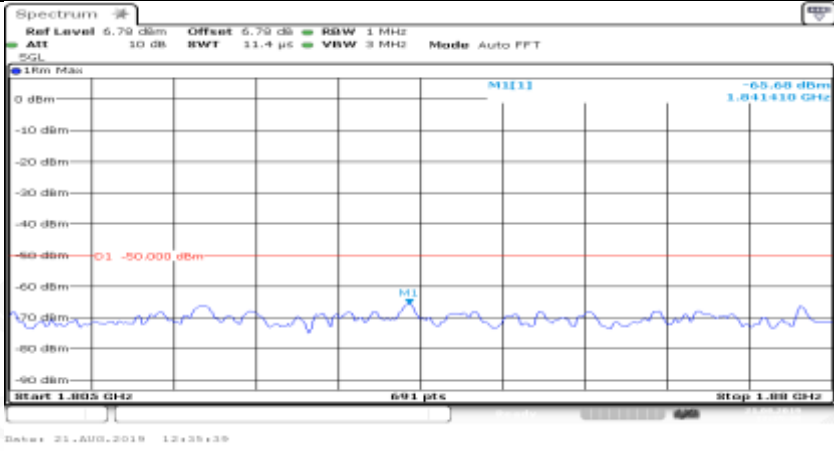
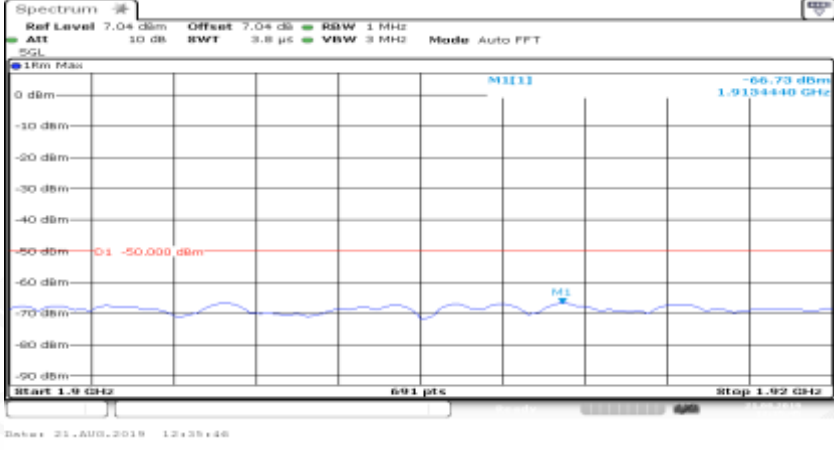
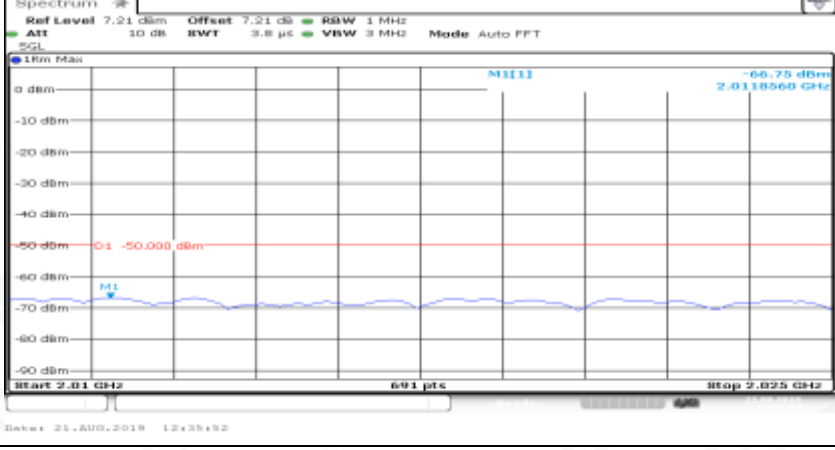


General	
General	
General	

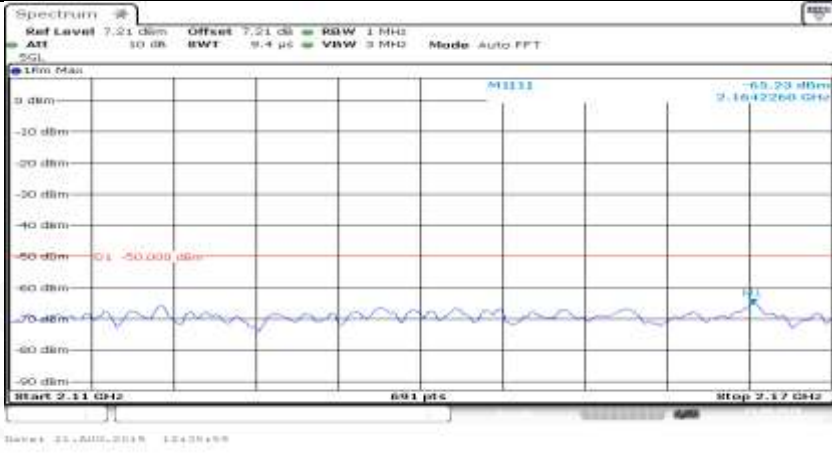
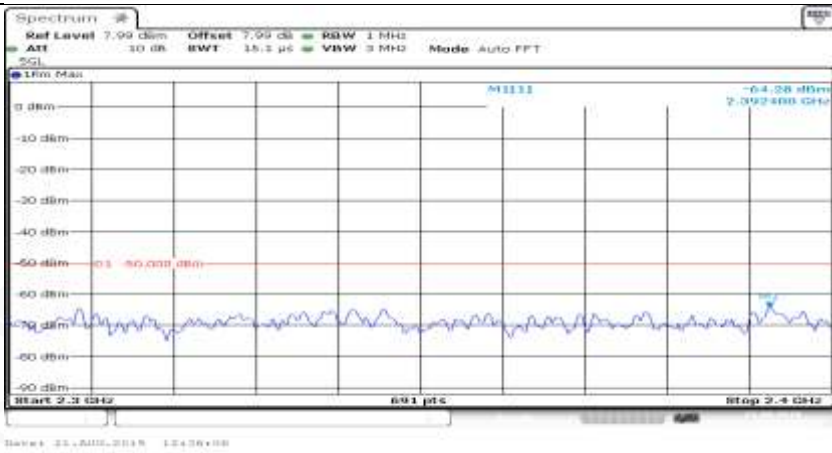
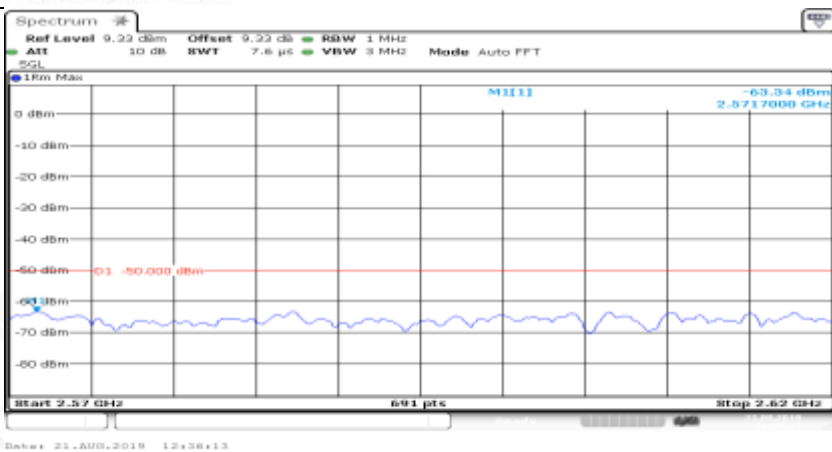





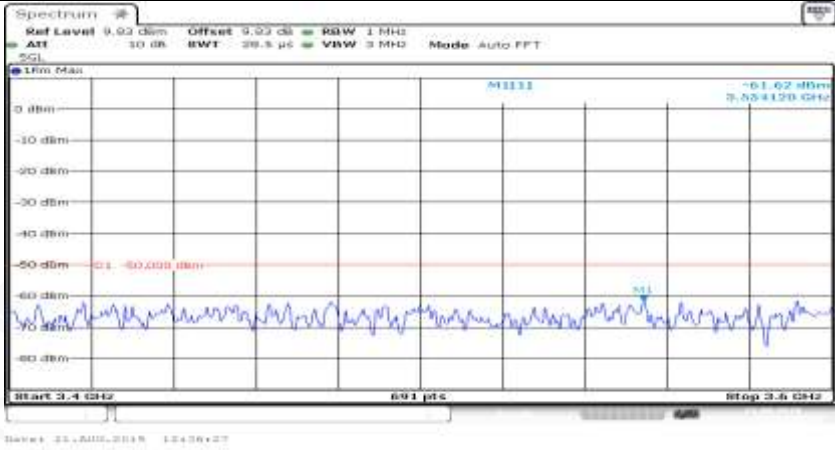
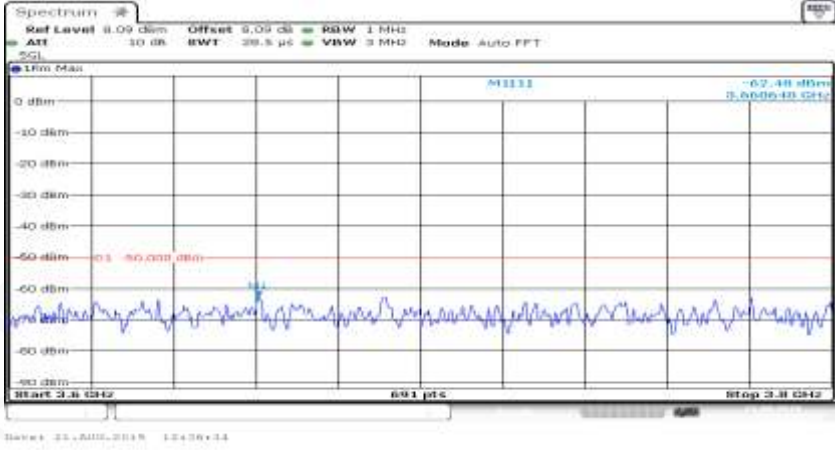
General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 12:35:18</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 21.AUG.2019 12:35:29</p>
Co-existence	 <p>Start 925.0 MHz Stop 950.0 MHz</p> <p>Date: 21.AUG.2019 12:35:32</p>

Co-existence	
Co-existence	
Co-existence	

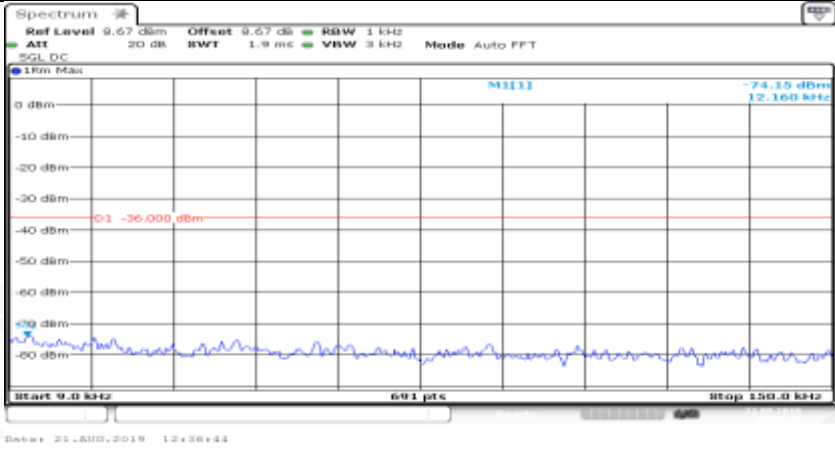
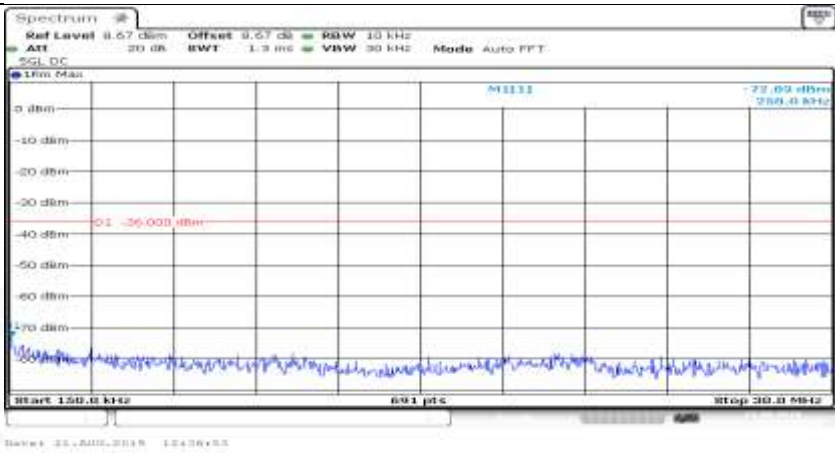
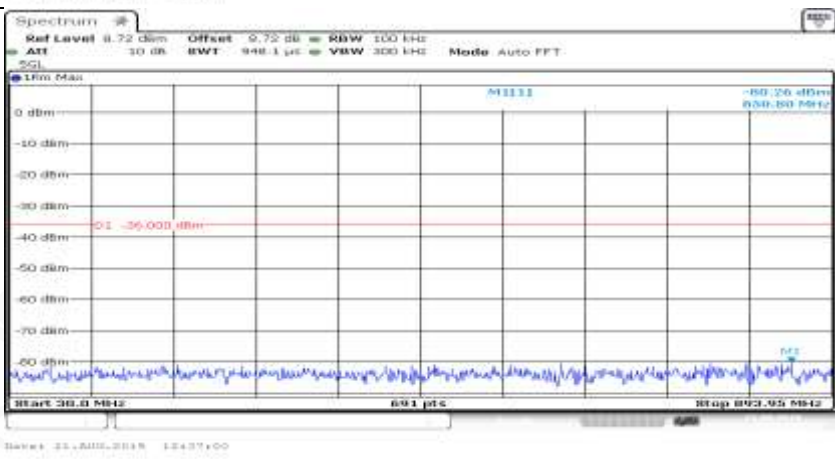


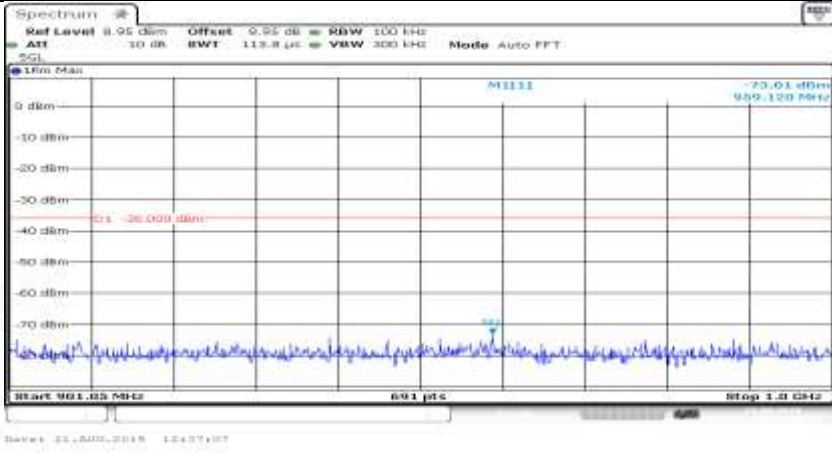
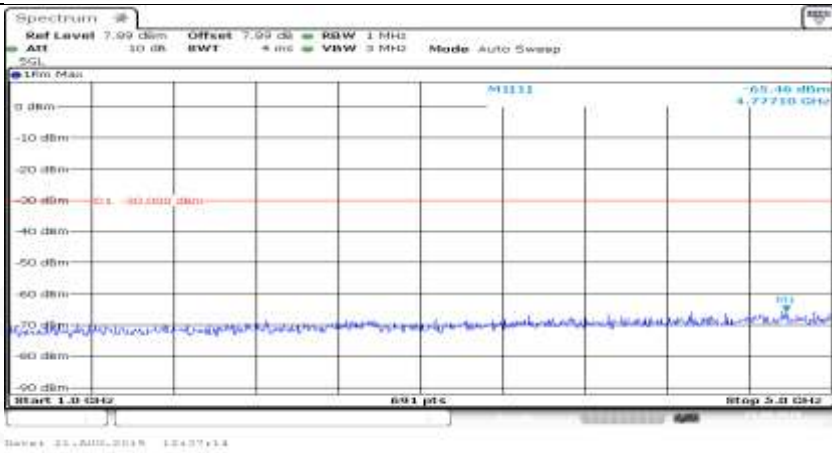
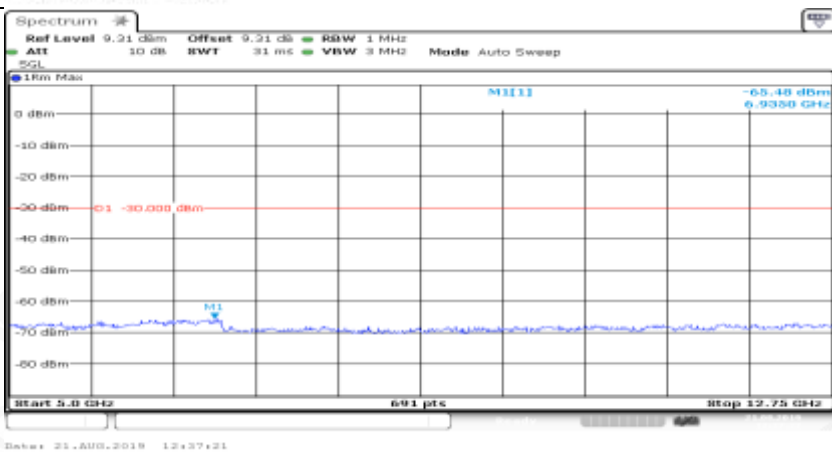
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA

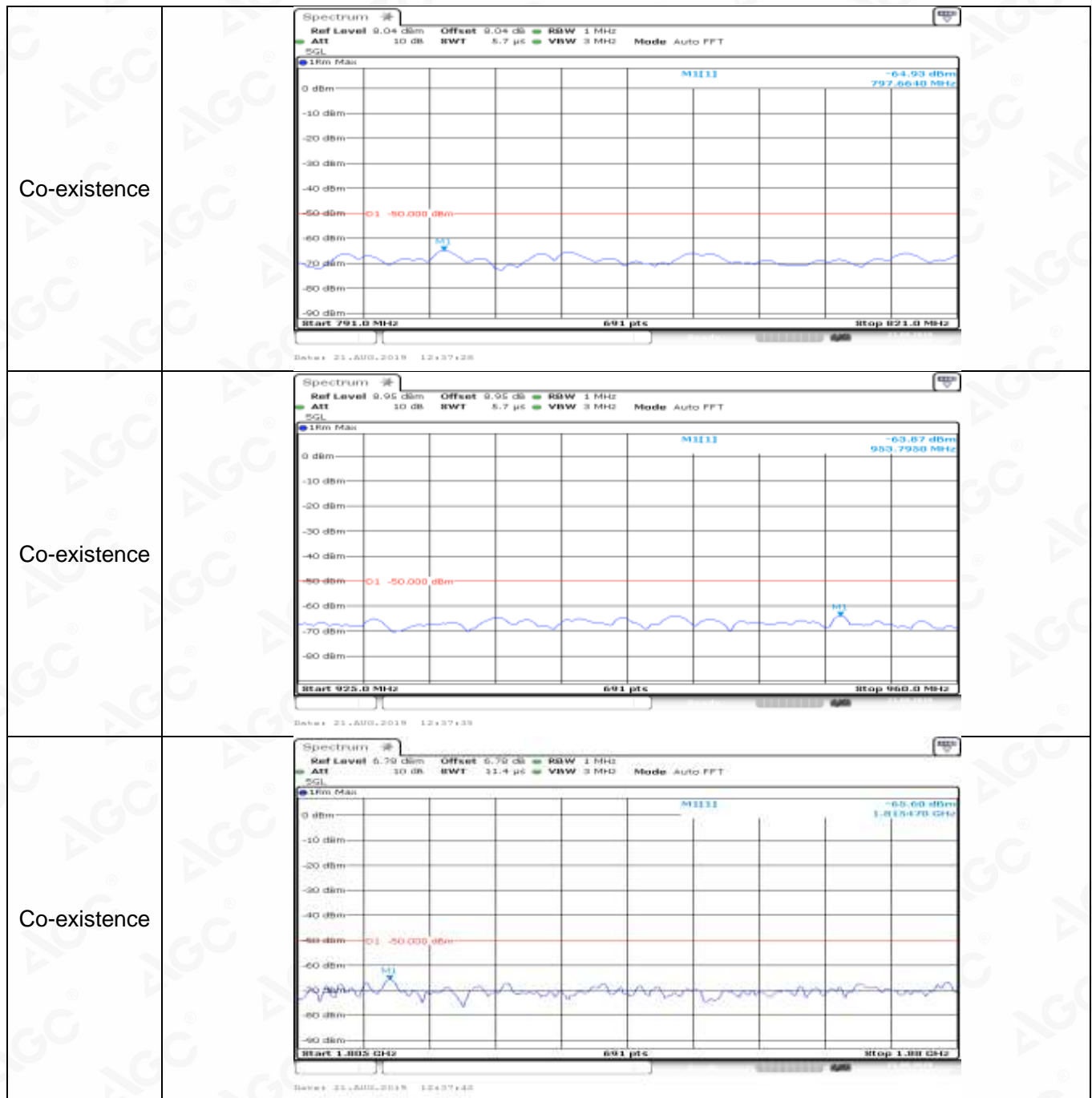
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_MCH\_1RB#max

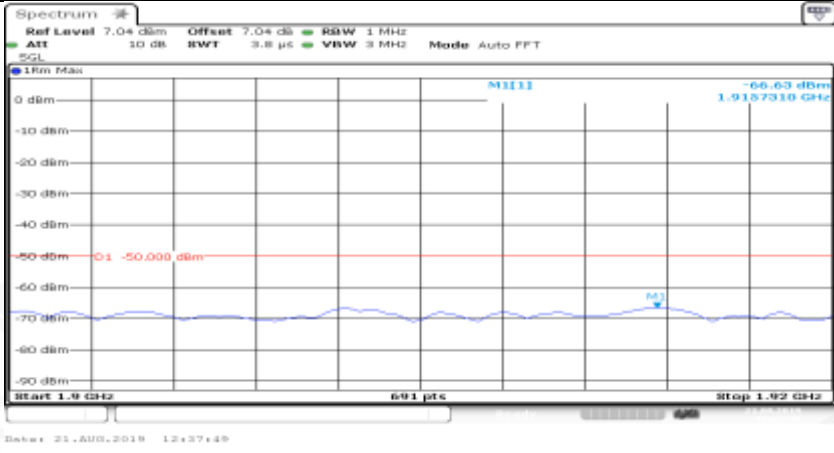
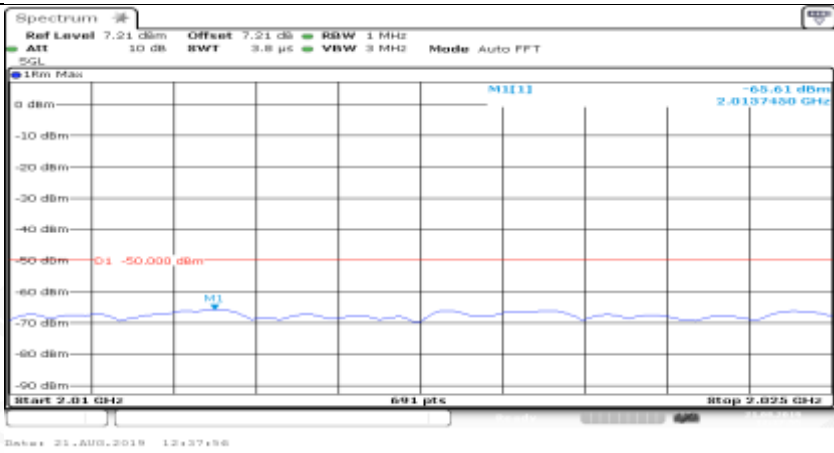
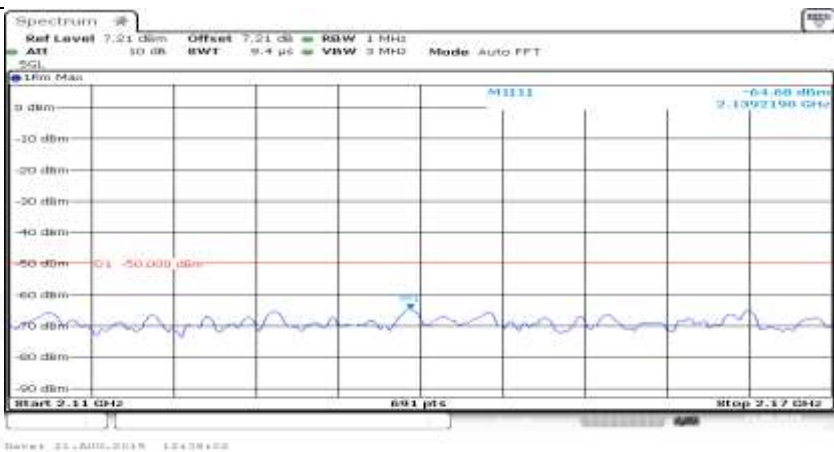
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>100L Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz</p> <p>691 pts</p> <p>Stop 150.0 kHz</p> <p>Peak -74.15 dBm</p> <p>12.160 kHz</p> <p>01 -36.000 dBm</p> <p>Date: 21.AUG.2019 12:38:44</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>100L Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz</p> <p>691 pts</p> <p>Stop 300.0 kHz</p> <p>Peak -72.09 dBm</p> <p>250.0 kHz</p> <p>01 -36.000 dBm</p> <p>Date: 21.AUG.2019 12:38:53</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 948.1 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>100L Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 300.0 kHz</p> <p>691 pts</p> <p>Stop 600.0 kHz</p> <p>Peak -60.26 dBm</p> <p>550.0 kHz</p> <p>01 -36.000 dBm</p> <p>Date: 21.AUG.2019 12:39:00</p>

General	
General	
General	

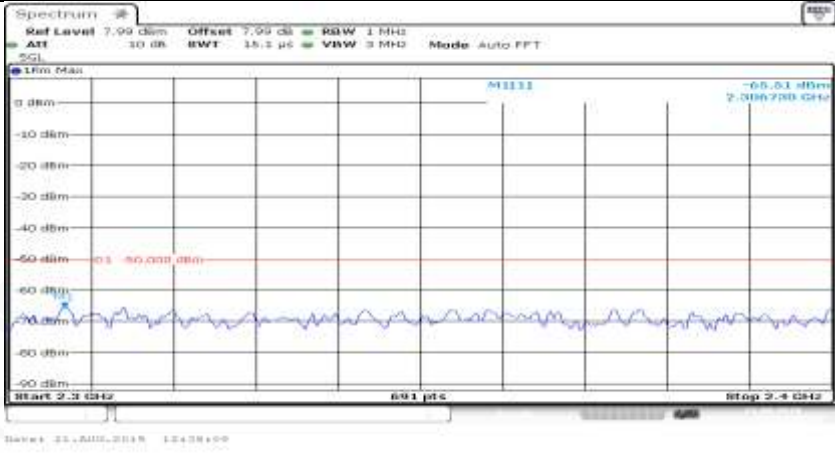
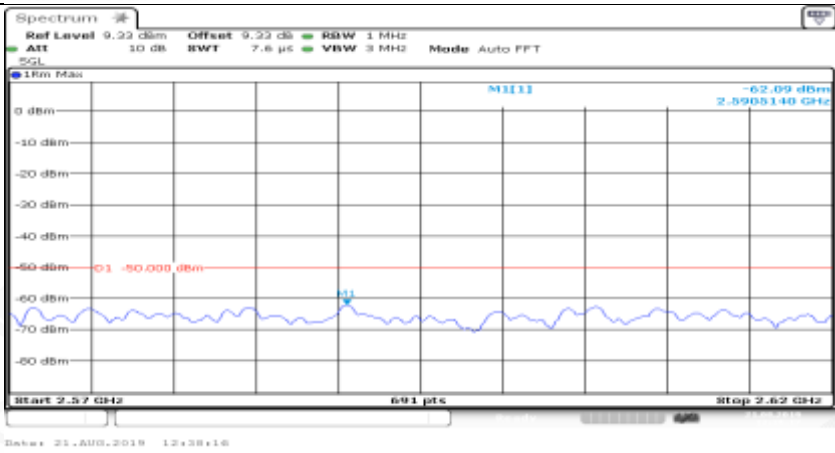





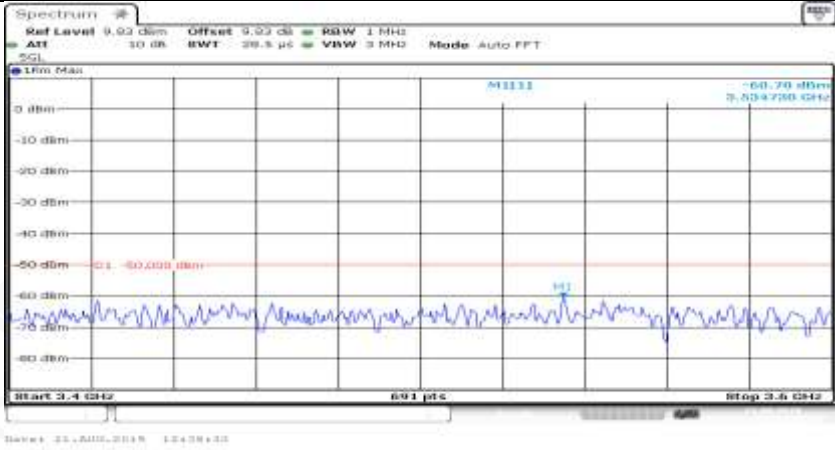
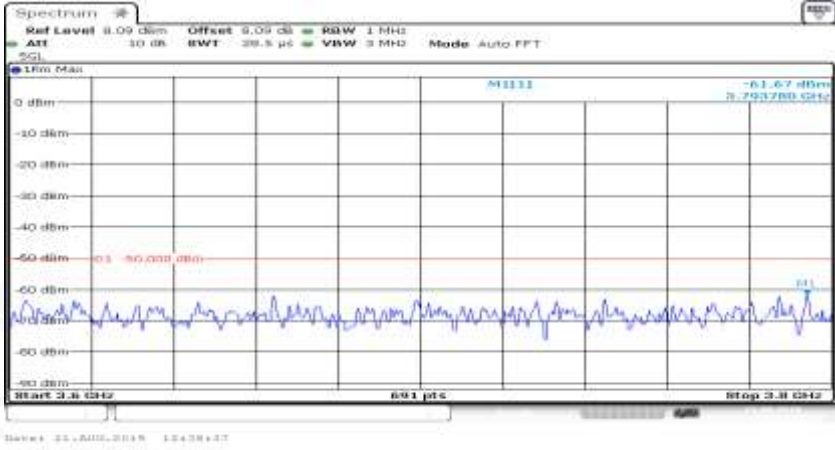


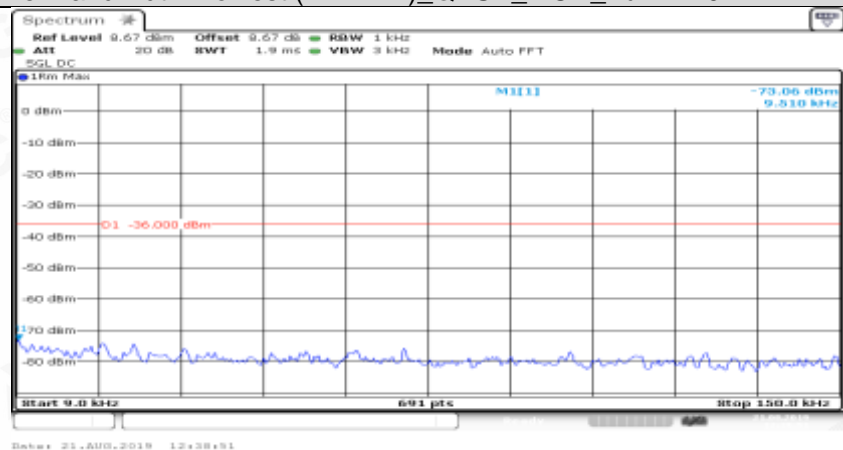
Co-existence	
Co-existence	
Co-existence	

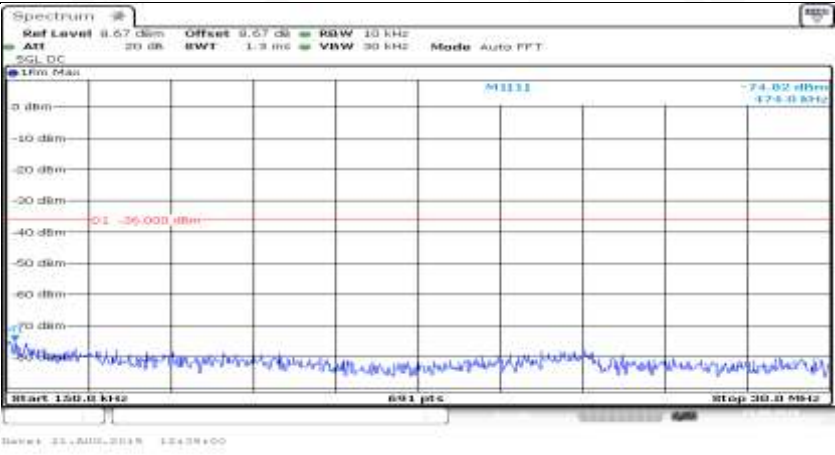
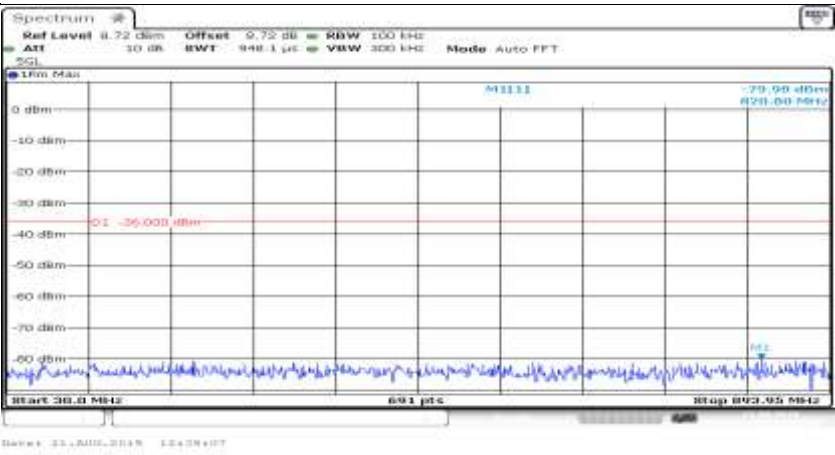
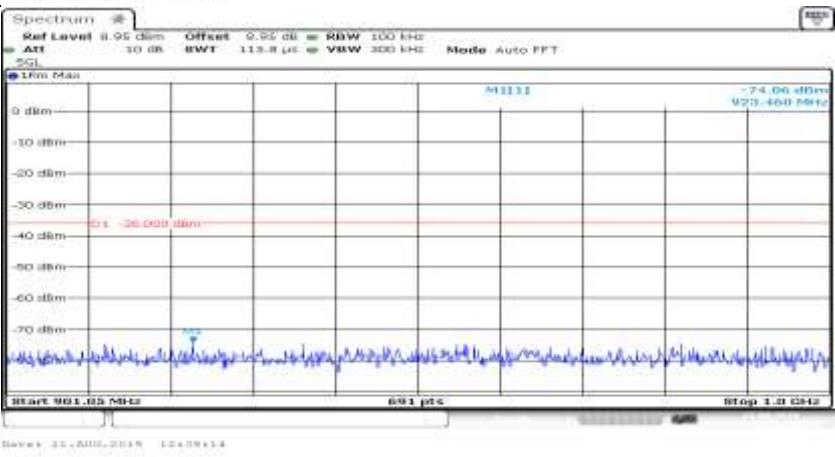


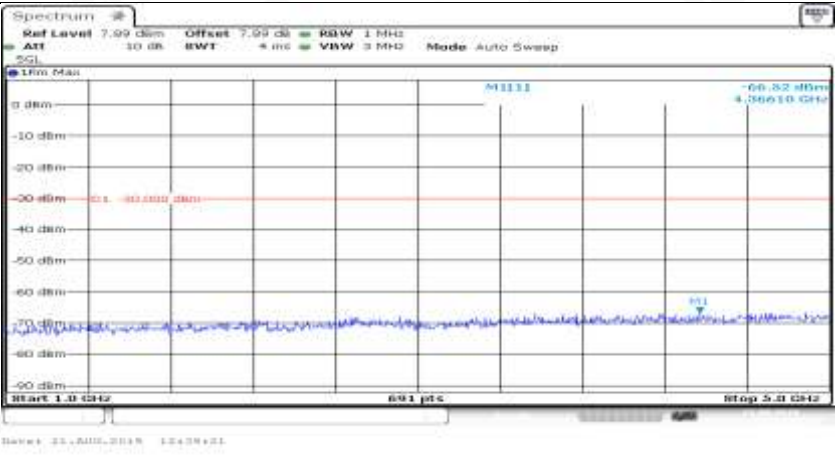

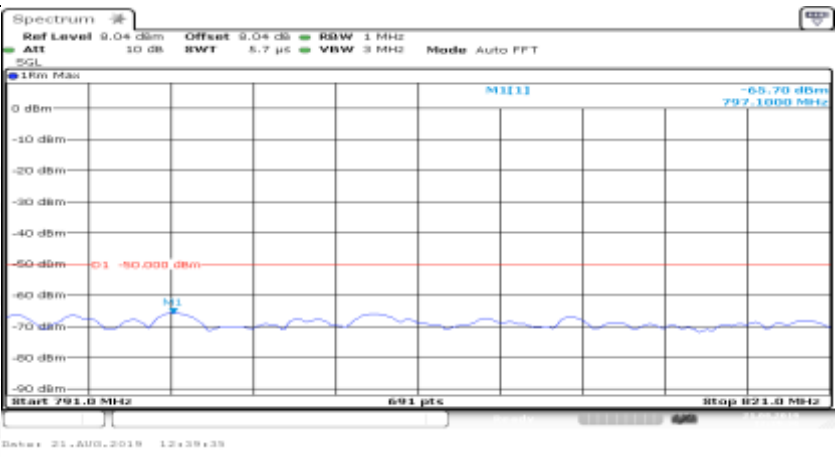
Co-existence	
Co-existence	
Co-existence	



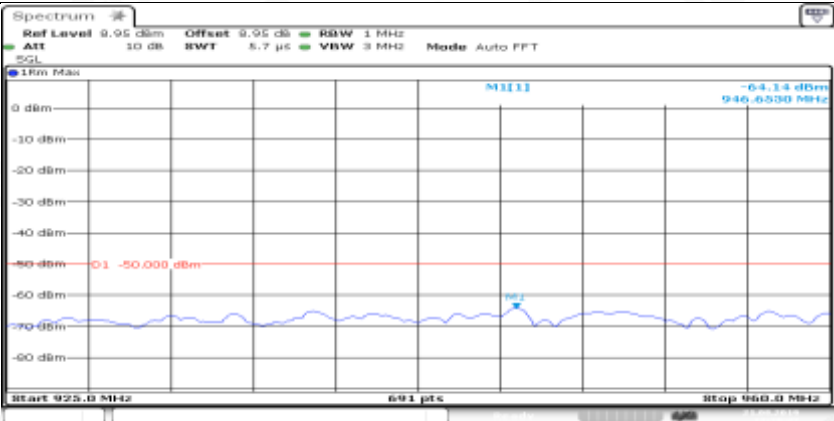
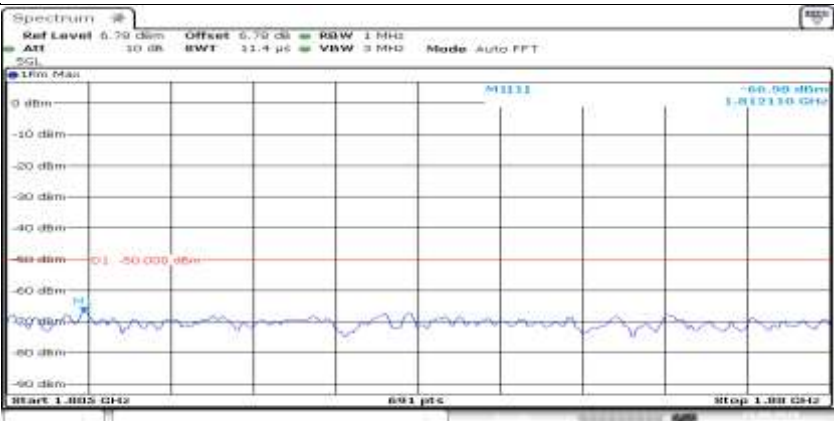
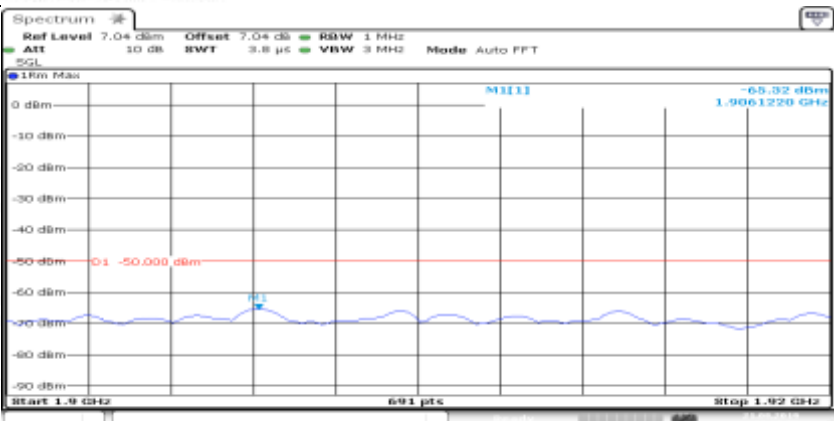
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_MCH_FullRB#0	
General	

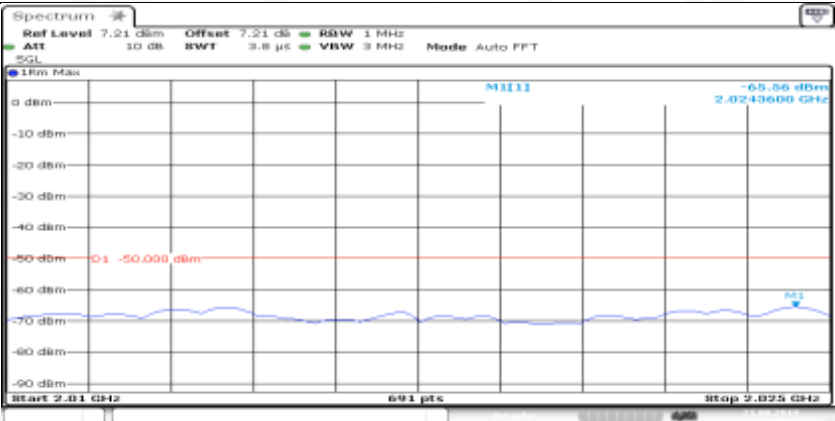

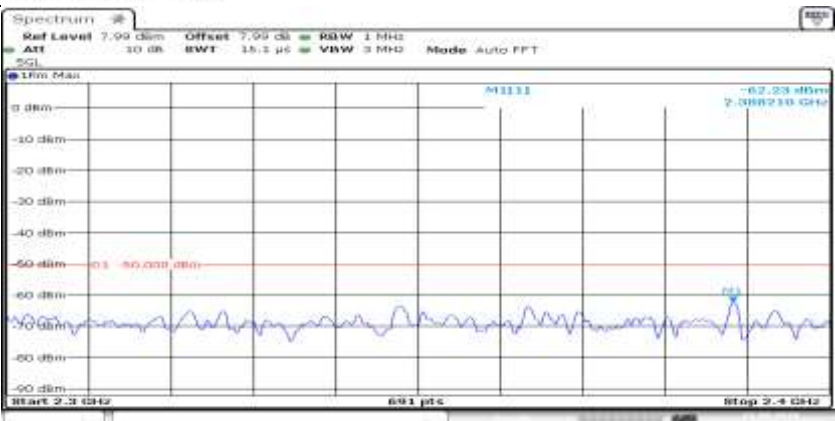
General	
General	
General	

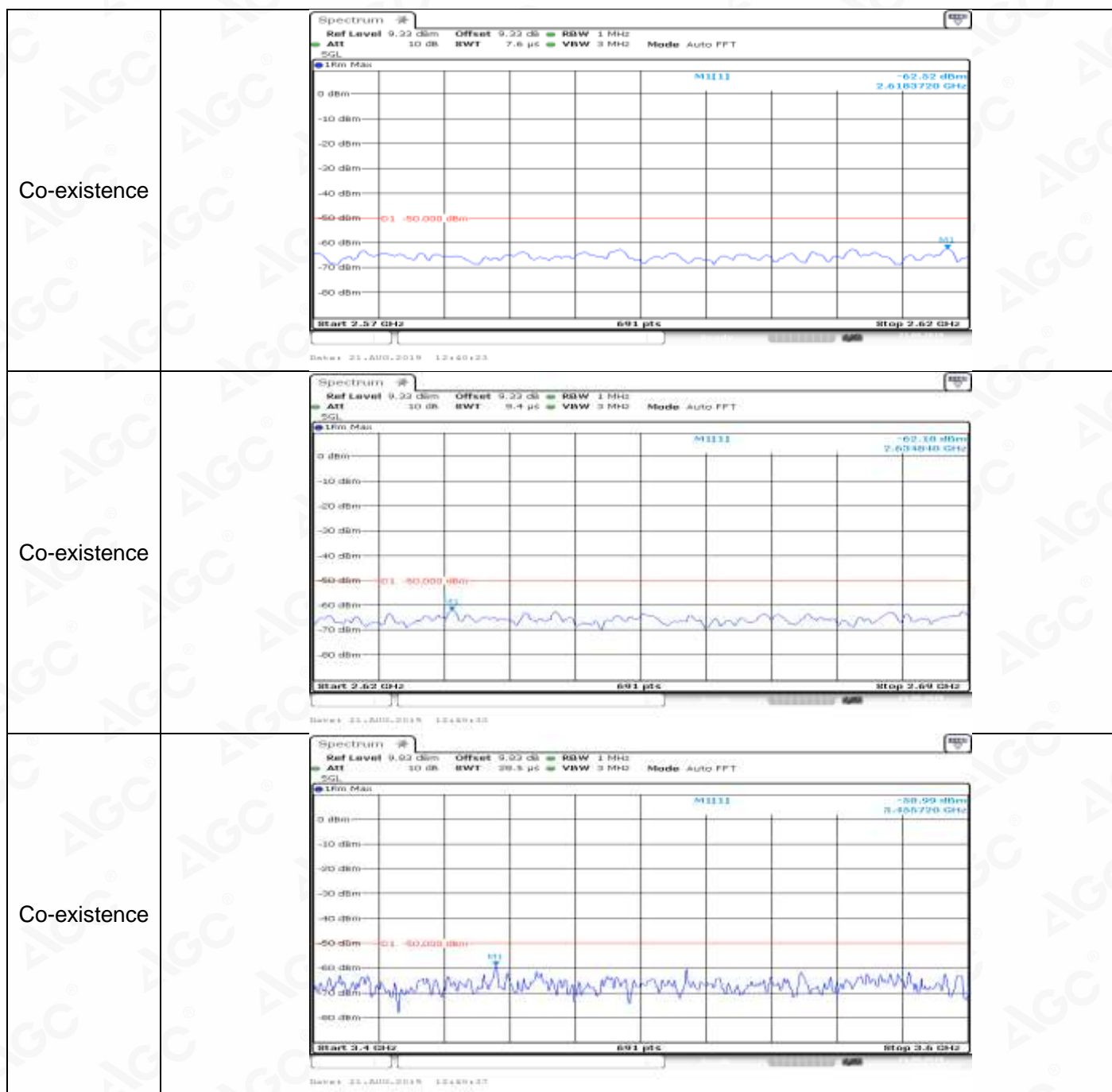
General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	



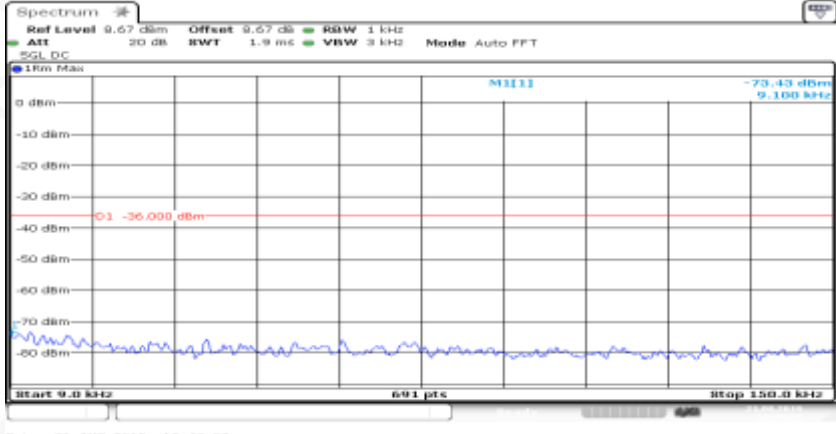
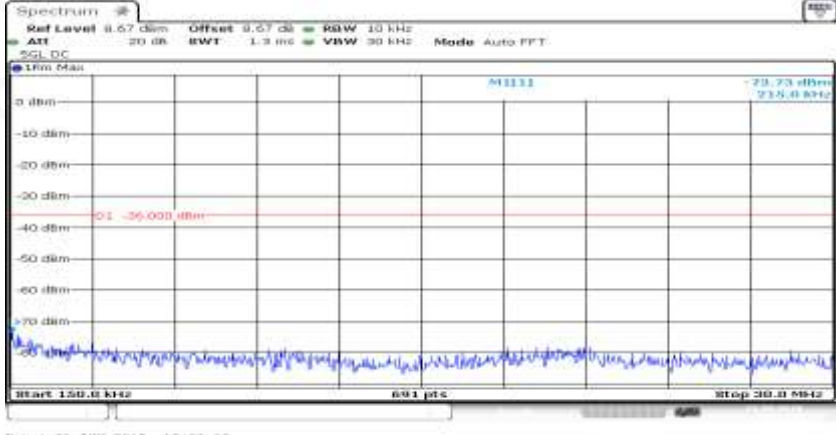
Co-existence	
Co-existence	
Co-existence	

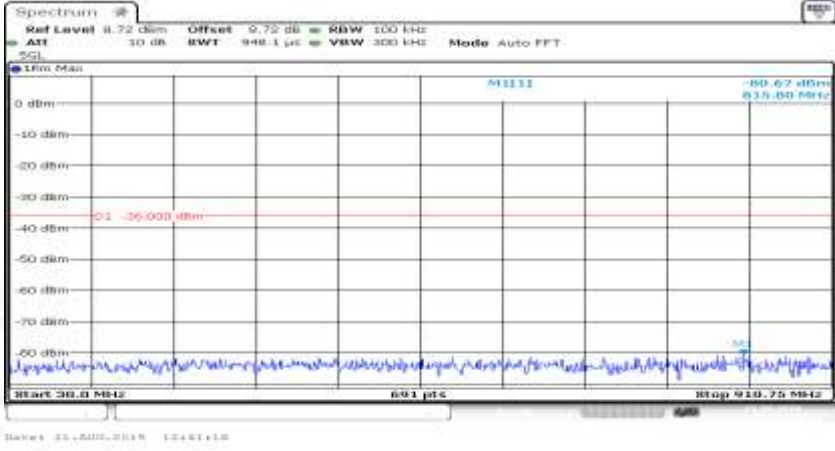
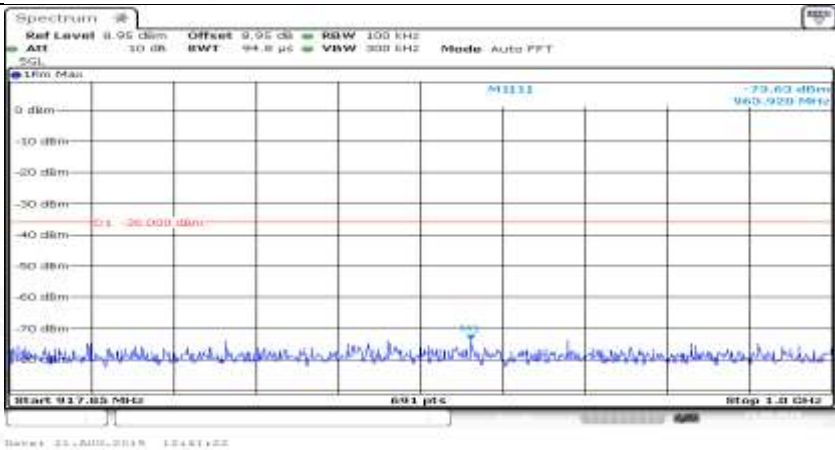
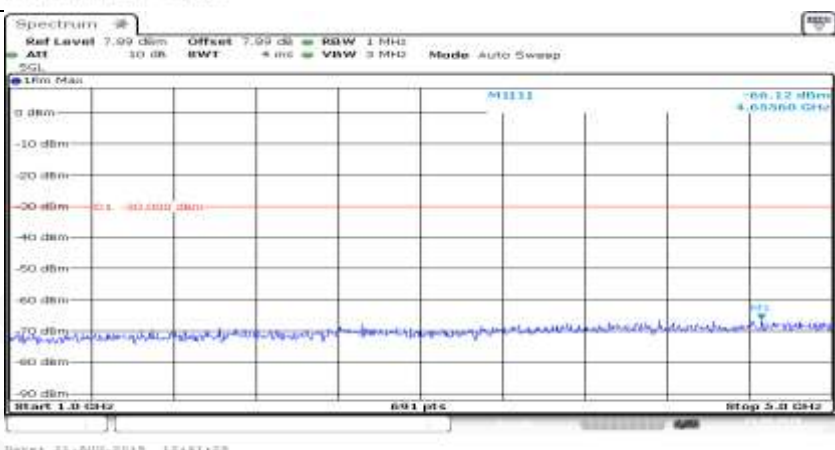


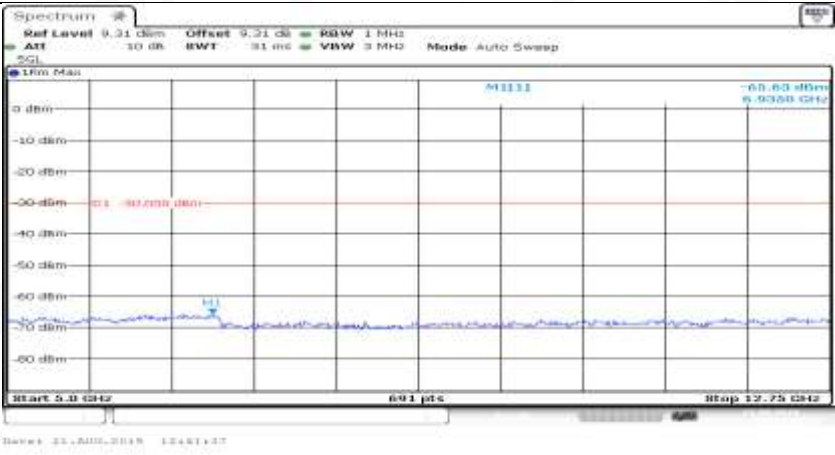
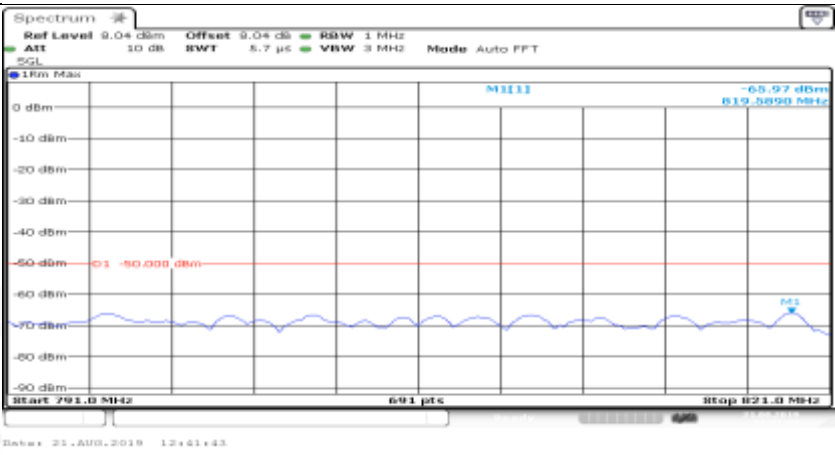
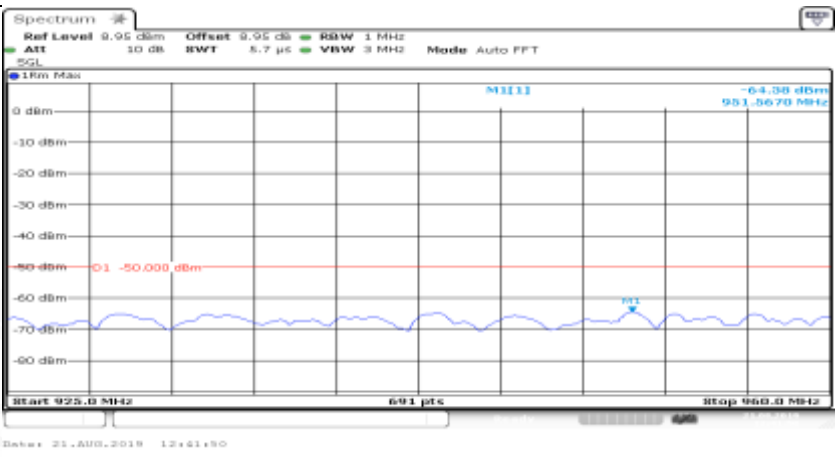


Co-existence	
Additional	NA

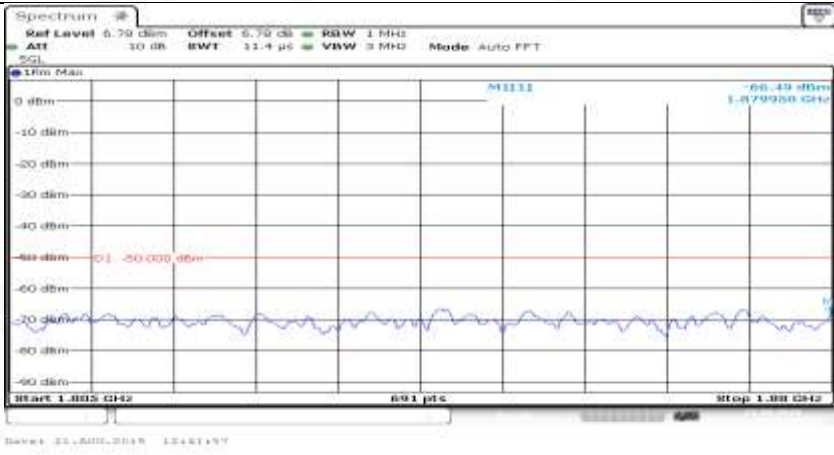
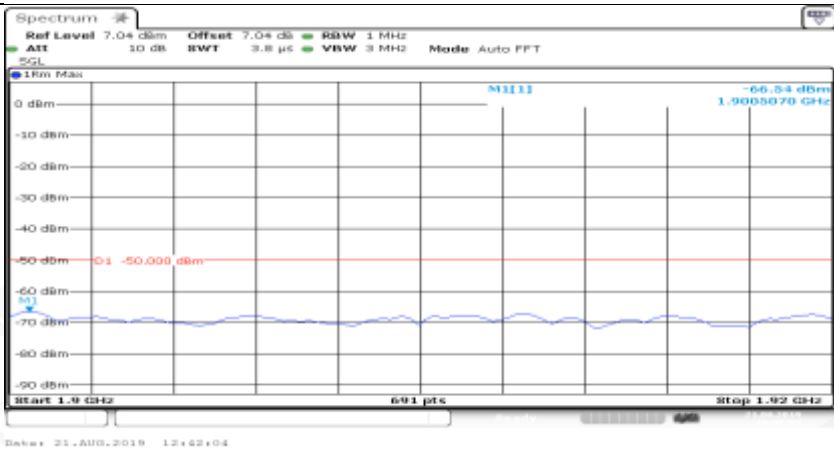
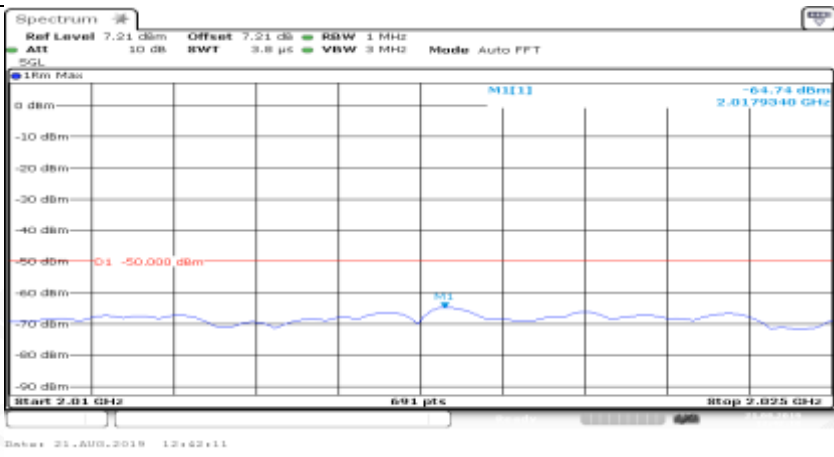
Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_1RB#0

General	
General	



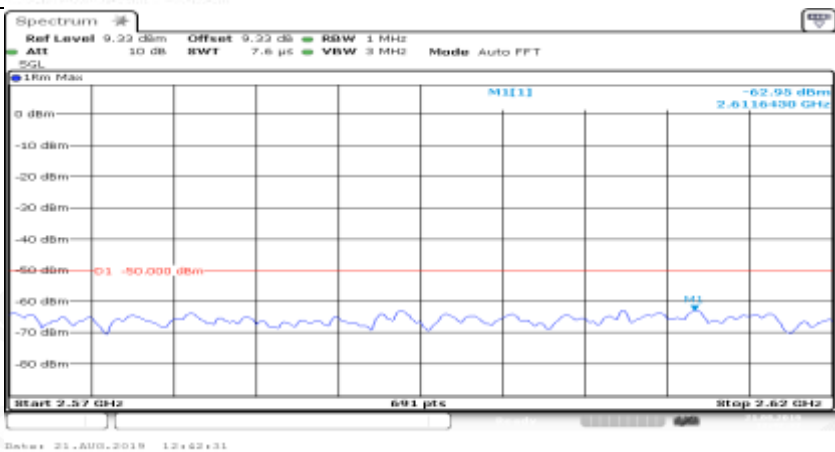
General	
General	
General	



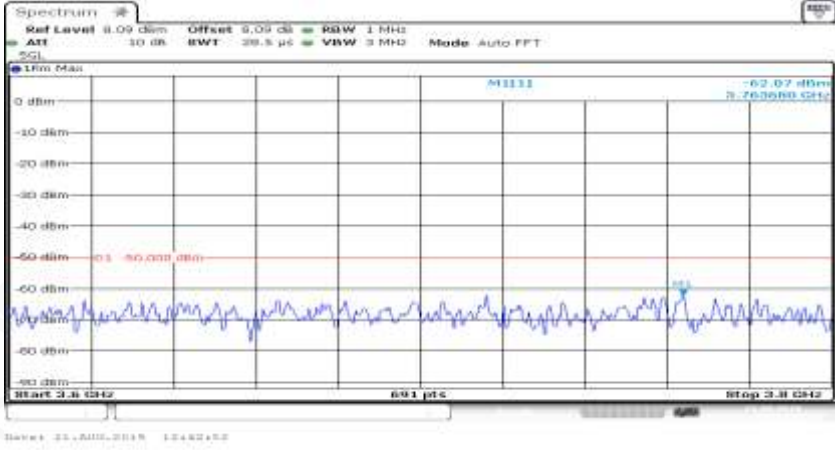
General	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

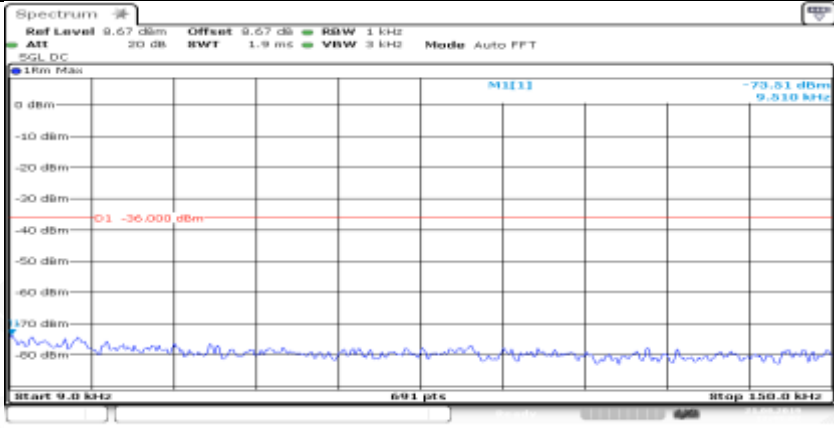
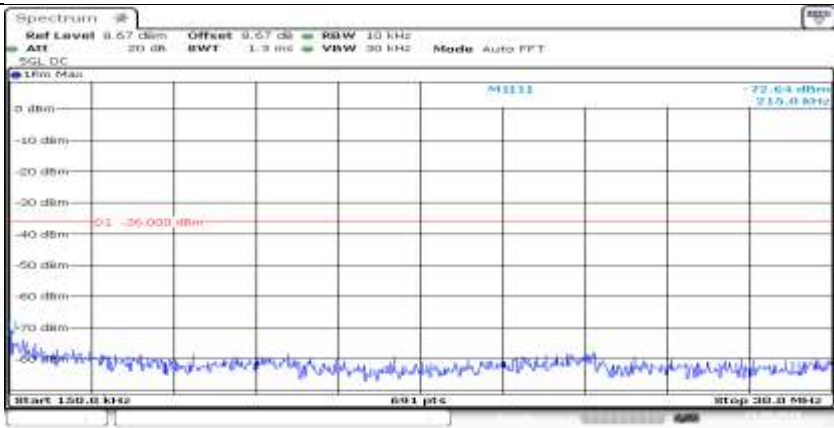
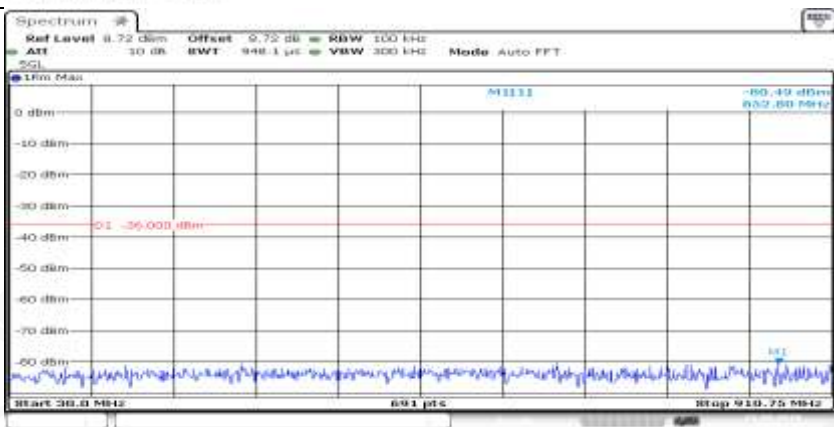


Co-existence	
Co-existence	
Co-existence	

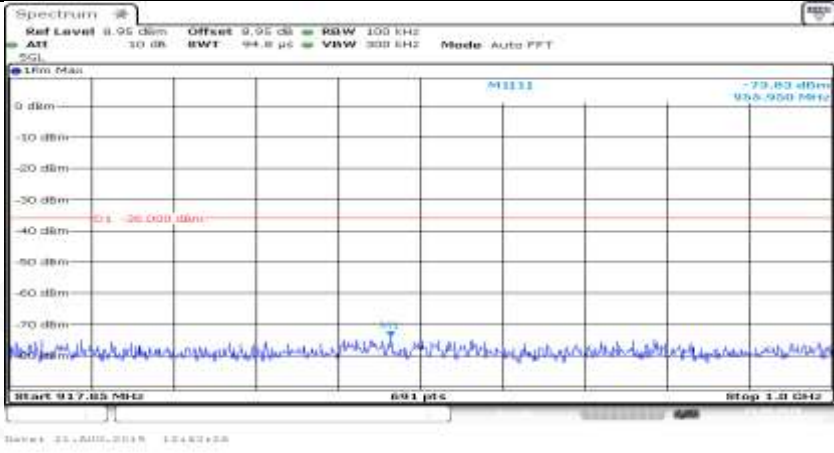
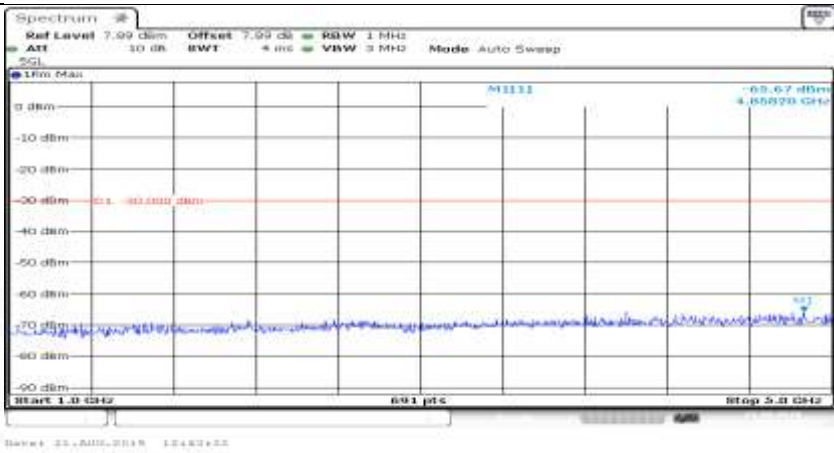
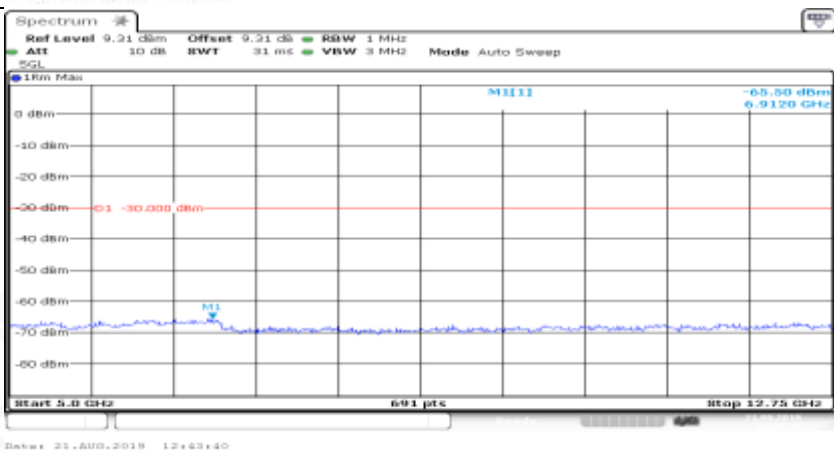
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Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)\_QPSK\_HCH\_1RB#max

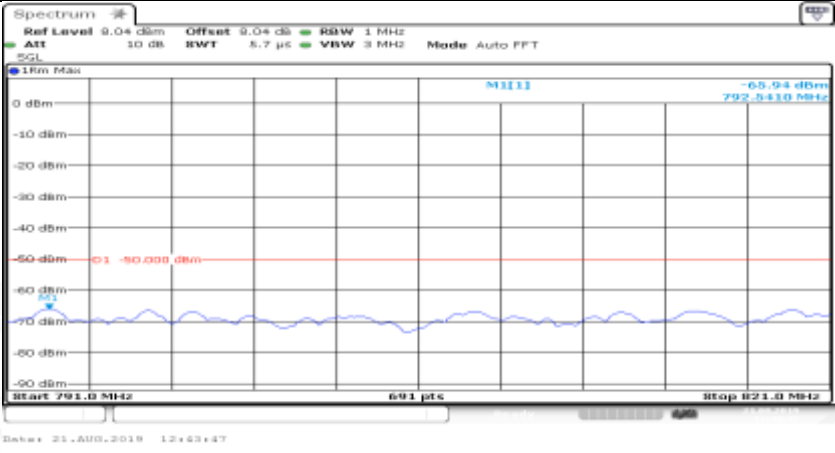
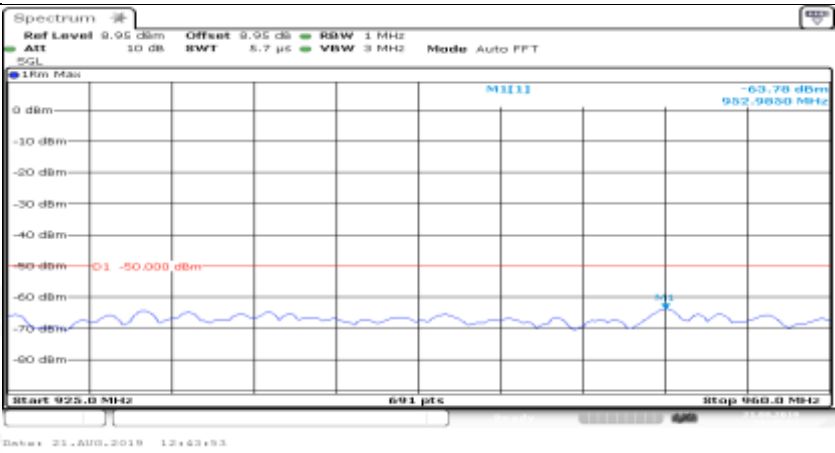
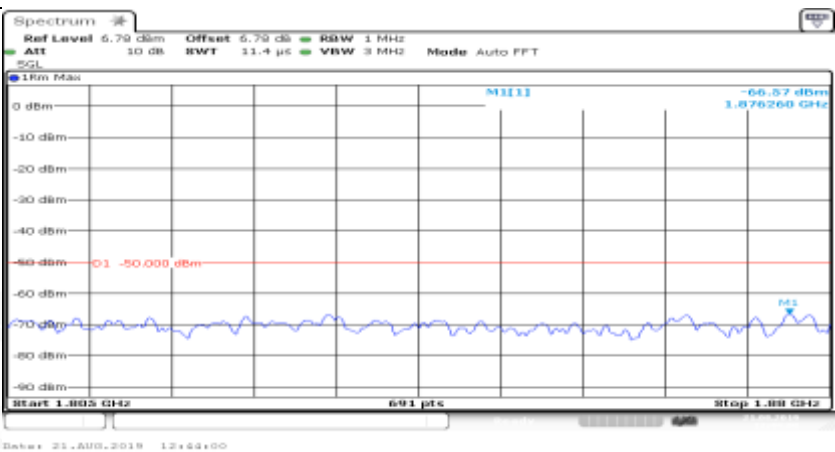


General	
General	
General	

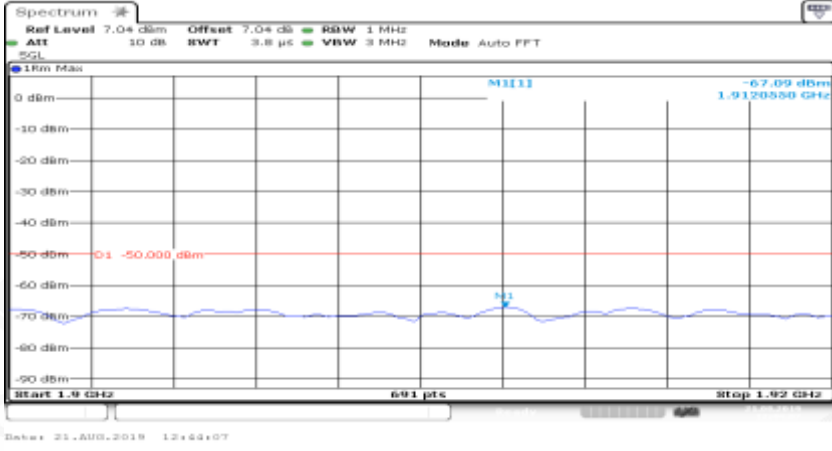
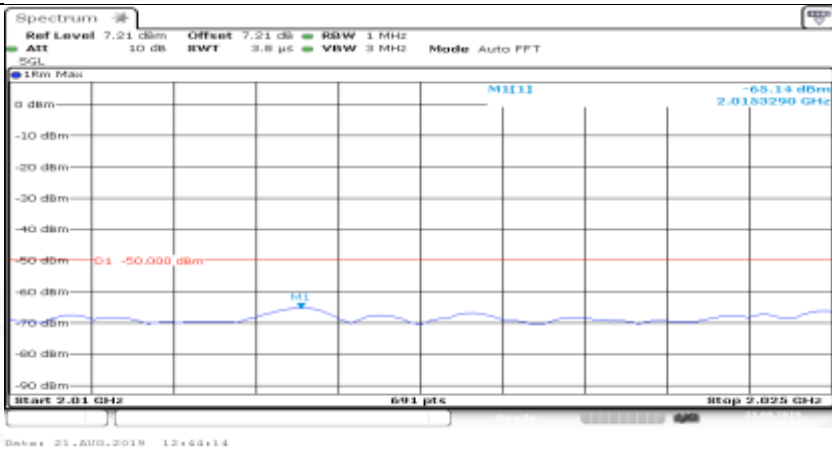
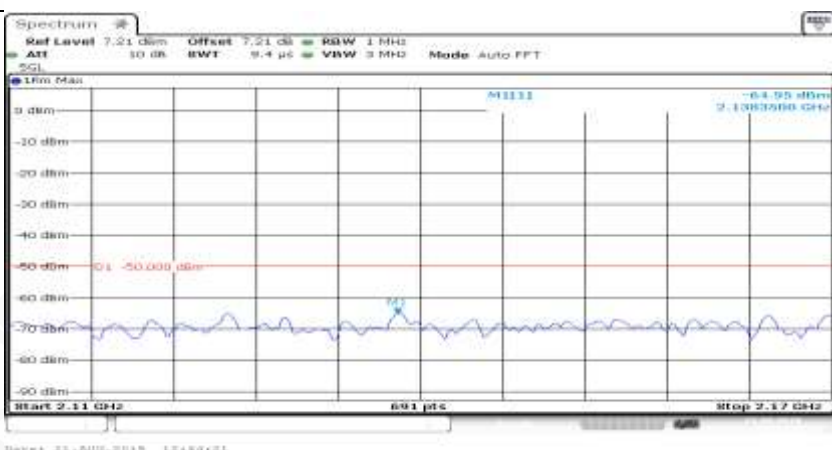


General	
General	
General	


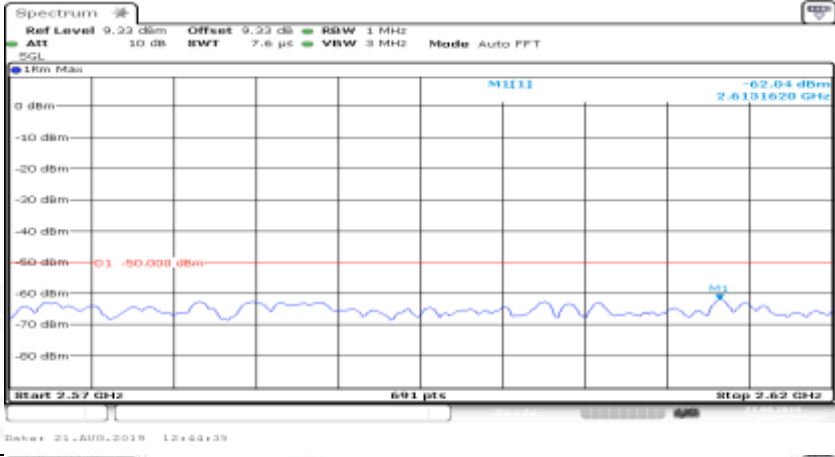
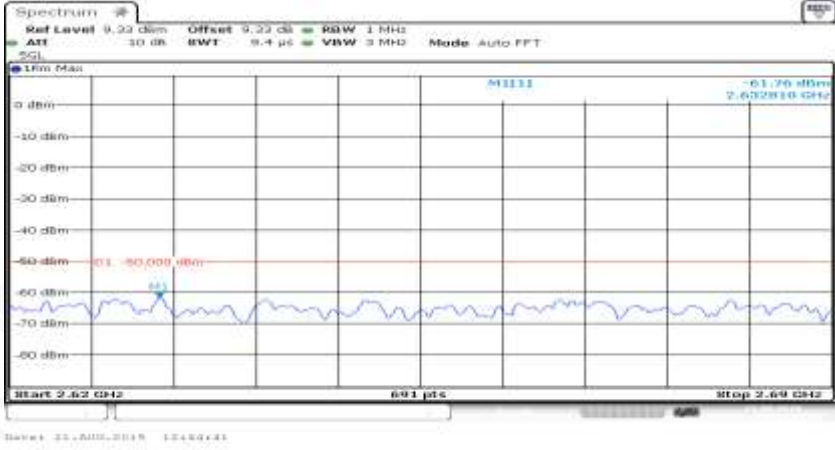


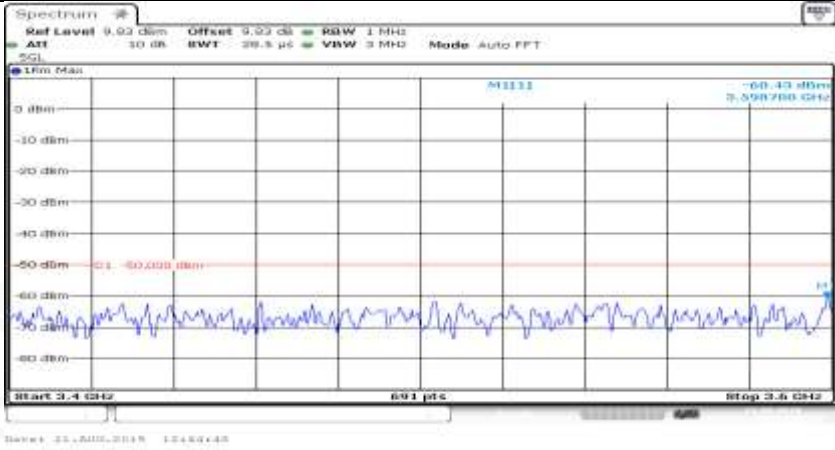
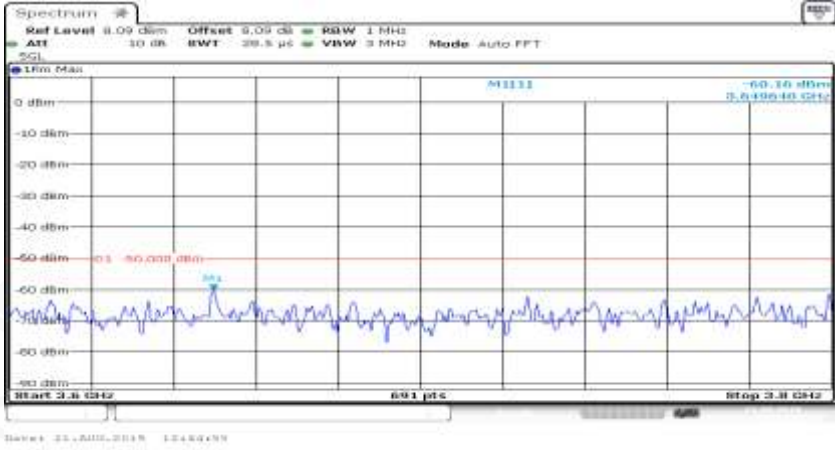
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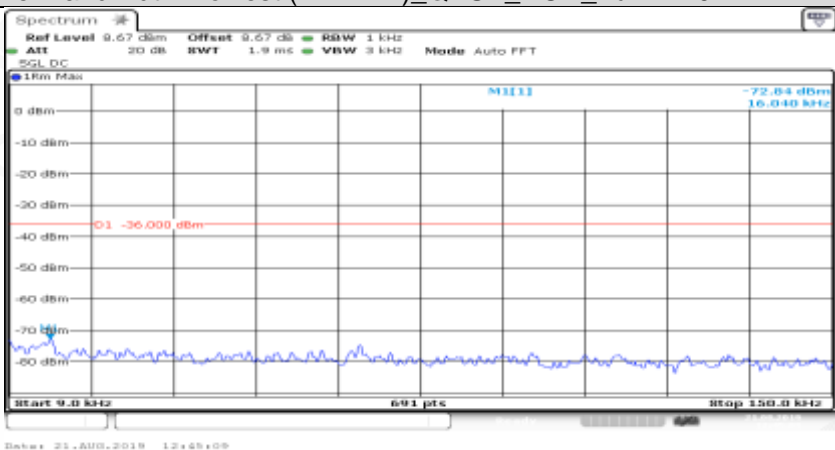


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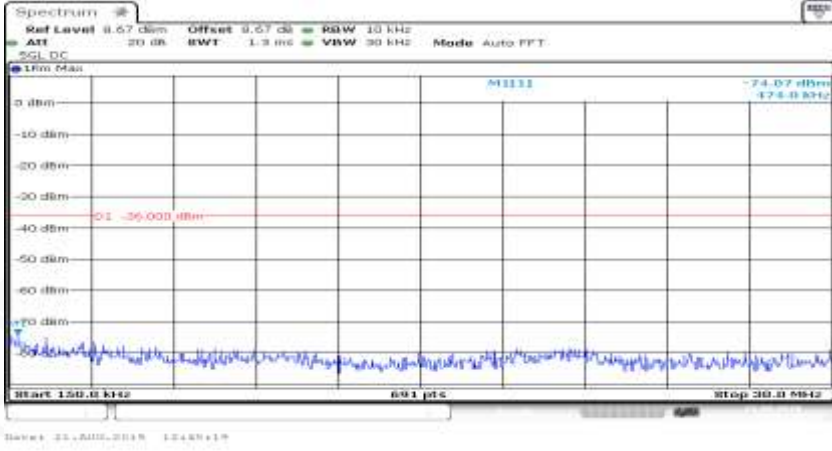

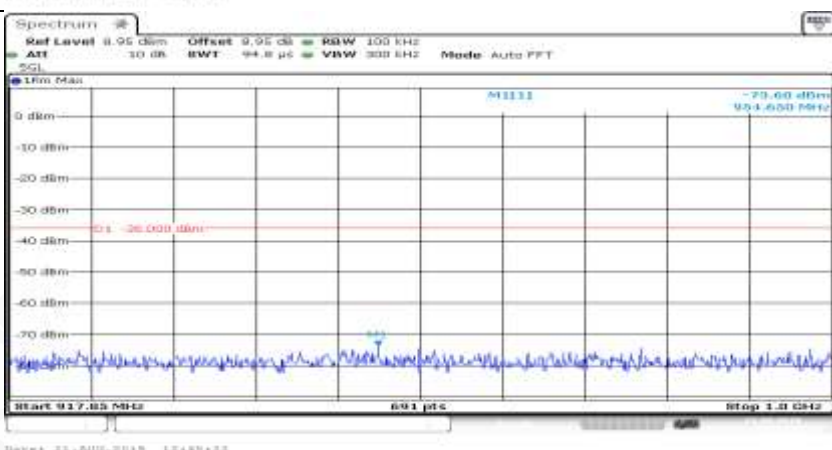


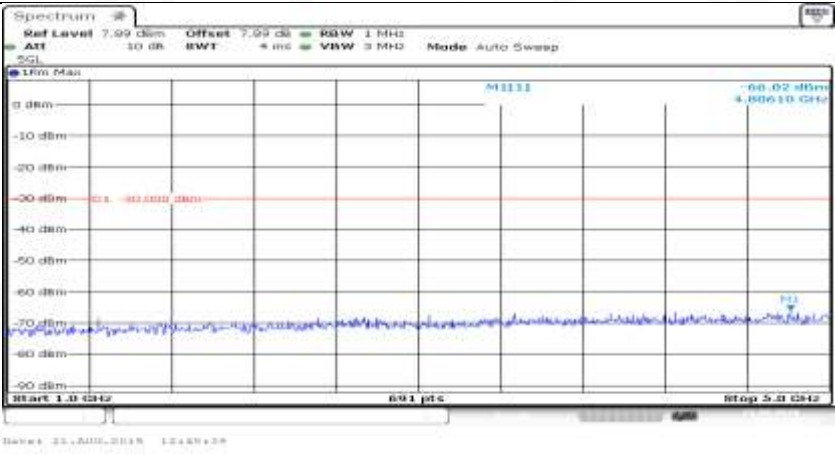
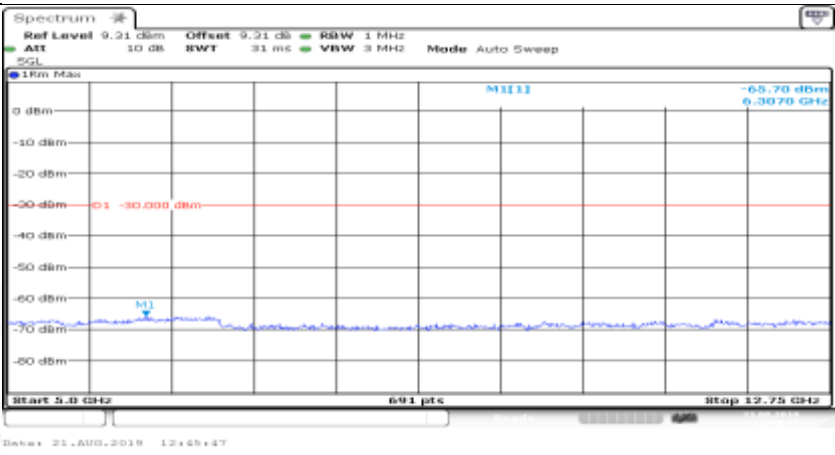
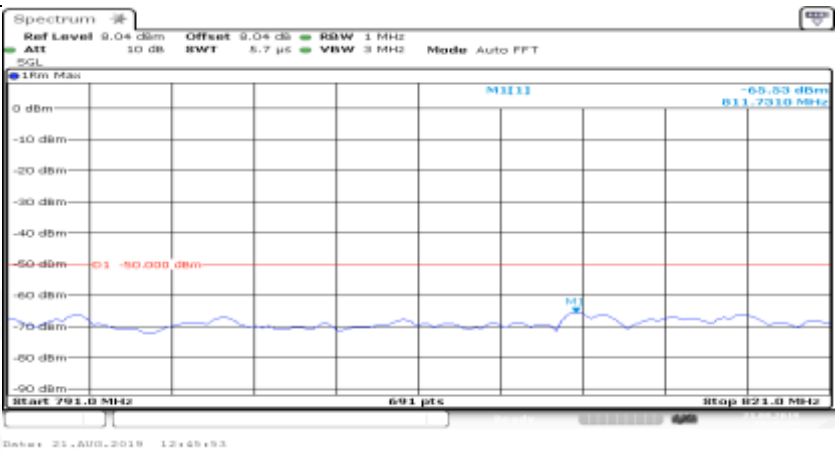
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Co-existence	

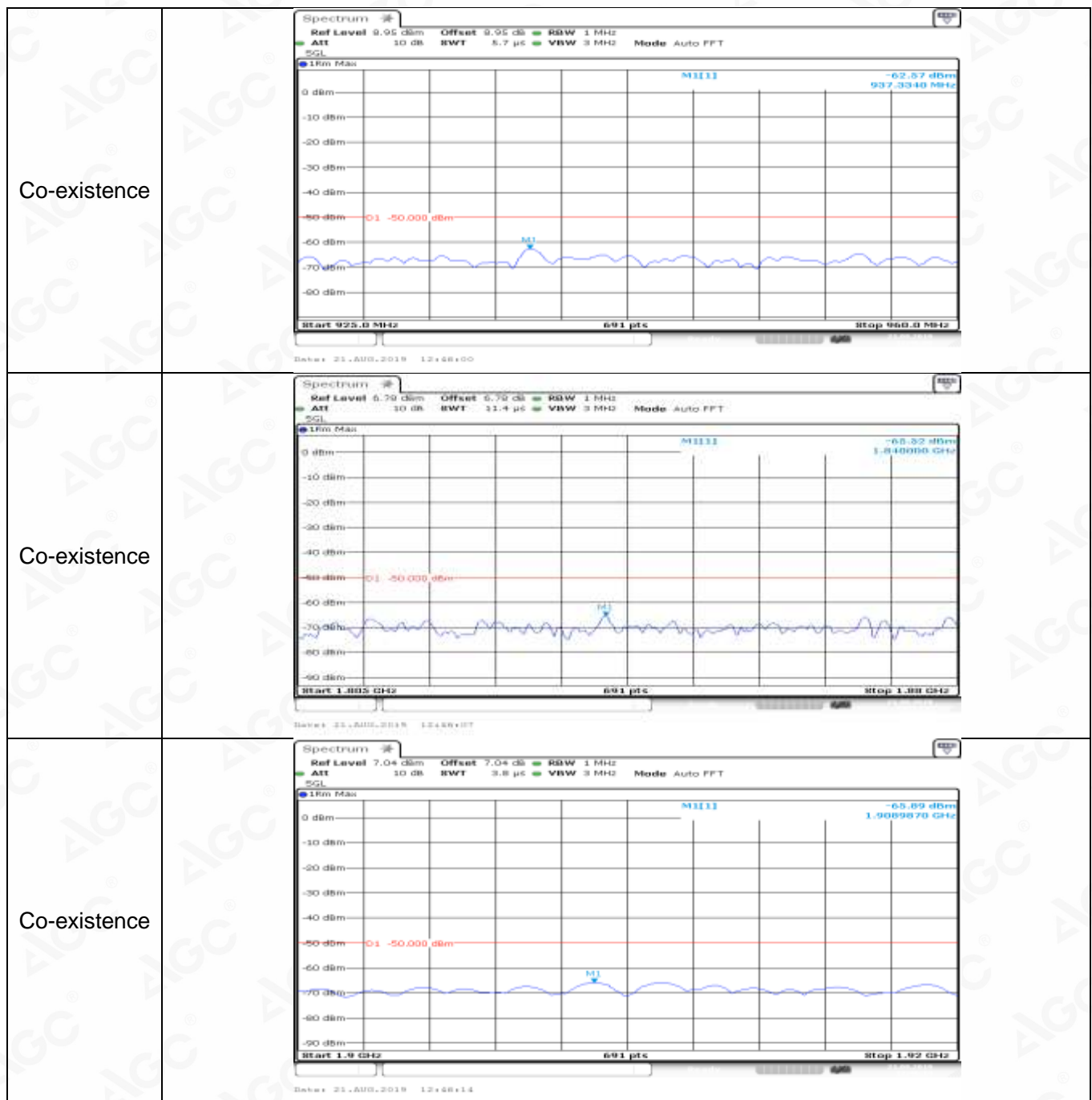
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Additional	NA

Channel Bandwidth=Lowest (1.4 MHz)_QPSK_HCH_FullRB#0	
General	

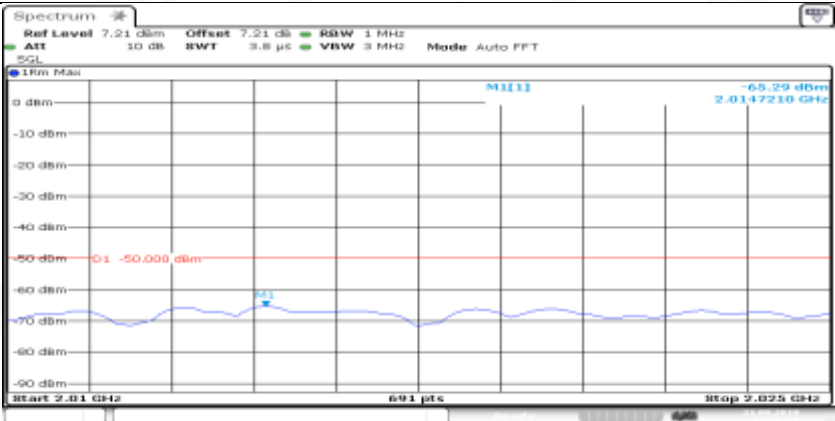
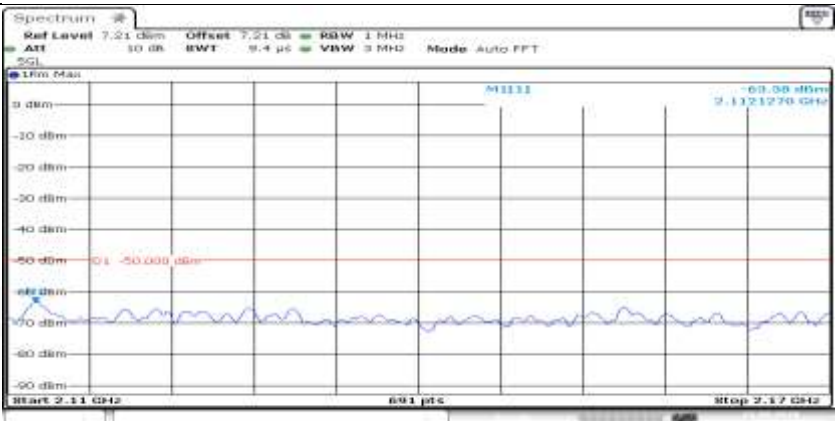
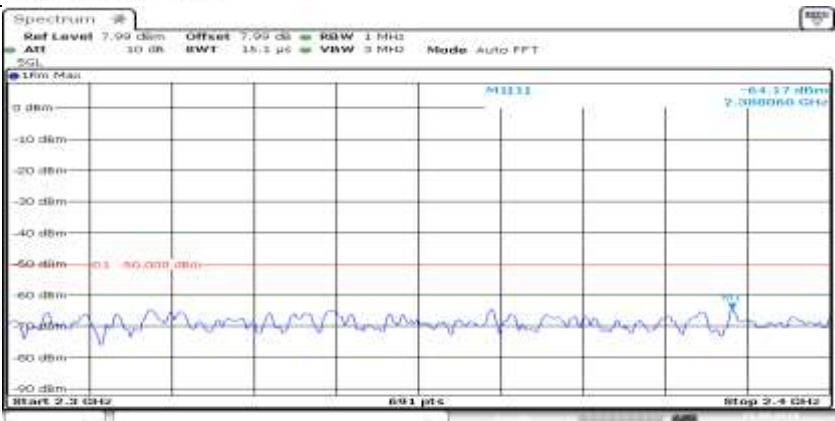


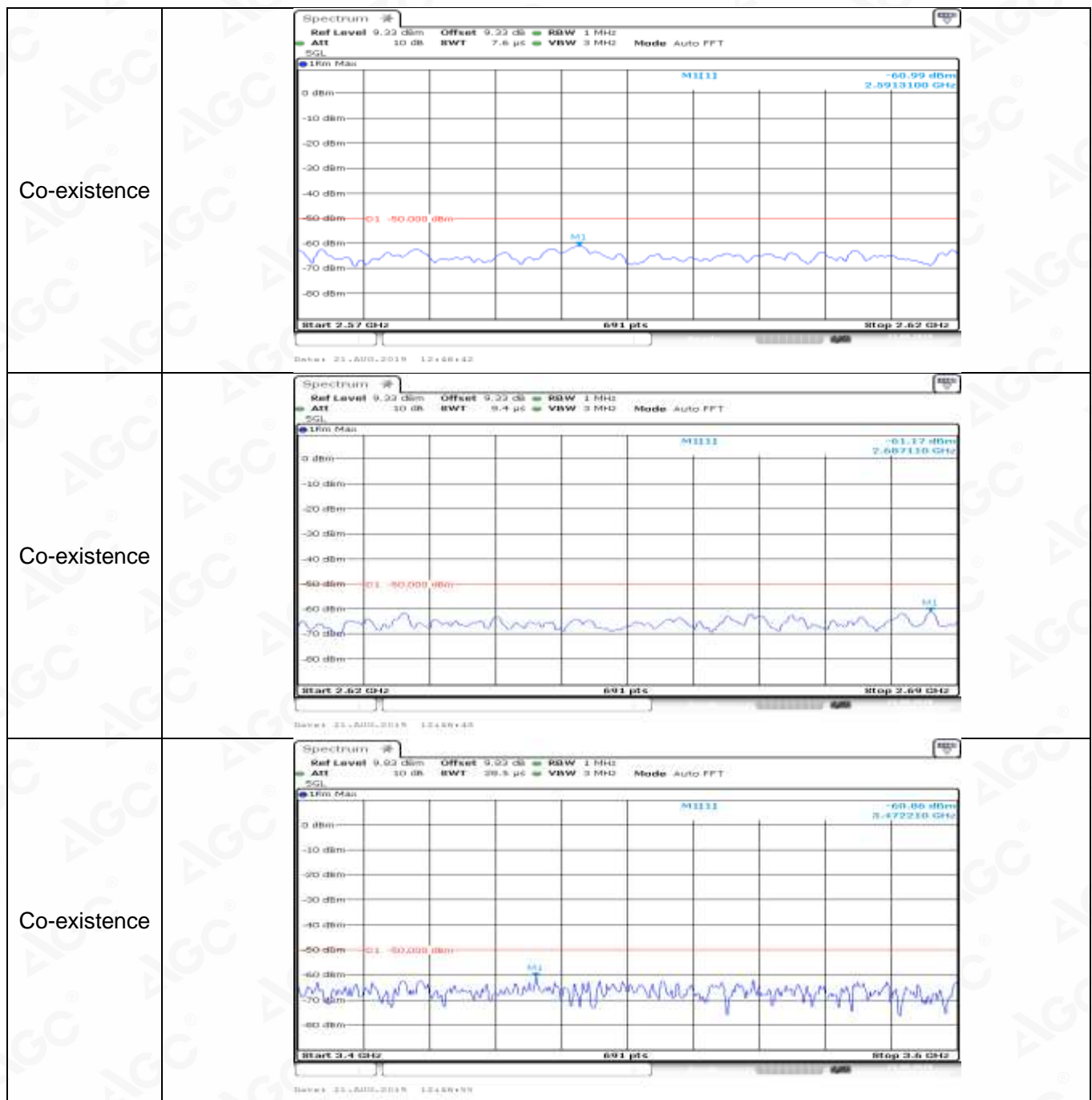
General	
General	
General	

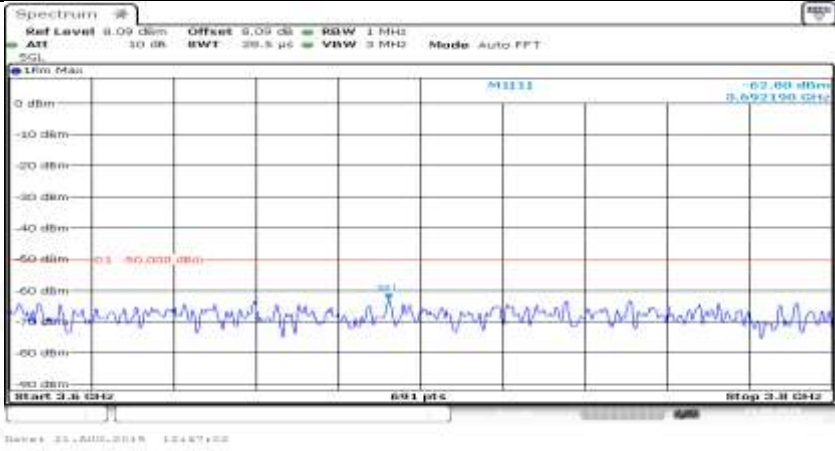
General	
General	
Co-existence	



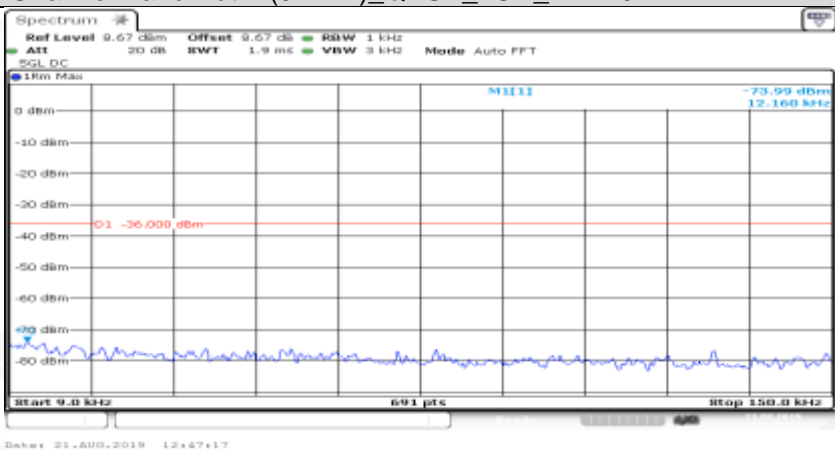


Co-existence	
Co-existence	
Co-existence	

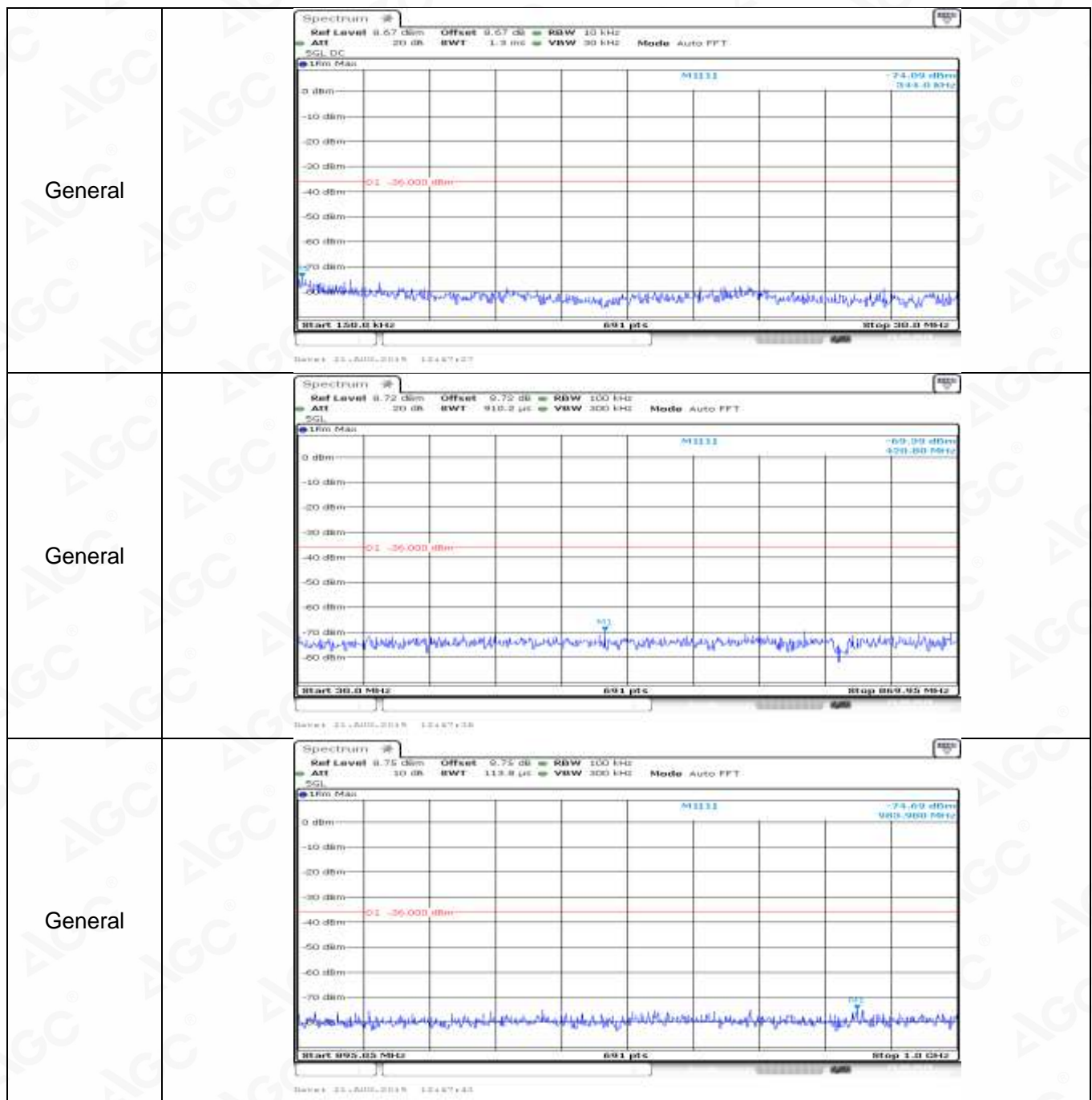


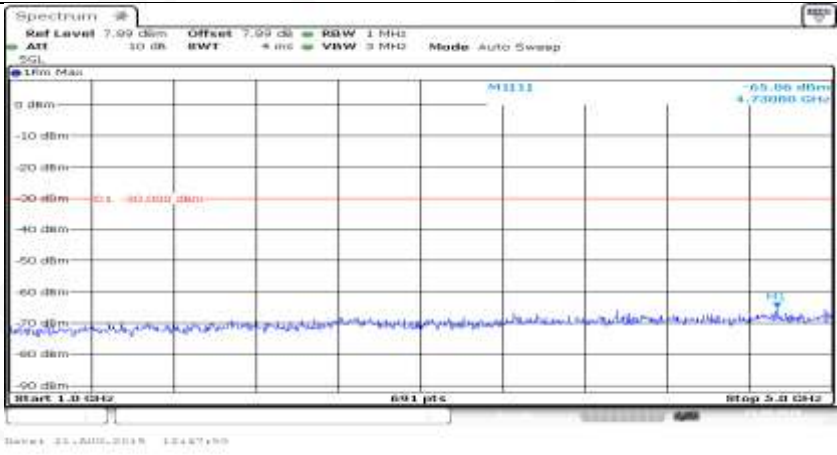
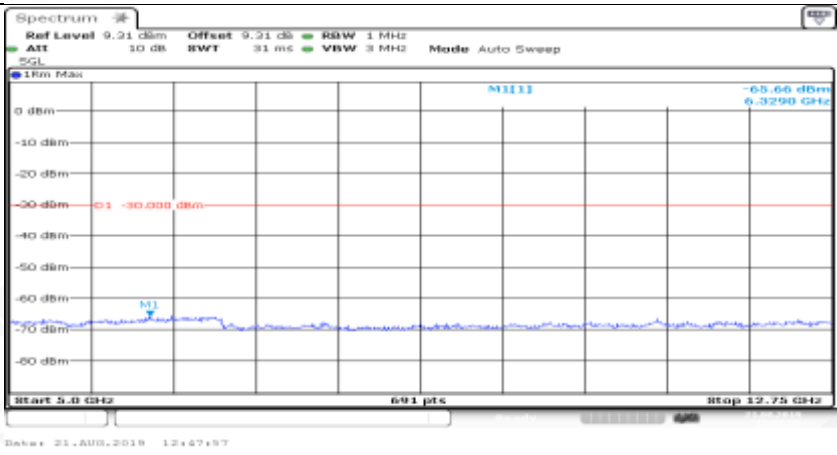
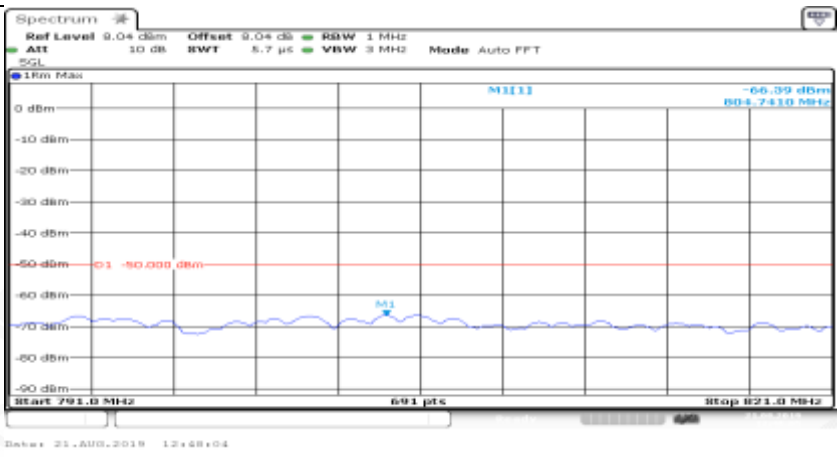
Co-existence	
Additional	NA

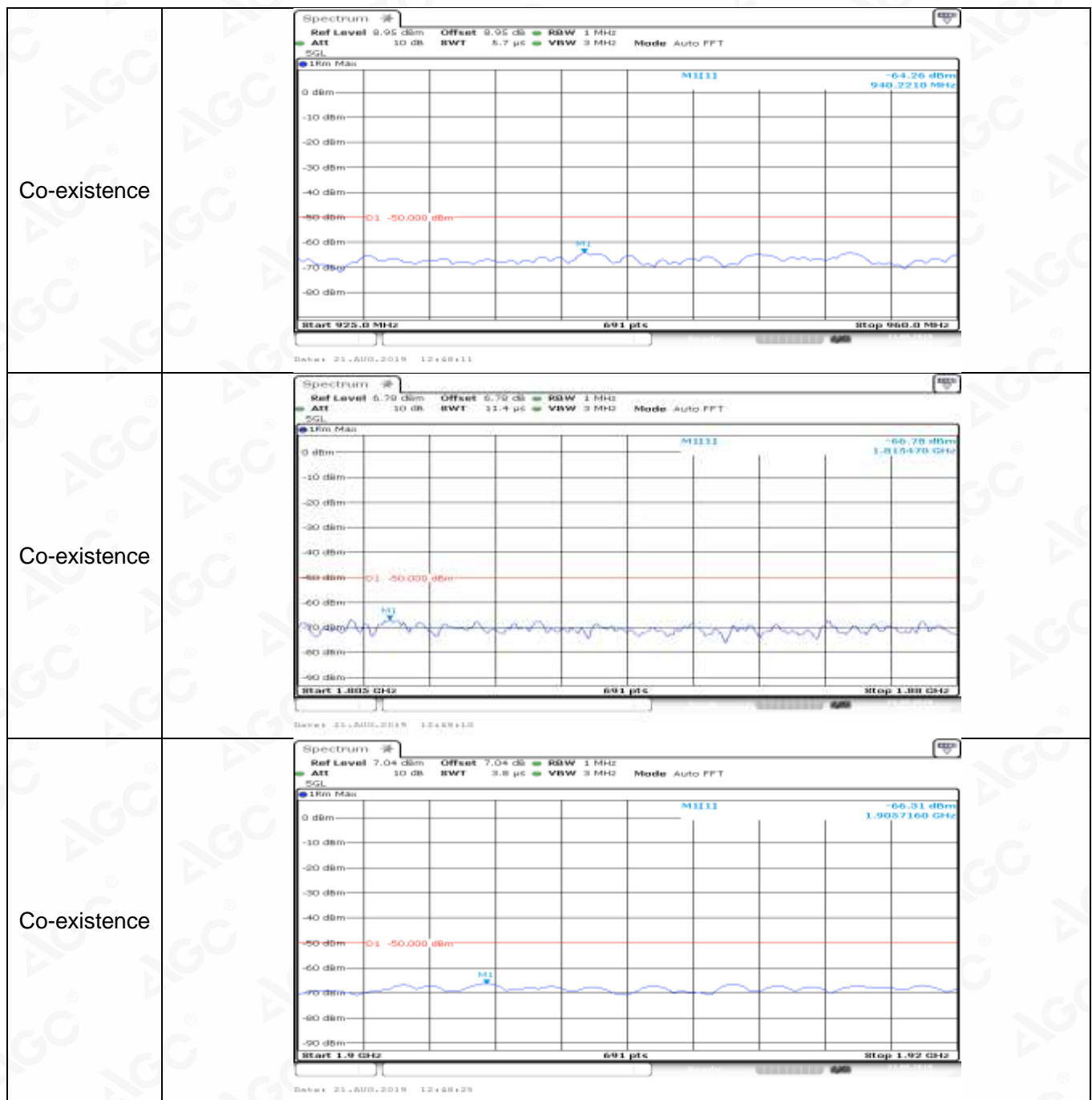
Channel Bandwidth= (5 MHz)

Channel Bandwidth=(5 MHz)_QPSK_LCH_1RB#0	
General	

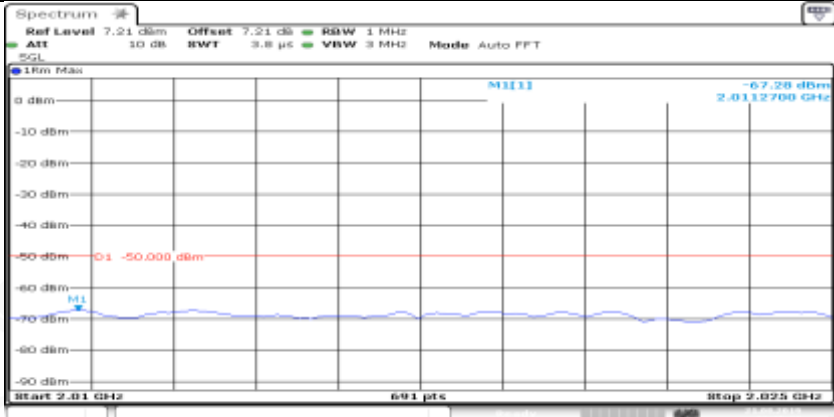

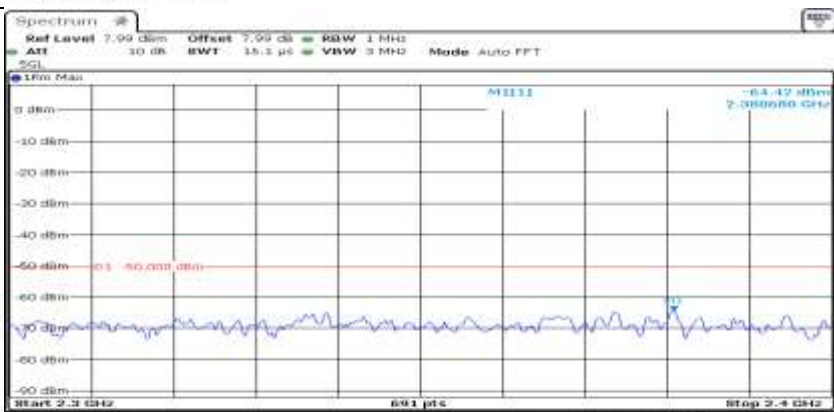




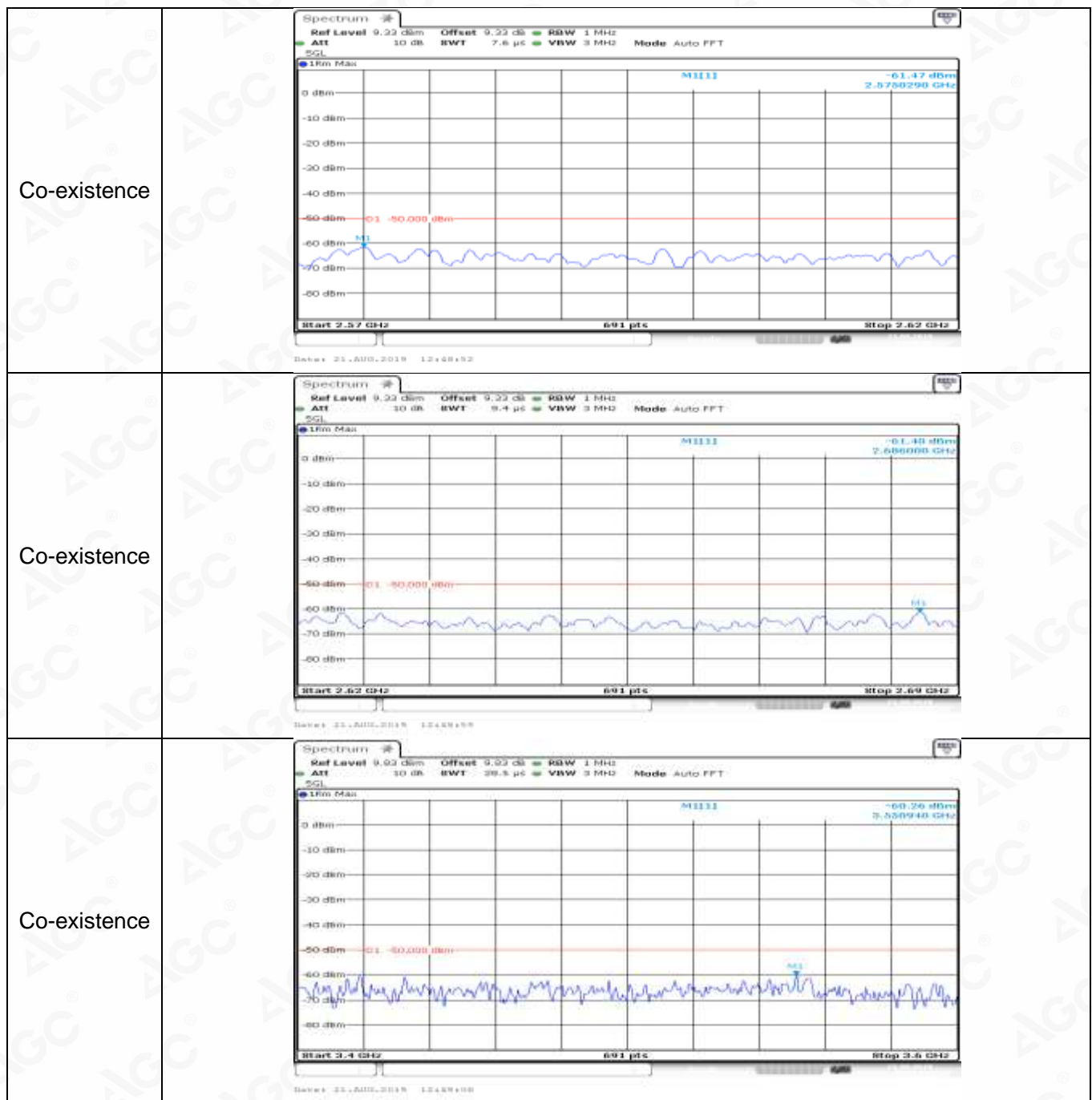
General	
General	
Co-existence	



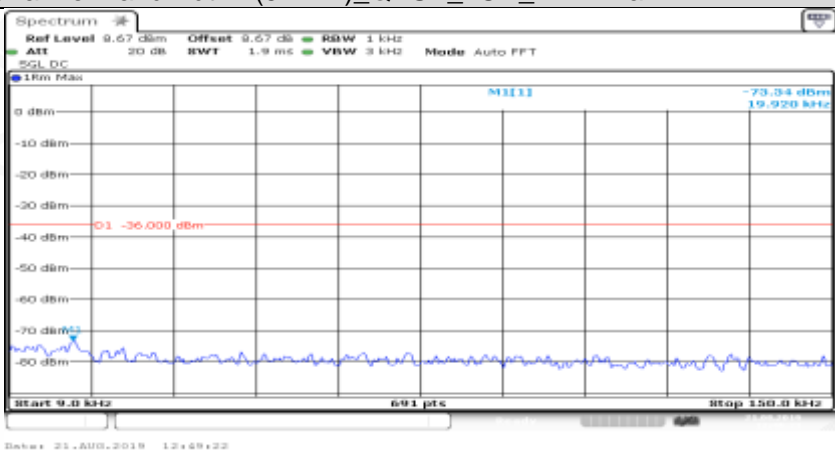
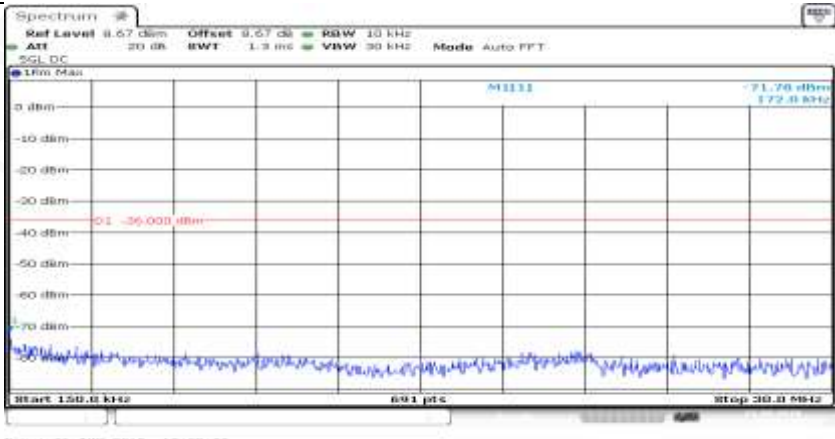


Co-existence	
Co-existence	
Co-existence	


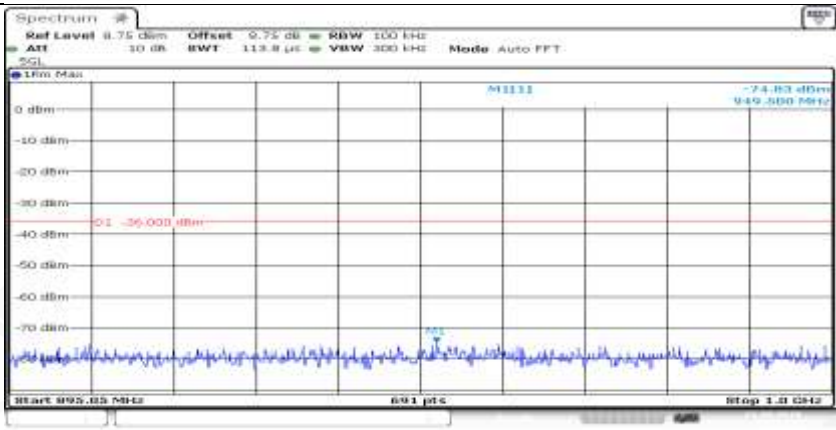
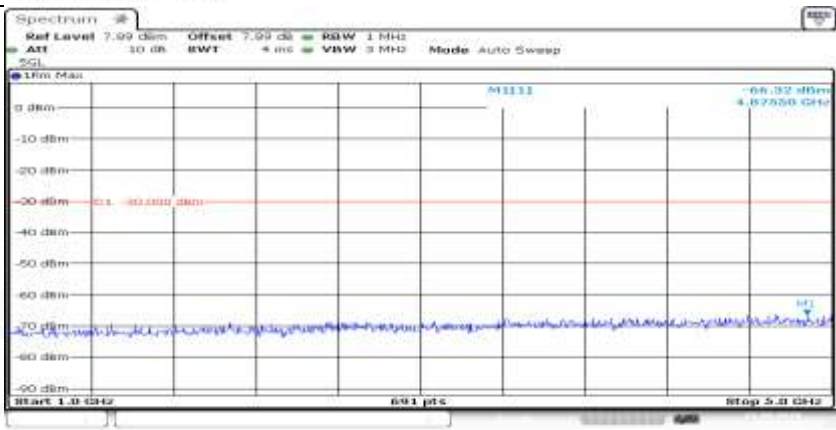




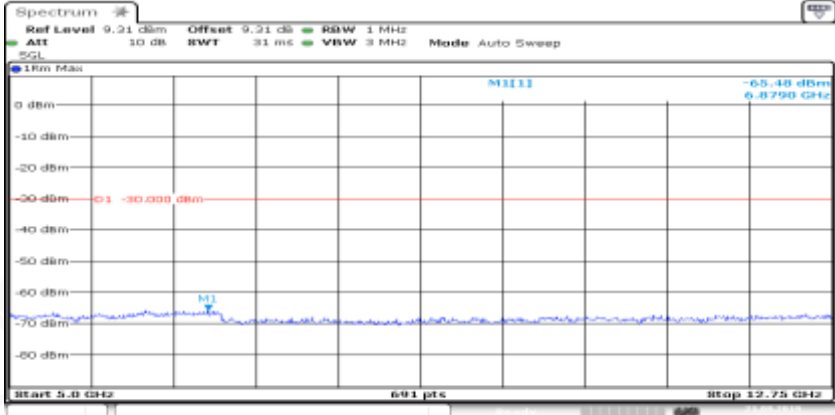
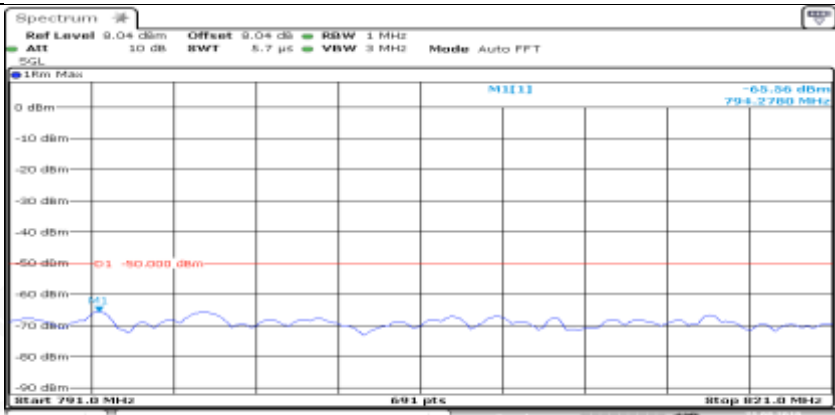
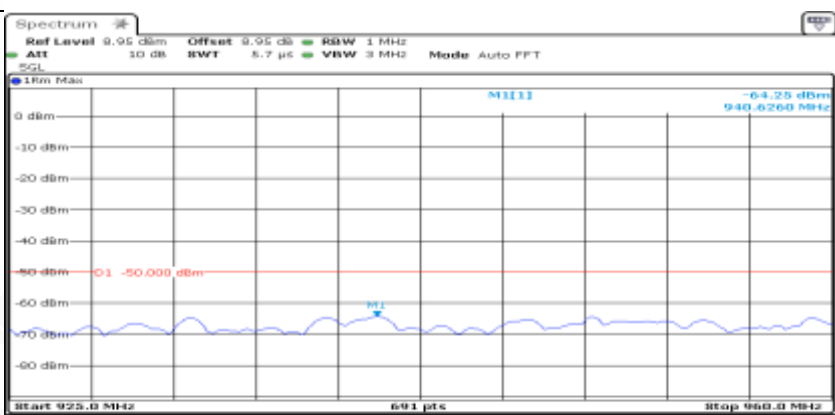
Co-existence	
Additional	NA


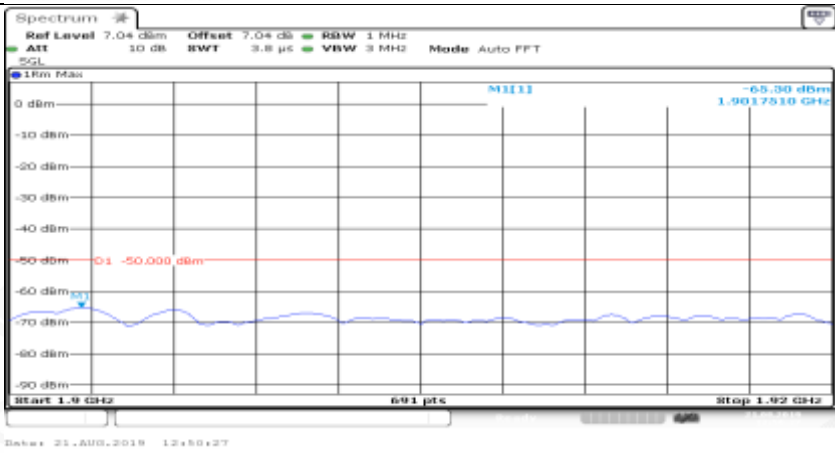
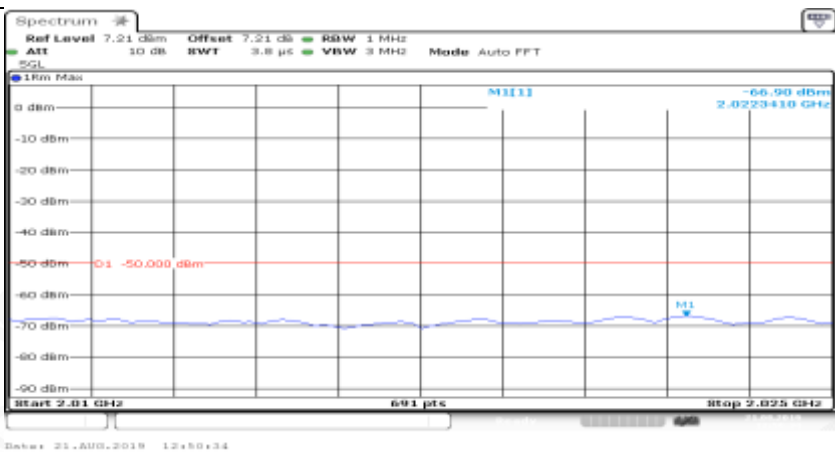
Channel Bandwidth= (5 MHz)_QPSK_LCH_1RB#max	
General	
General	





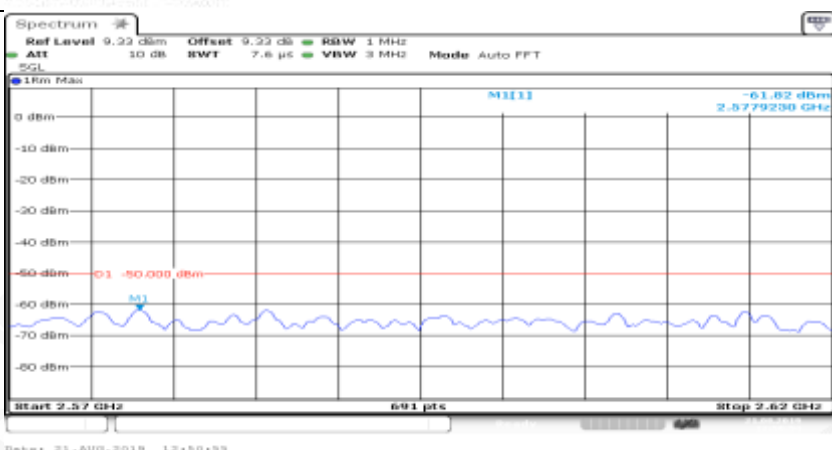
General	
General	
General	

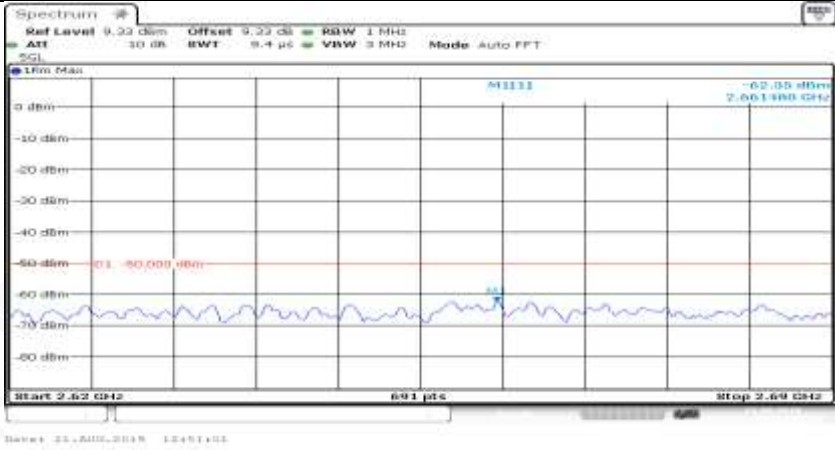
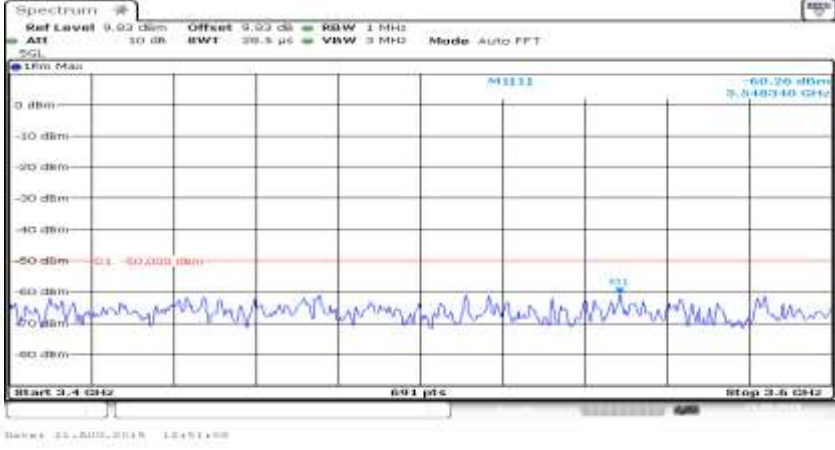



General	
Co-existence	
Co-existence	

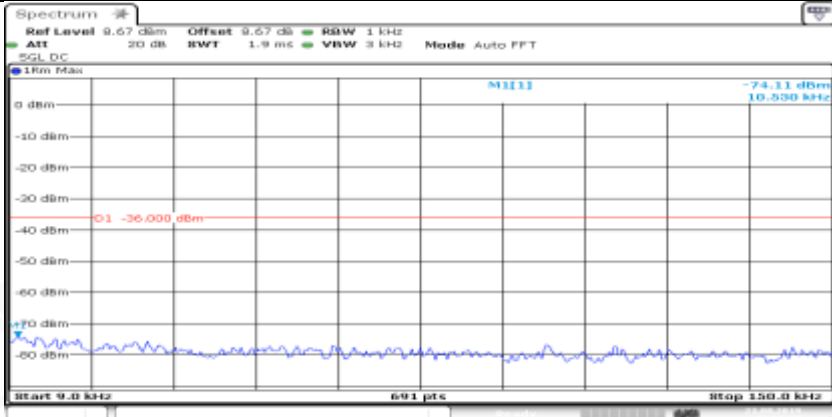
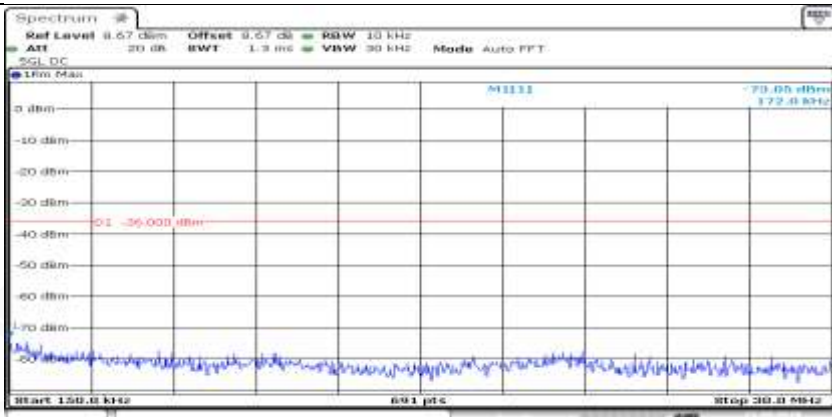
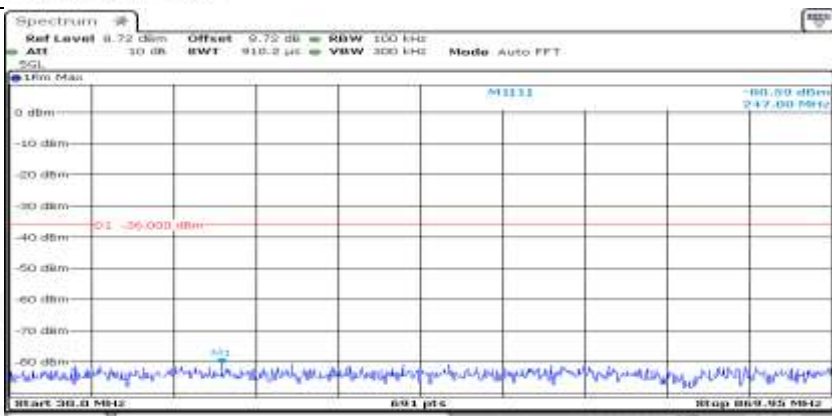
Co-existence	
Co-existence	
Co-existence	



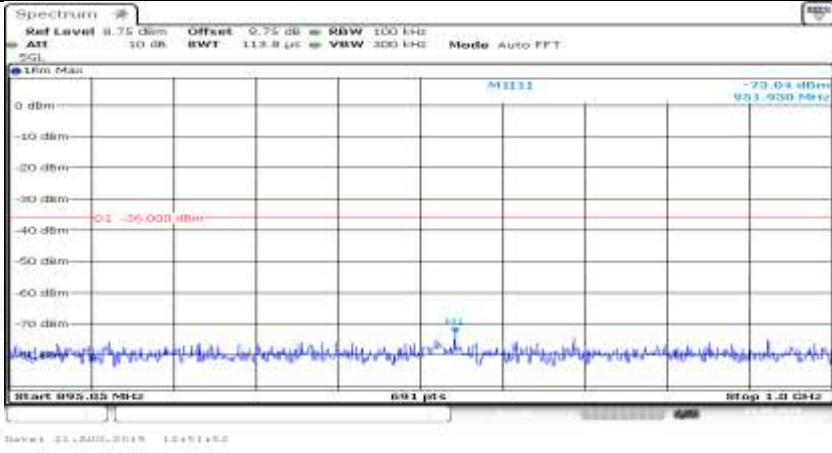
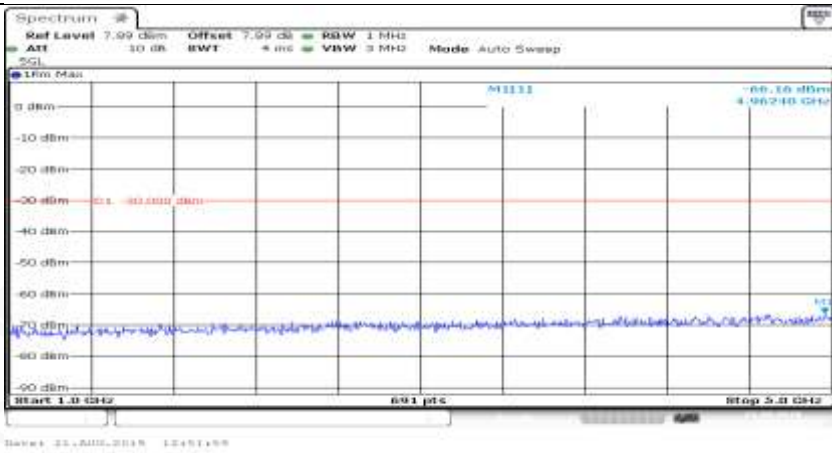
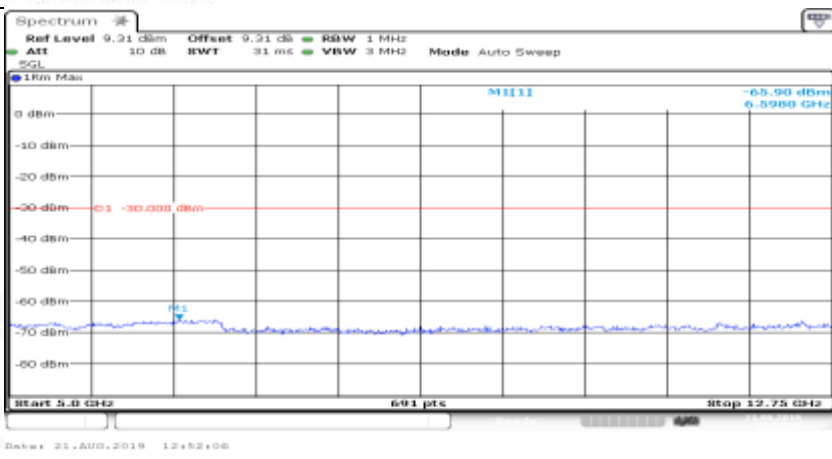
Co-existence	
Co-existence	
Co-existence	

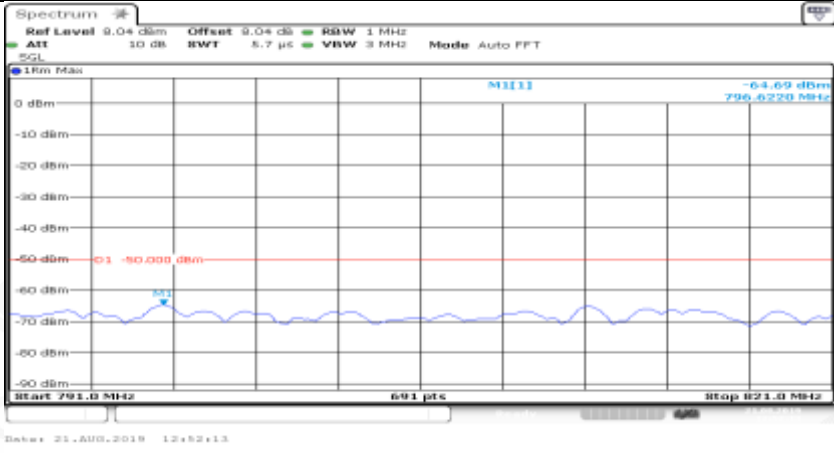
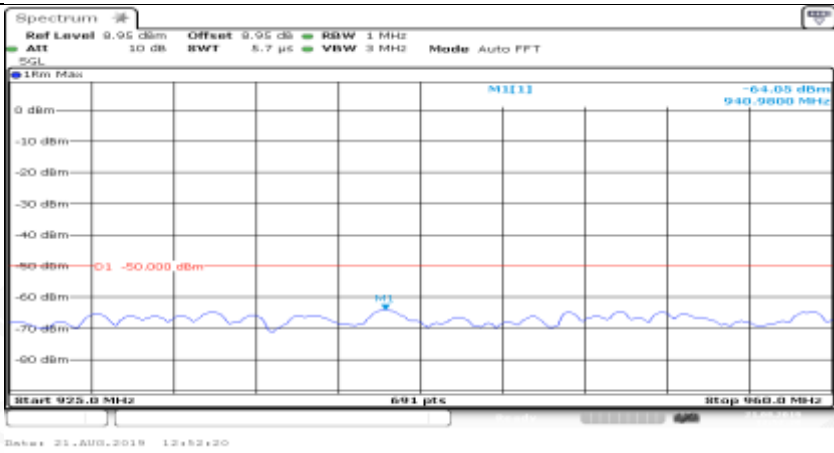
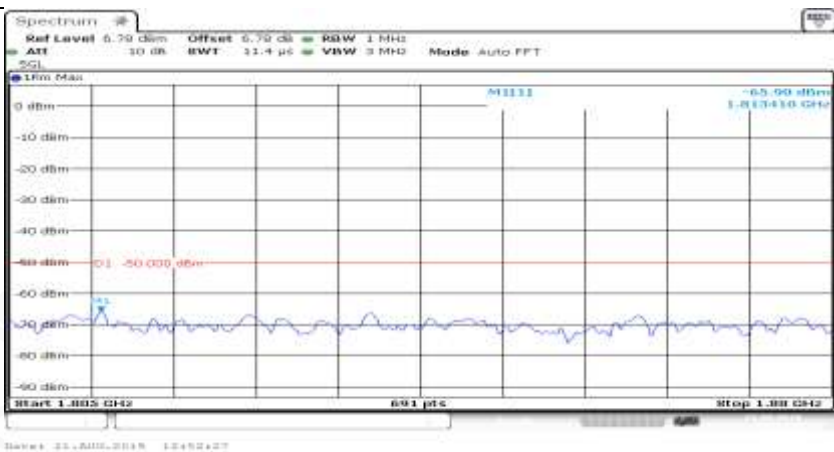
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)\_QPSK\_LCH\_FullRB#0

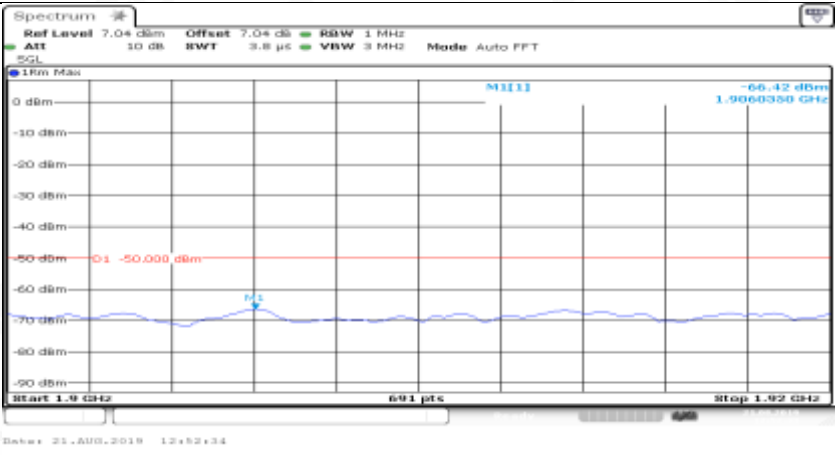
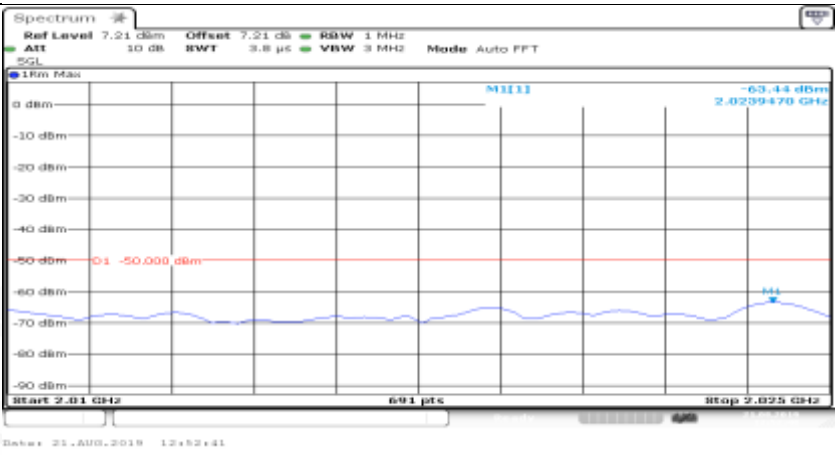

General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -74.11 dBm</p> <p>-10 dBm 10.000 kHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 21.AUG.2019 12:51:29</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -79.05 dBm</p> <p>-10 dBm 172.0 kHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Date: 21.AUG.2019 12:51:29</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 910.2 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -80.00 dBm</p> <p>-10 dBm 217.00 MHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 889.95 MHz</p> <p>Date: 21.AUG.2019 12:51:40</p>



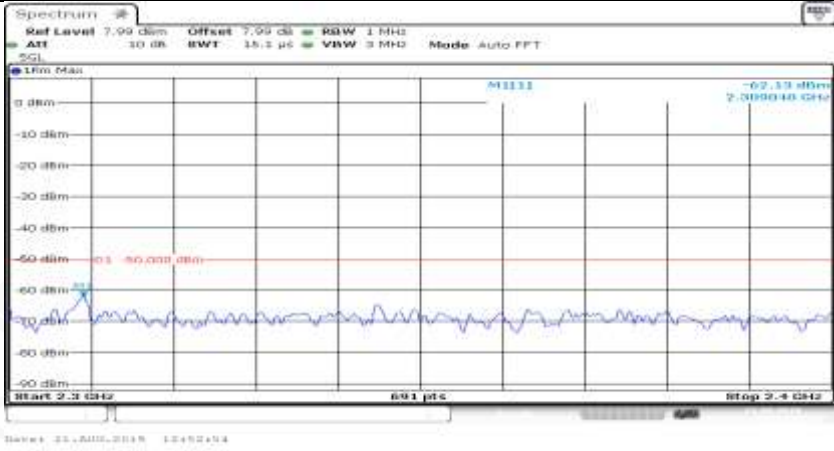
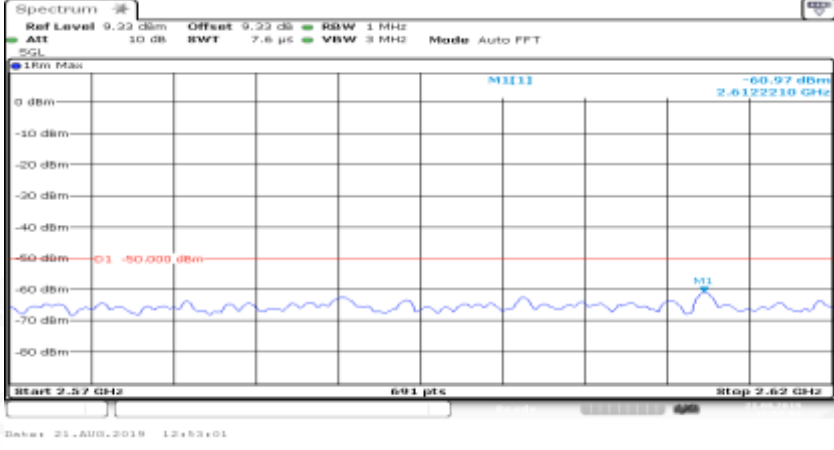
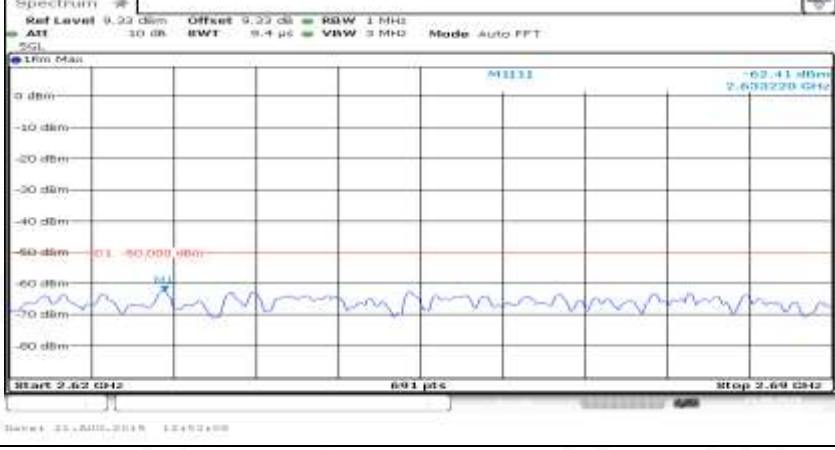
General	 <p>Spectrum</p> <p>Ref Level 8.75 dBm Offset 0.75 dB RBW 100 kHz</p> <p>ATT 10 dB BW 113.8 µs VBW 300 kHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 995.03 MHz</p> <p>691 pts</p> <p>Stop 995.03 MHz</p> <p>Date: 21.AUG.2018 12:51:52</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 1.0 GHz</p> <p>691 pts</p> <p>Stop 1.0 GHz</p> <p>Date: 21.AUG.2018 12:51:58</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 5.0 GHz</p> <p>Date: 21.AUG.2018 12:52:06</p>

Co-existence	
Co-existence	
Co-existence	

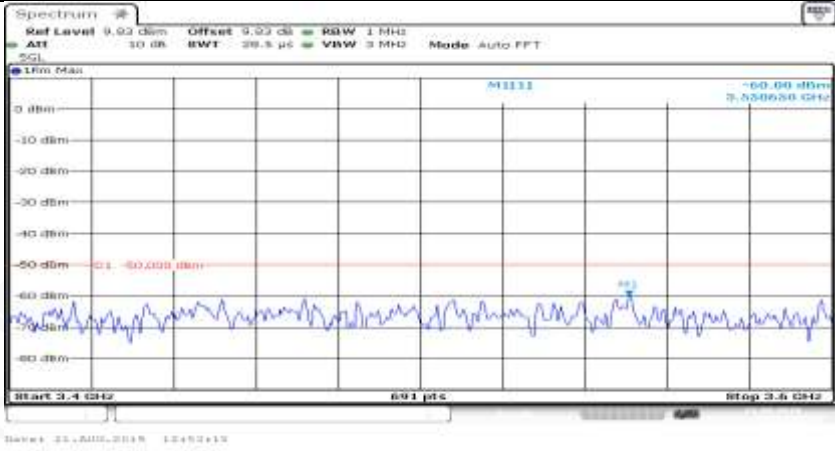
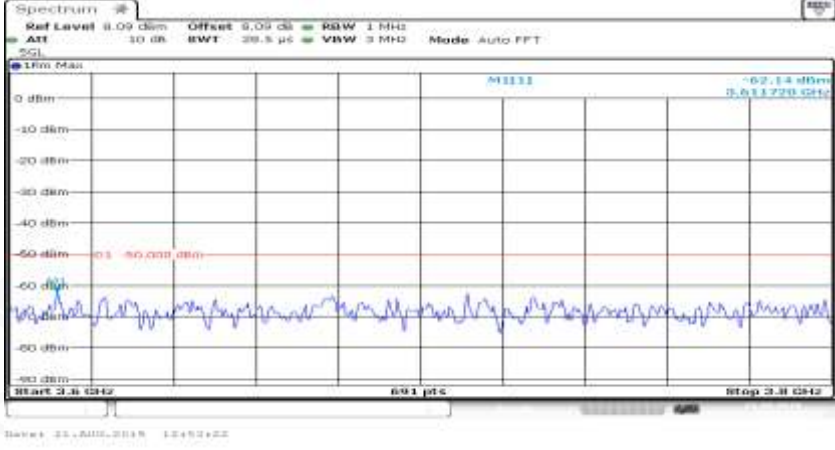


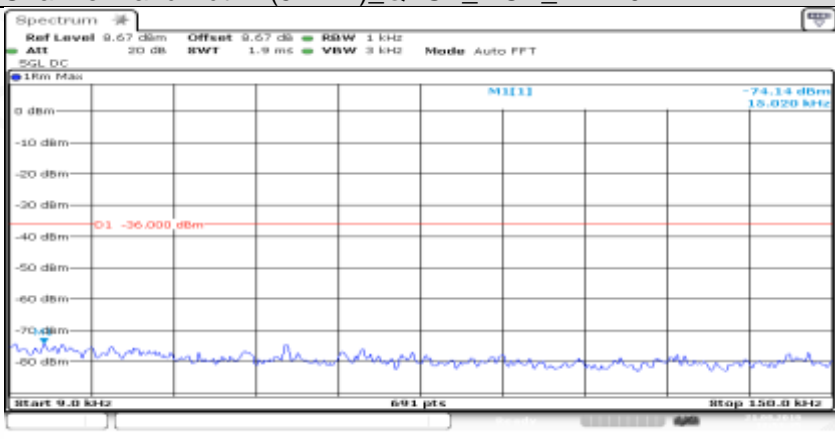
Co-existence	
Co-existence	
Co-existence	

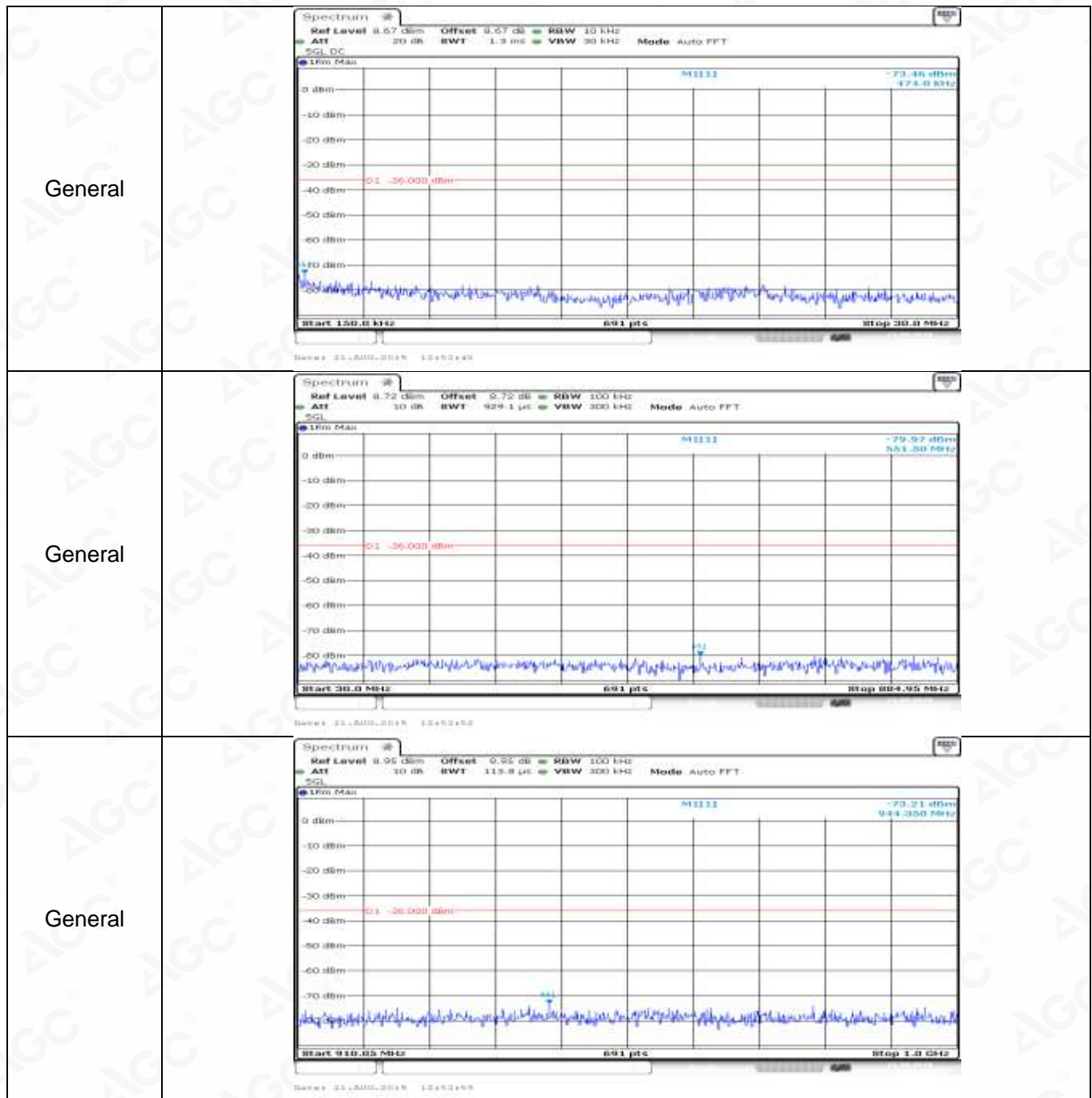


Co-existence	
Co-existence	
Co-existence	

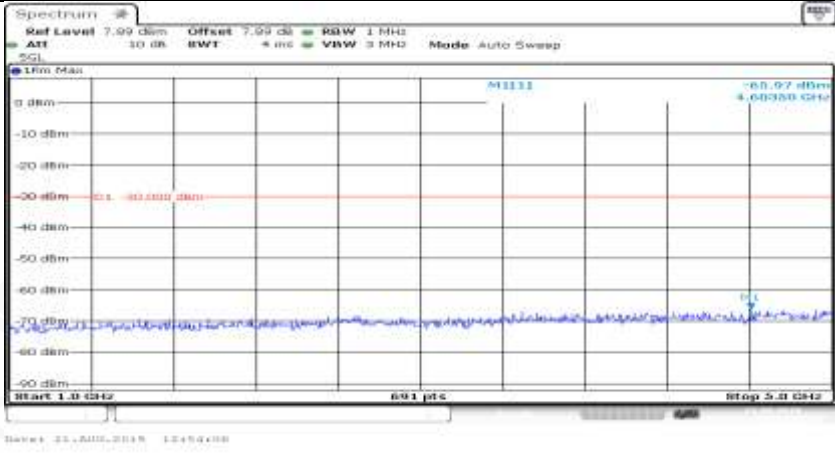
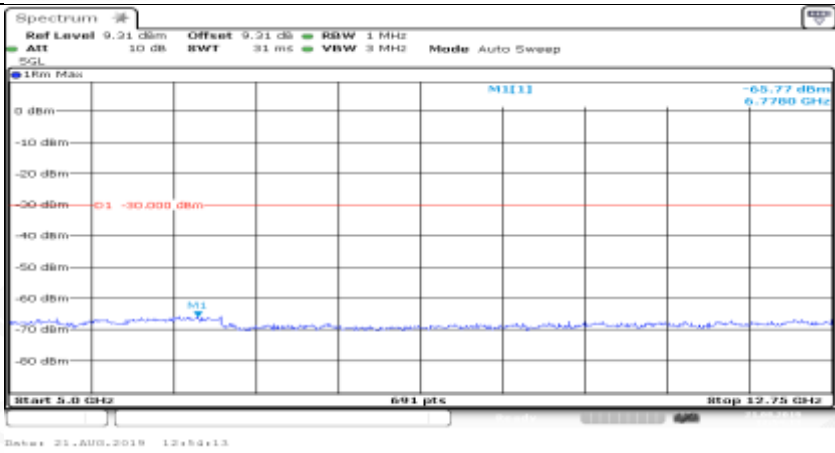
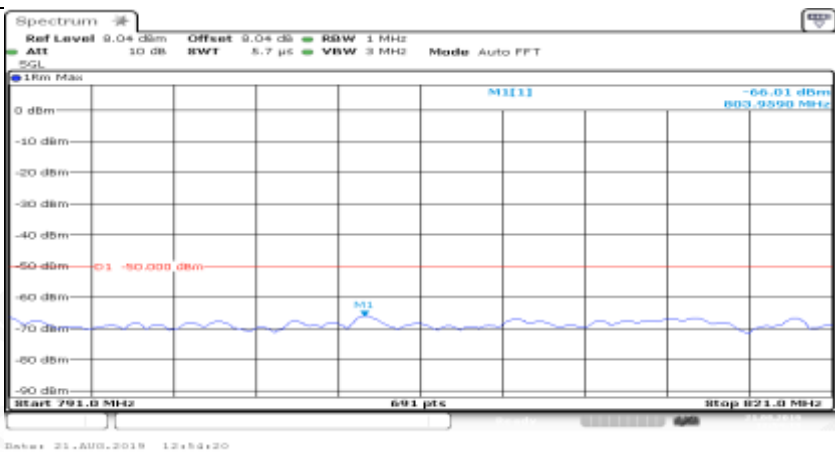


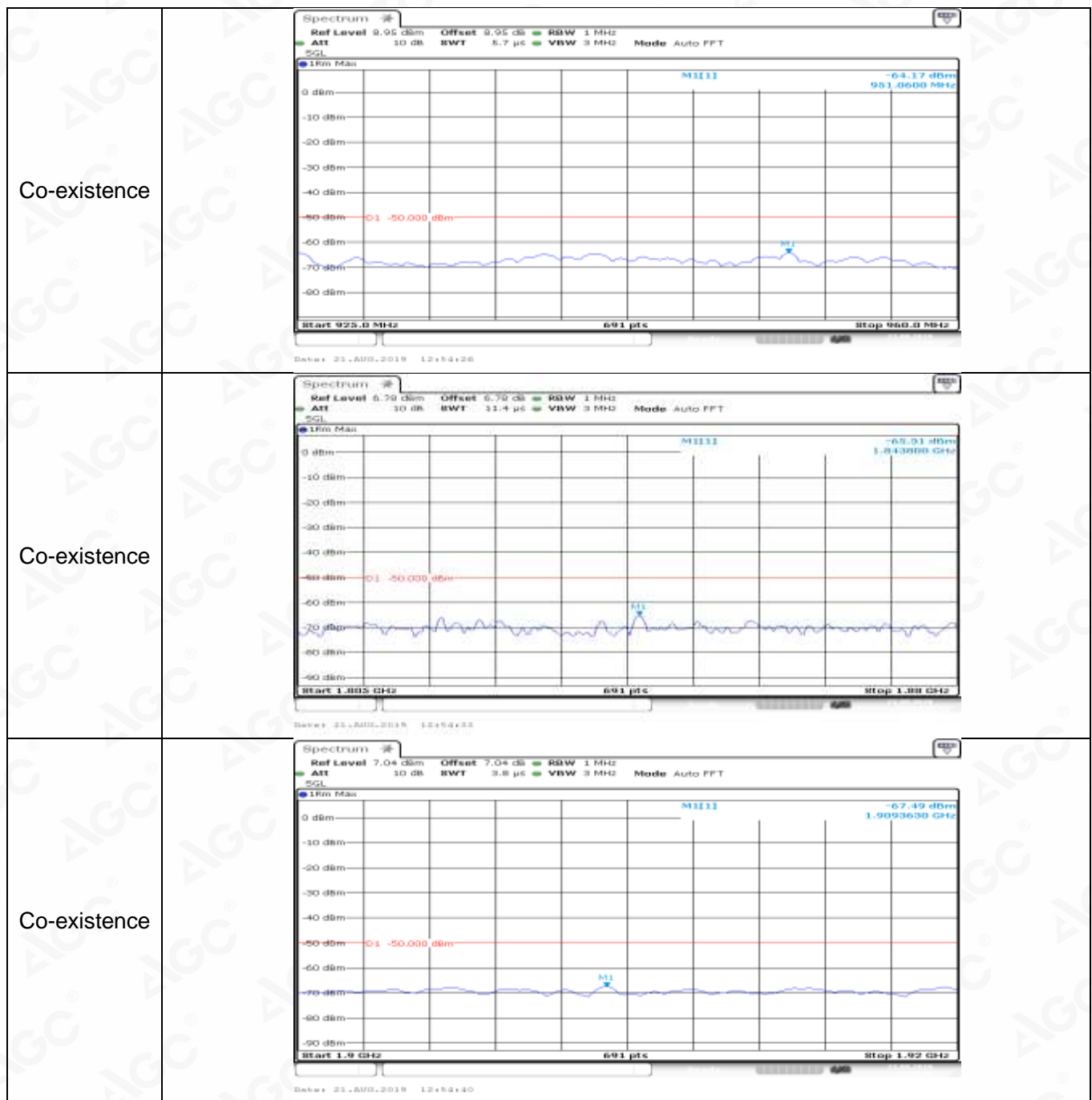
Co-existence	
Co-existence	
Additional	NA

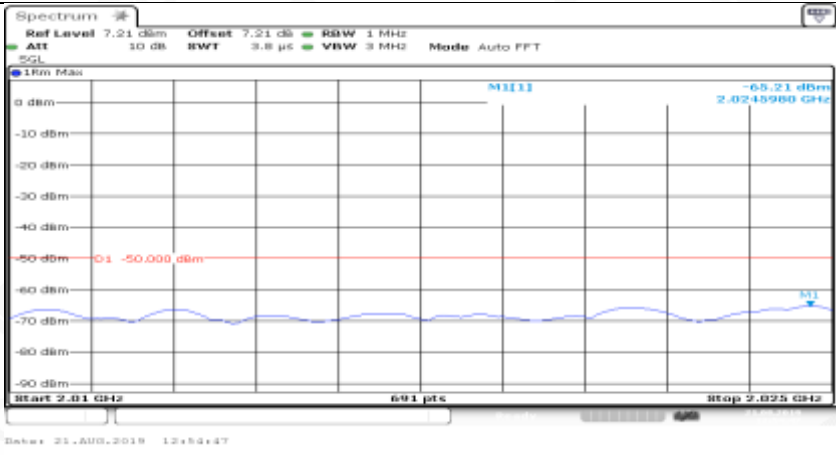

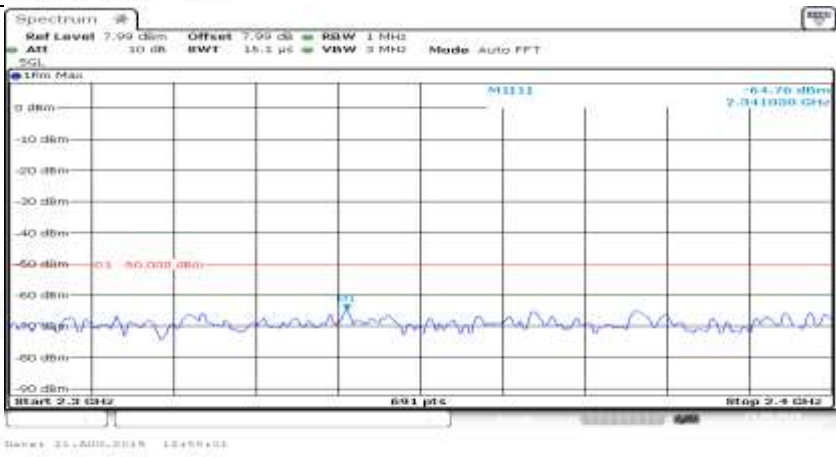
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#0	
General	





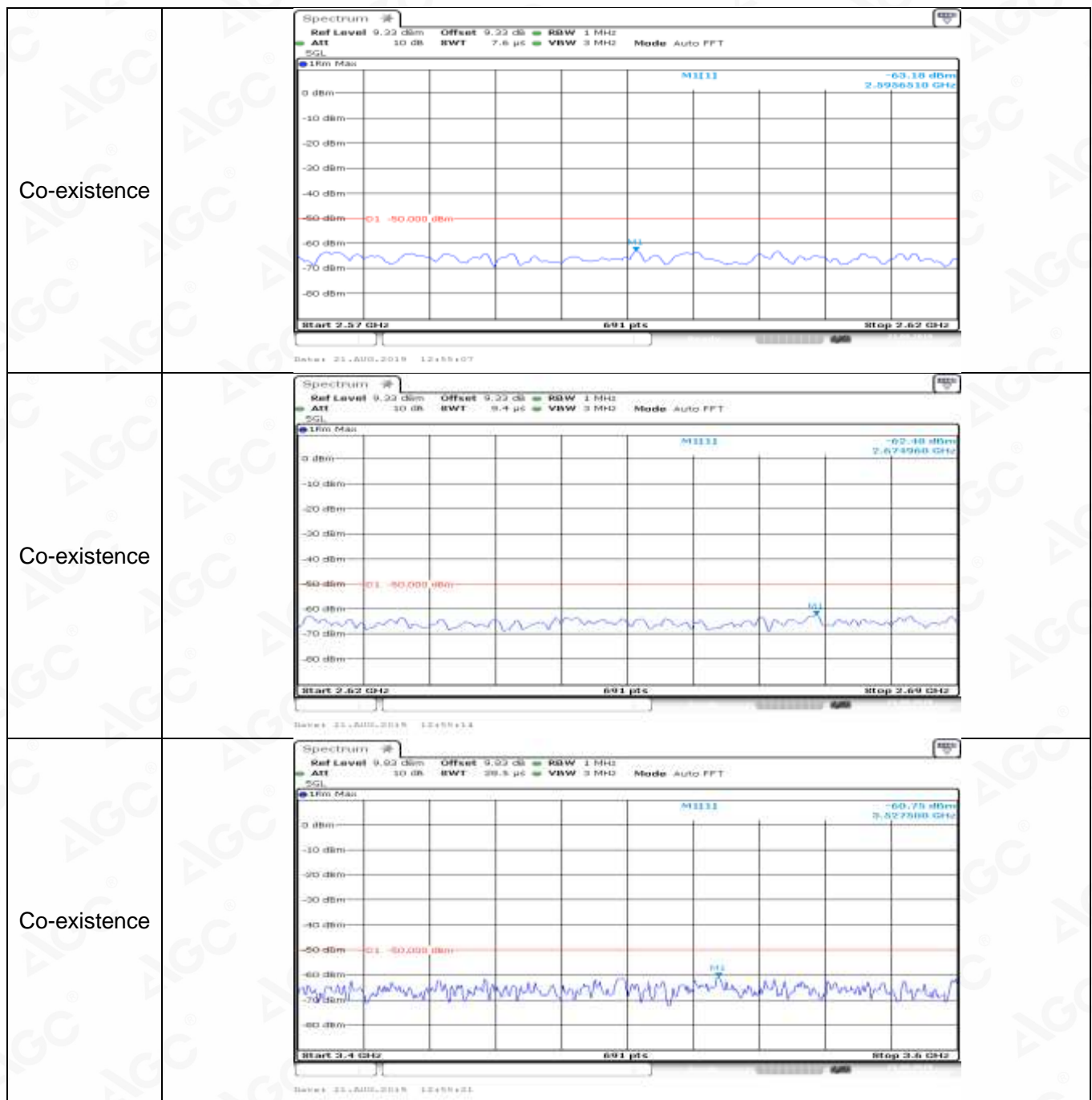
General	
General	
Co-existence	

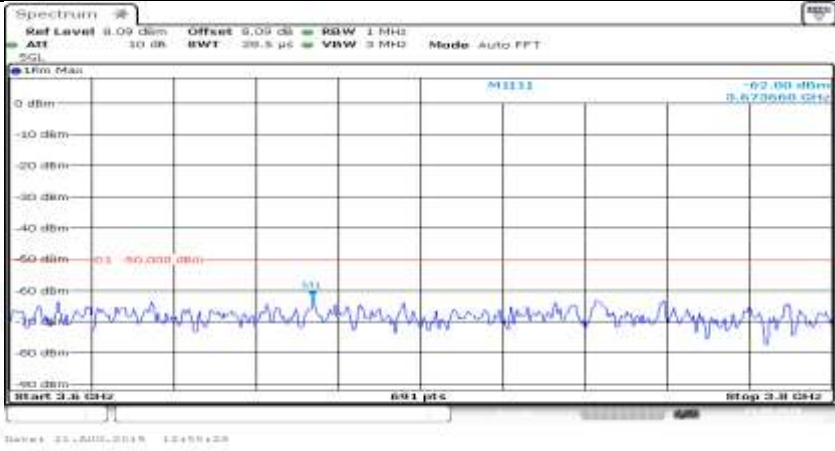


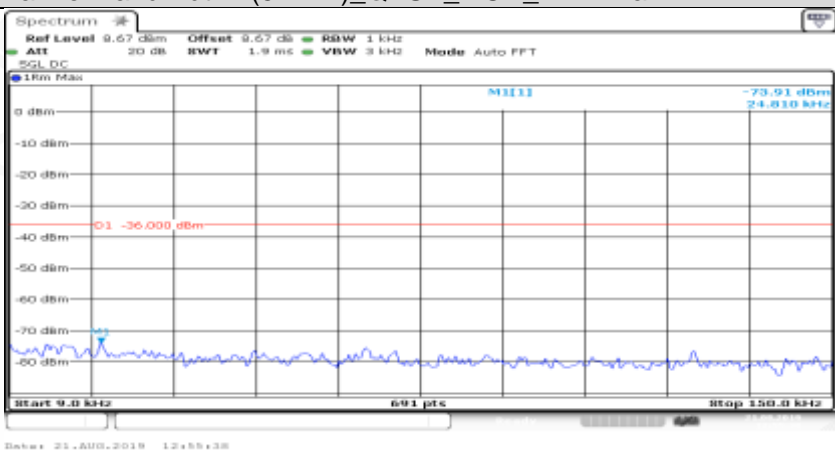
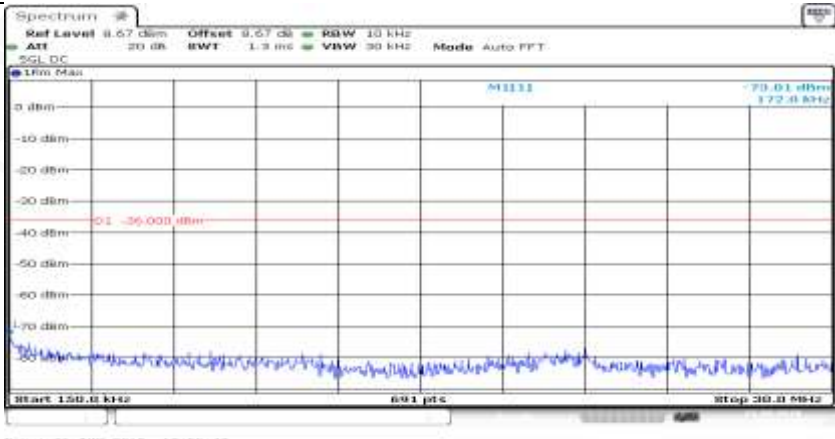
Co-existence	
Co-existence	
Co-existence	

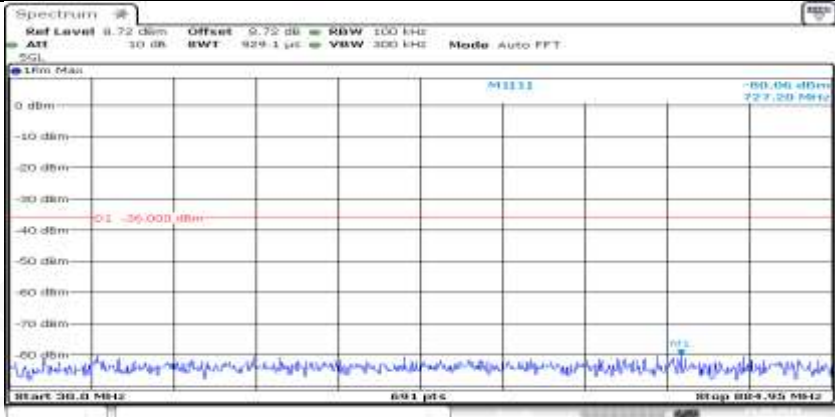
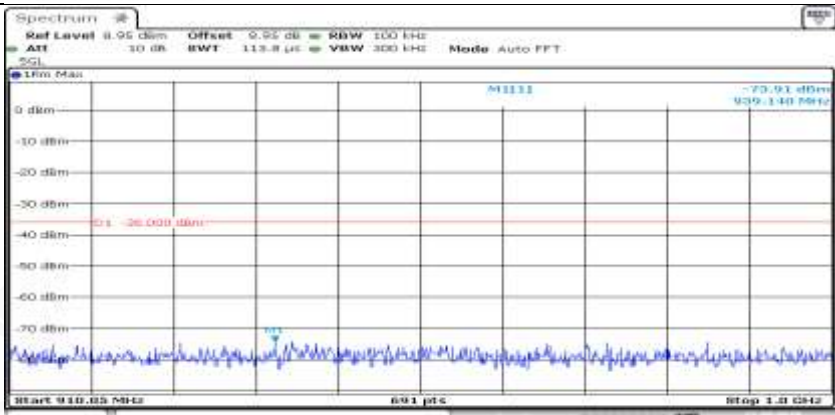
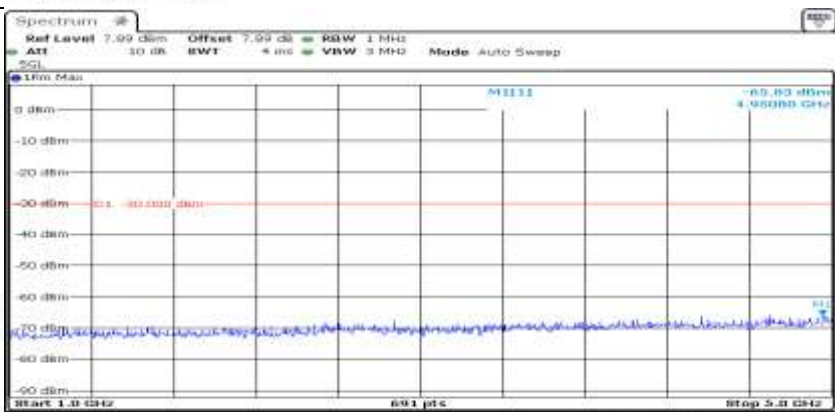




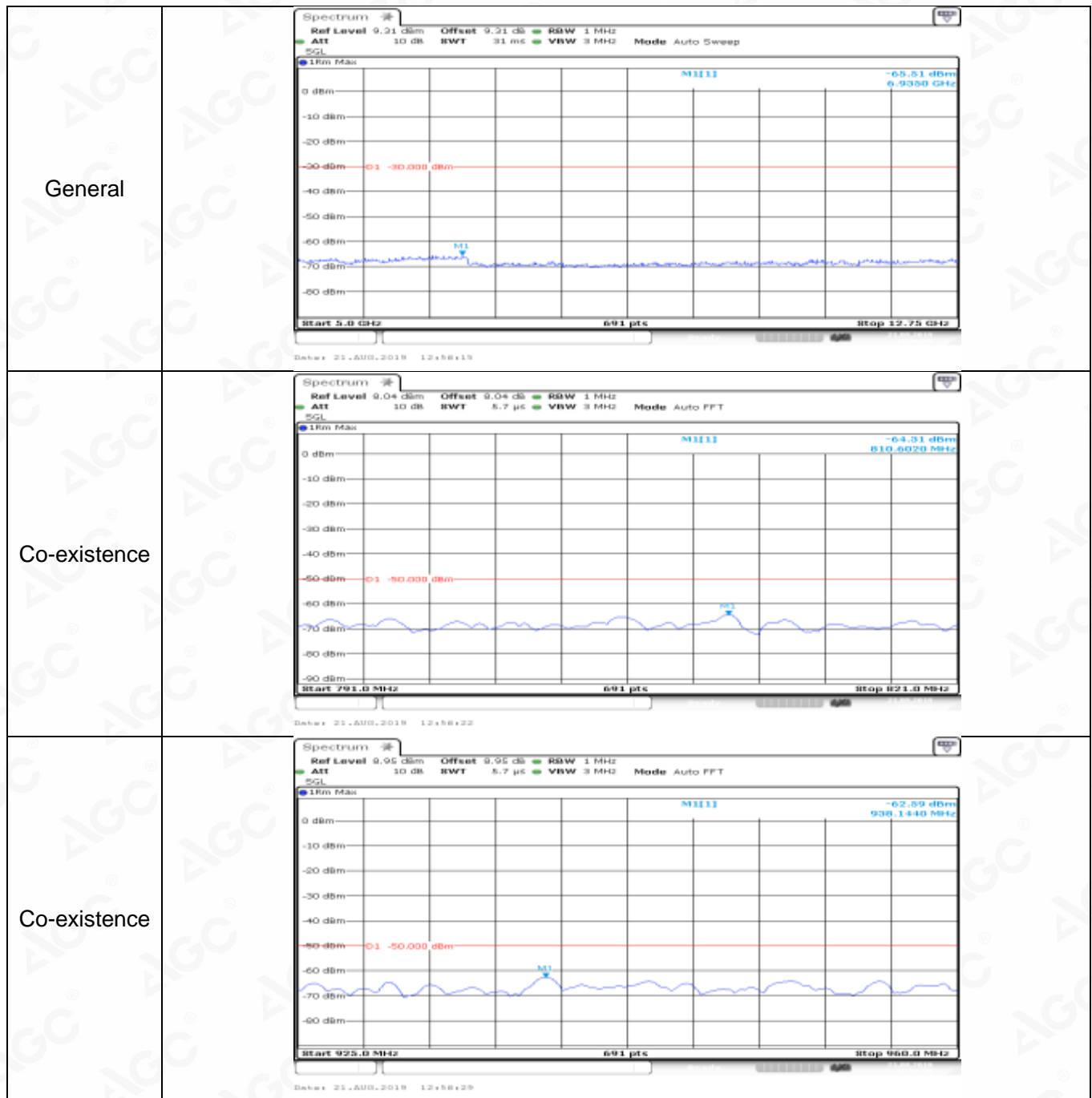


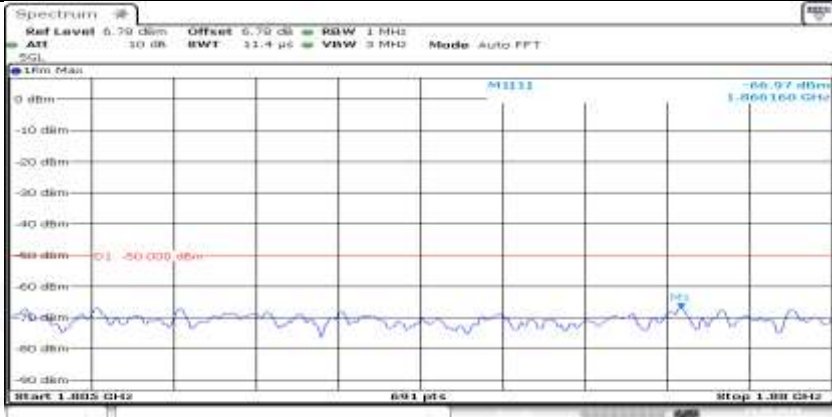
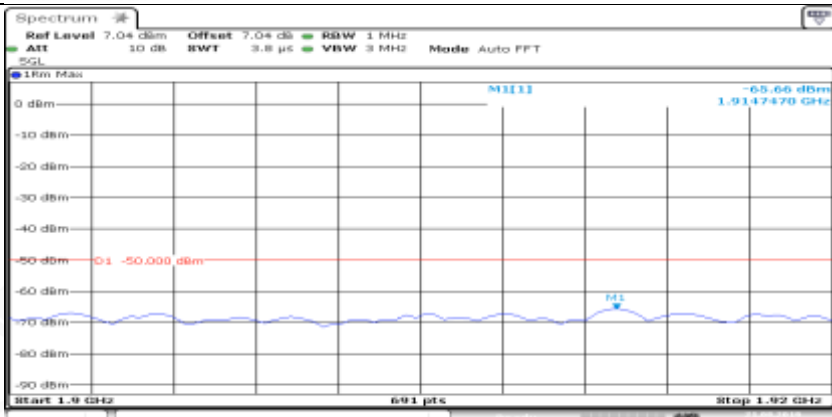
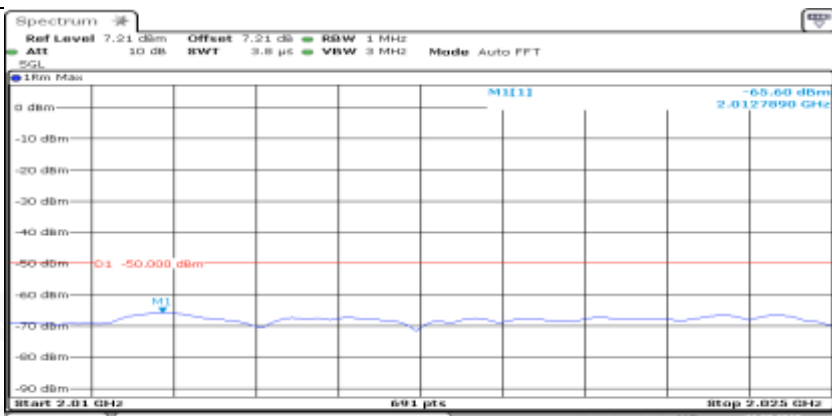
Co-existence	
Additional	NA

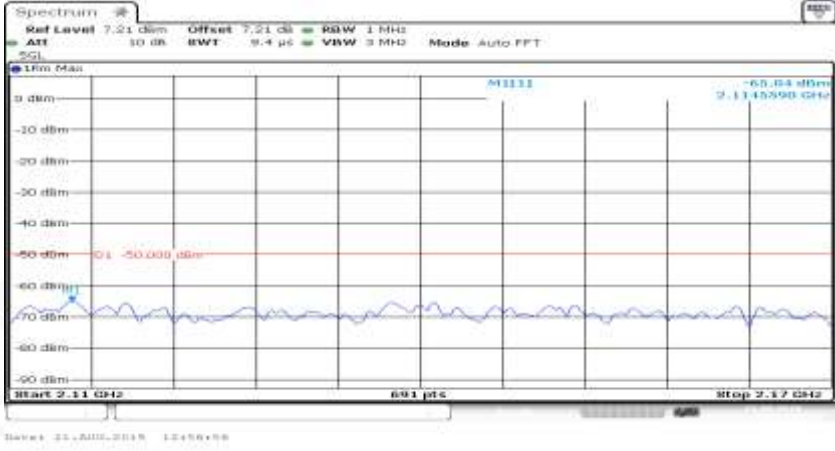
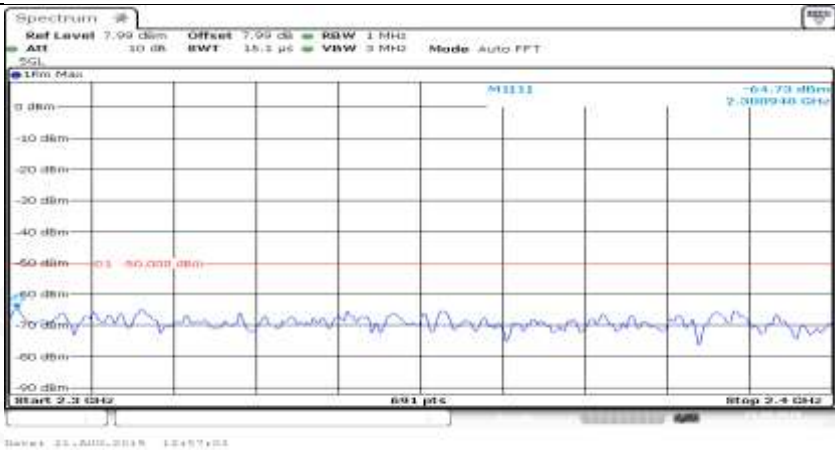
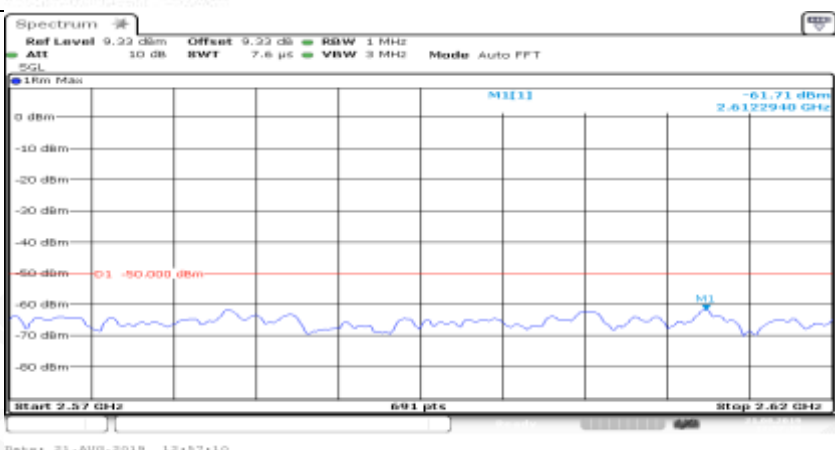
Channel Bandwidth= (5 MHz)_QPSK_MCH_1RB#max	
General	
General	

General	
General	
General	


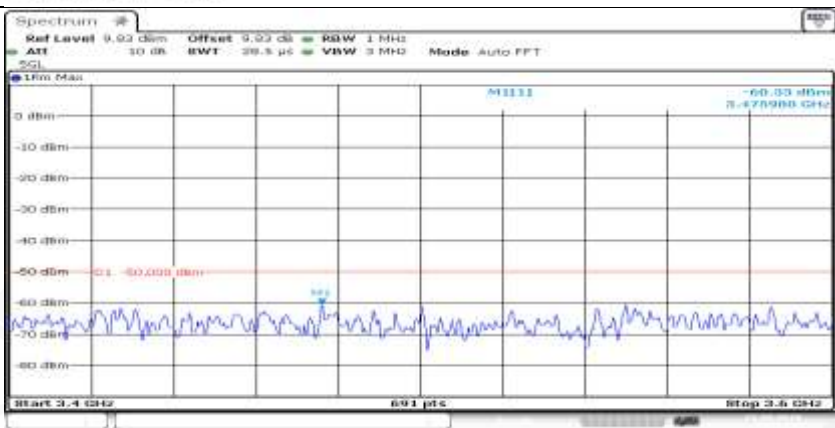
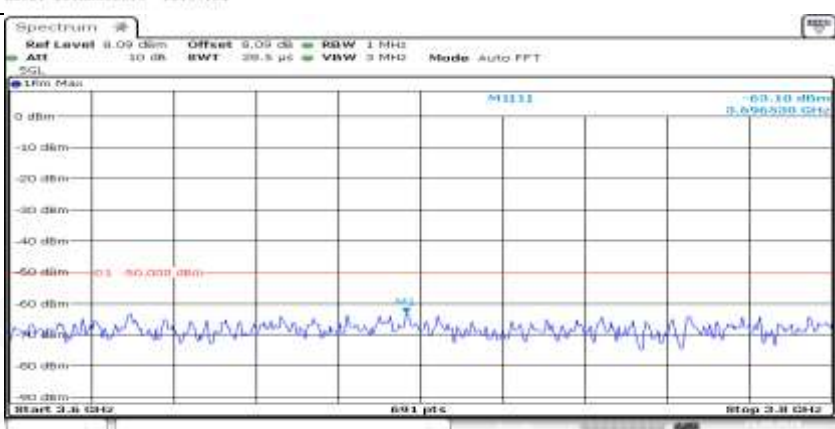




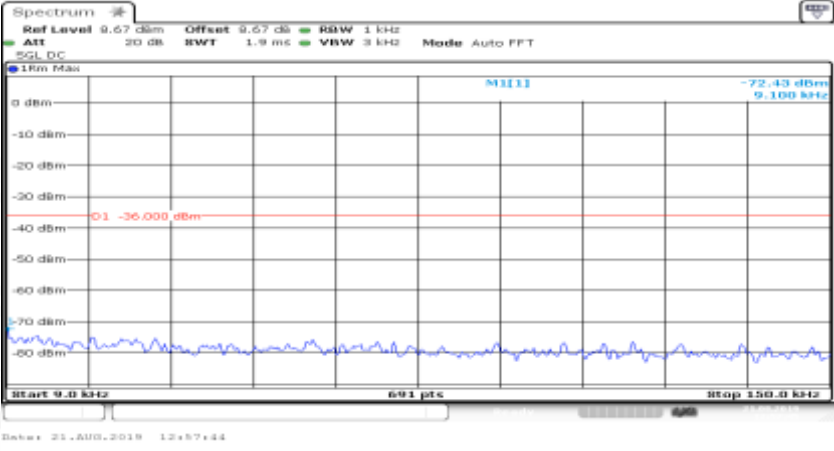
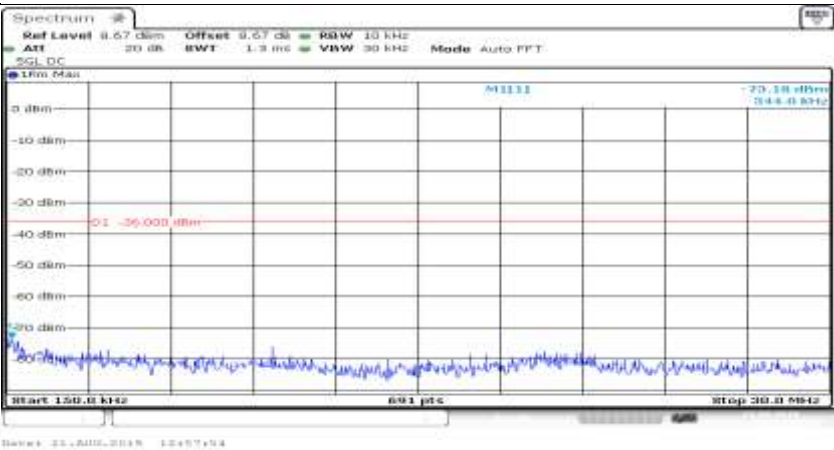
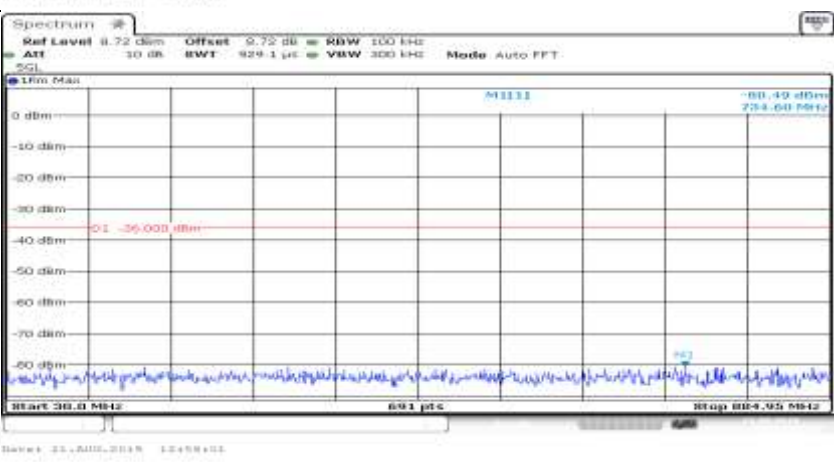
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Co-existence	
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Co-existence	

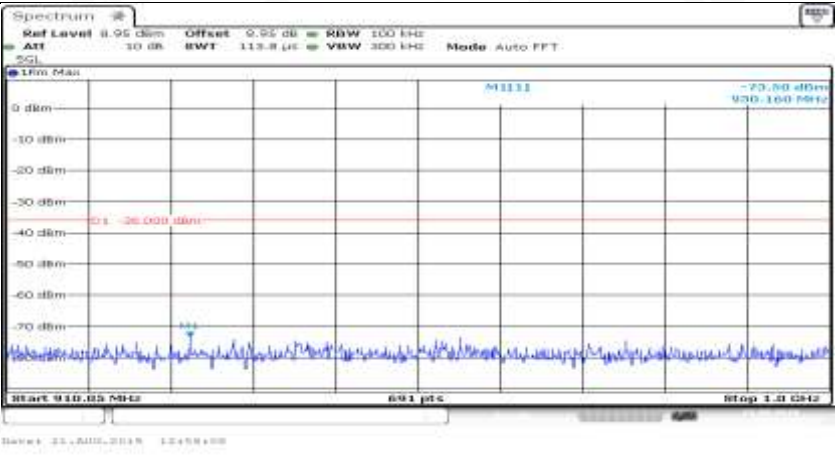
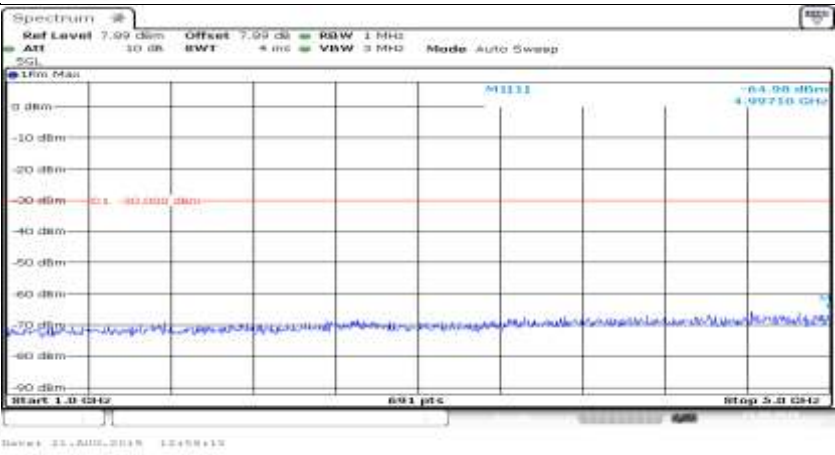
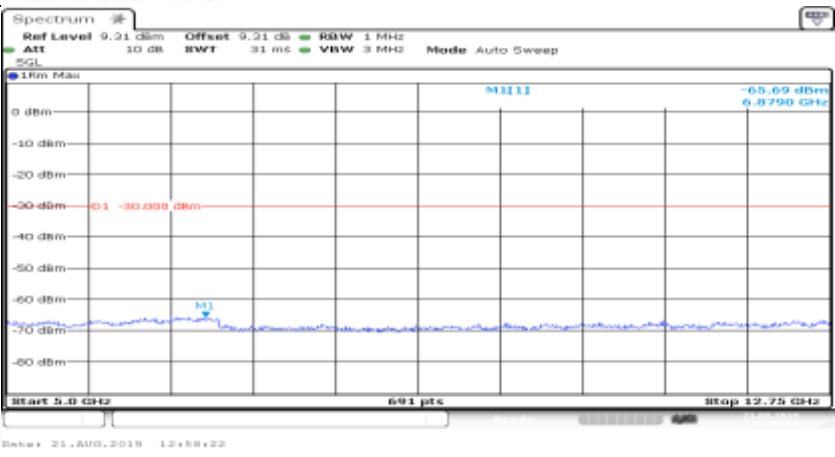


Co-existence	
Co-existence	
Co-existence	
Additional	NA

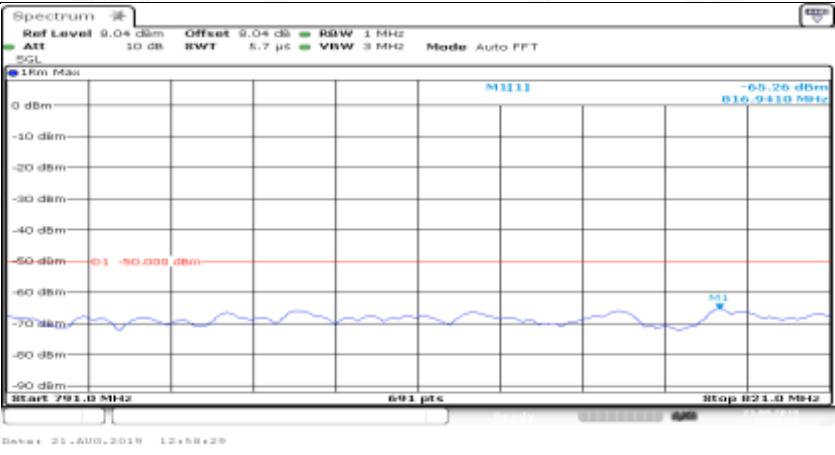
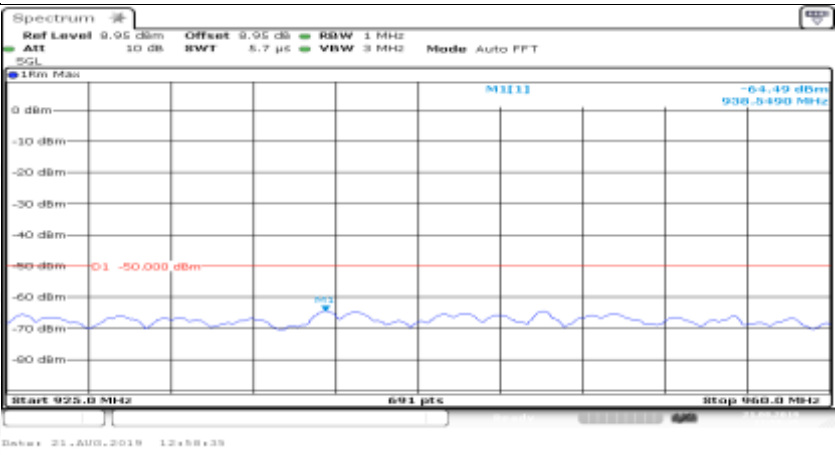
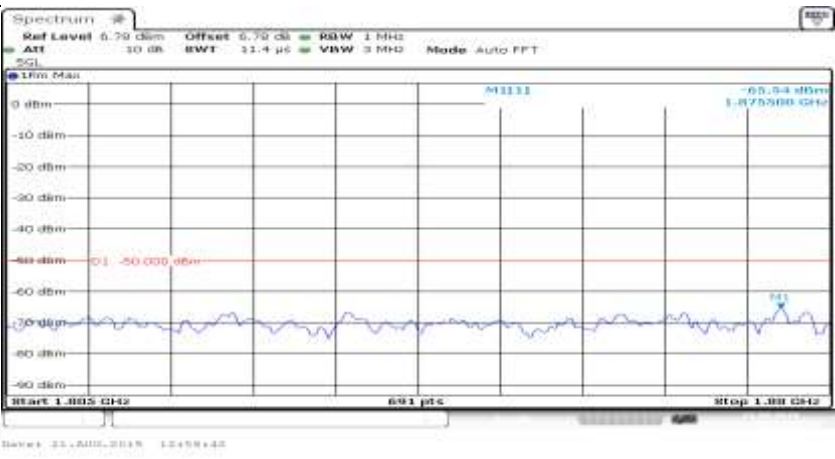
Channel Bandwidth= (5 MHz)\_QPSK\_MCH\_FullRB#0

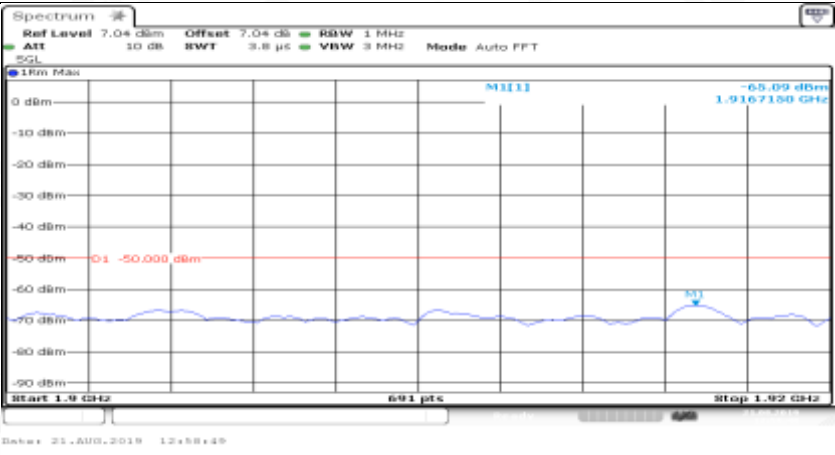
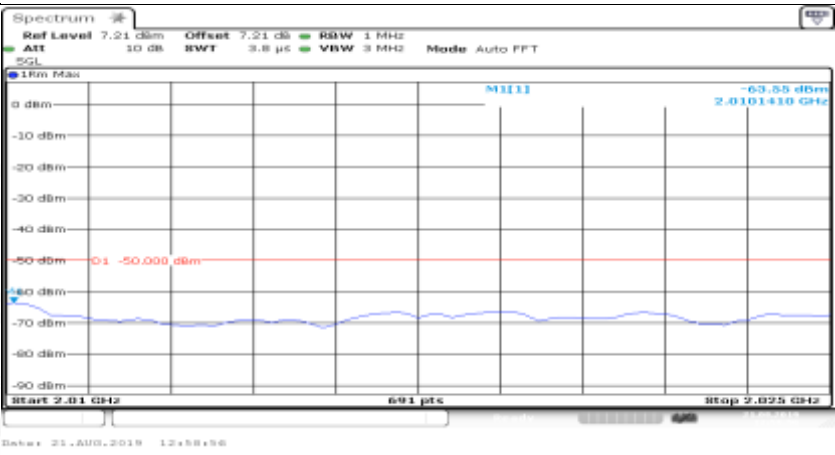

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General	
General	

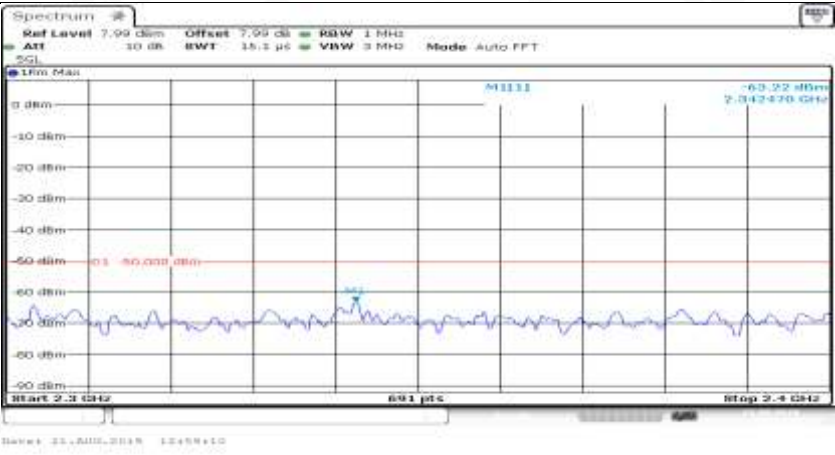
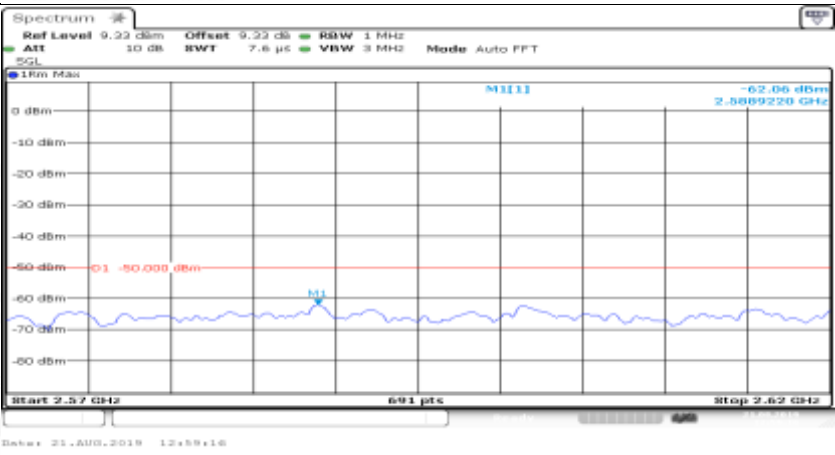



General	
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General	

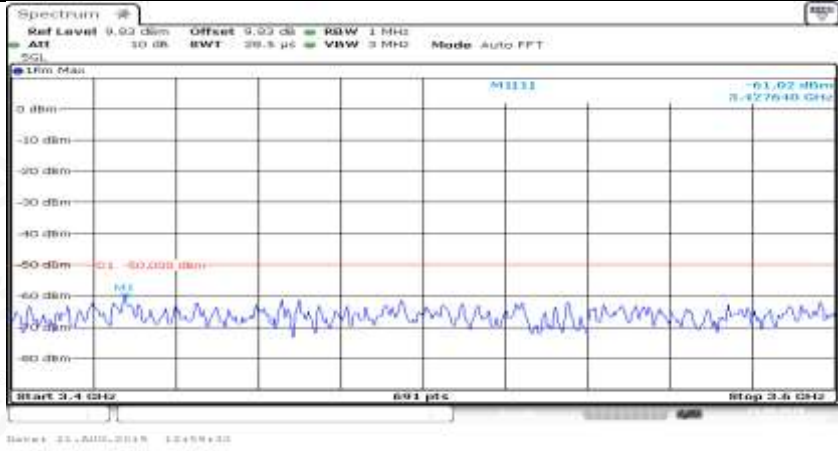
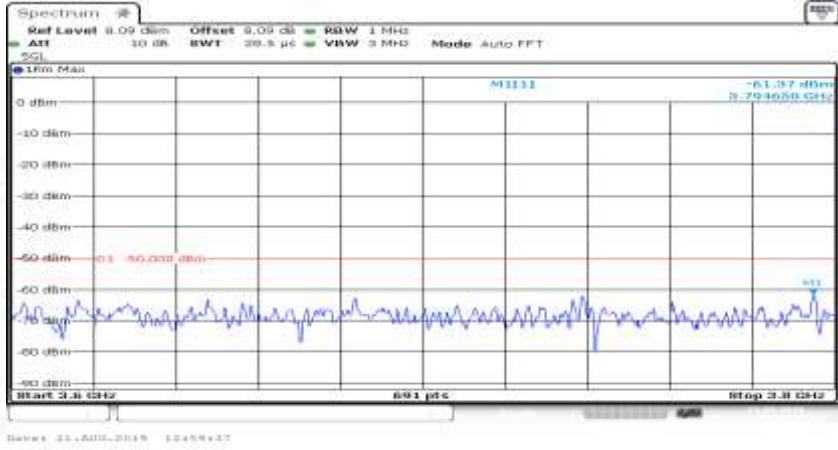


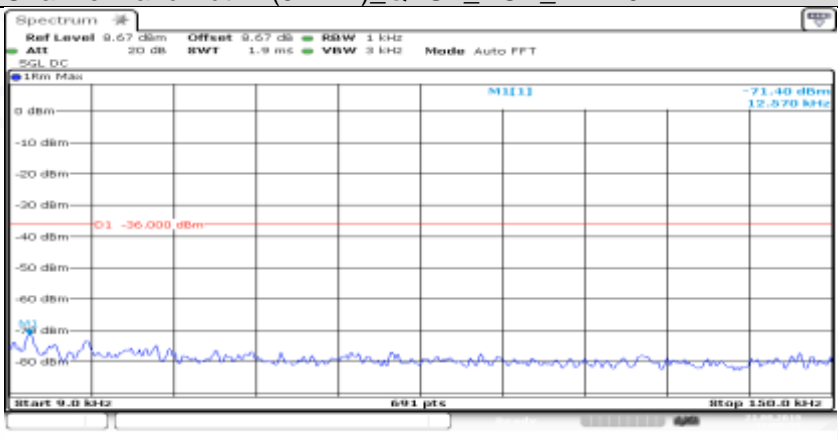
Co-existence	
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Co-existence	

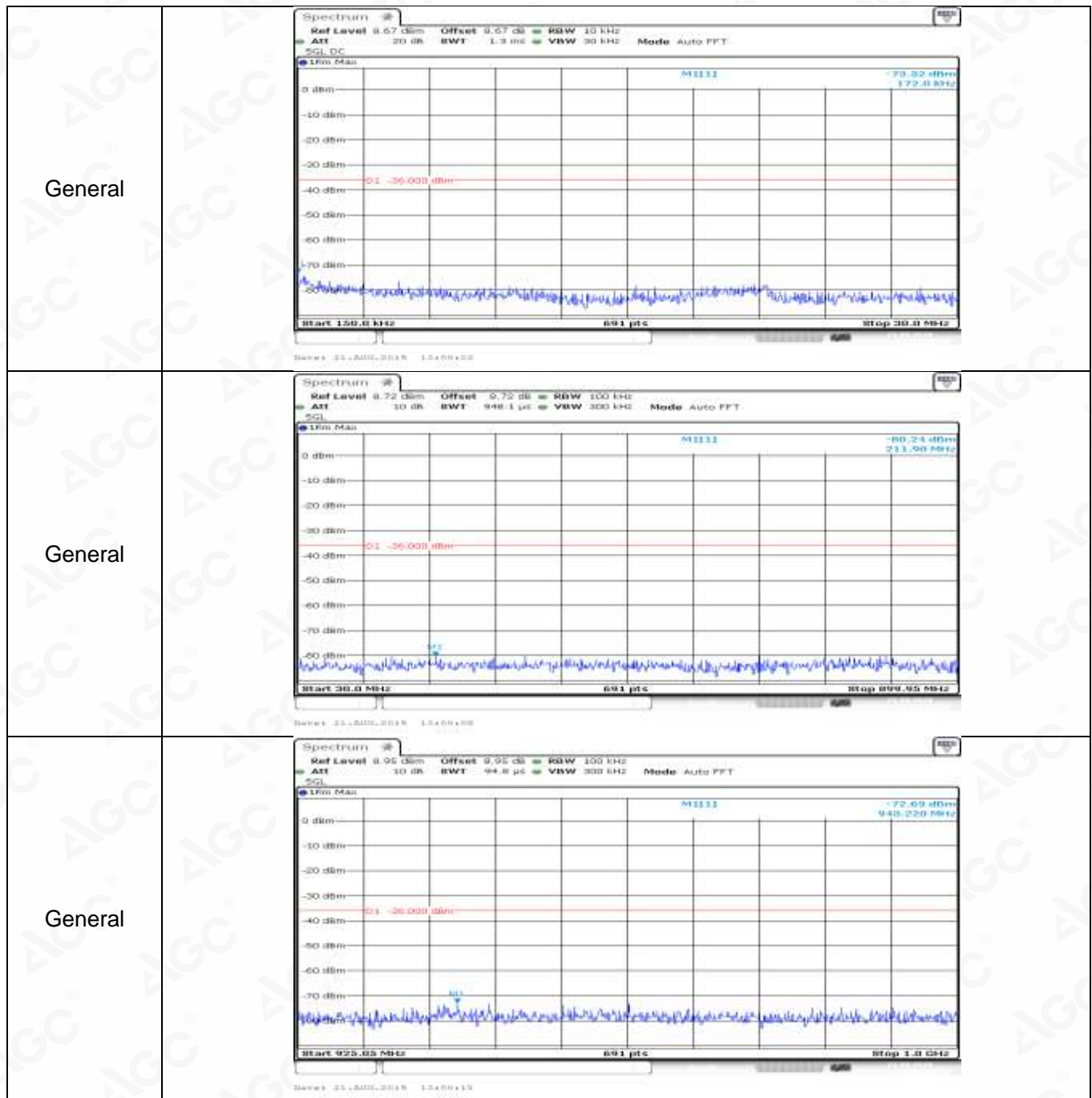
Co-existence	
Co-existence	
Co-existence	

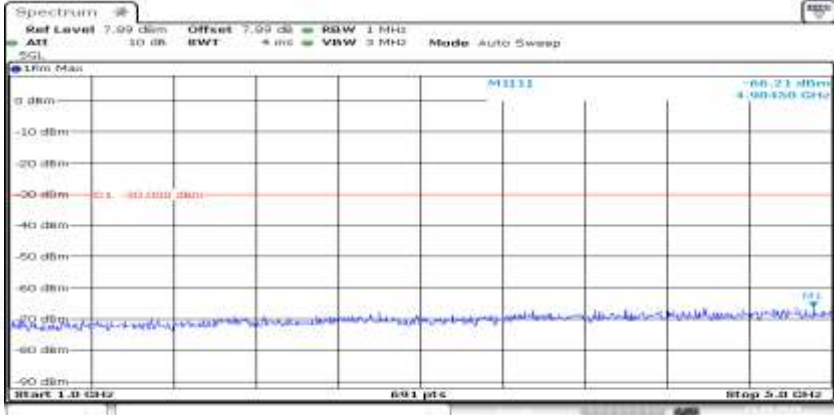
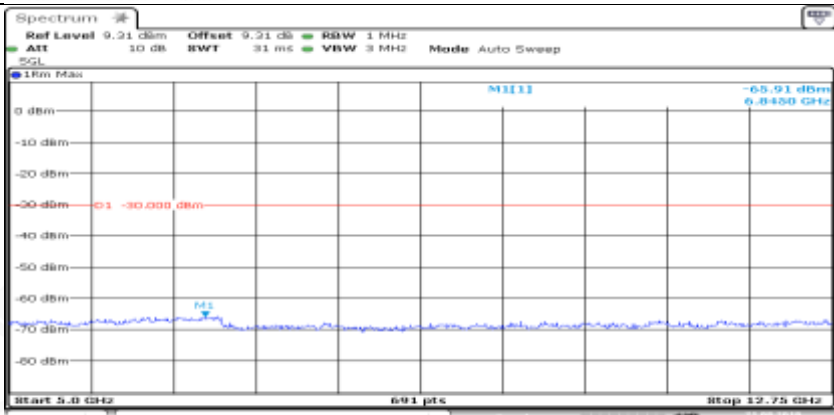
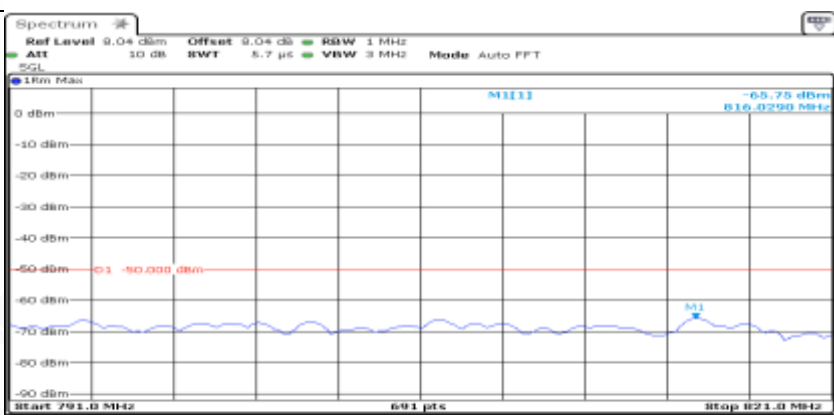
Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#0	
General	

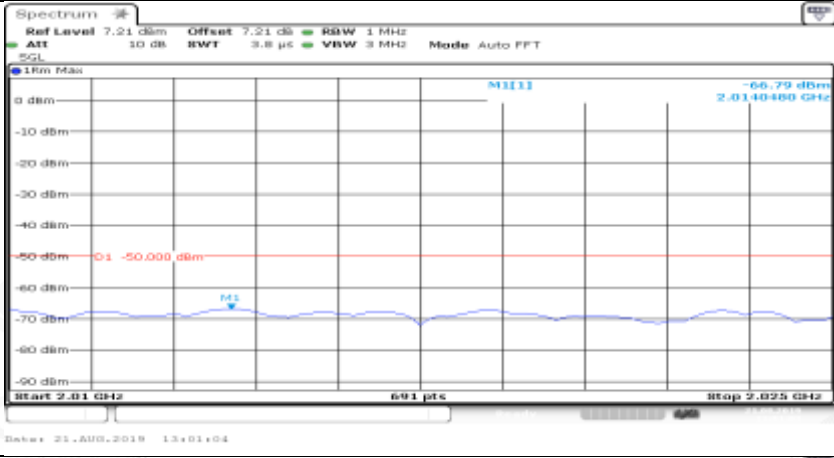
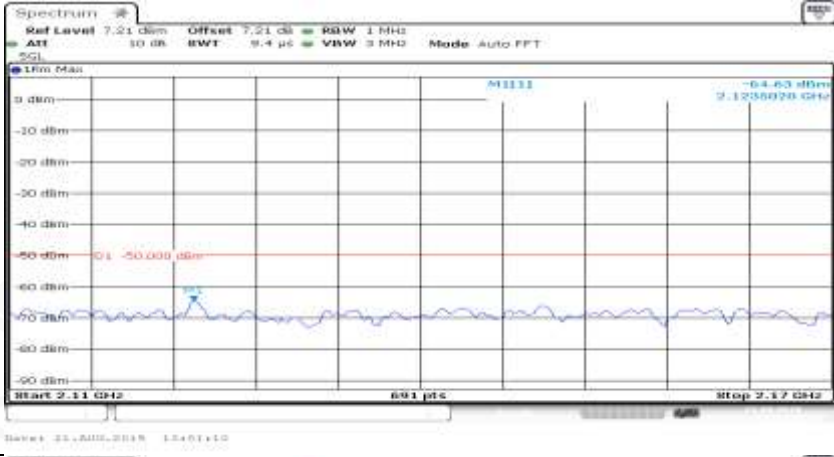
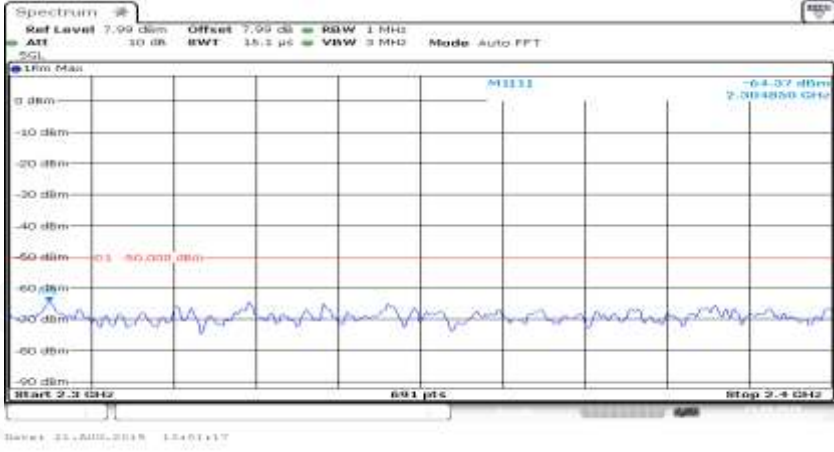


General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>4.00450 GHz -66.21 dBm</p> <p>Start 1.0 GHz Stop 5.0 GHz</p> <p>Date: 21.AUG.2019 13:00:22</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>6.8450 GHz -65.91 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 13:00:29</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>8.0290 MHz -65.75 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 21.AUG.2019 13:00:36</p>

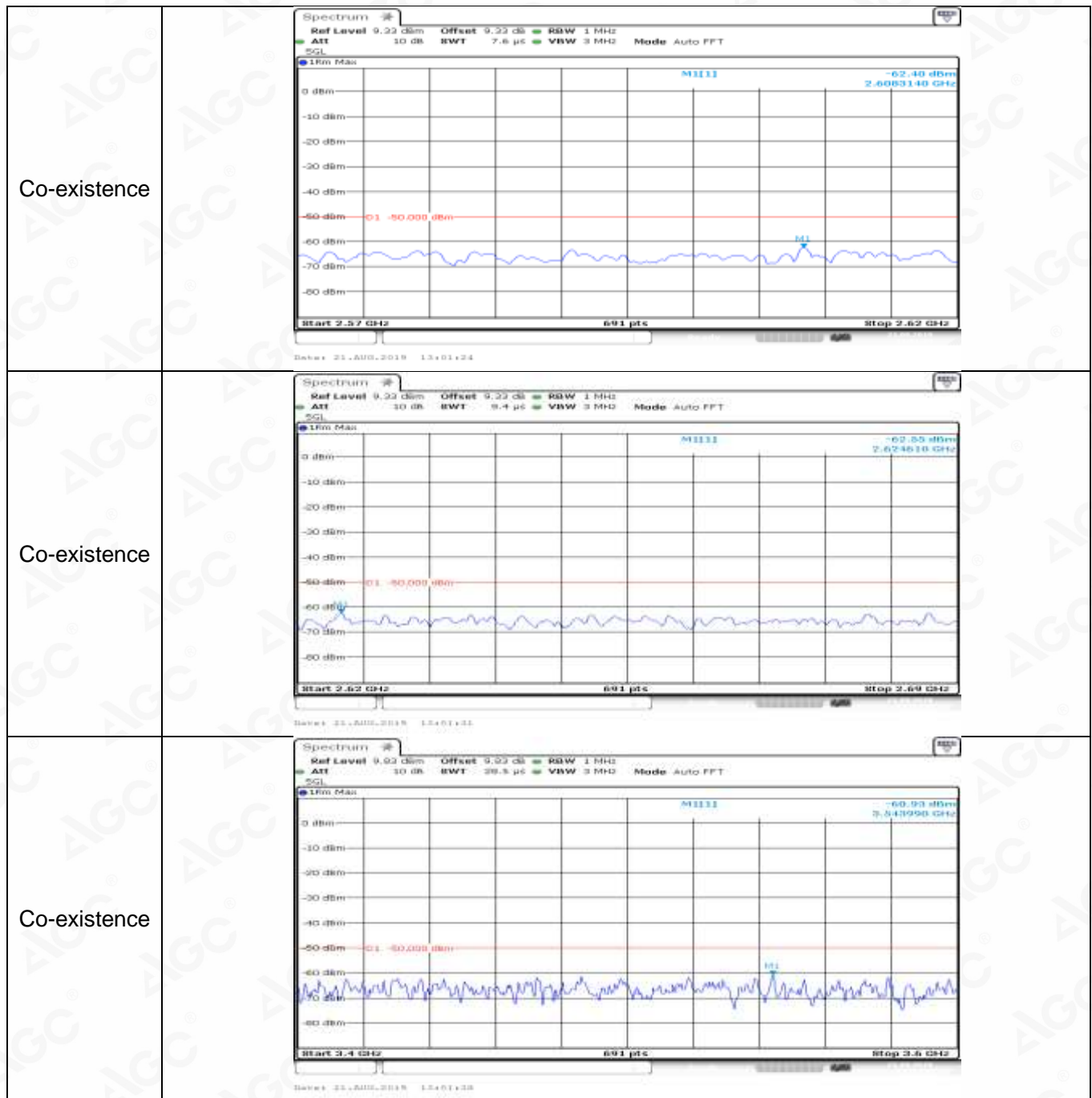




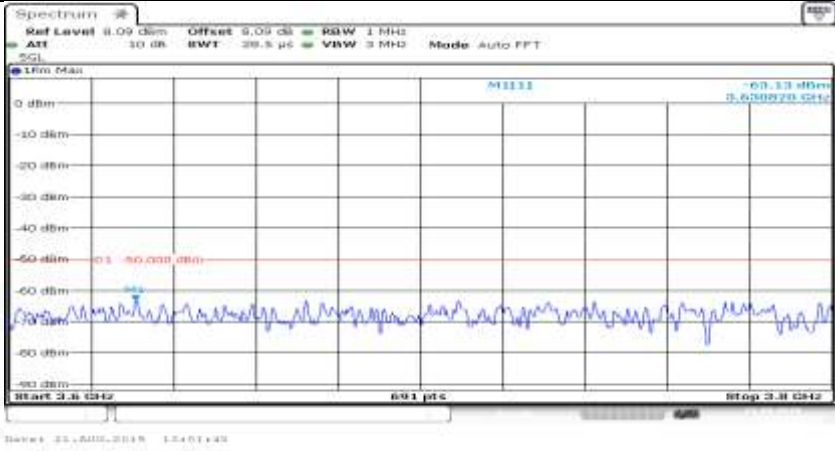
  
Attestation of Global Compliance

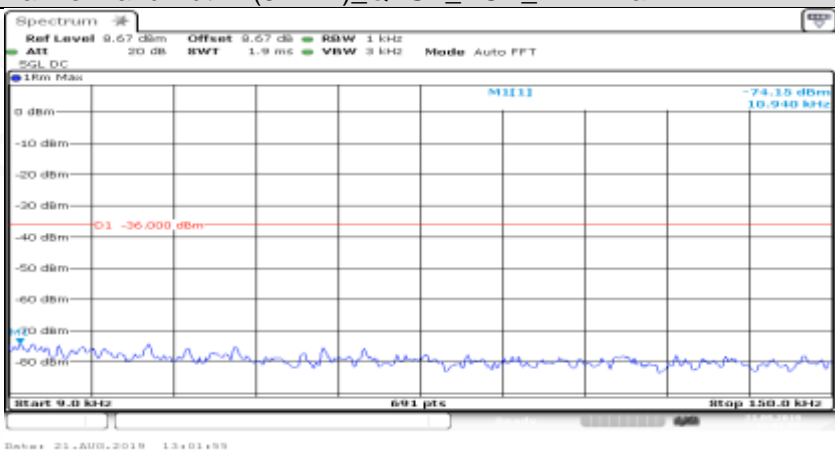
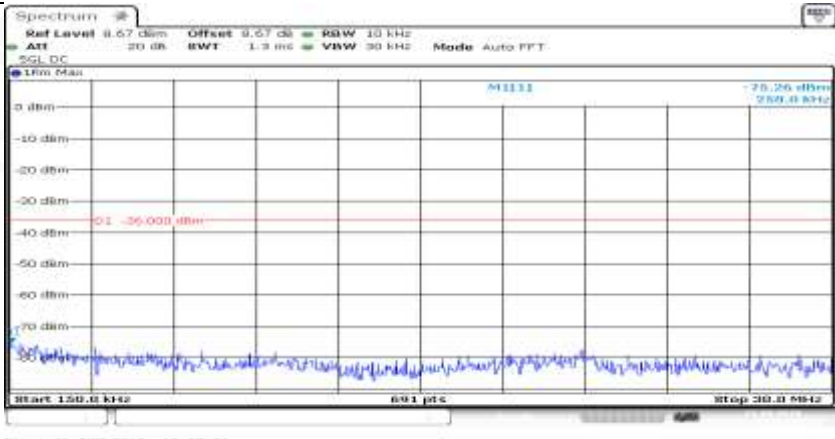
Co-existence	
Co-existence	
Co-existence	

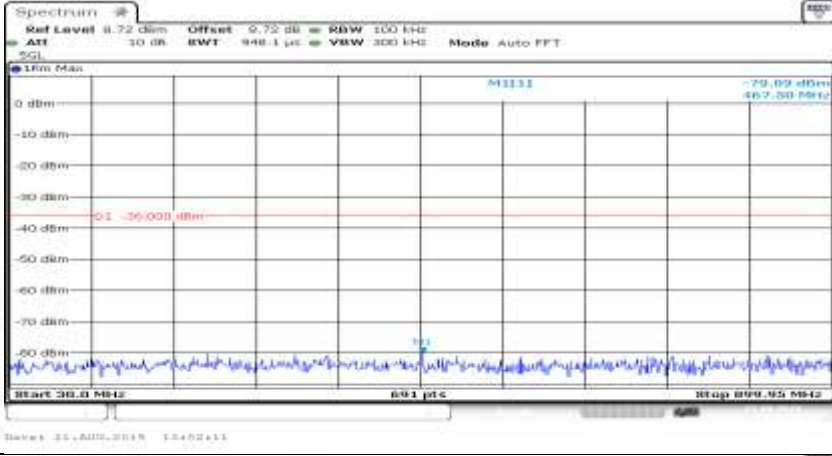
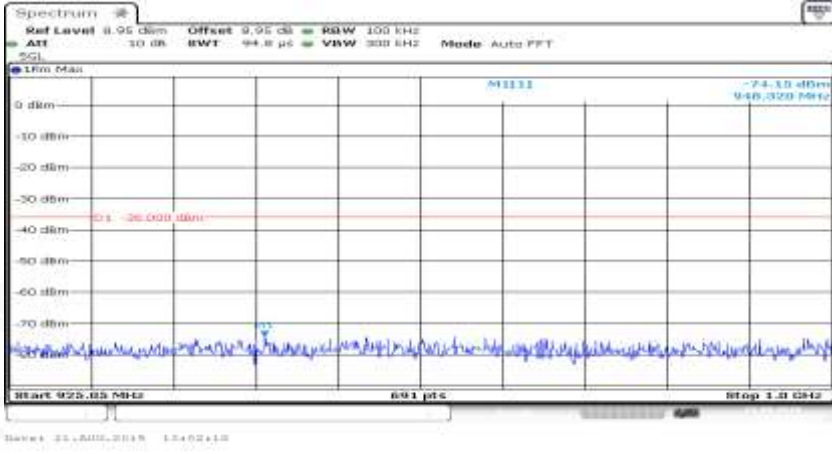
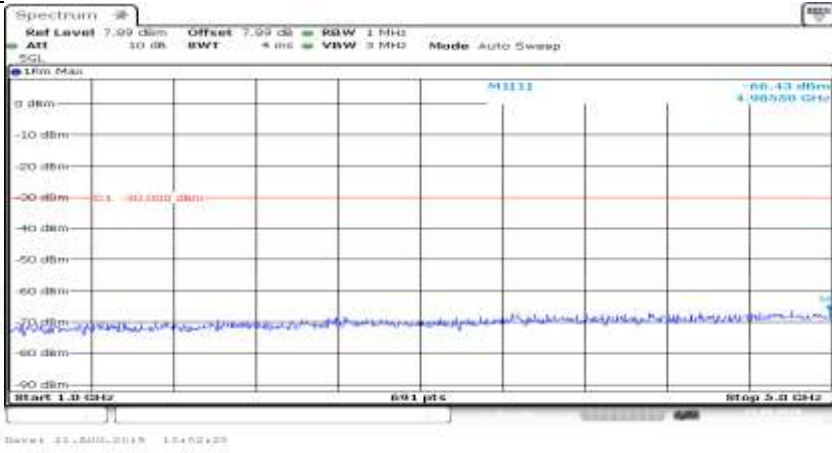


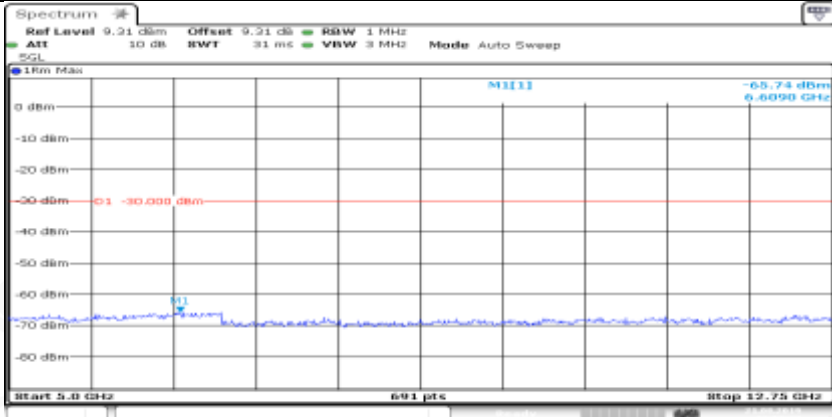
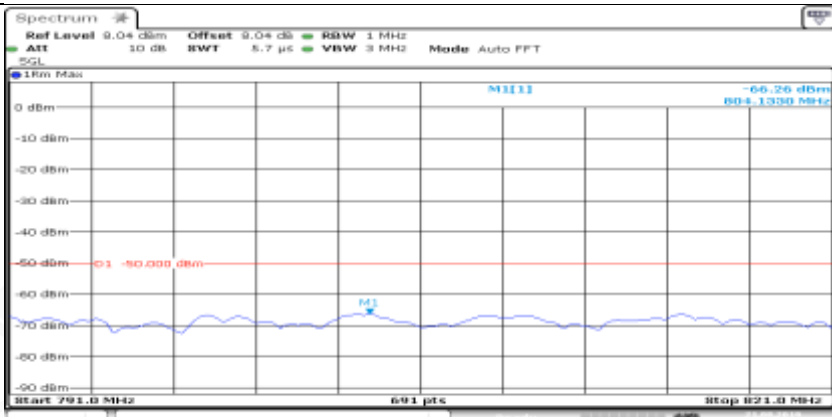
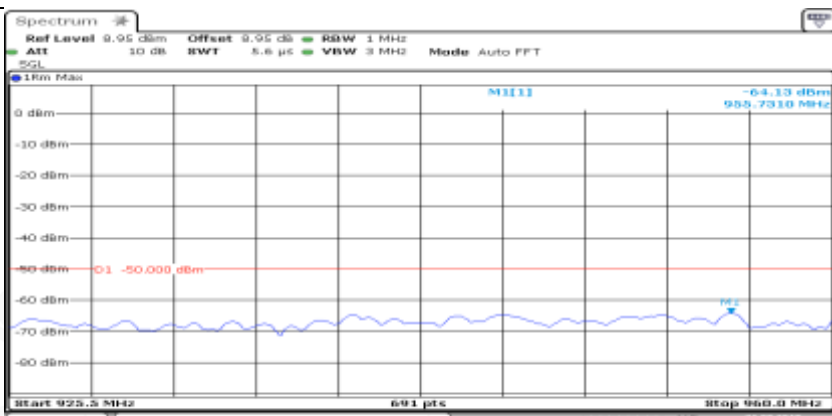




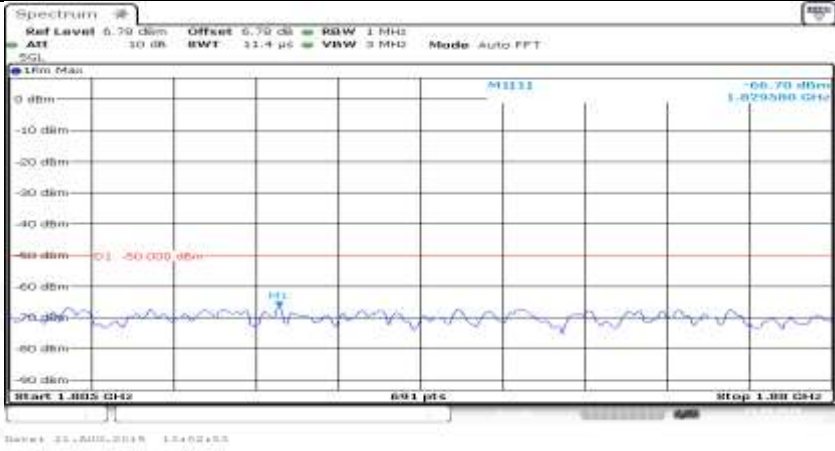
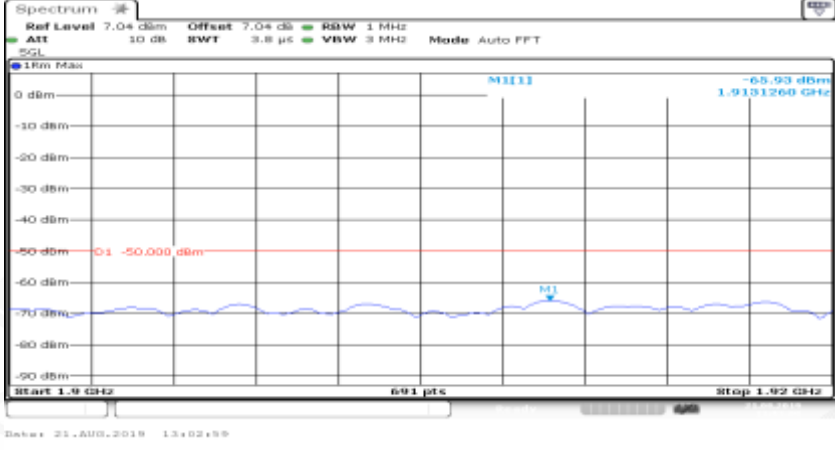
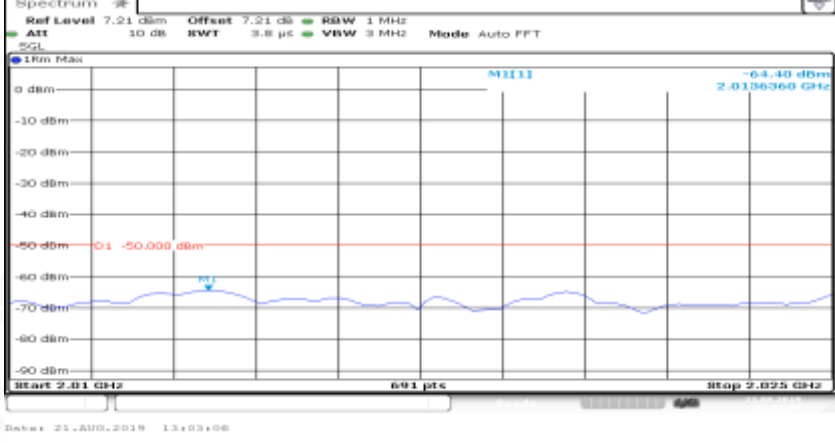
Co-existence	
Additional	NA

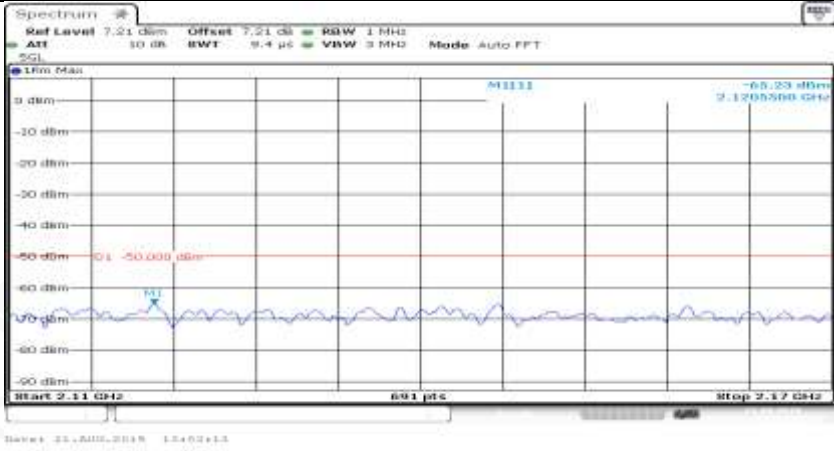

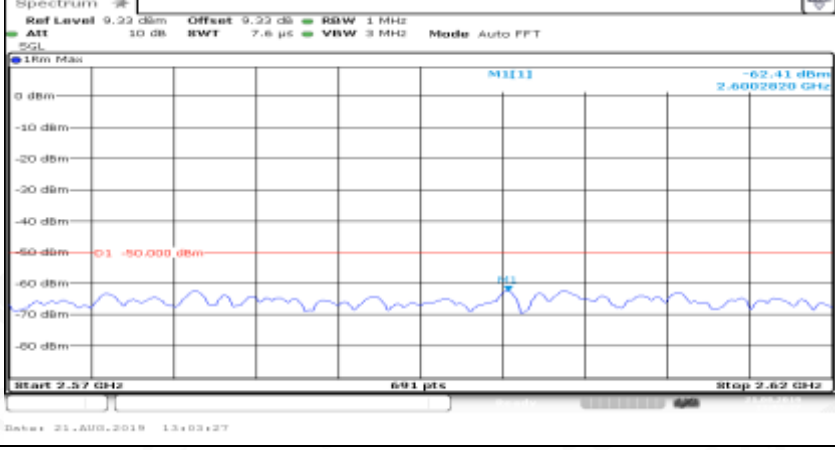
Channel Bandwidth= (5 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	


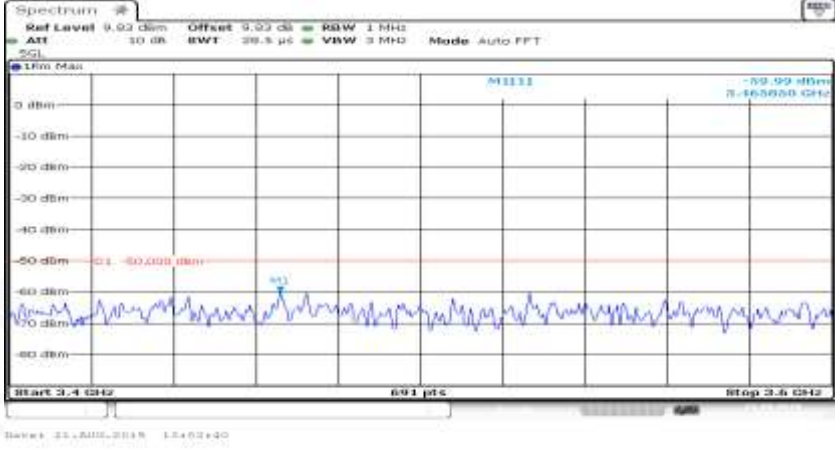
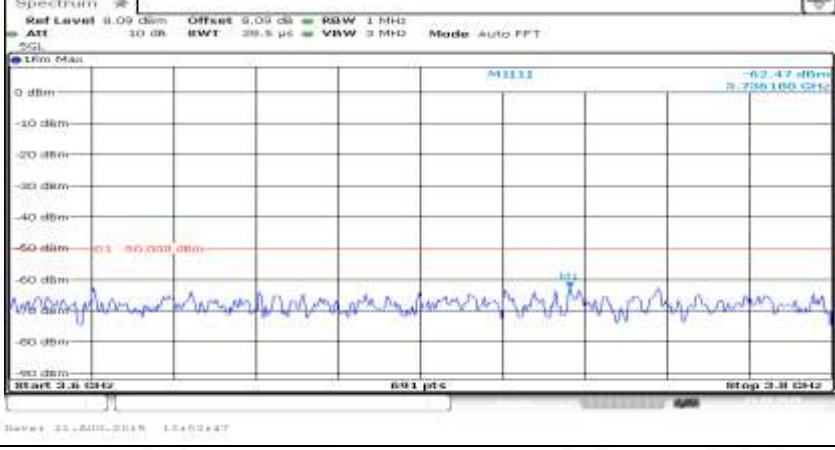
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz Mode Auto Sweep</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 13:02:32</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 13:02:39</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.6 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 925.5 MHz Stop 955.0 MHz</p> <p>691 pts</p> <p>Date: 21.AUG.2019 13:02:46</p>



Co-existence	
Co-existence	
Co-existence	

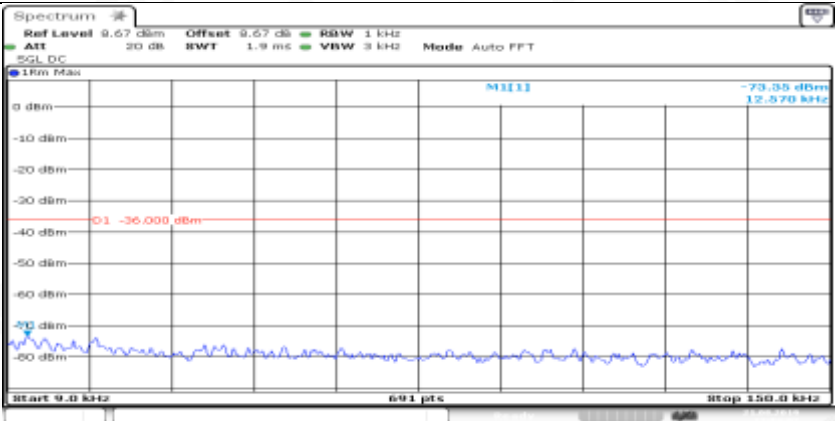
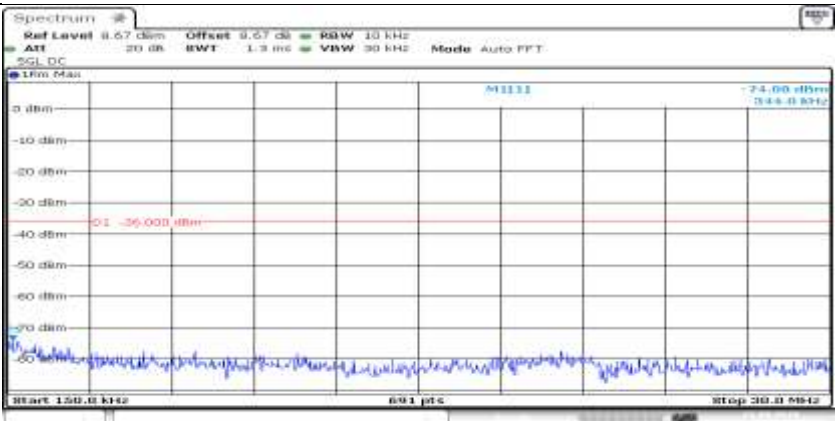
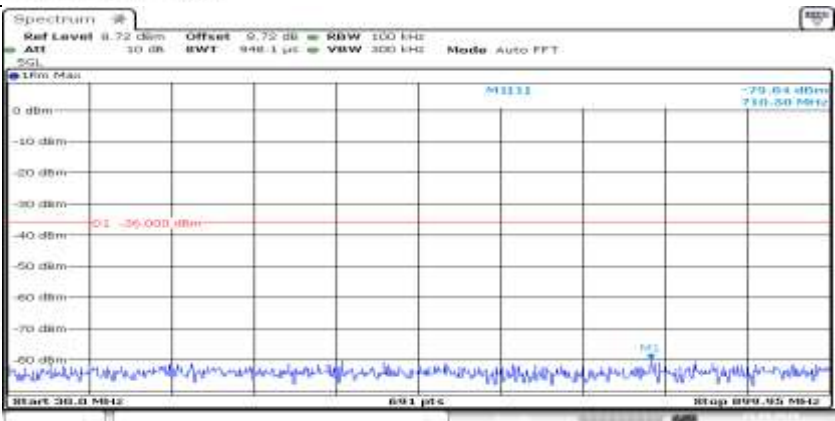
Co-existence	
Co-existence	
Co-existence	

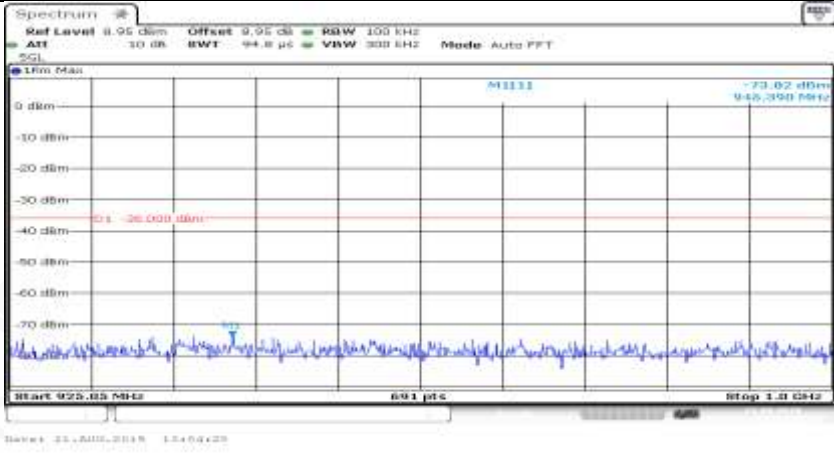
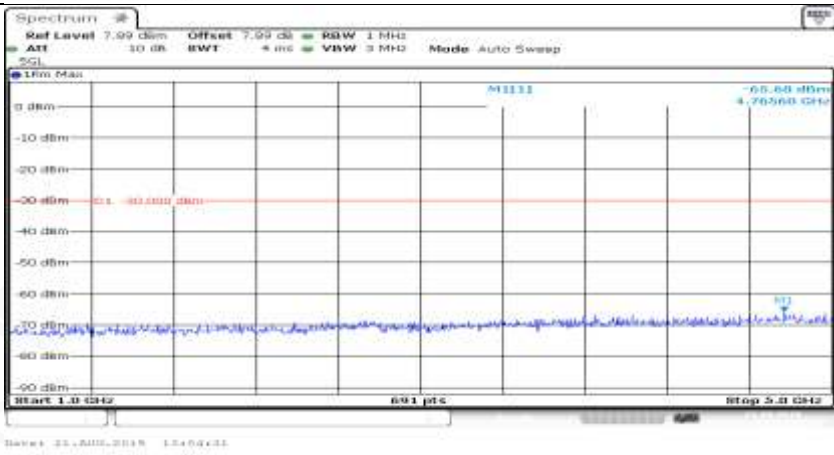
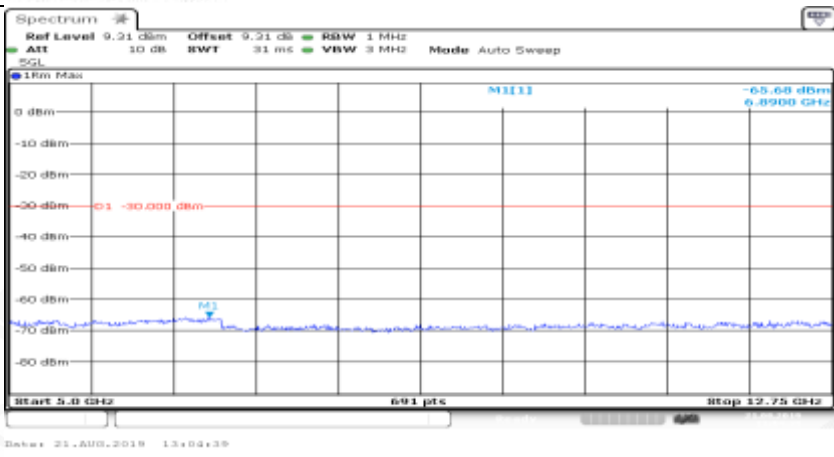


Co-existence	
Co-existence	
Co-existence	
Additional	NA

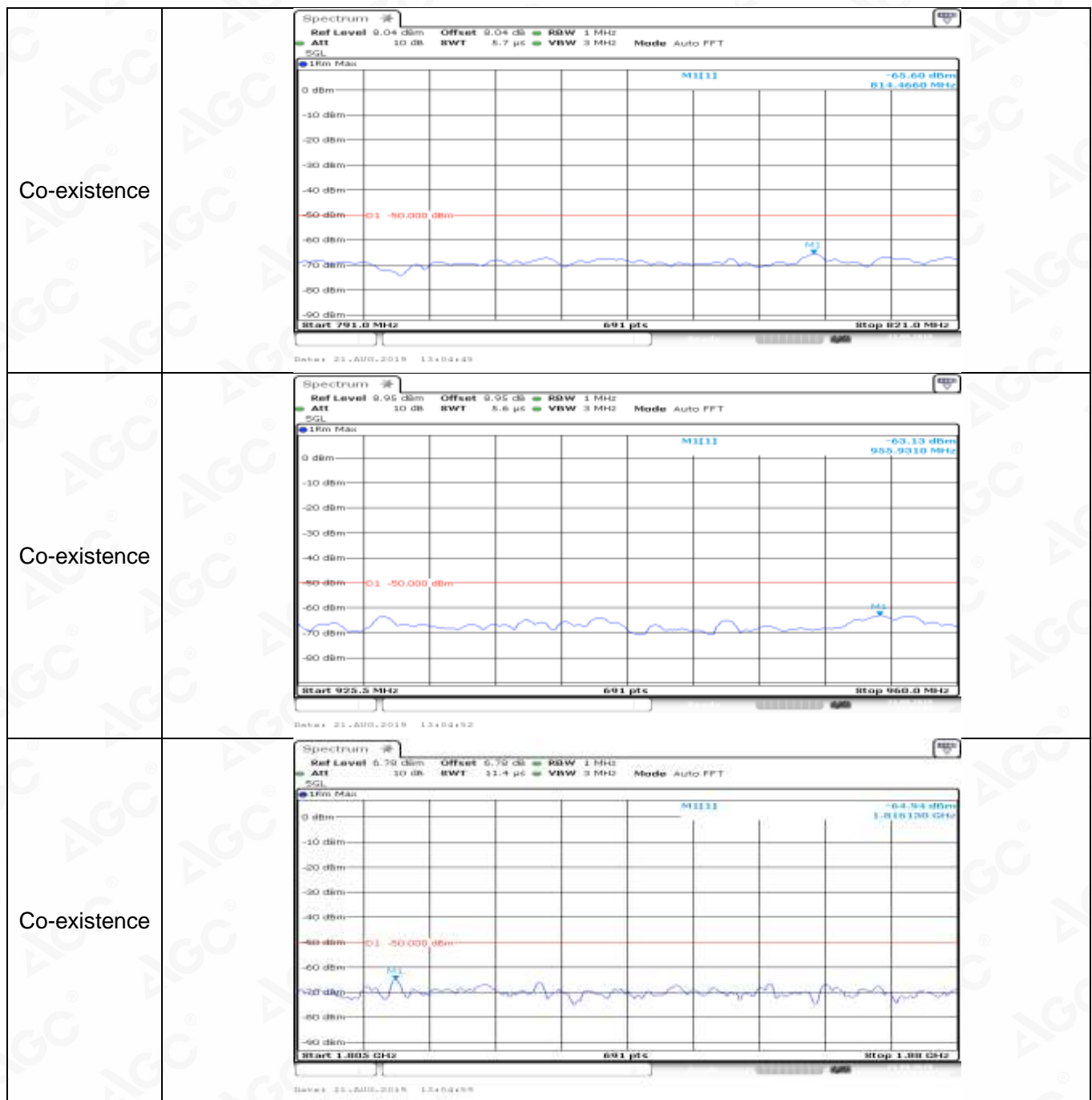
Channel Bandwidth= (5 MHz)\_QPSK\_HCH\_FullRB#0



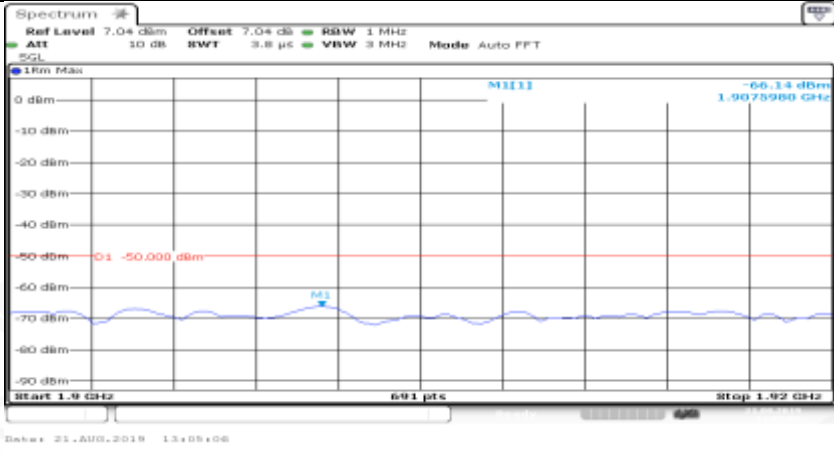
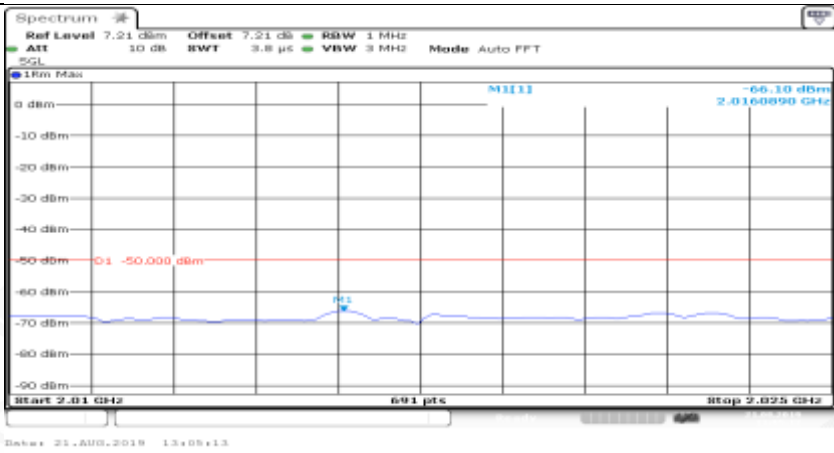
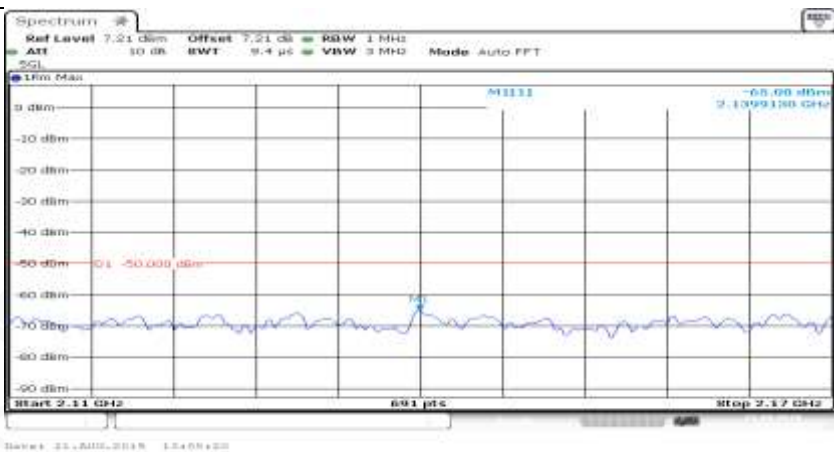
General	
General	
General	

General	
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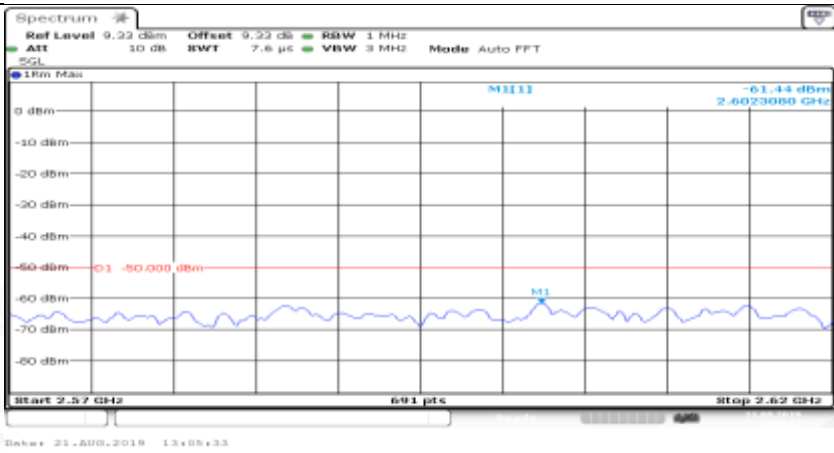





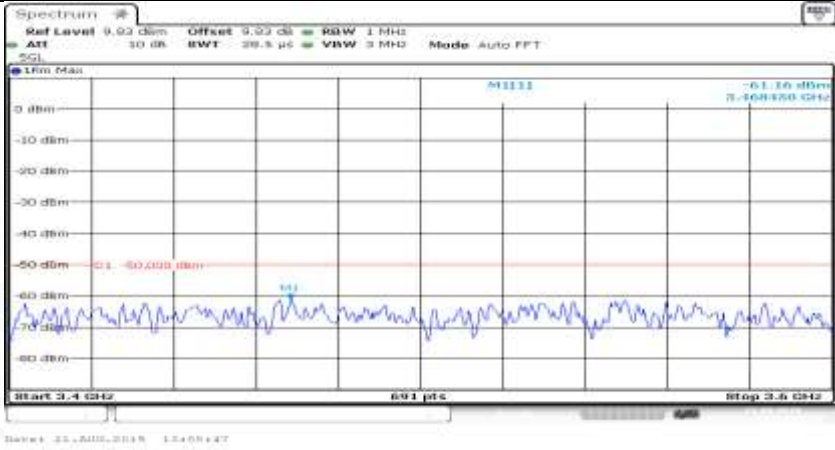
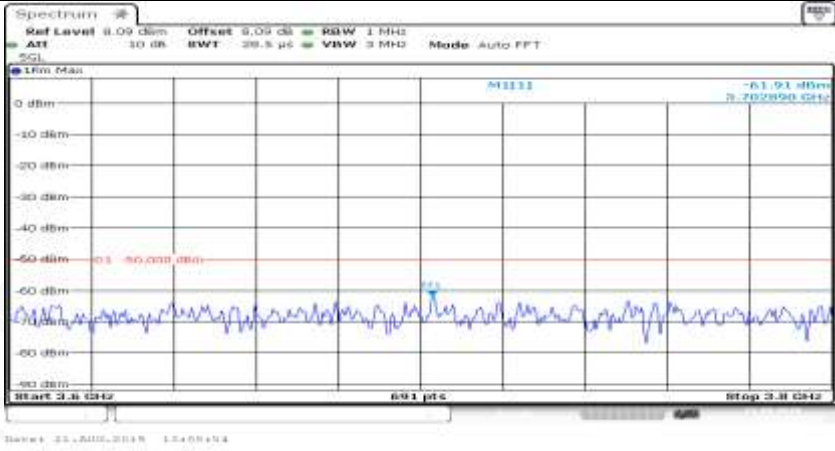


Co-existence	 <p>Spectrum plot showing power spectral density (dBm) versus frequency (GHz). The plot displays a noise floor around -70 dBm with a small peak at 1.9078980 GHz reaching -66.14 dBm. A red line indicates the -50.000 dBm limit.</p>
Co-existence	 <p>Spectrum plot showing power spectral density (dBm) versus frequency (GHz). The plot displays a noise floor around -70 dBm with a small peak at 2.0160890 GHz reaching -66.10 dBm. A red line indicates the -50.000 dBm limit.</p>
Co-existence	 <p>Spectrum plot showing power spectral density (dBm) versus frequency (GHz). The plot displays a noise floor around -70 dBm with a small peak at 2.1099180 GHz reaching -66.00 dBm. A red line indicates the -50.000 dBm limit.</p>



Co-existence	
Co-existence	
Co-existence	

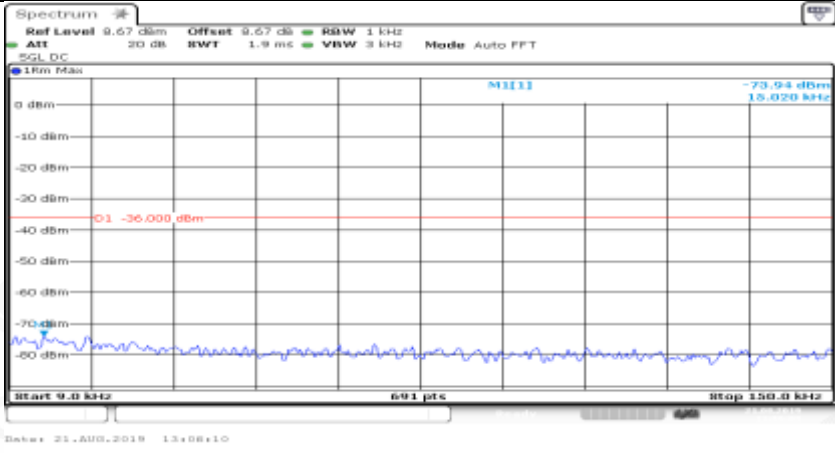
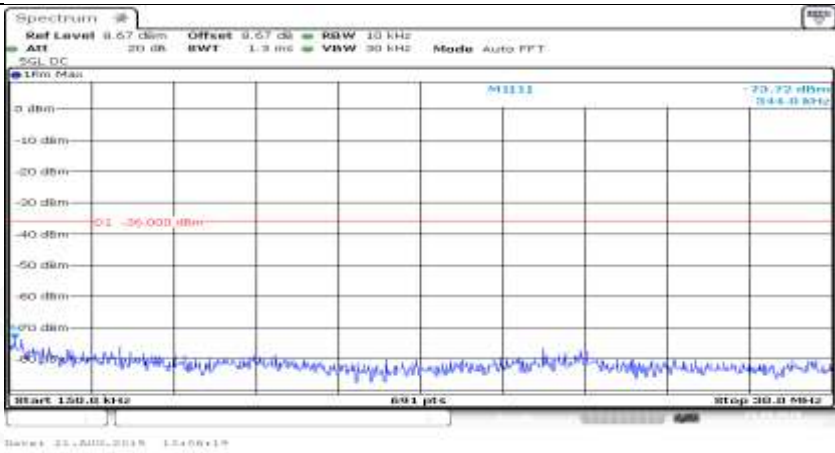
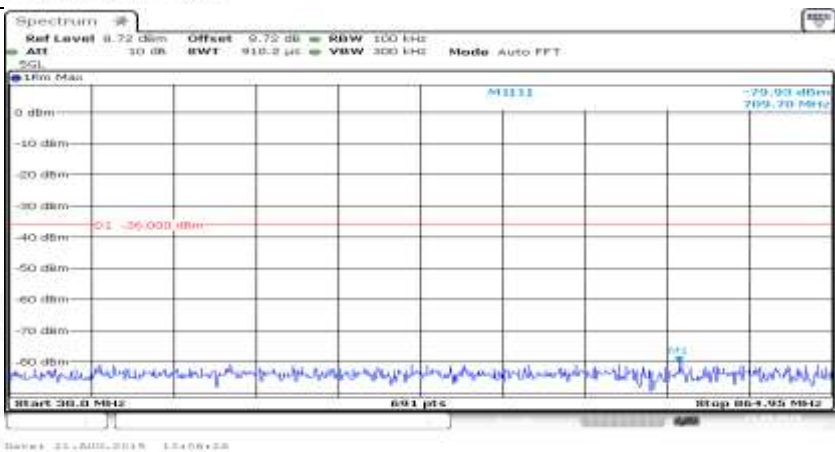


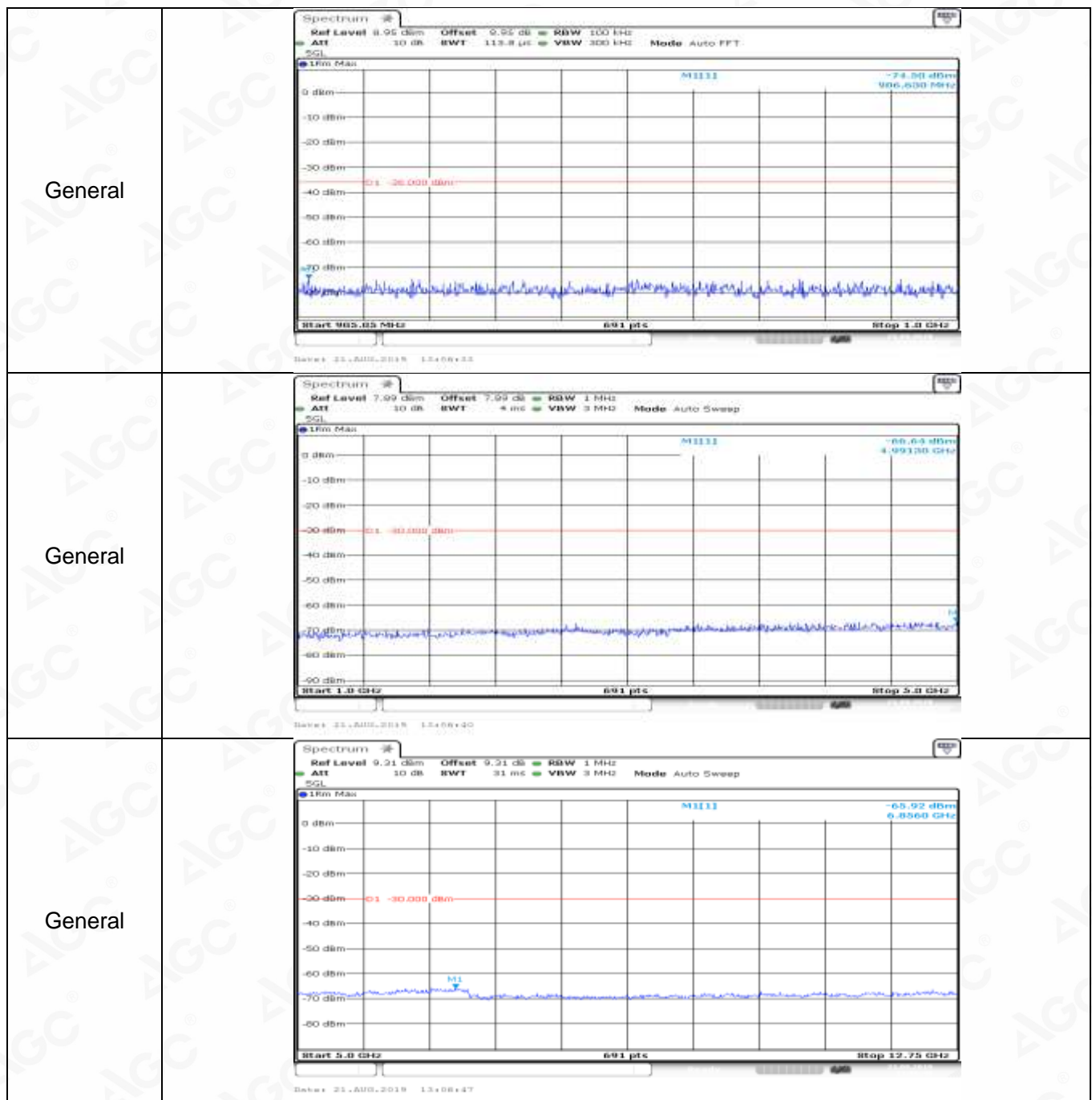
Co-existence	
Co-existence	
Additional	NA

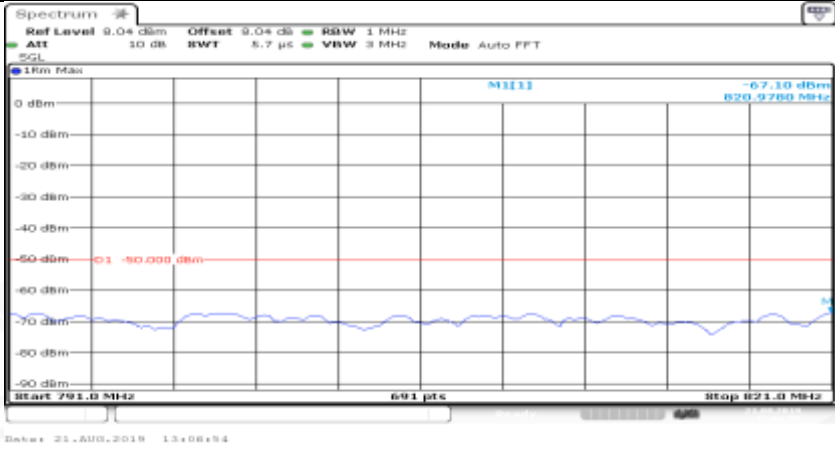
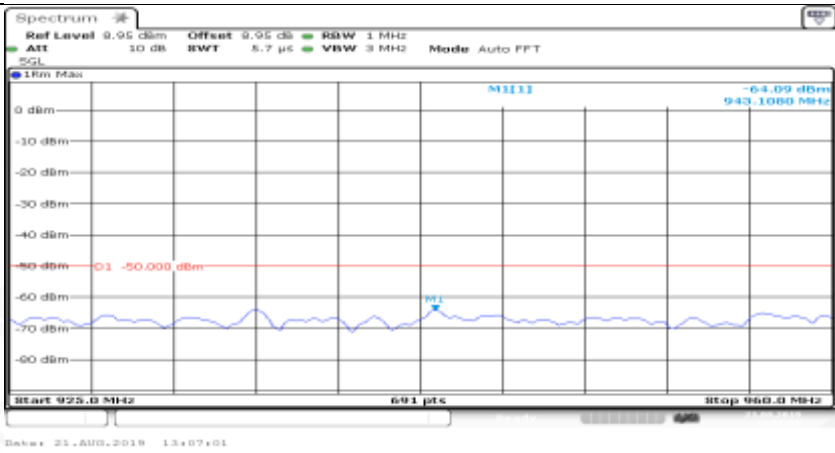
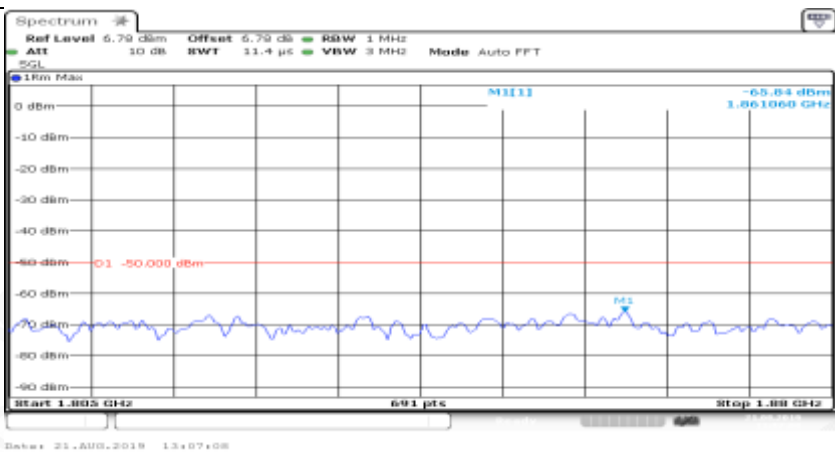
Channel Bandwidth= (10 MHz)

Channel Bandwidth=Highest (10 MHz)\_QPSK\_LCH\_1RB#0

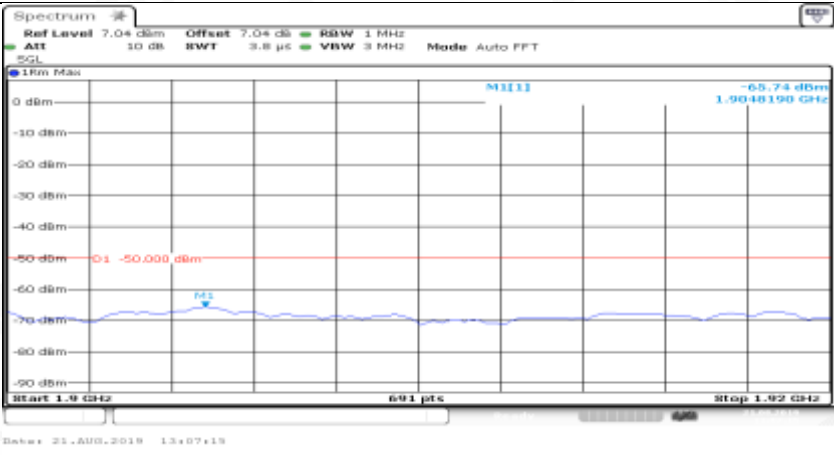
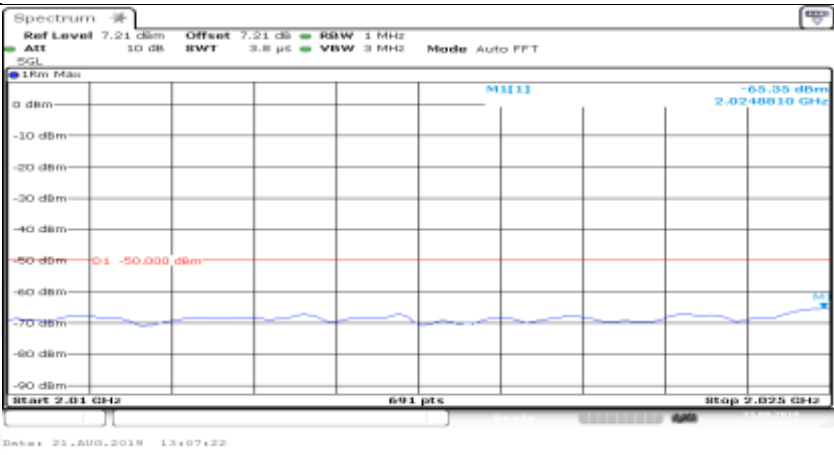
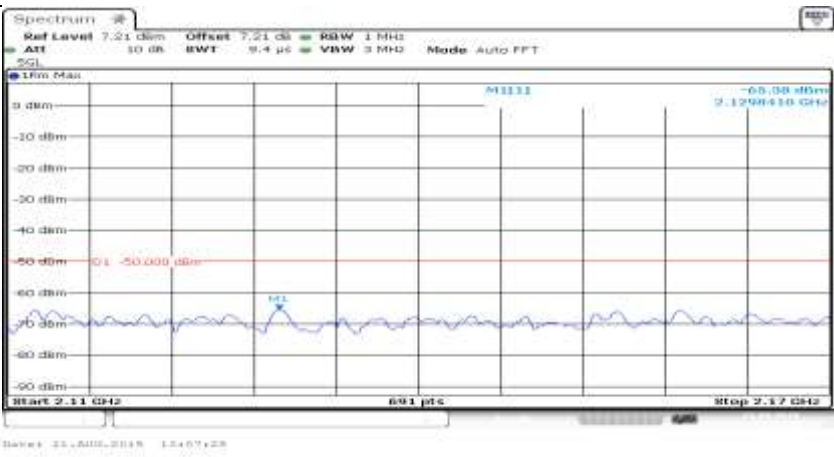


General	
General	
General	

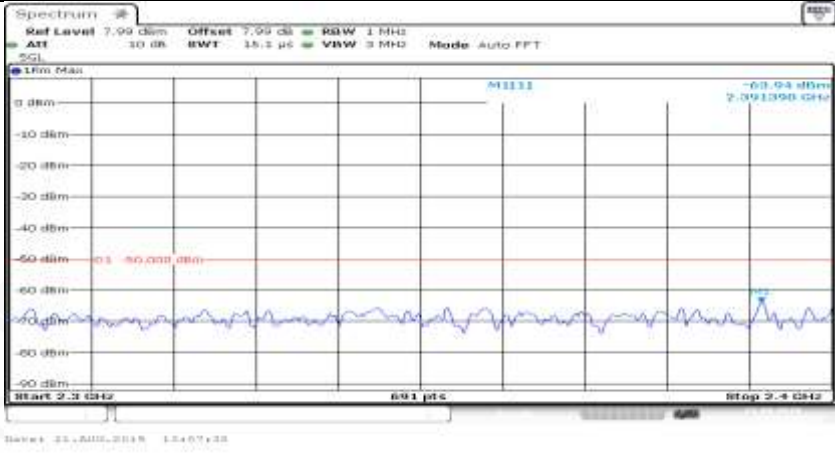
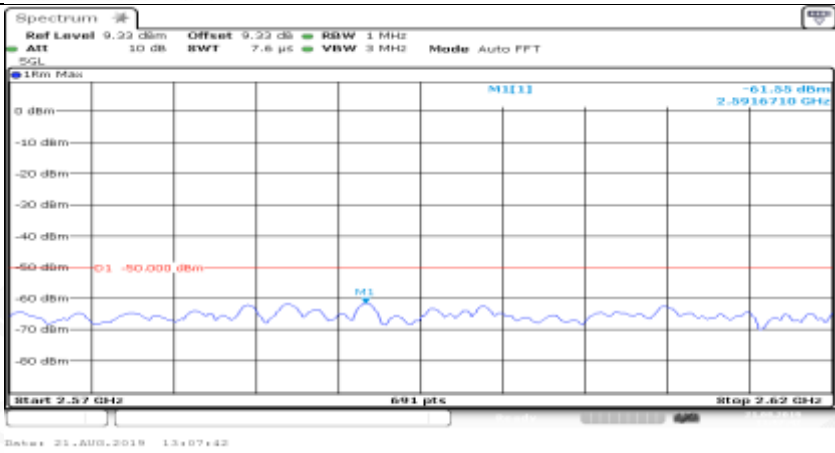
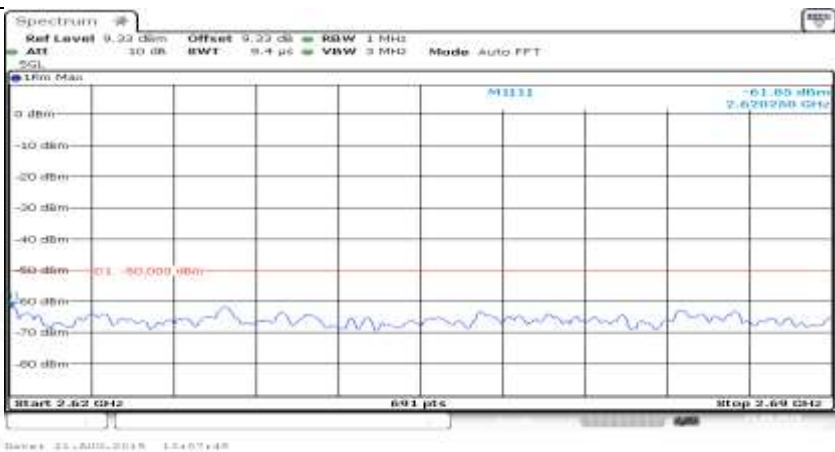


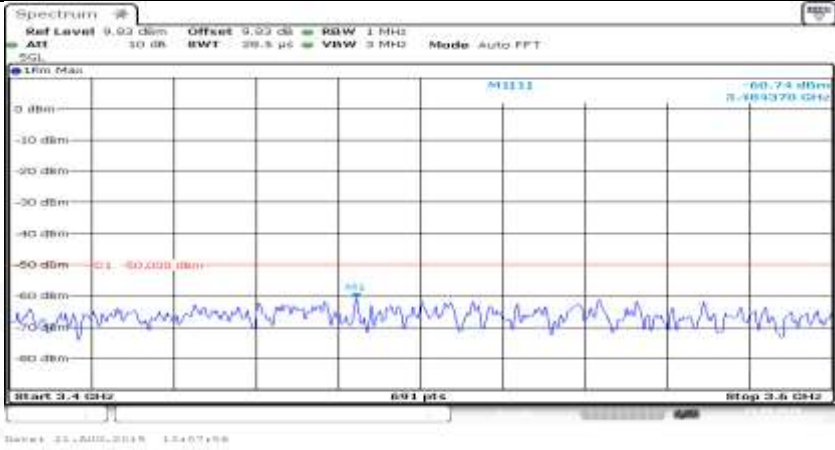
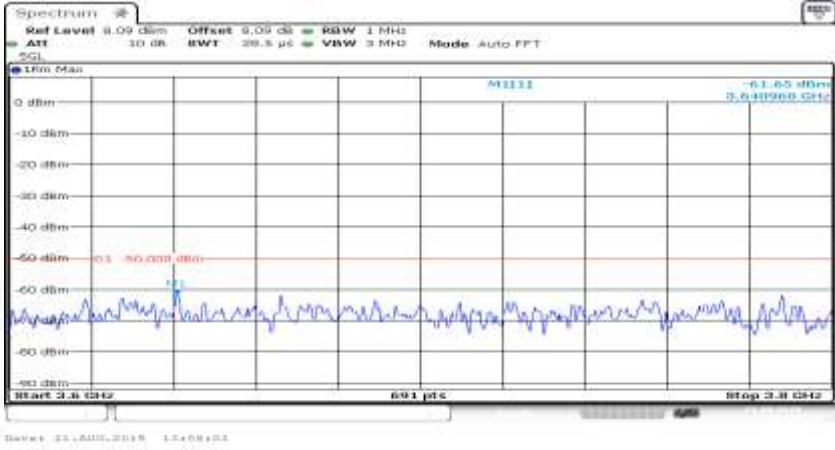
Co-existence	
Co-existence	
Co-existence	

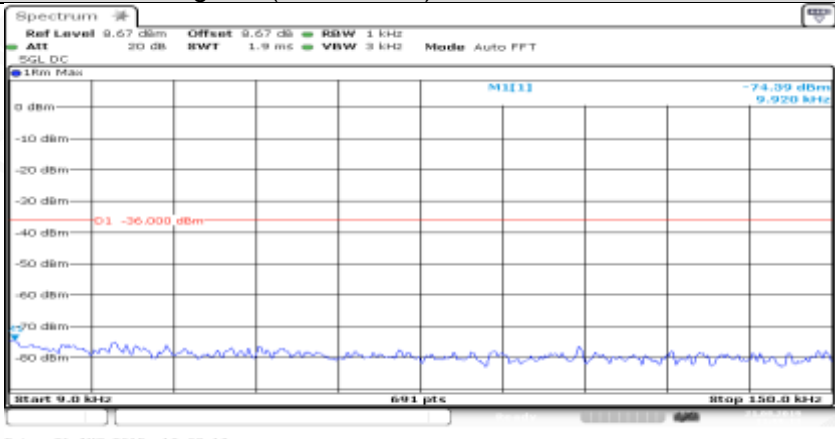


Co-existence	
Co-existence	
Co-existence	

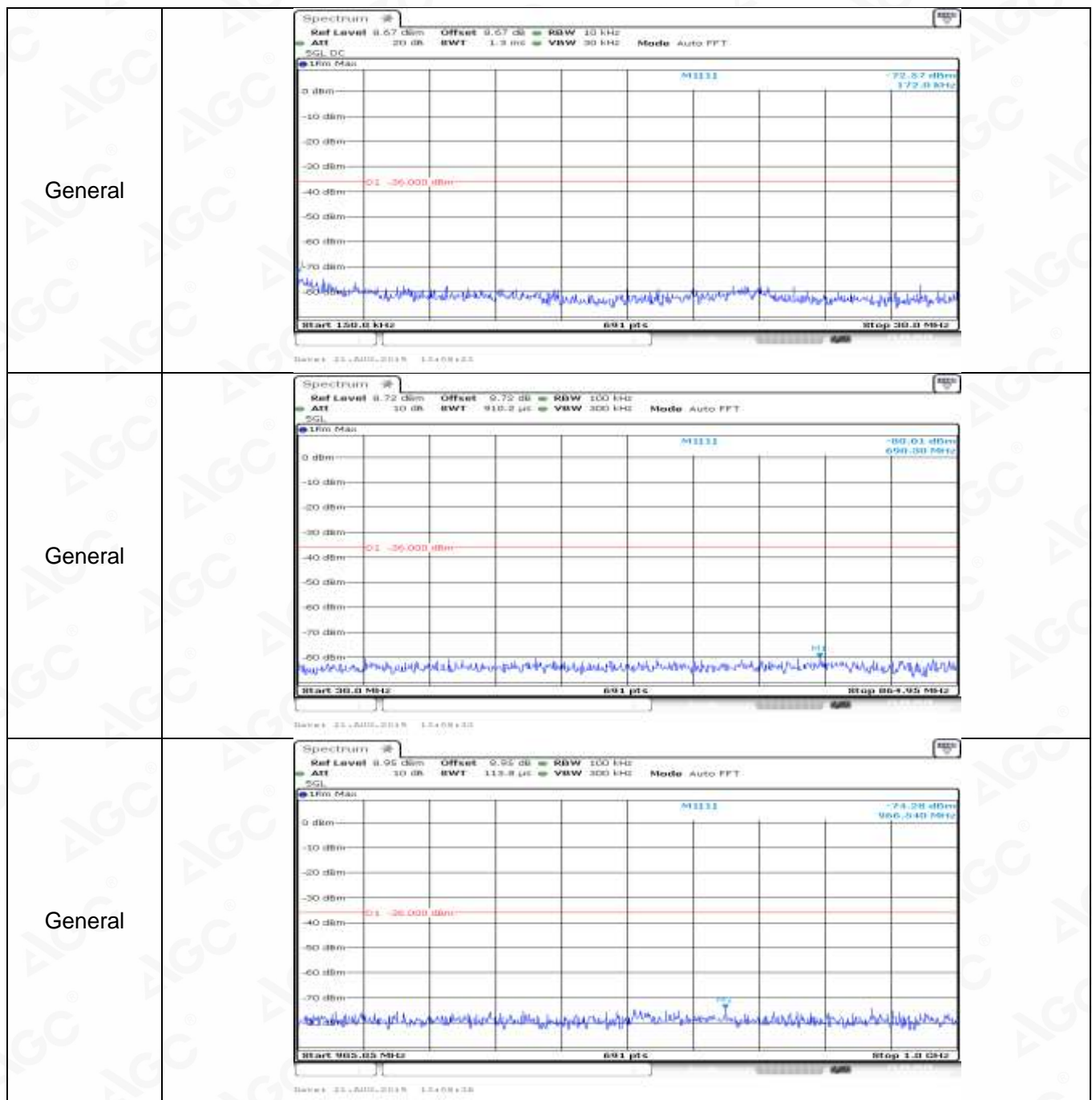


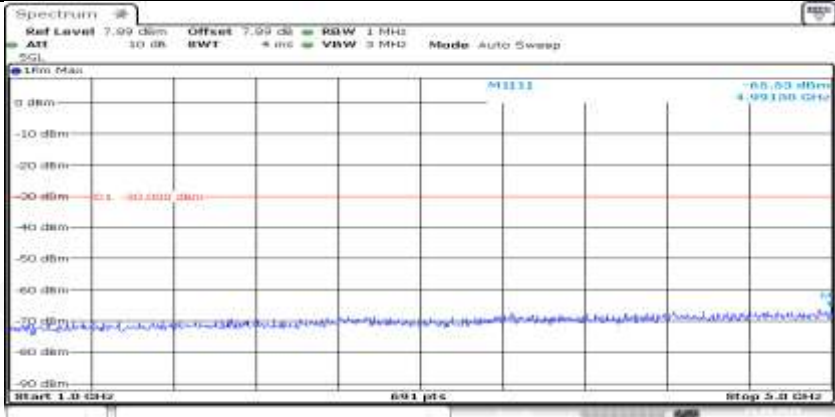
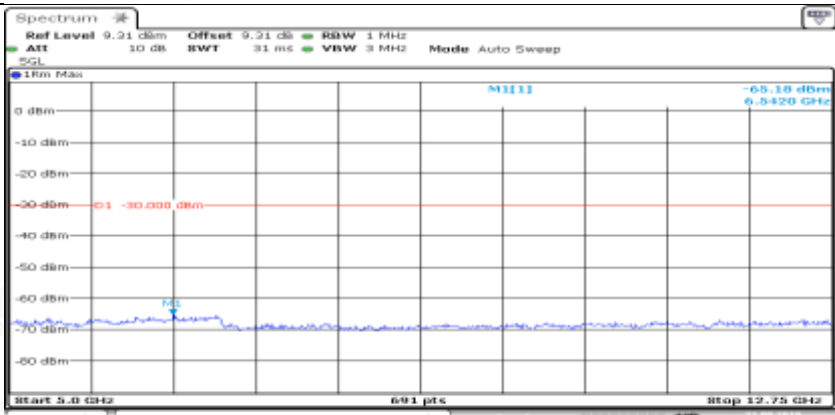
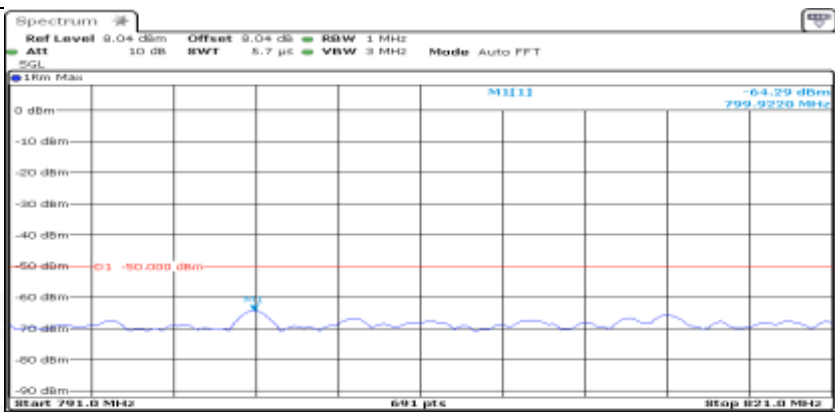
Co-existence	
Co-existence	
Co-existence	

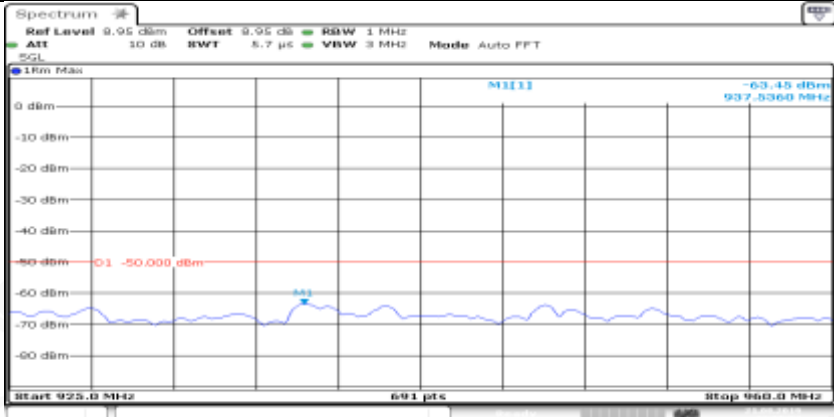
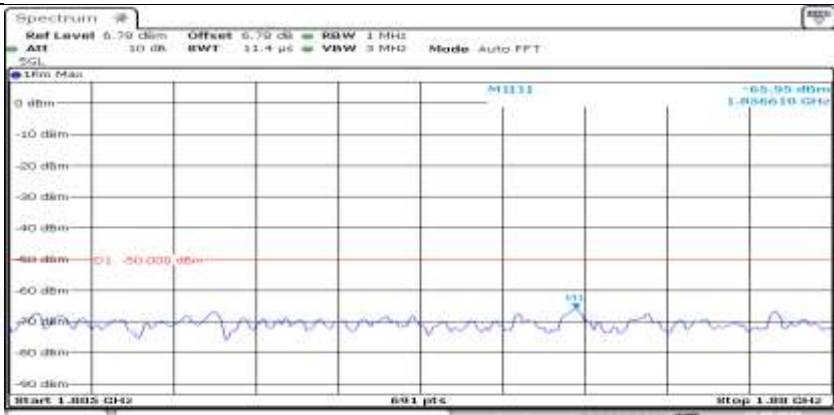
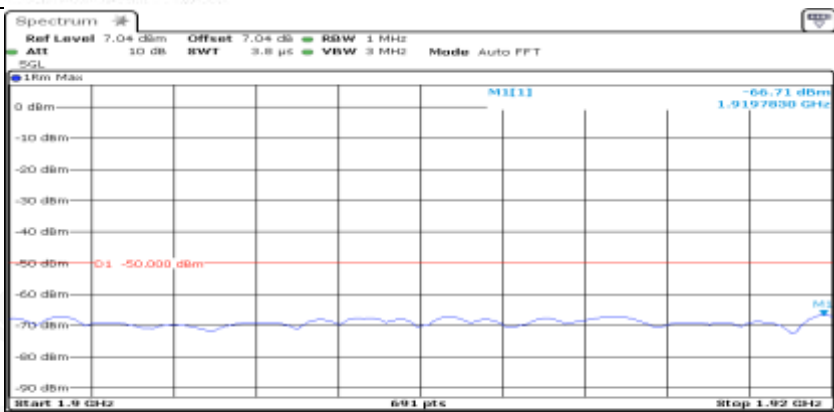
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	



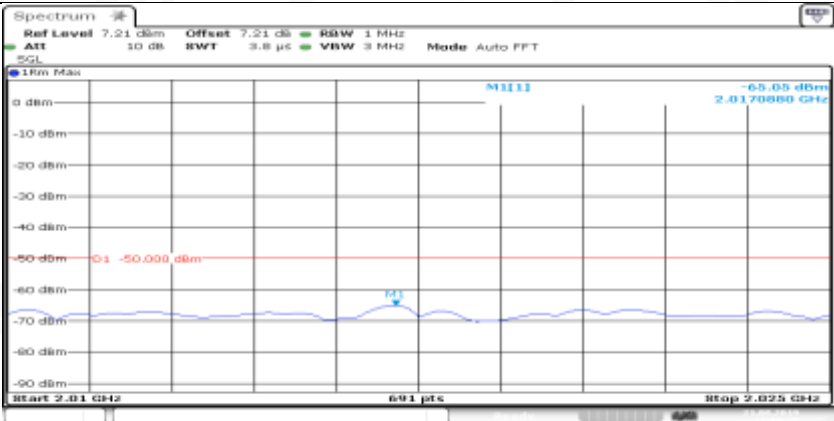

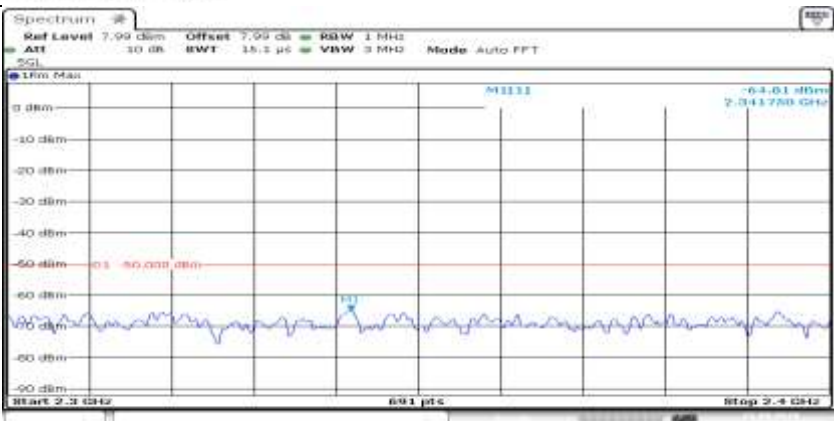


General	
General	
Co-existence	

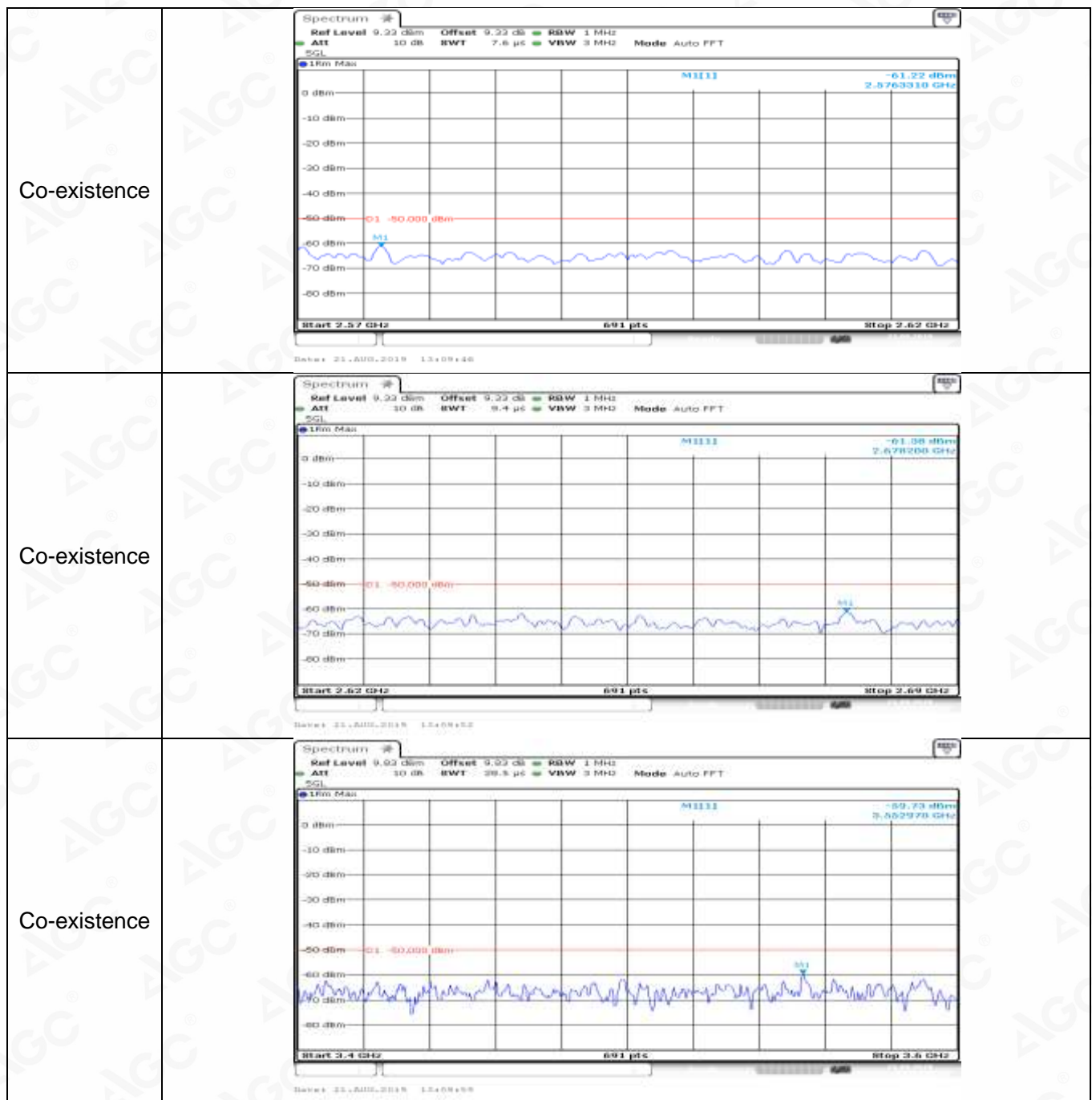
Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Date: 21.AUG.2018 13:09:04</p>
Co-existence	 <p>Start 1.005 GHz Stop 1.100 GHz</p> <p>Date: 21.AUG.2018 13:09:11</p>
Co-existence	 <p>Start 1.9 GHz Stop 1.92 GHz</p> <p>Date: 21.AUG.2018 13:09:18</p>

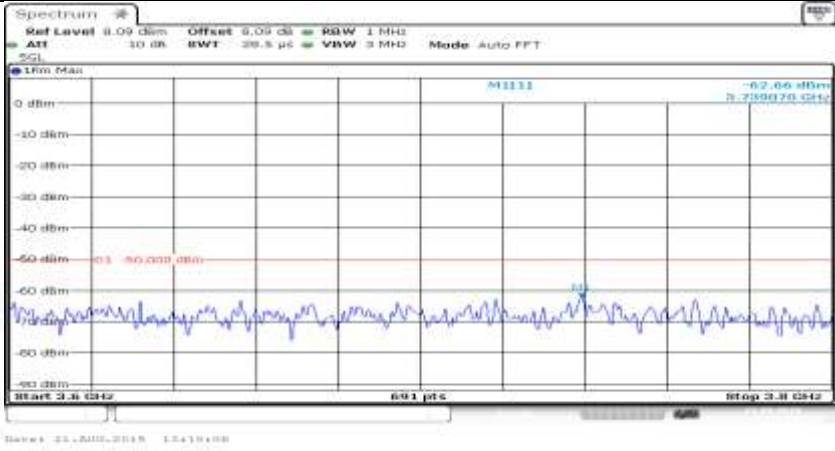


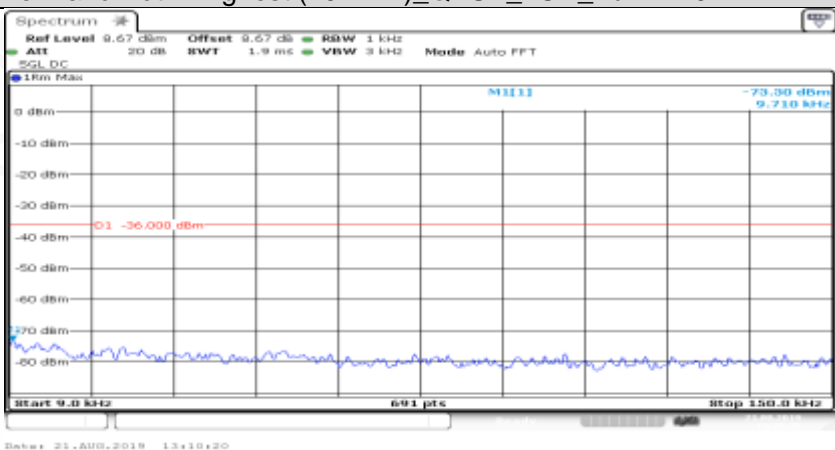
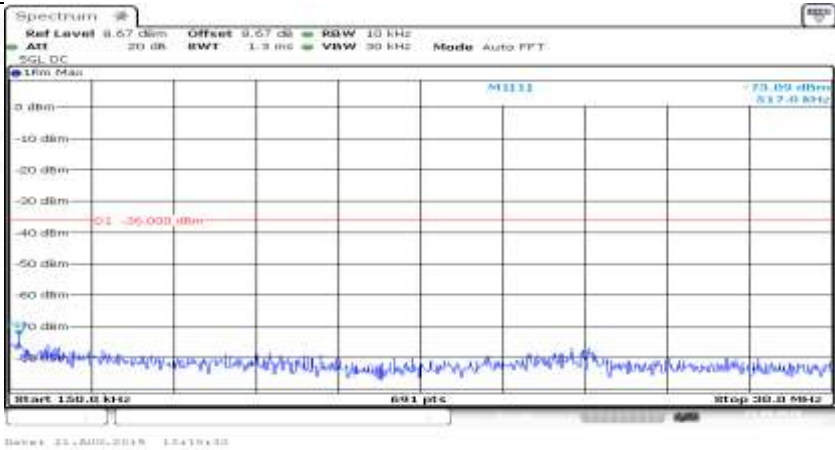


Co-existence	
Co-existence	
Co-existence	


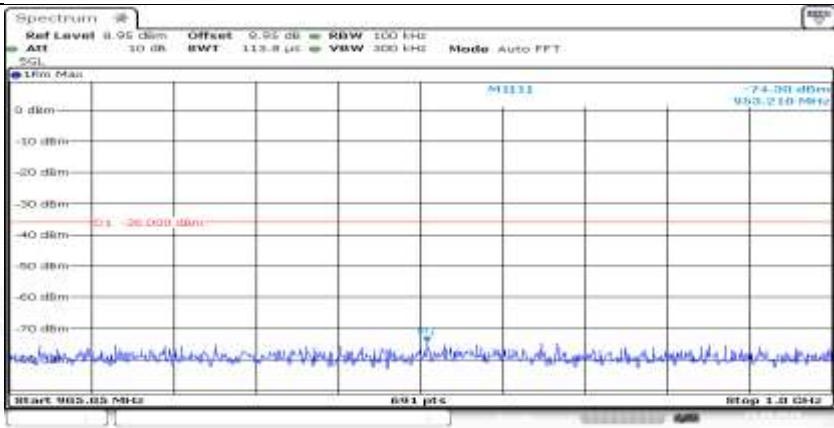
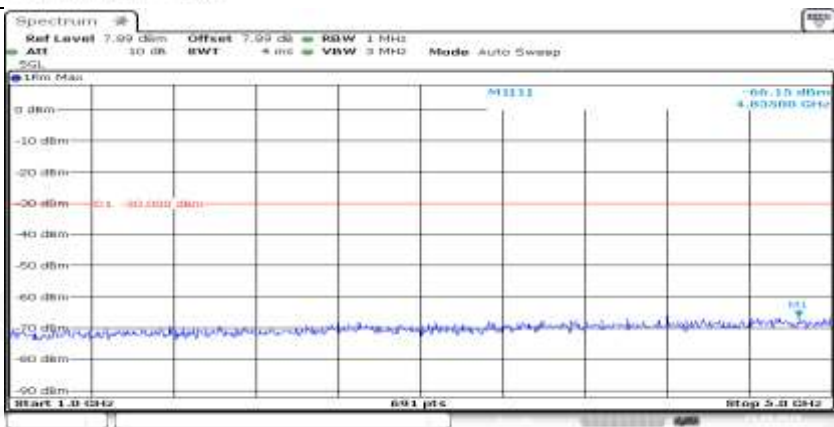




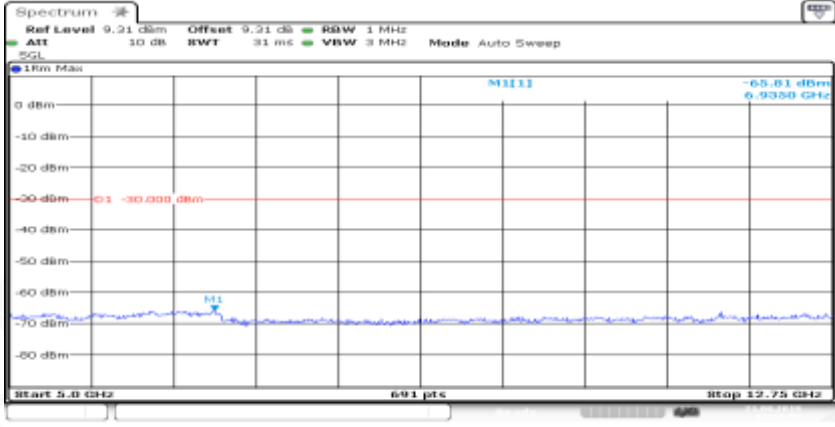


Co-existence	
Additional	NA

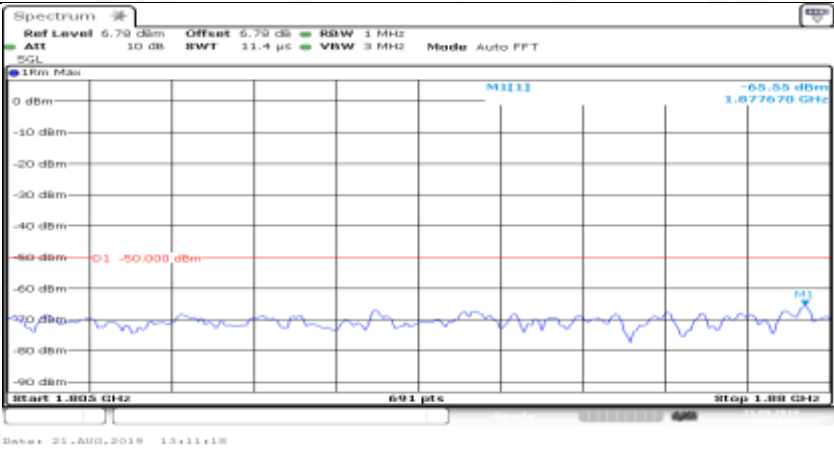
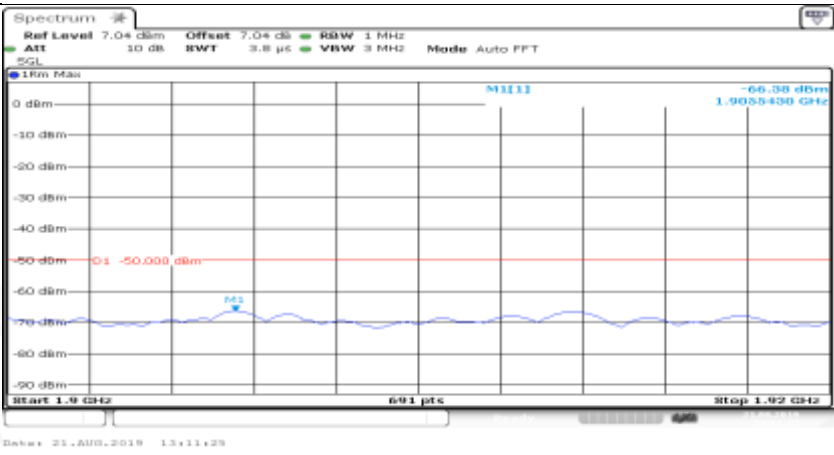
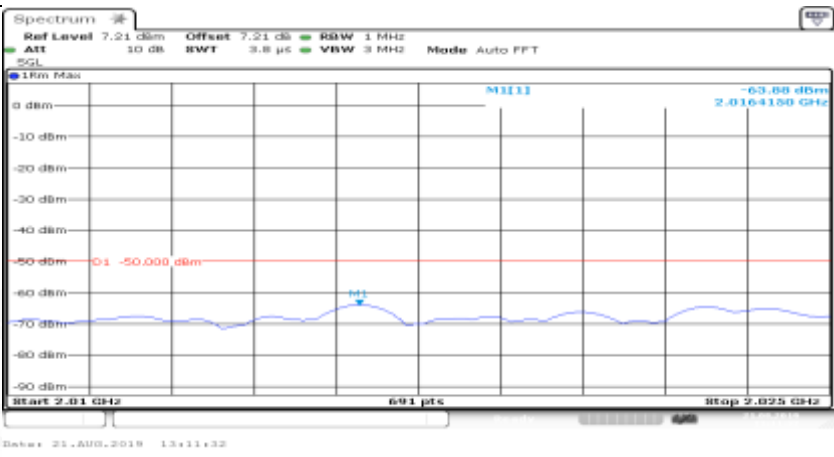
Channel Bandwidth=Highest (10 MHz)_QPSK_LCH_FullRB#0	
General	
General	



General	
General	
General	

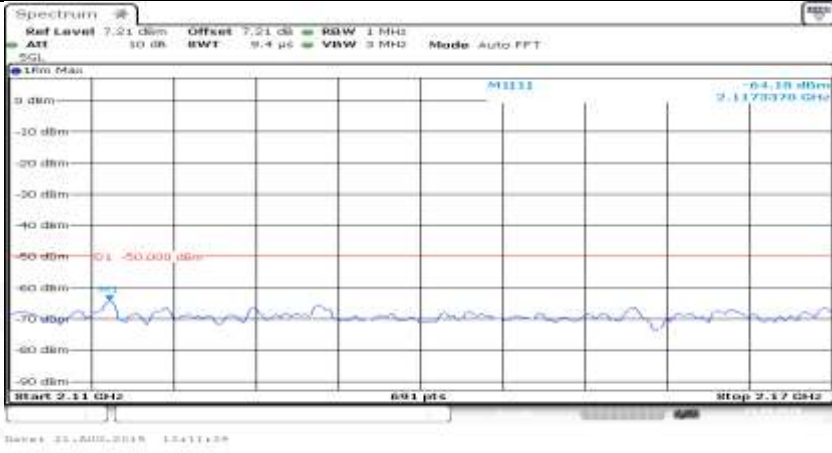

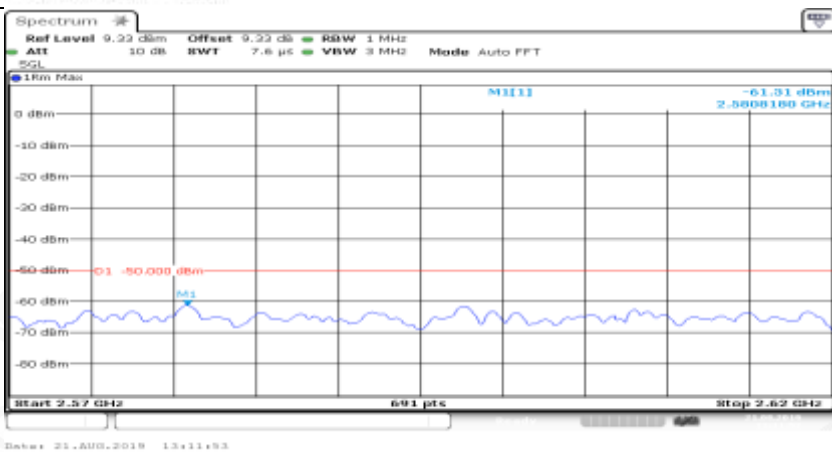


General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>M111 -65.61 dBm 6.9350 GHz</p> <p>-50.000 dBm</p> <p>Start 5.0 GHz 691 pts Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 13:10:58</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -65.16 dBm 798.2220 MHz</p> <p>-50.000 dBm</p> <p>Start 791.0 MHz 691 pts Stop 821.0 MHz</p> <p>Date: 21.AUG.2019 13:11:09</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -63.41 dBm 939.6130 MHz</p> <p>-50.000 dBm</p> <p>Start 925.0 MHz 691 pts Stop 960.0 MHz</p> <p>Date: 21.AUG.2019 13:11:11</p>


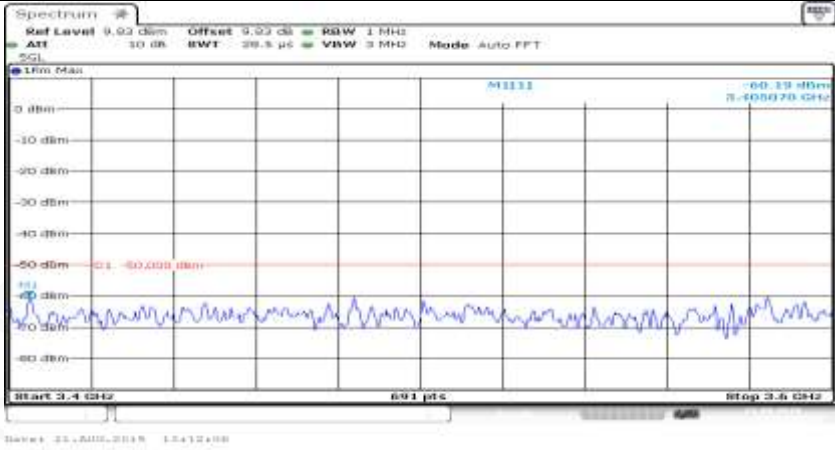
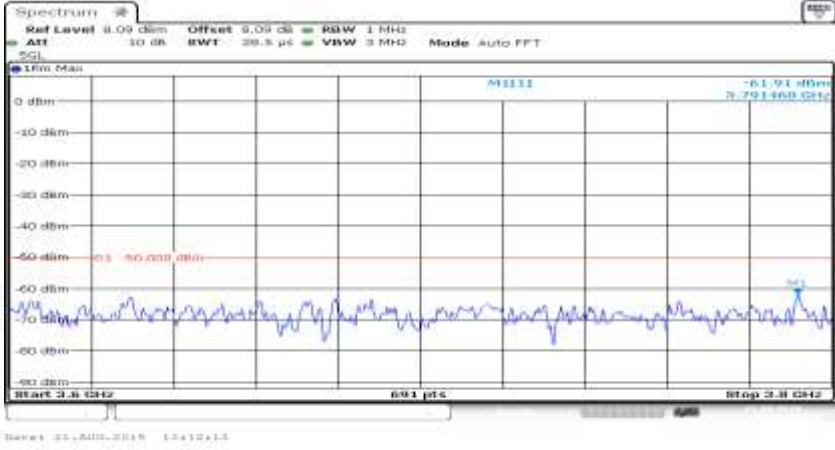
Co-existence	
Co-existence	
Co-existence	



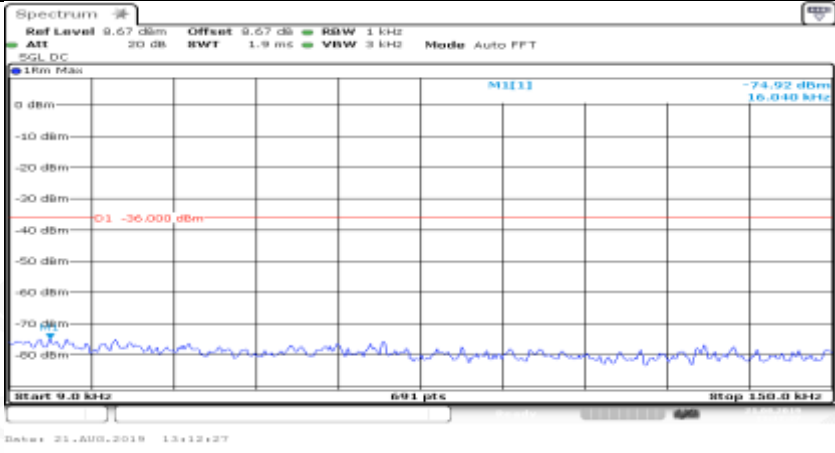
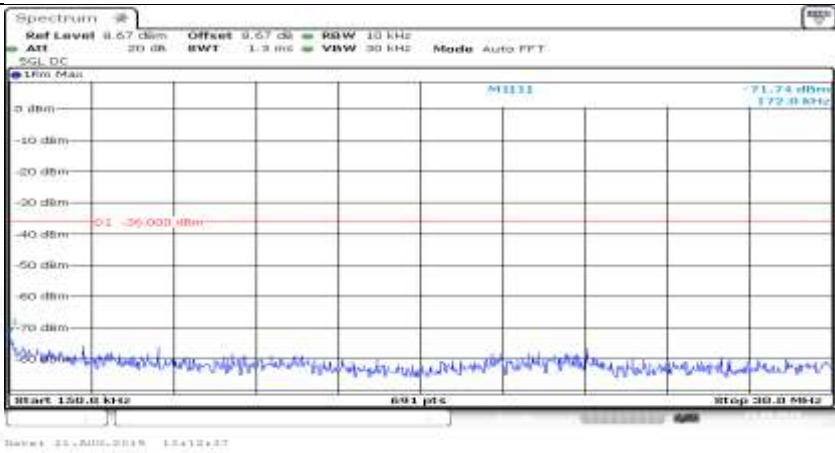



Co-existence	
Co-existence	
Co-existence	

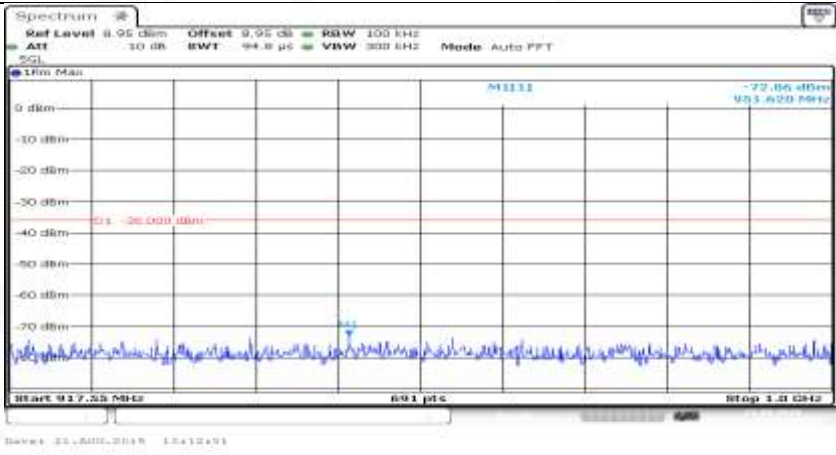
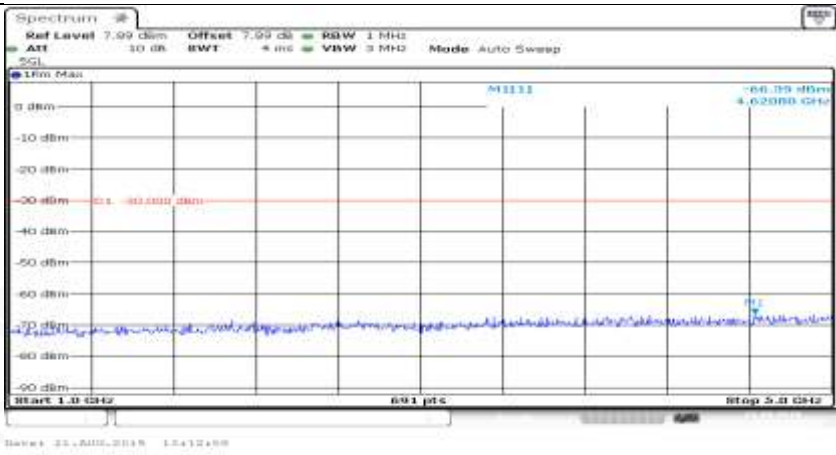
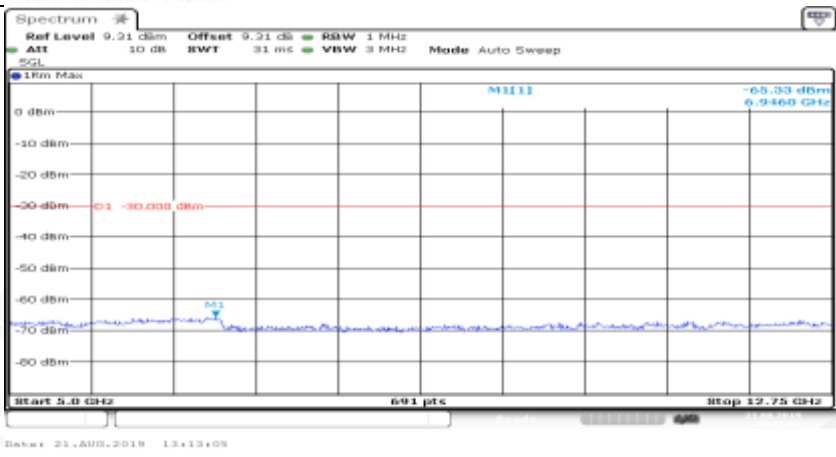


Co-existence	
Co-existence	
Co-existence	
Additional	NA

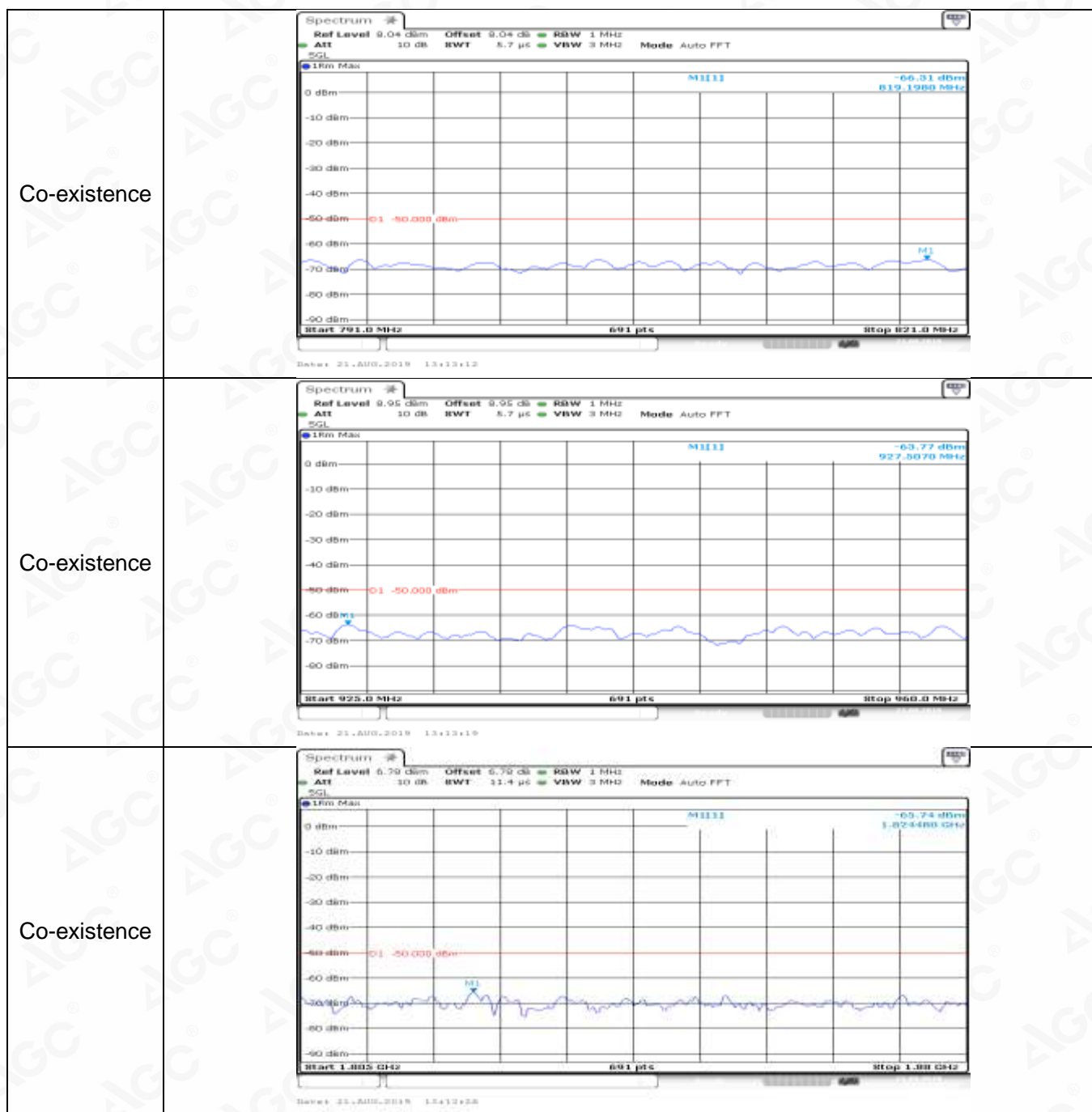
Channel Bandwidth=Highest (10 MHz)\_QPSK\_MCH\_1RB#0

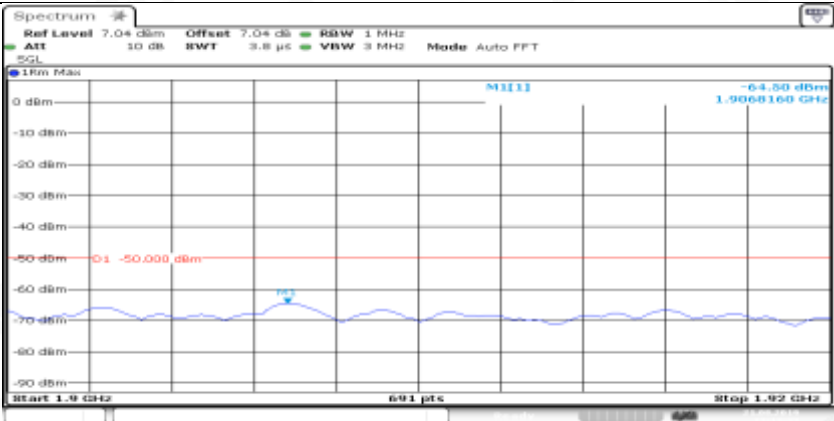
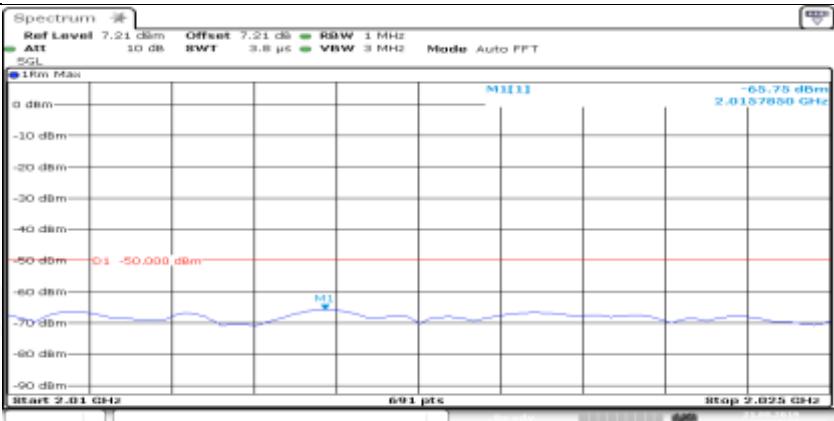

General	
General	
General	



General	
General	
General	


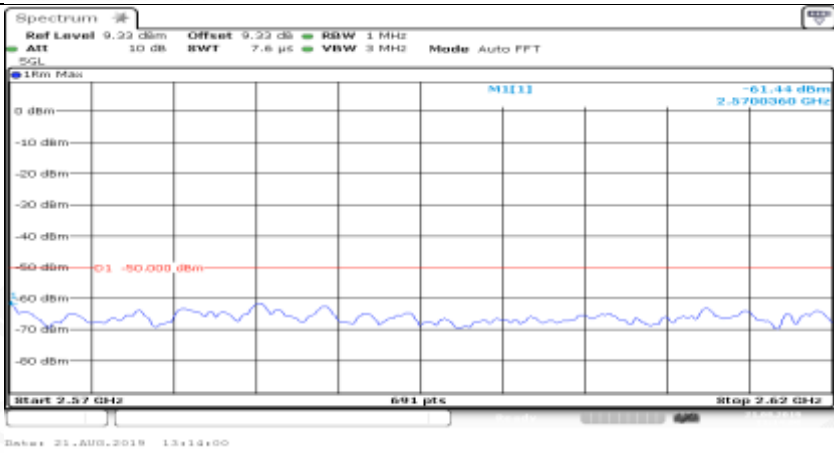
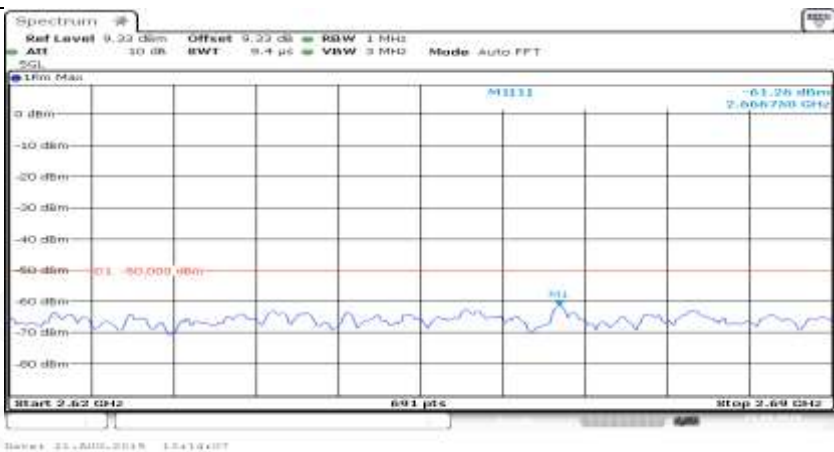




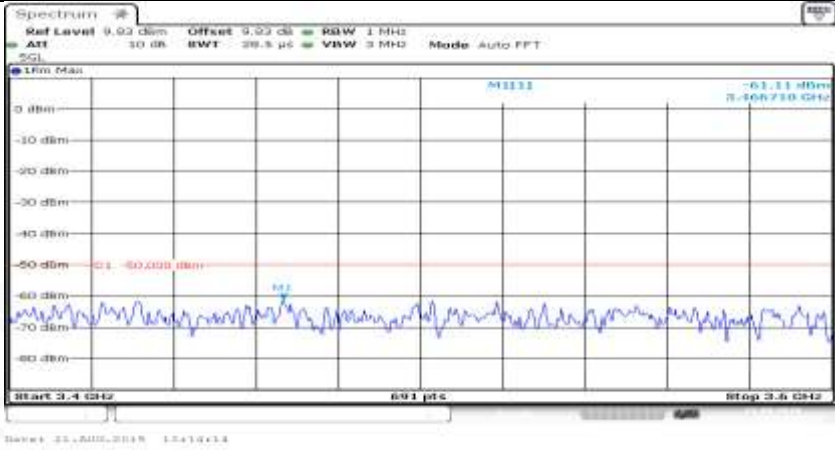
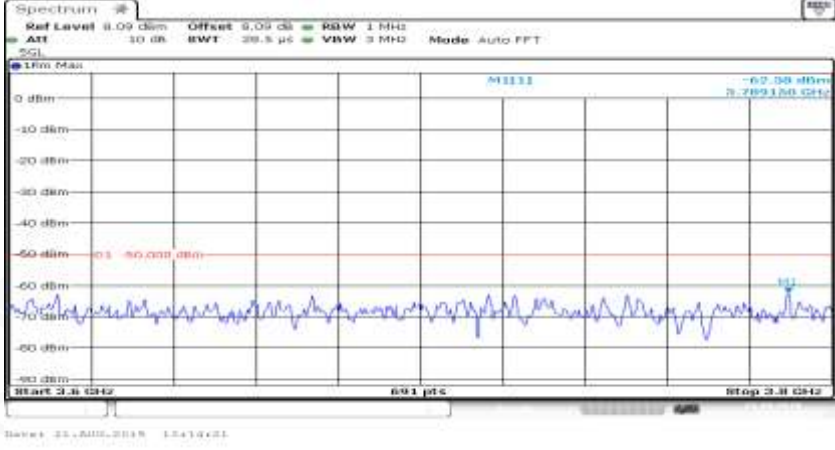
Co-existence	
Co-existence	
Co-existence	

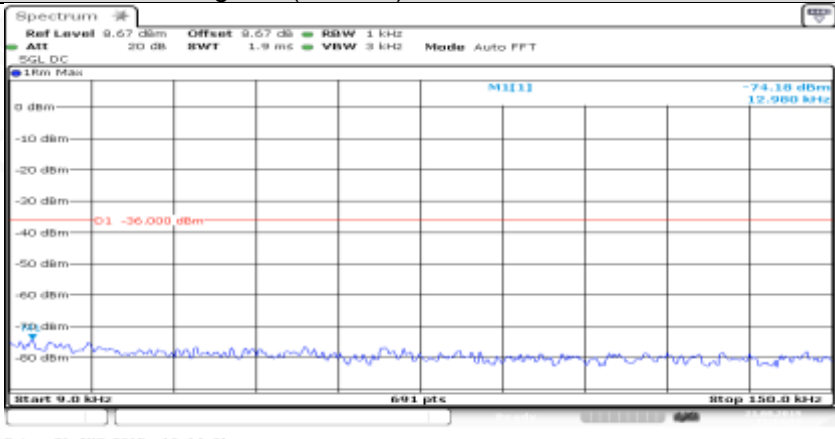


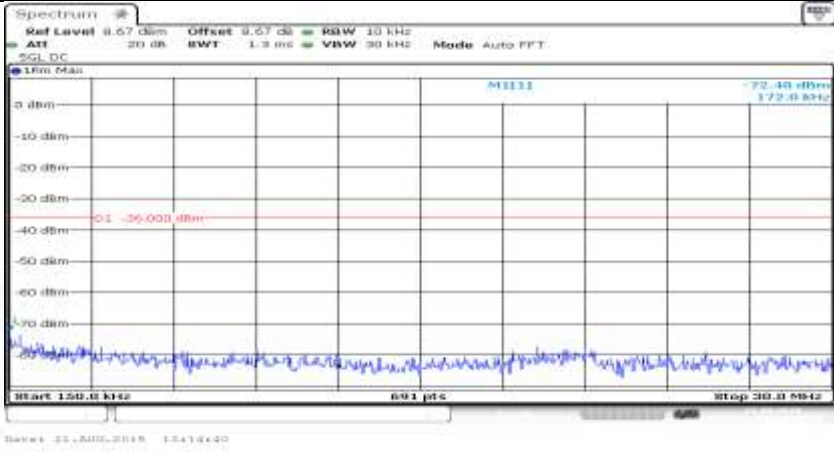
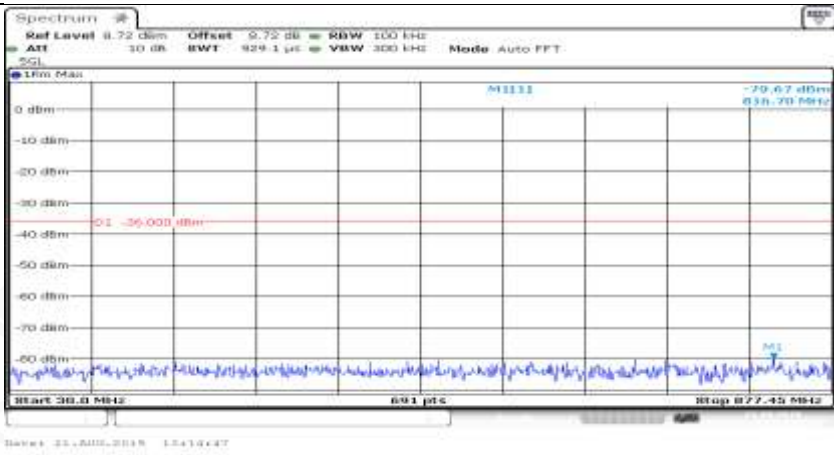
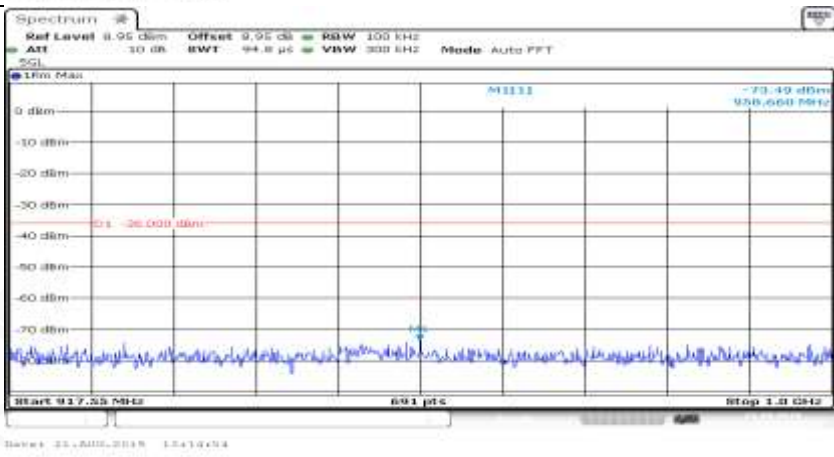


Co-existence	
Co-existence	
Co-existence	



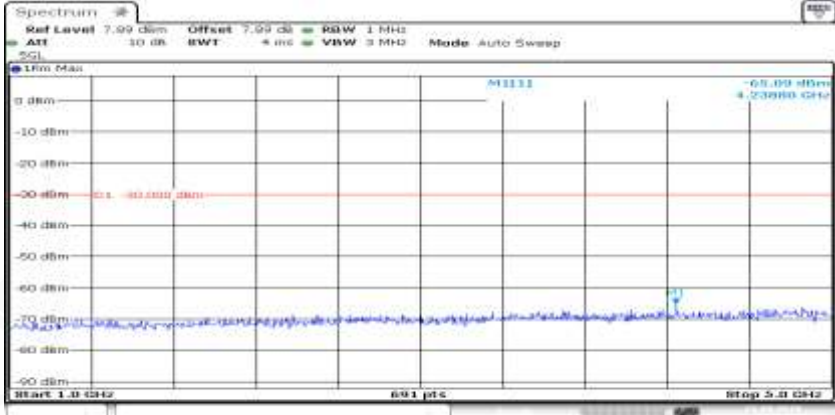
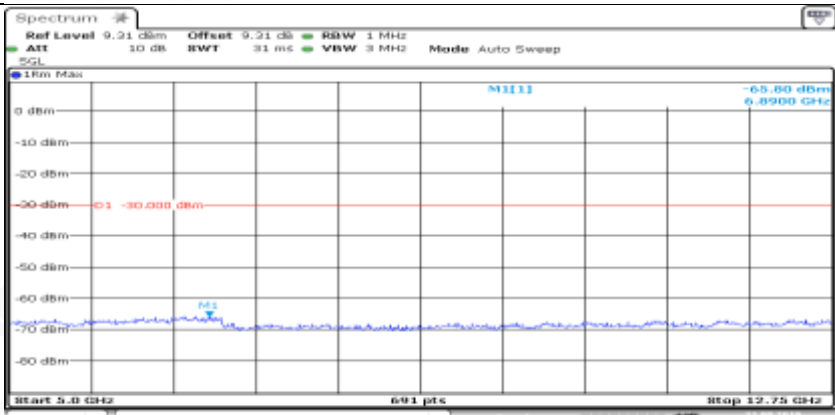
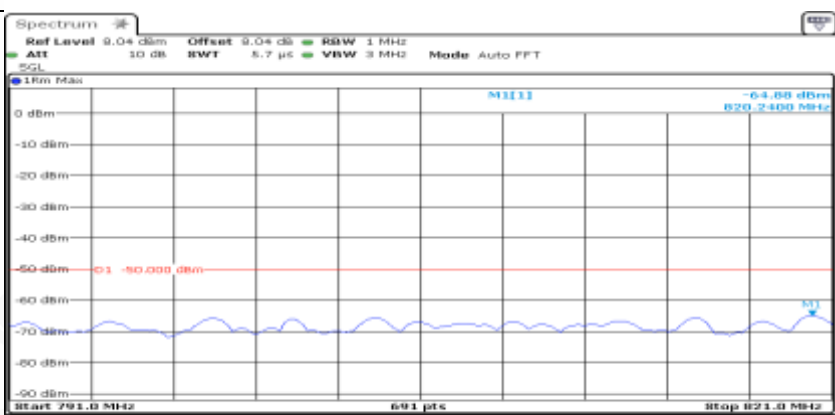
Co-existence	
Co-existence	
Additional	NA

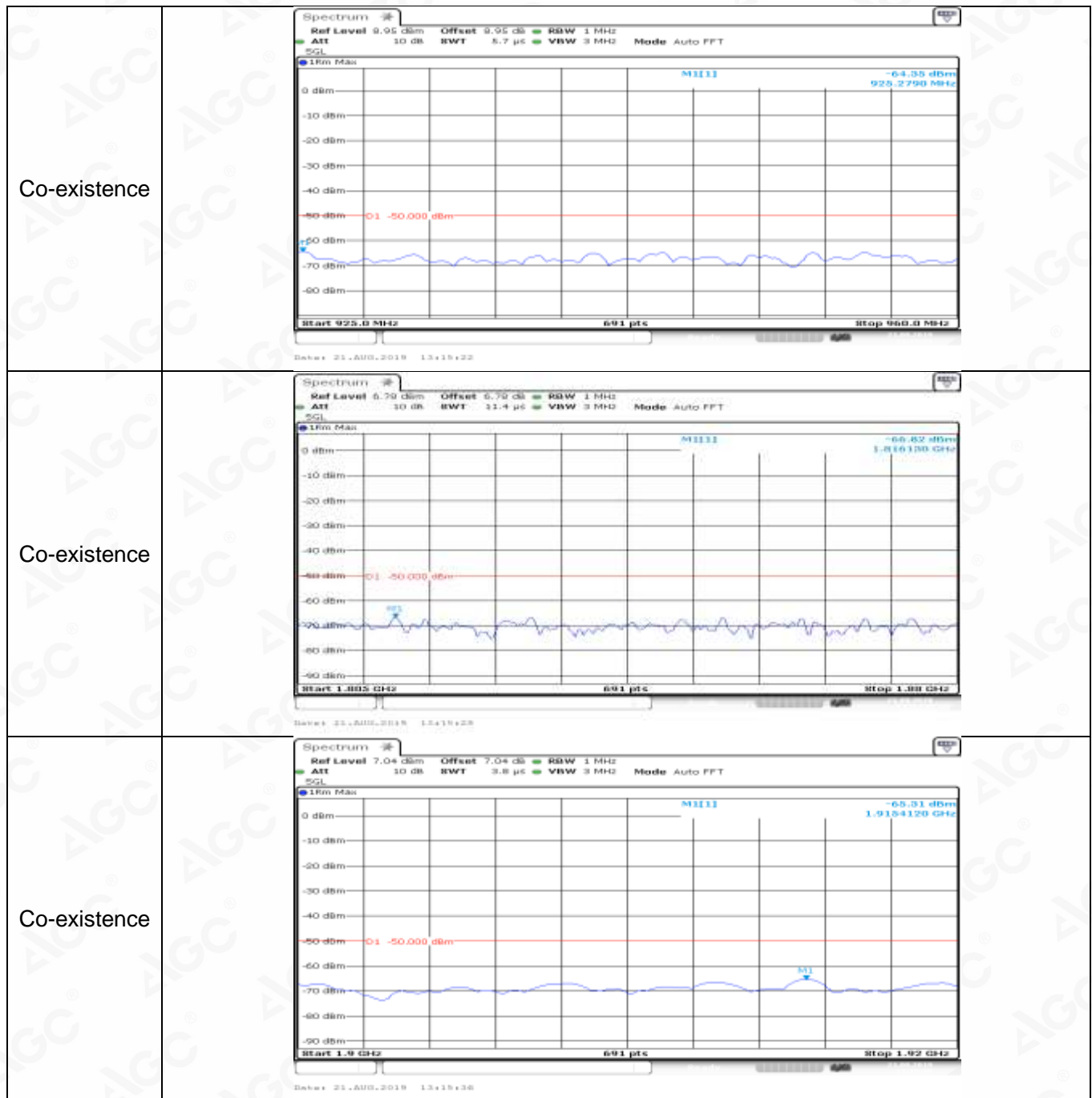
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_1RB#max	
General	

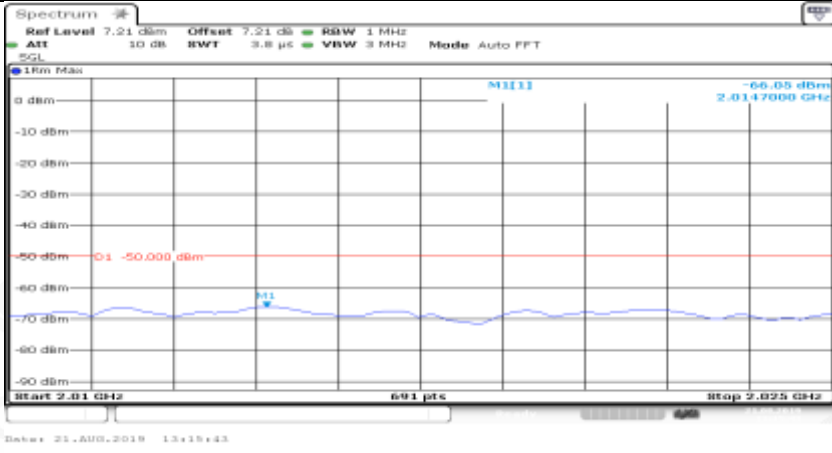

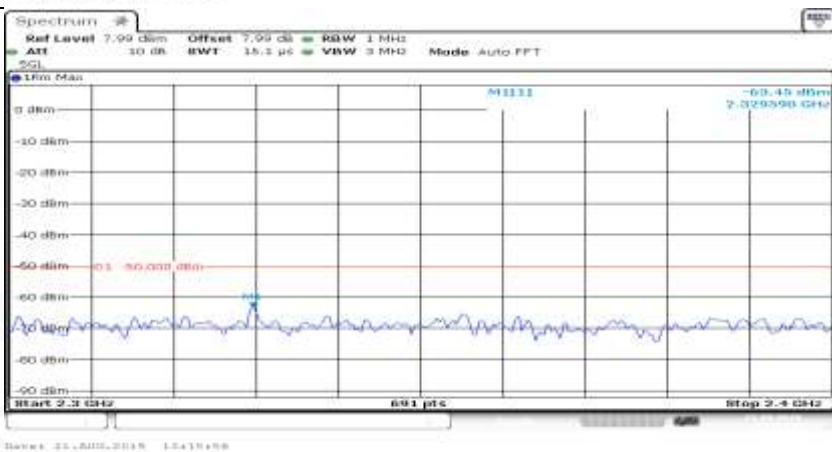
General	
General	
General	





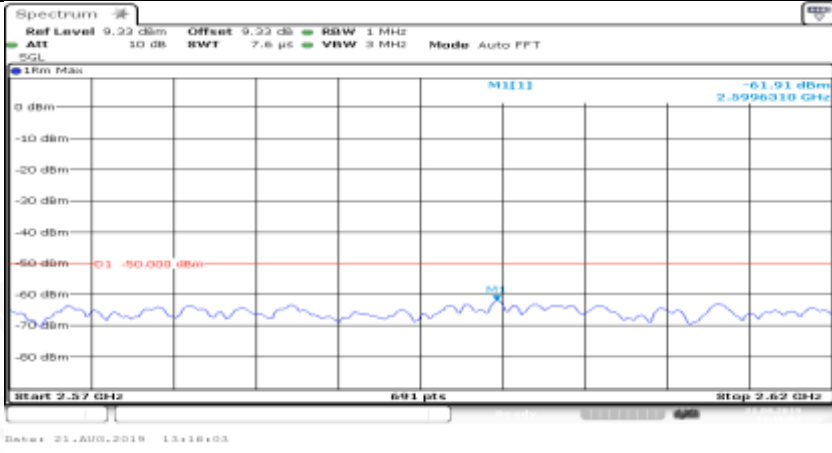

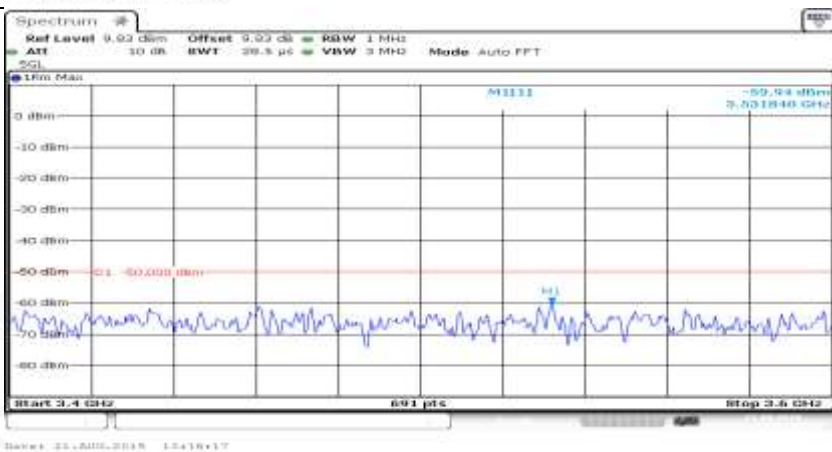
General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	





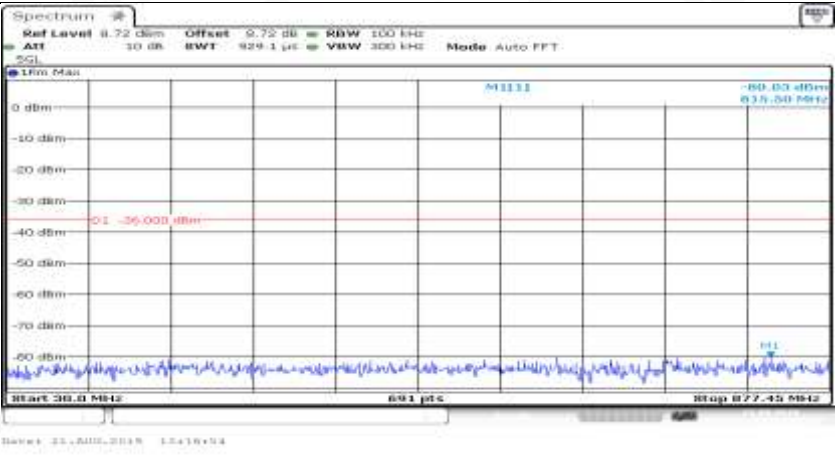
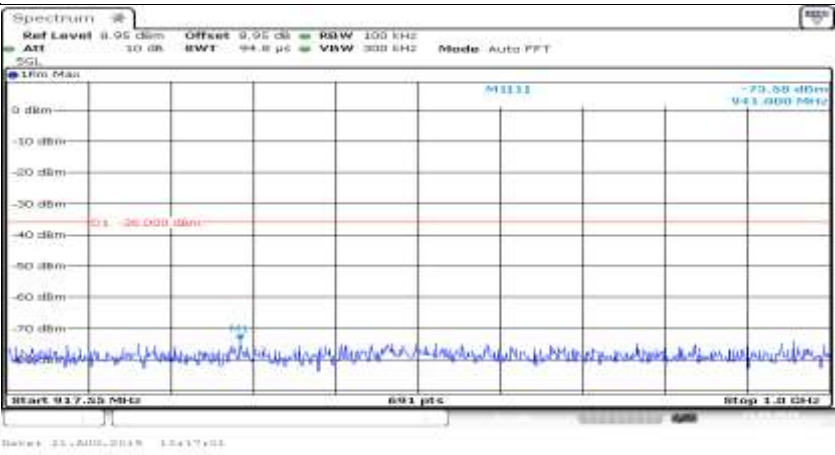
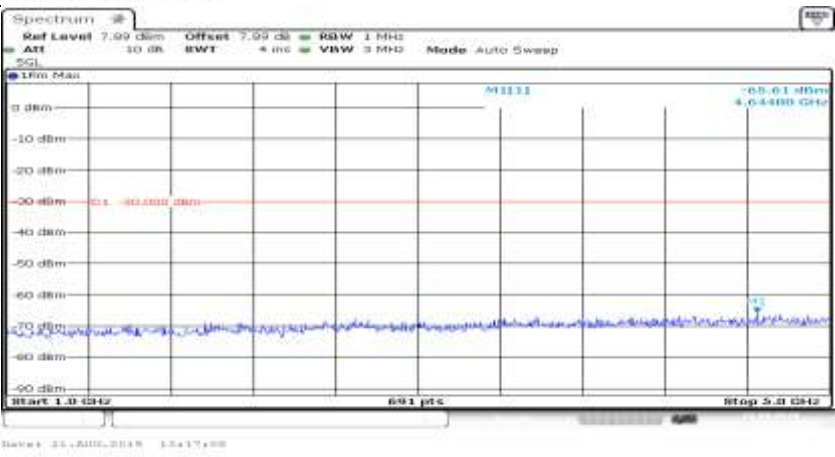
Co-existence	
Co-existence	
Co-existence	



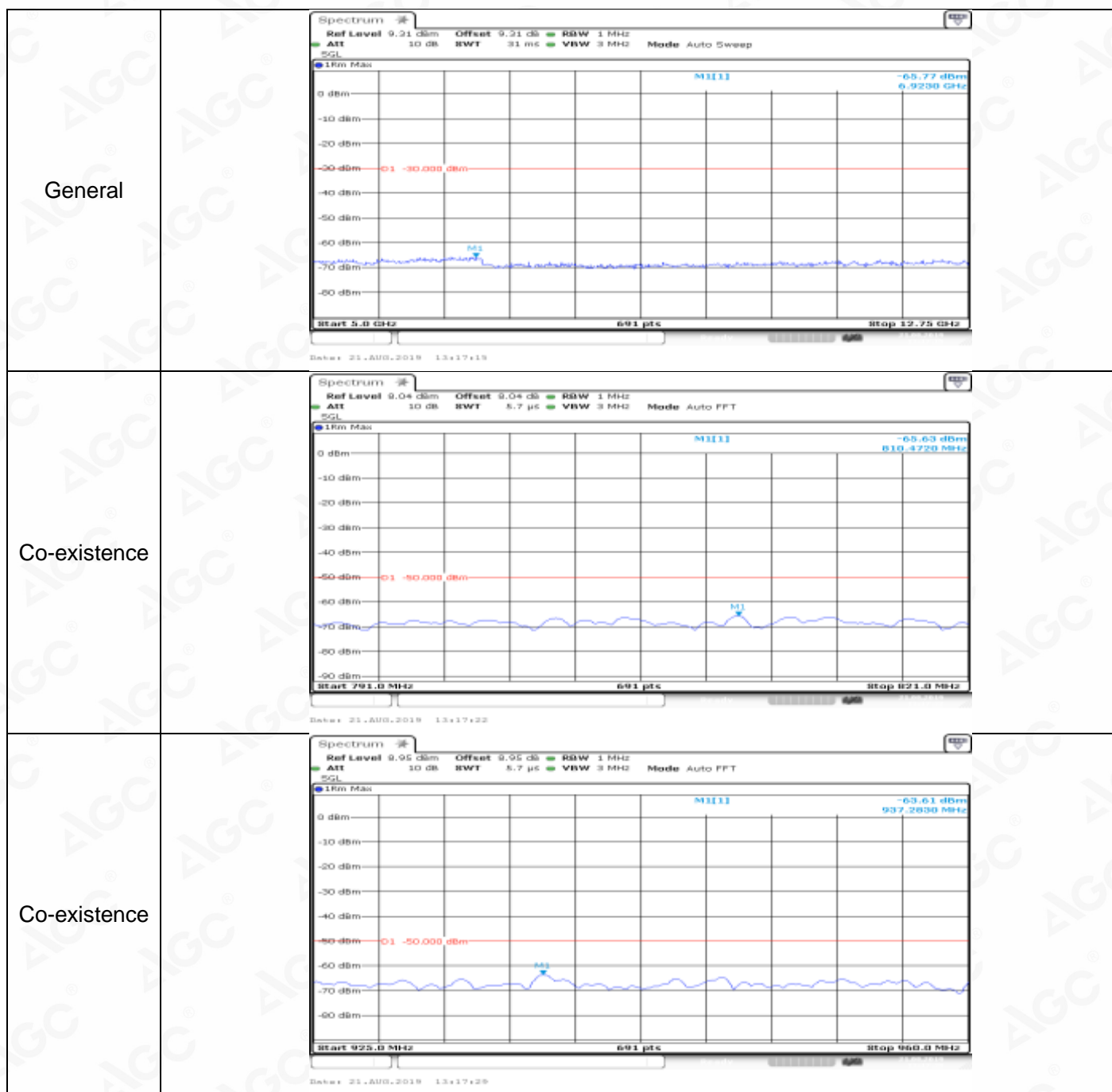
Co-existence	
Additional	NA

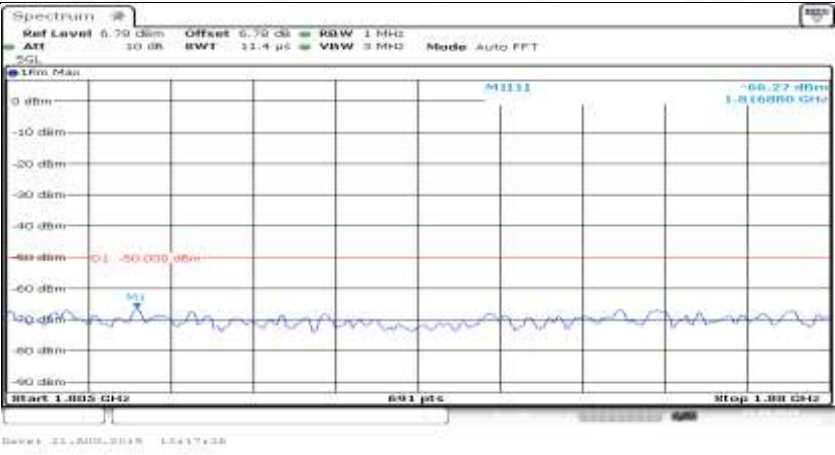
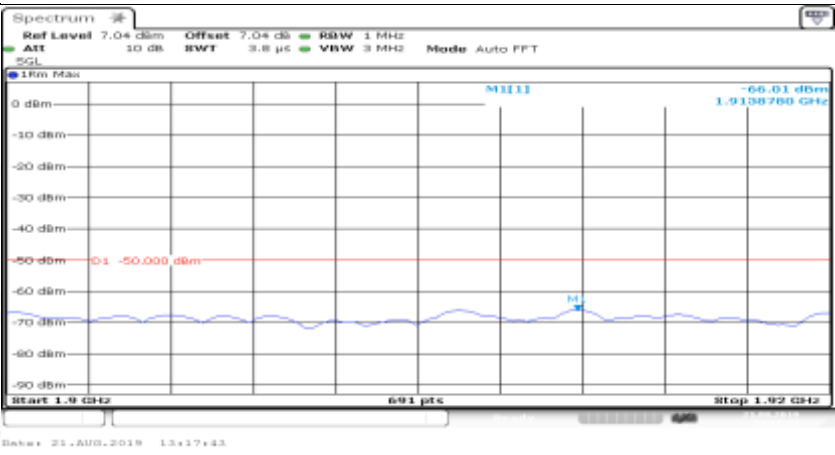
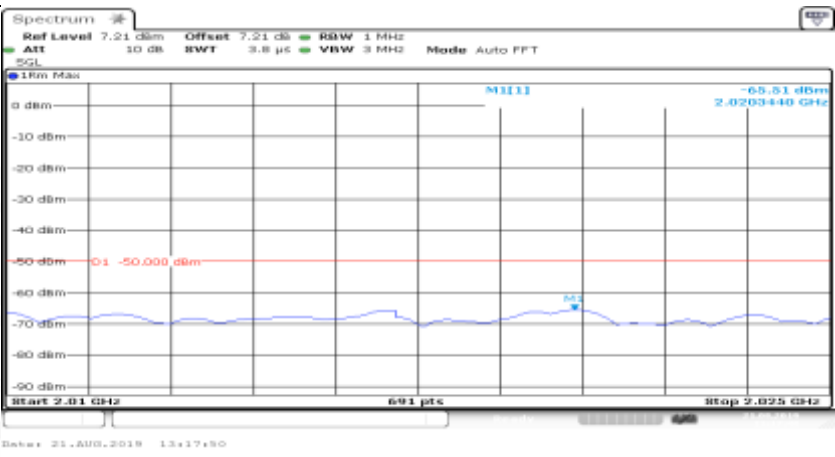
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_FullRB#0	
General	
General	

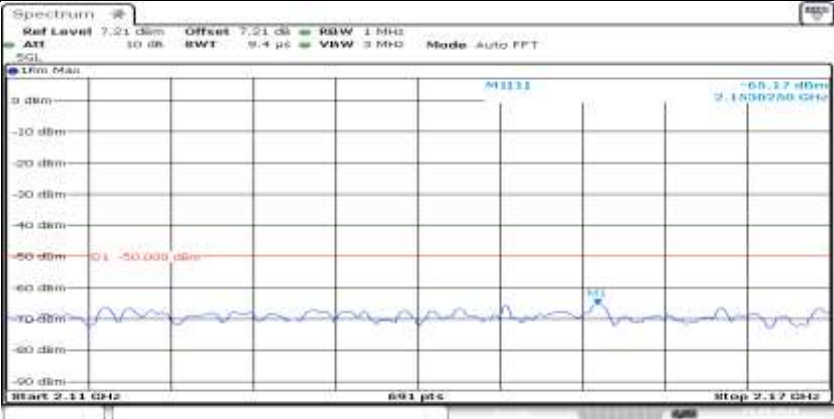
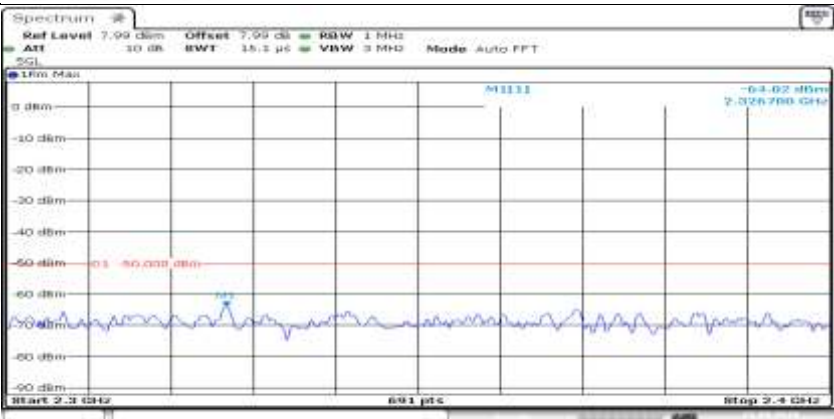
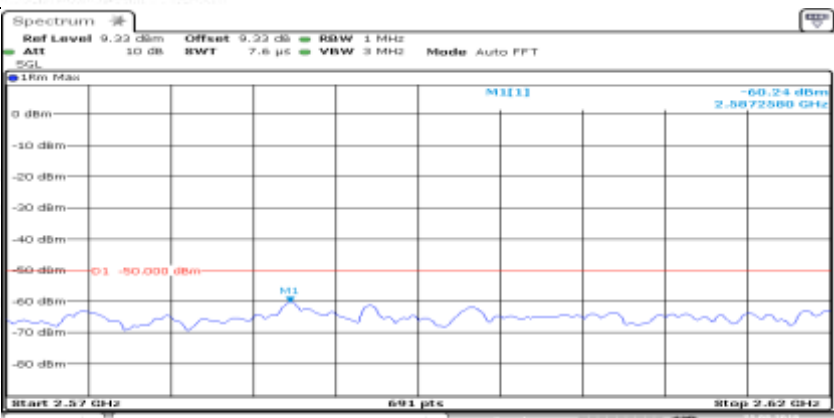


General	
General	
General	



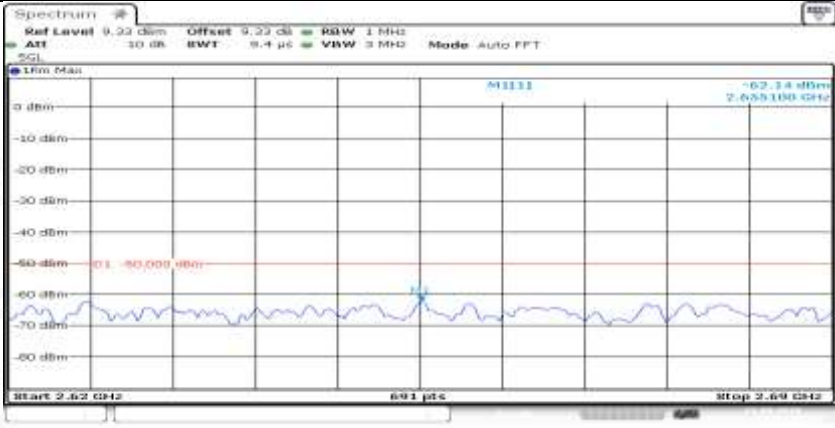

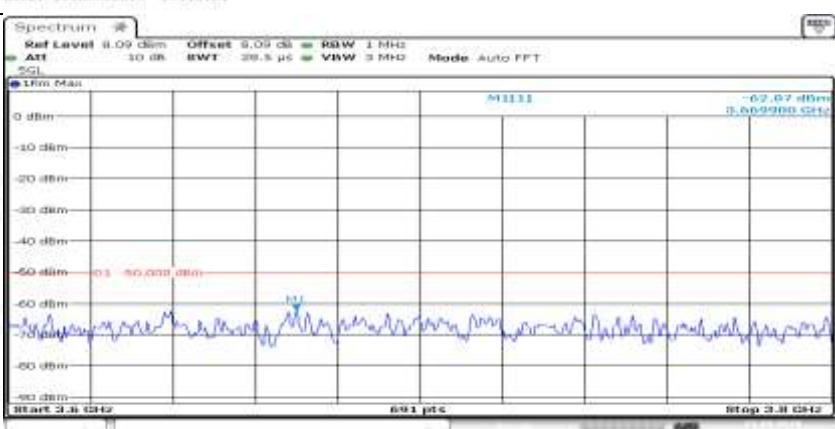


Co-existence	
Co-existence	
Co-existence	

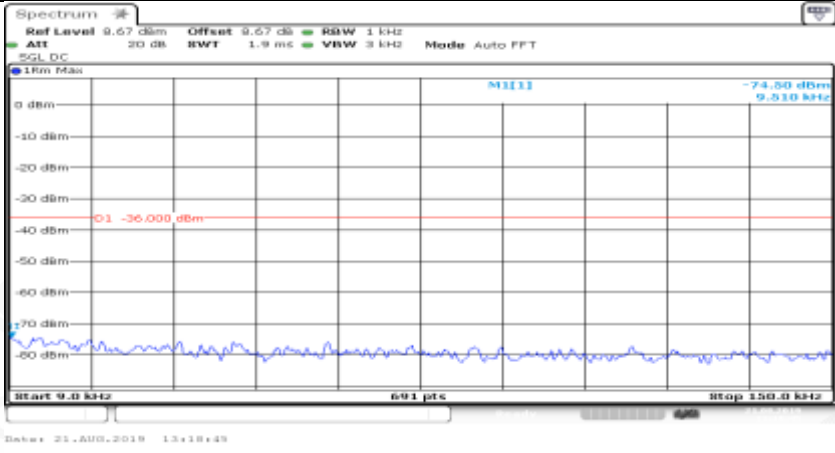

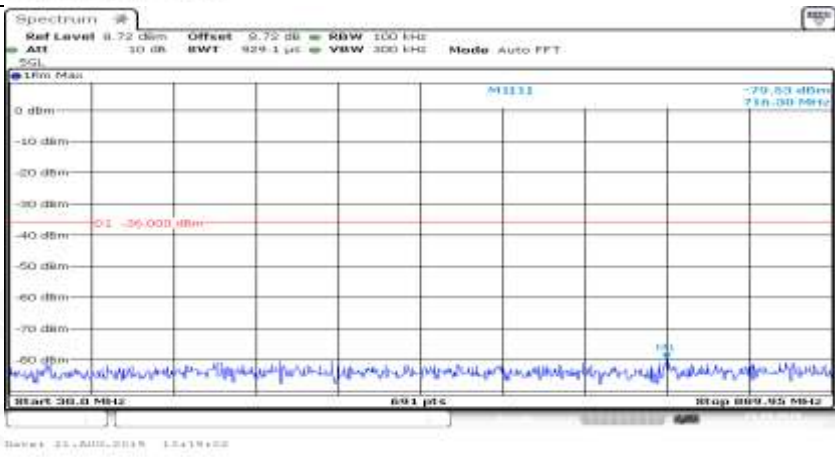
Co-existence	
Co-existence	
Co-existence	

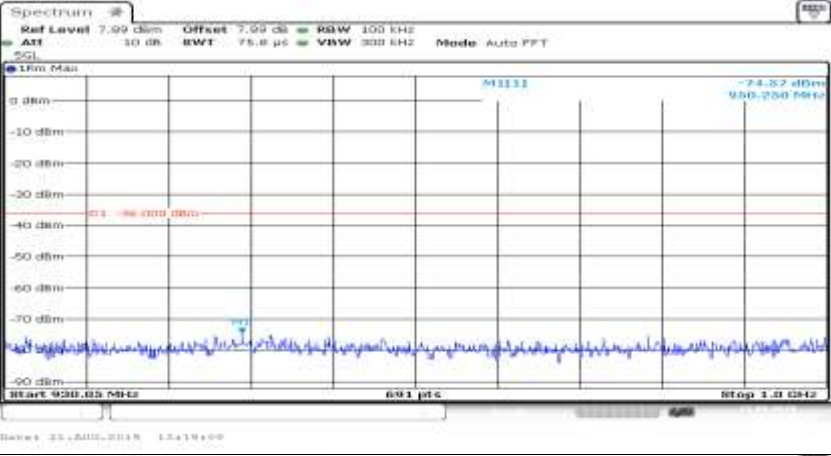
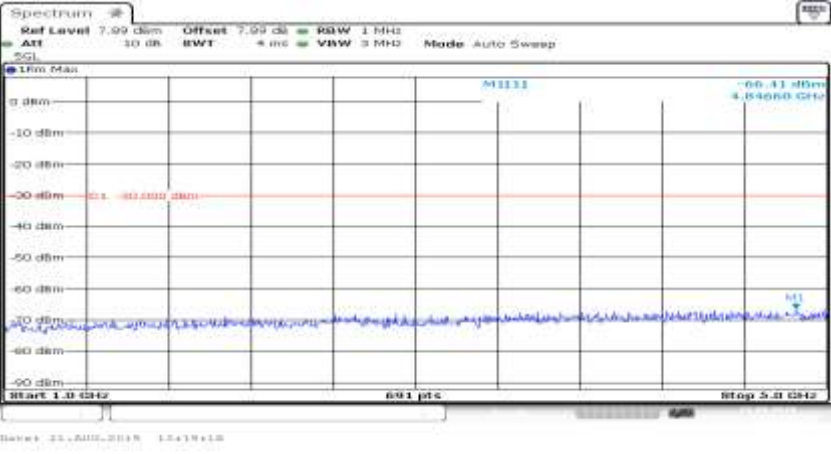
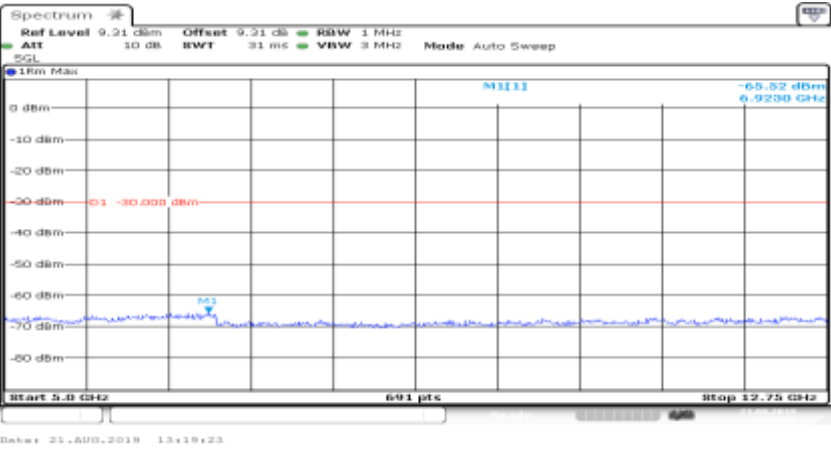




Co-existence	
Co-existence	
Co-existence	
Additional	NA

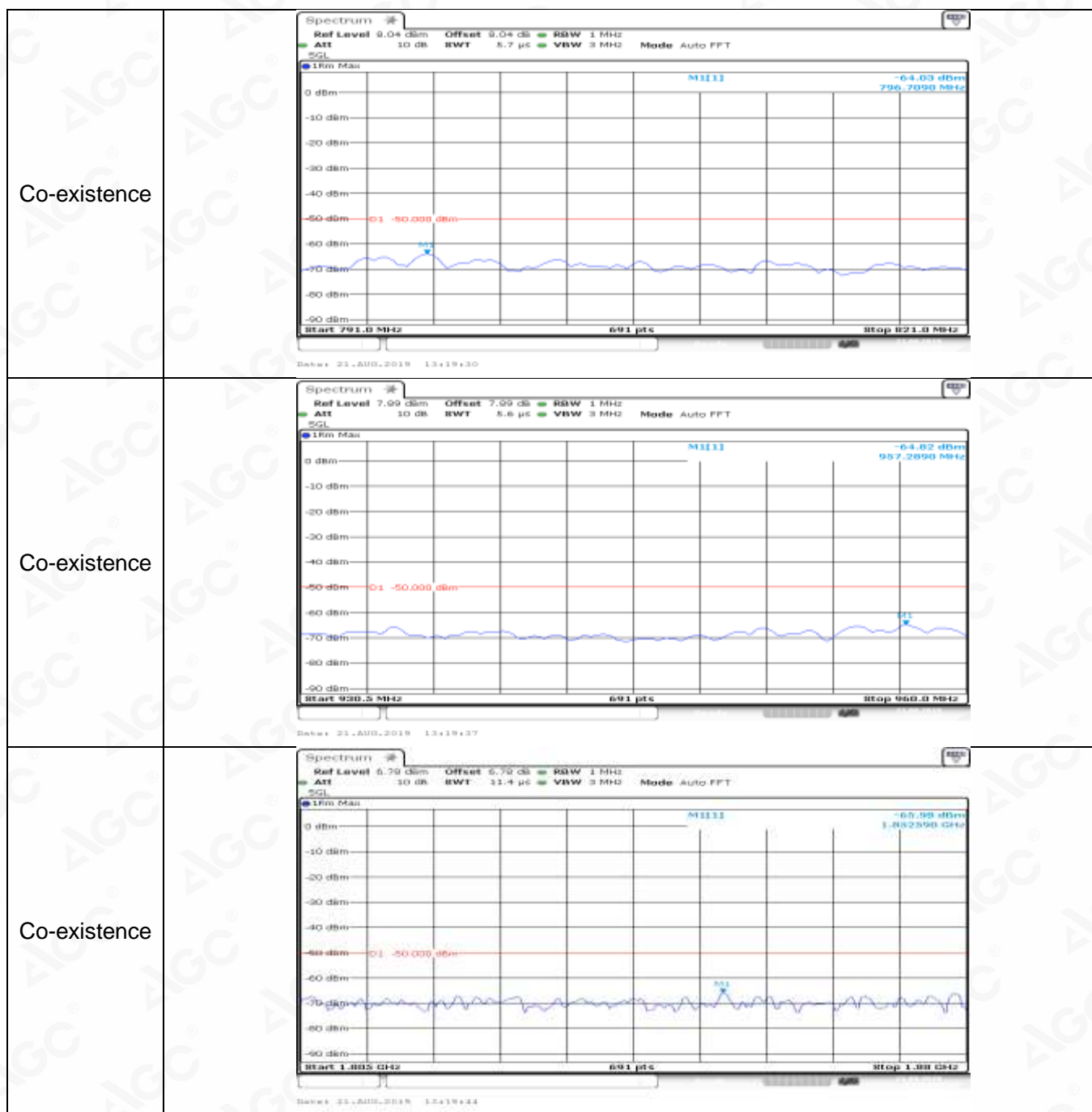
Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_1RB#0

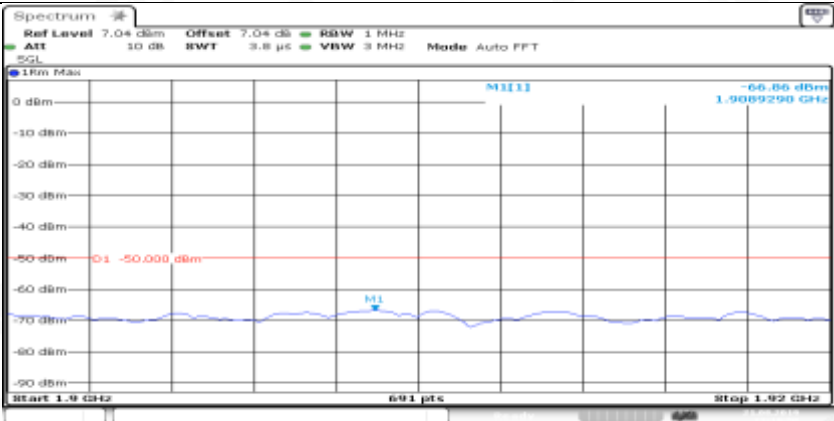
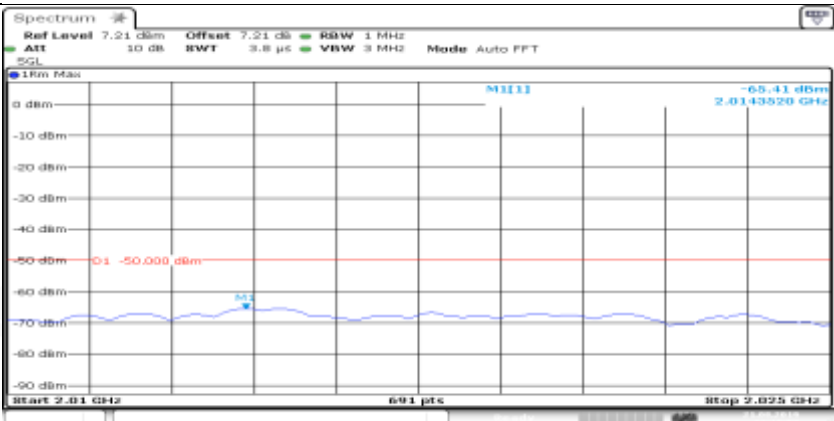

General	
General	
General	

General	 <p>Spectrum plot showing a signal at 938.03 MHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 938.03 MHz to 938.250 MHz. The plot shows a noisy baseline with a small peak at 938.03 MHz. The peak is labeled with a value of -74.52 dBm.</p>
General	 <p>Spectrum plot showing a signal at 1.0 GHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 1.0 GHz to 5.0 GHz. The plot shows a noisy baseline with a small peak at 1.0 GHz. The peak is labeled with a value of -66.41 dBm.</p>
General	 <p>Spectrum plot showing a signal at 5.0 GHz. The y-axis ranges from -90 dBm to 0 dBm. The x-axis ranges from 5.0 GHz to 12.75 GHz. The plot shows a noisy baseline with a small peak at 5.0 GHz. The peak is labeled with a value of -65.52 dBm.</p>

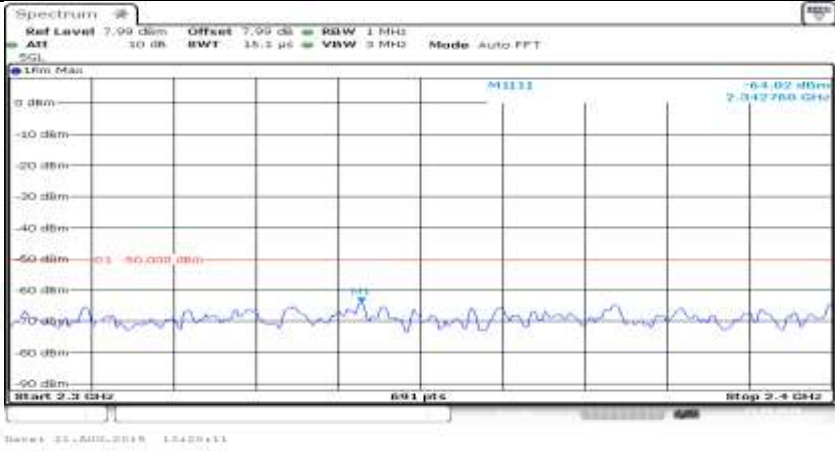
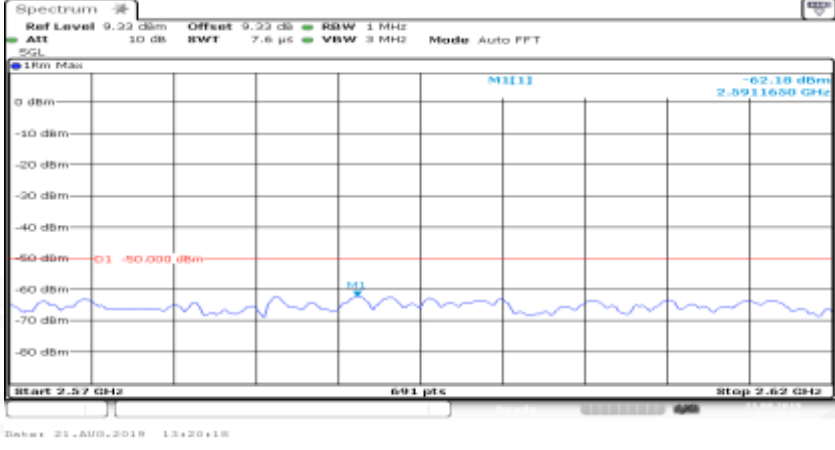






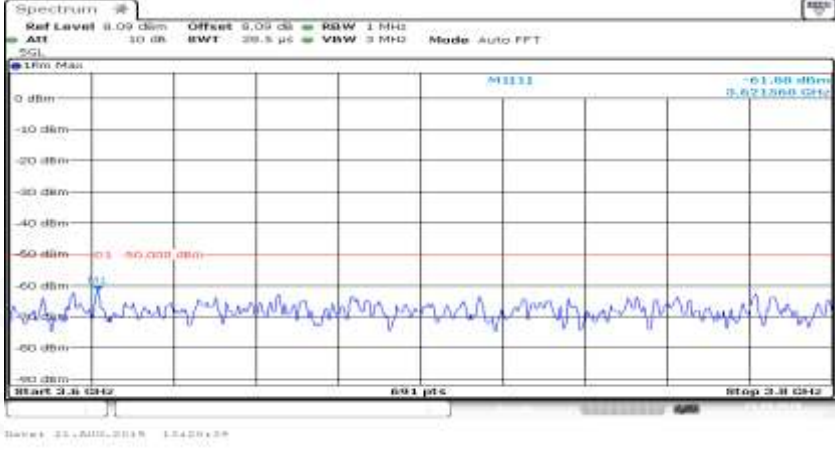


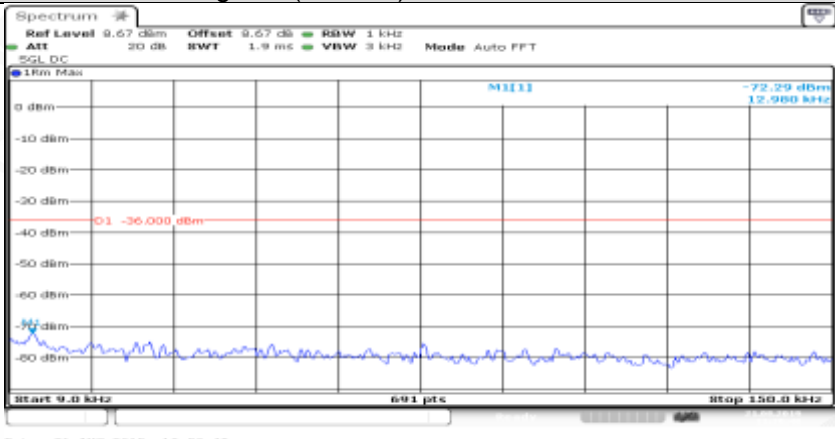
Co-existence	 <p>Ref Level 7.04 dBm Offset 7.04 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -66.86 dBm 1.9089290 GHz</p> <p>Start 1.9 GHz 691 pts Stop 1.92 GHz</p> <p>Date: 21.AUG.2019 13:19:51</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -65.41 dBm 2.0143529 GHz</p> <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 21.AUG.2019 13:19:57</p>
Co-existence	 <p>Ref Level 7.21 dBm Offset 7.21 dB RBW 1 MHz ATT 10 dB BW 3.8 μs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>M111 -65.07 dBm 2.1206250 GHz</p> <p>Start 2.11 GHz 691 pts Stop 2.12 GHz</p> <p>Date: 21.AUG.2019 13:20:04</p>

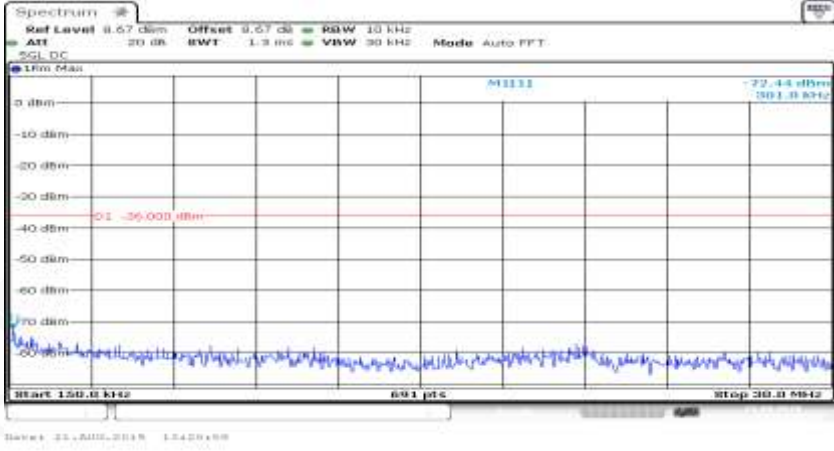
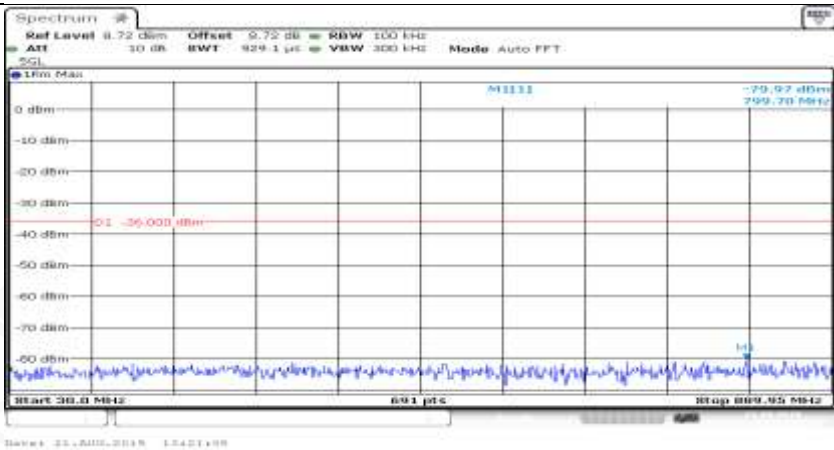
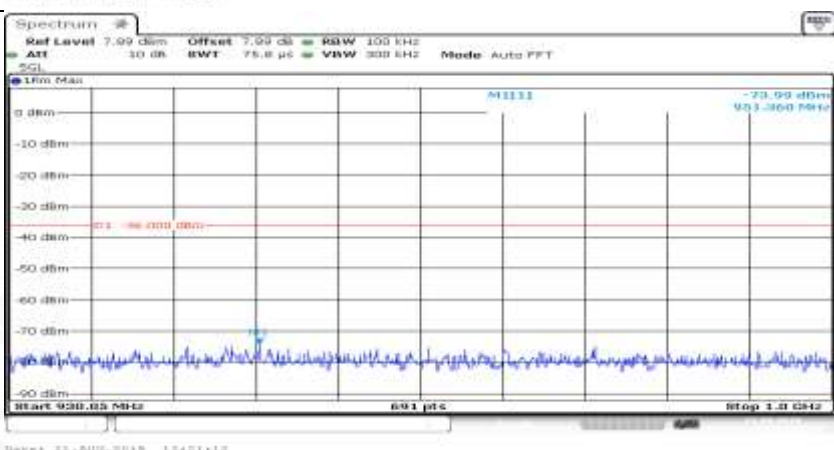


Co-existence	
Co-existence	
Co-existence	

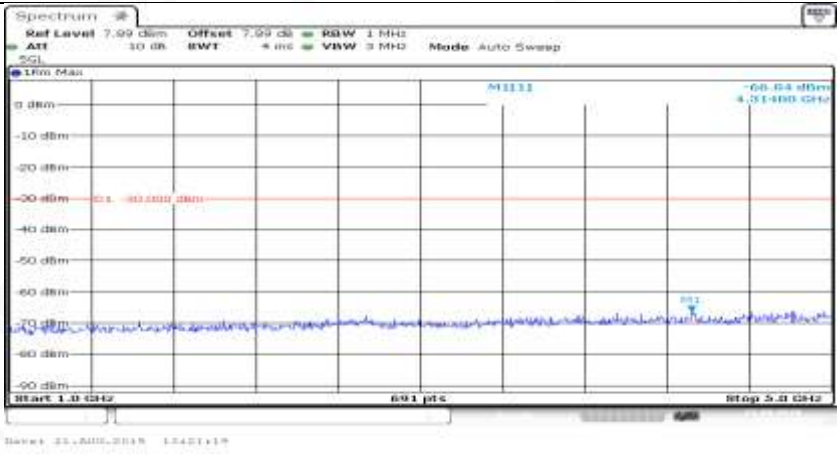
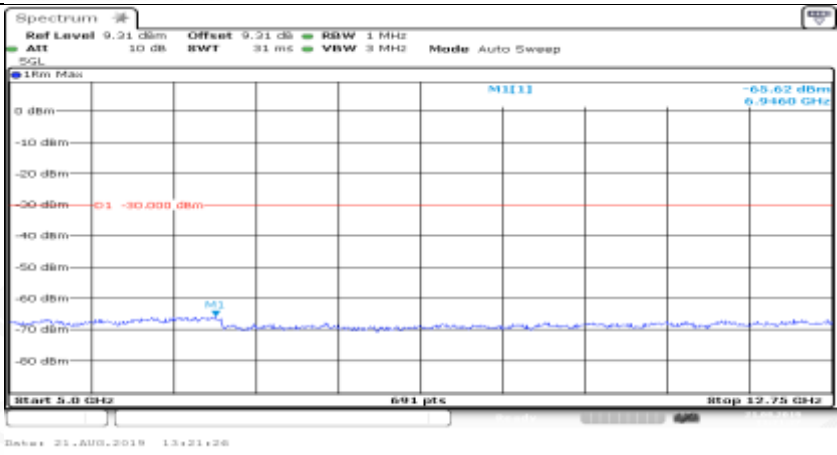
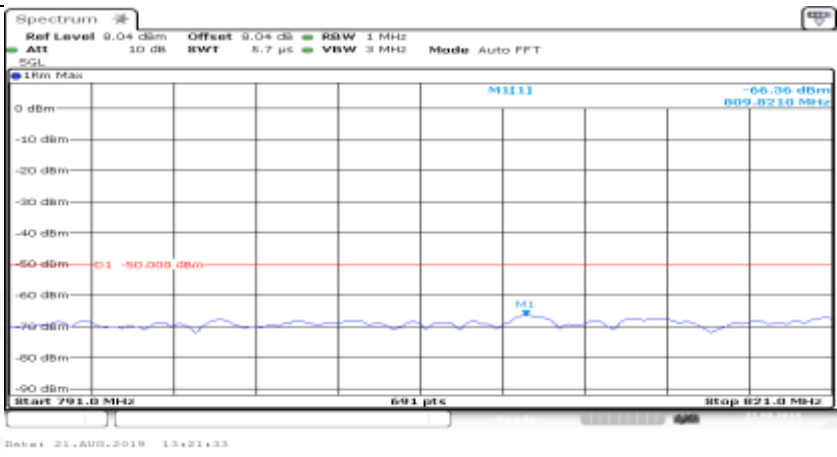


Co-existence	
Co-existence	
Additional	NA

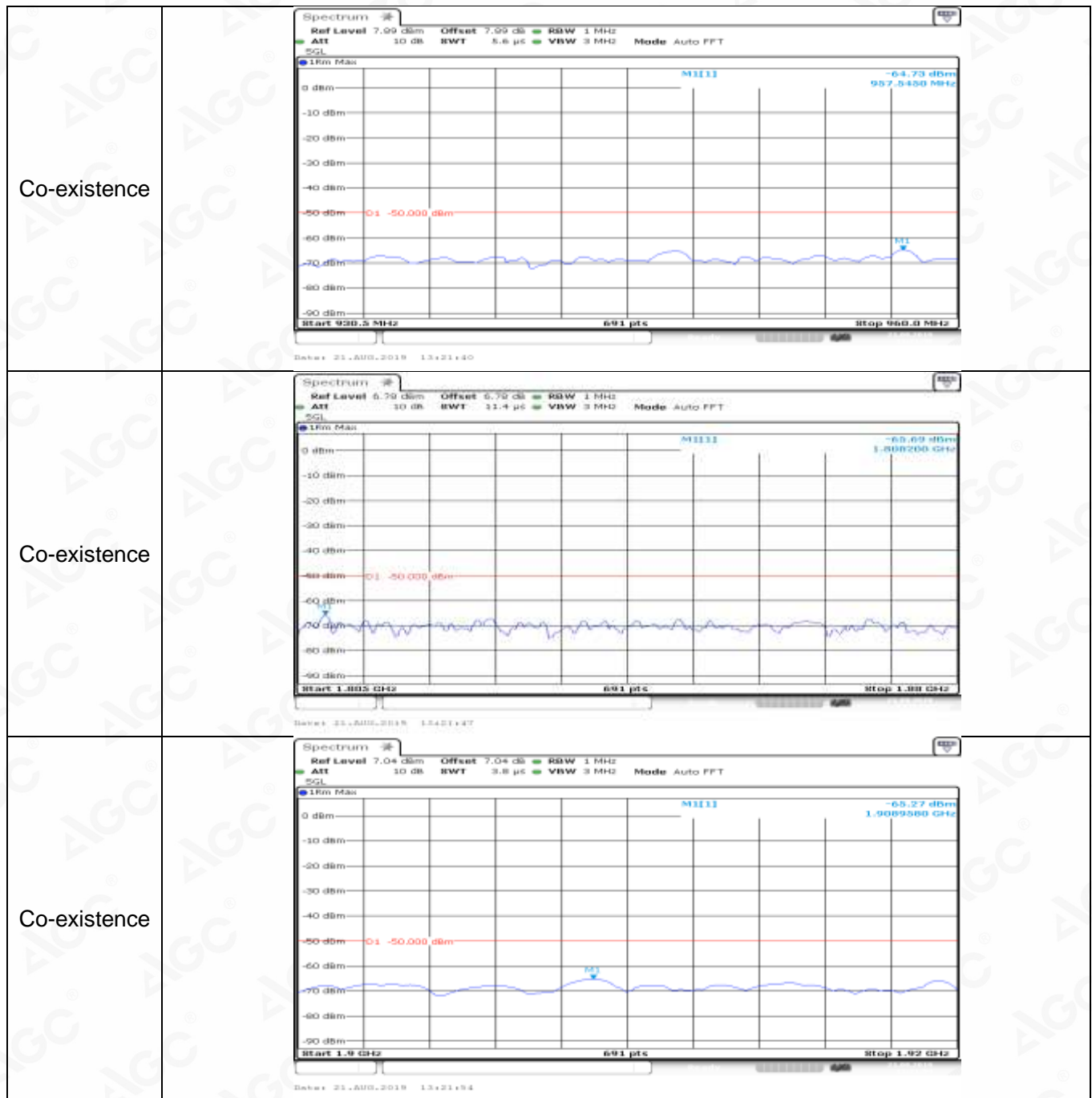
Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_1RB#max	
General	

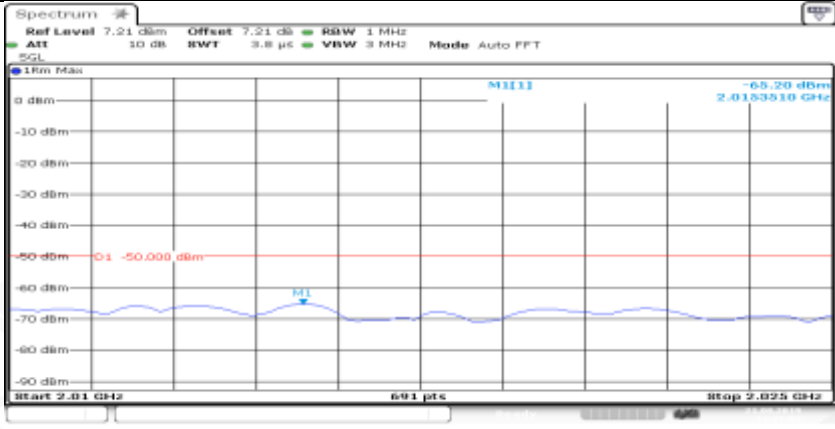
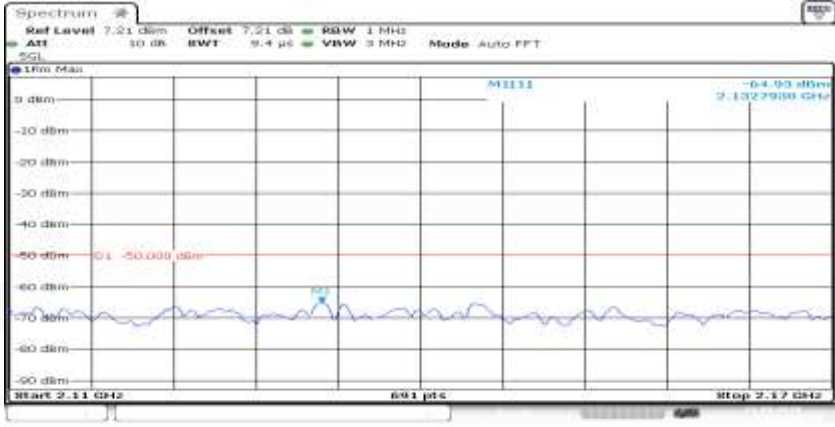
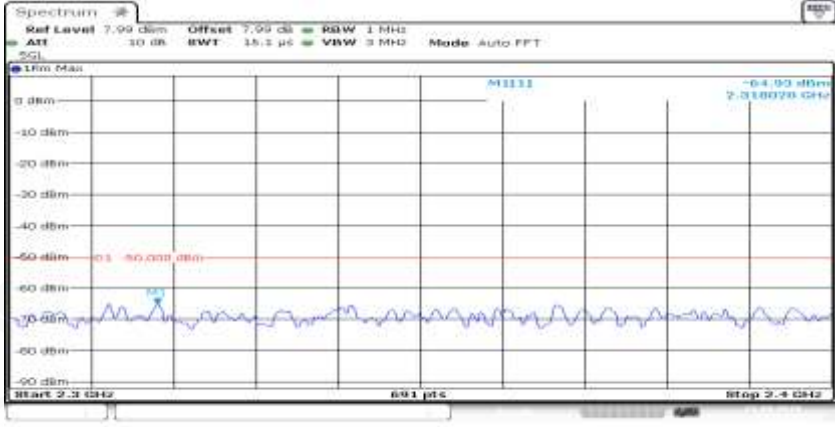
General	
General	
General	

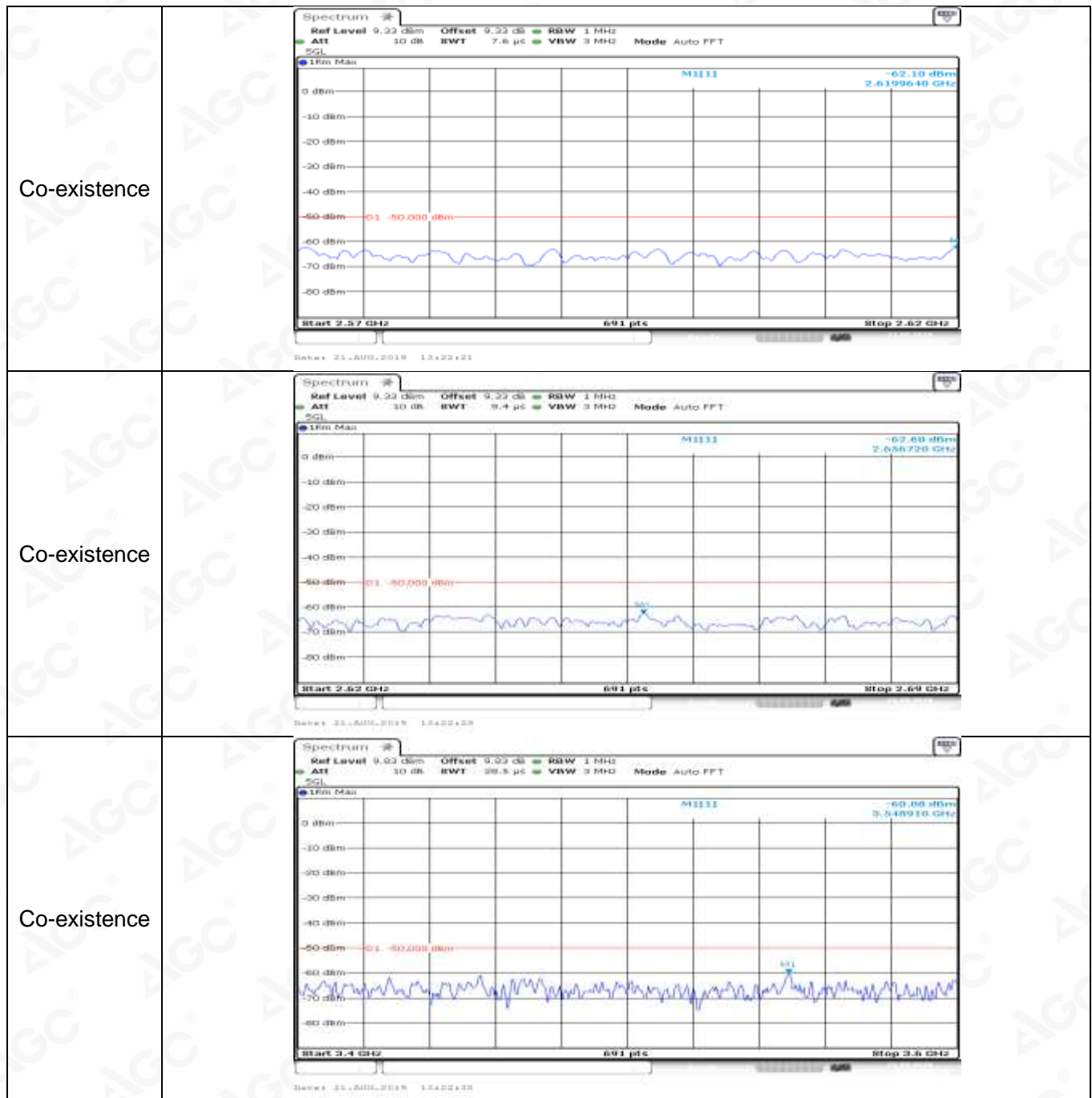


General	
General	
Co-existence	

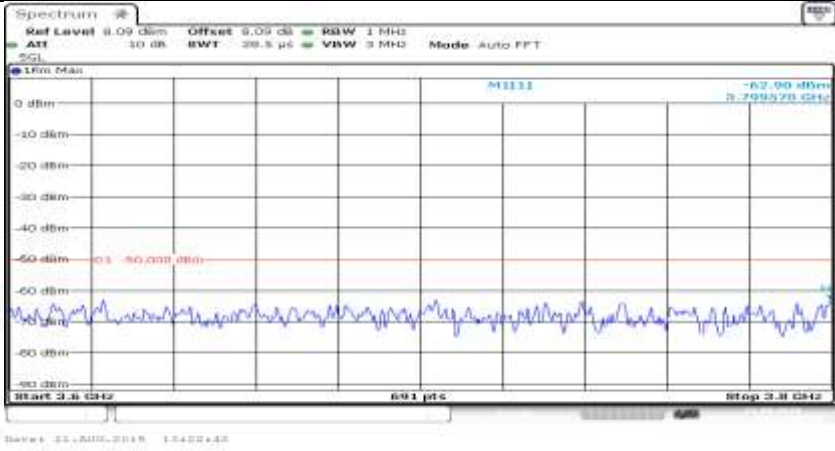


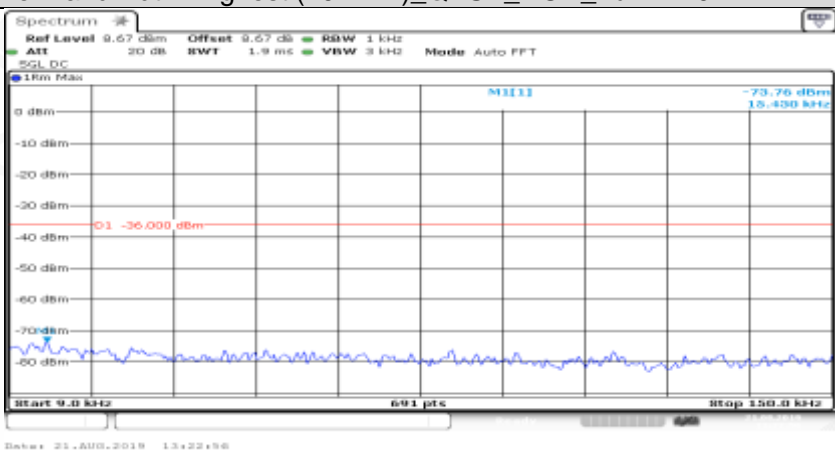
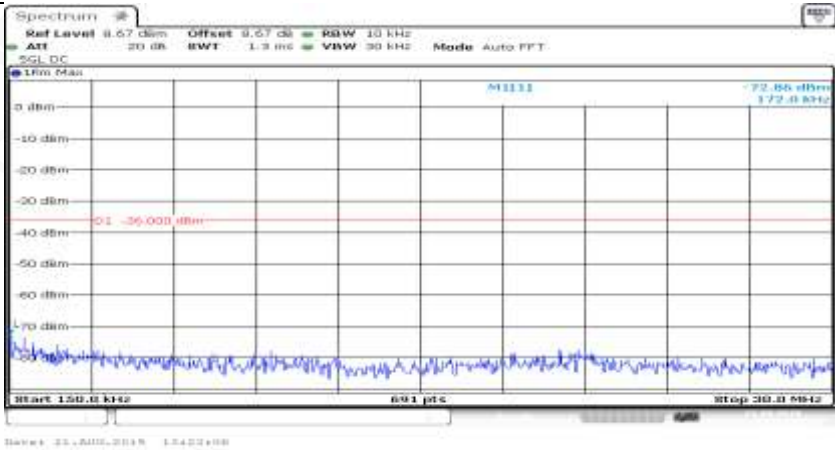


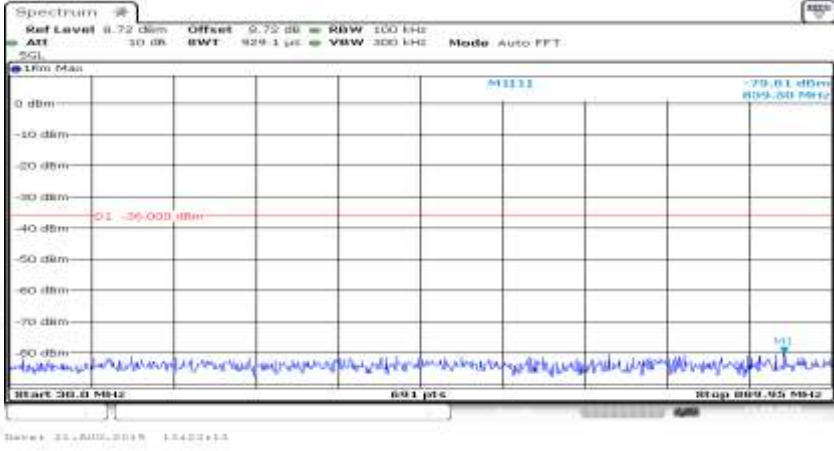
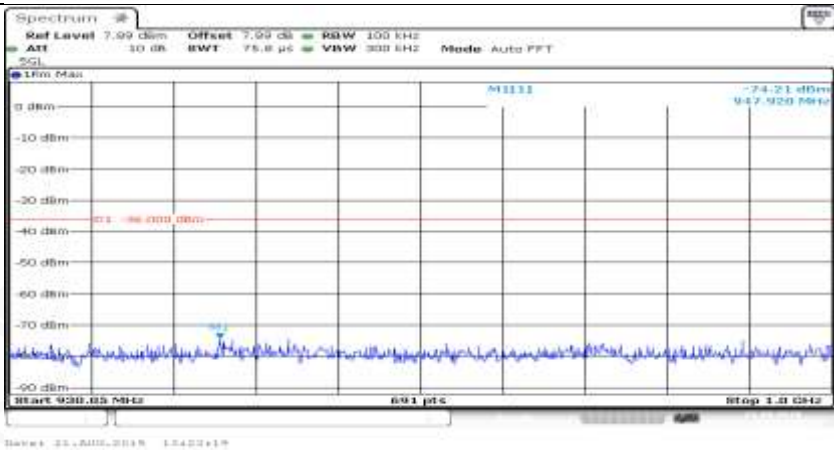
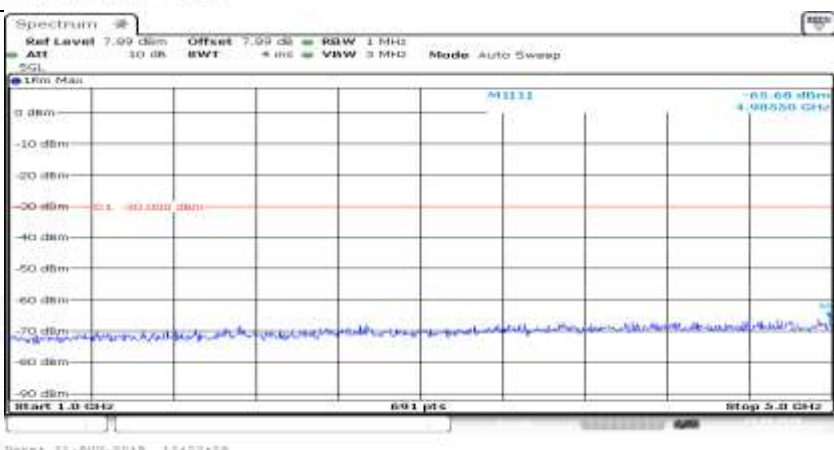
Co-existence	 <p>Start 2.01 GHz 691 pts Stop 2.025 GHz</p> <p>Date: 21.AUG.2019 13:22:01</p>
Co-existence	 <p>Start 2.11 GHz 691 pts Stop 2.12 GHz</p> <p>Date: 21.AUG.2019 13:22:00</p>
Co-existence	 <p>Start 2.31 GHz 691 pts Stop 2.4 GHz</p> <p>Date: 21.AUG.2019 13:22:13</p>



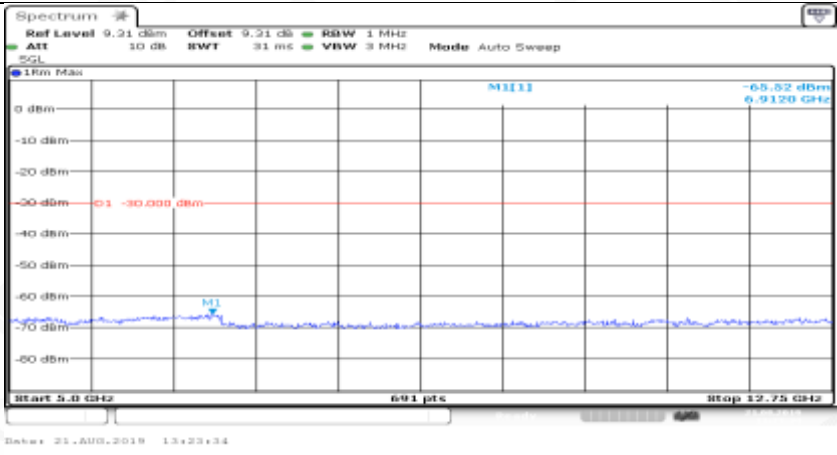
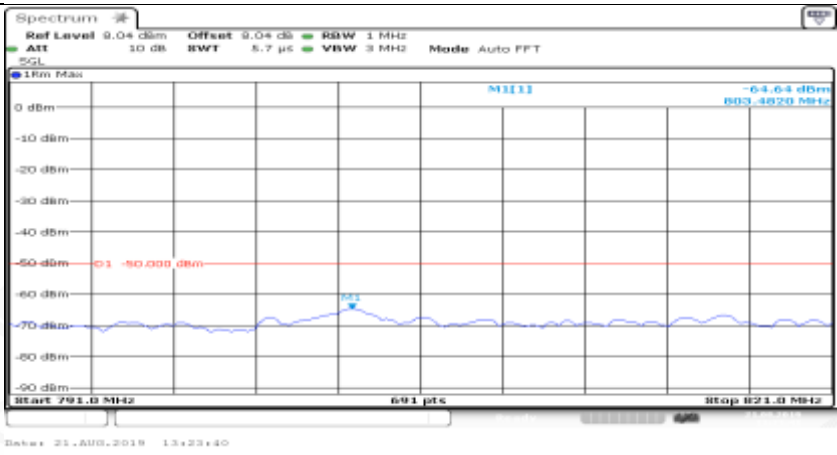



Co-existence	
Additional	NA

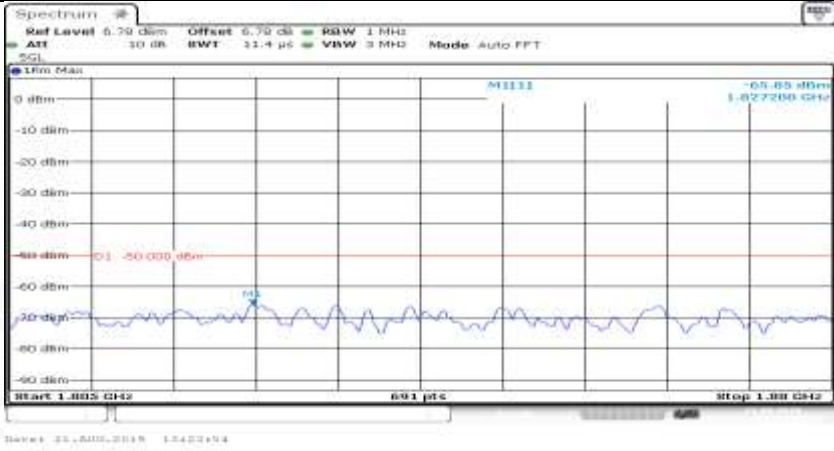
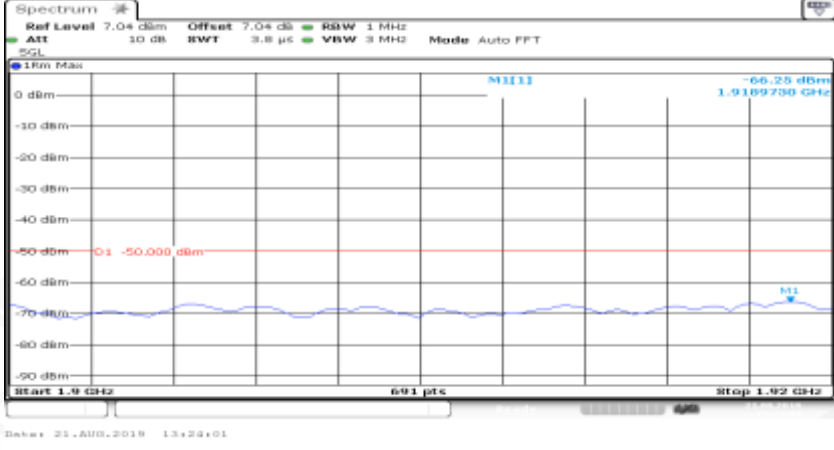
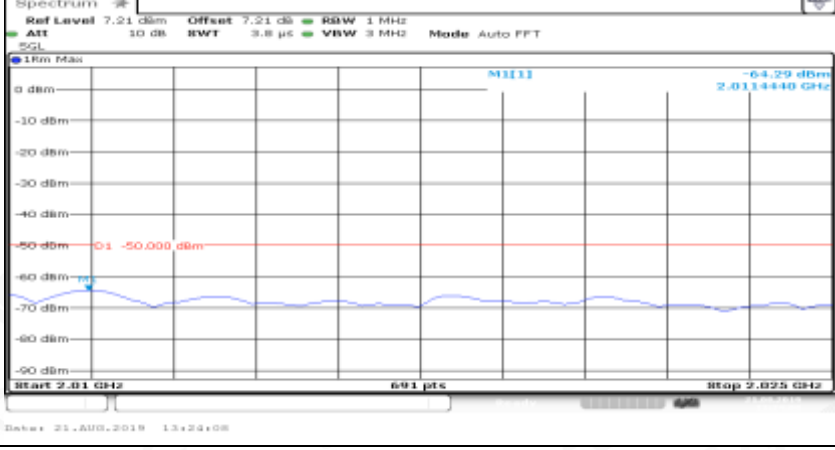
Channel Bandwidth=Highest (10 MHz)_QPSK_HCH_FullRB#0	
General	
General	

General	
General	
General	

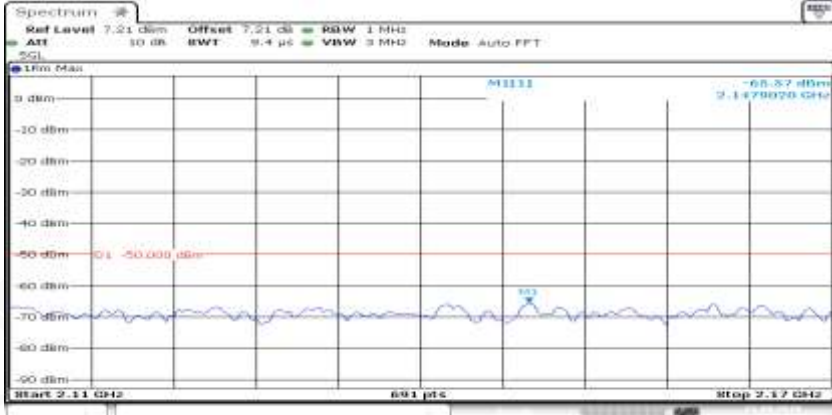
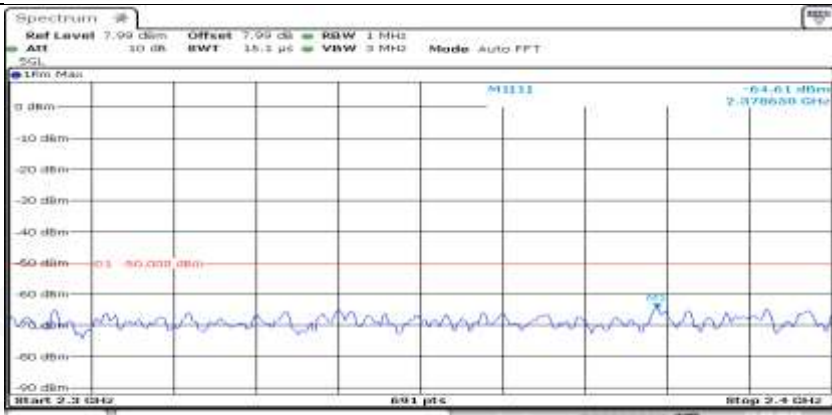
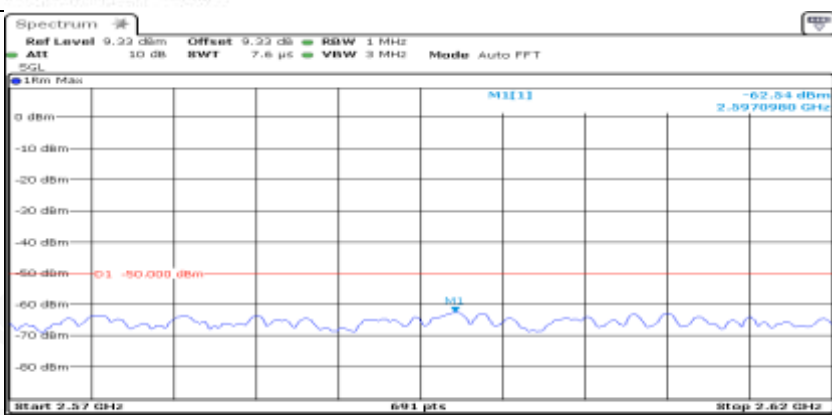


General	
Co-existence	
Co-existence	

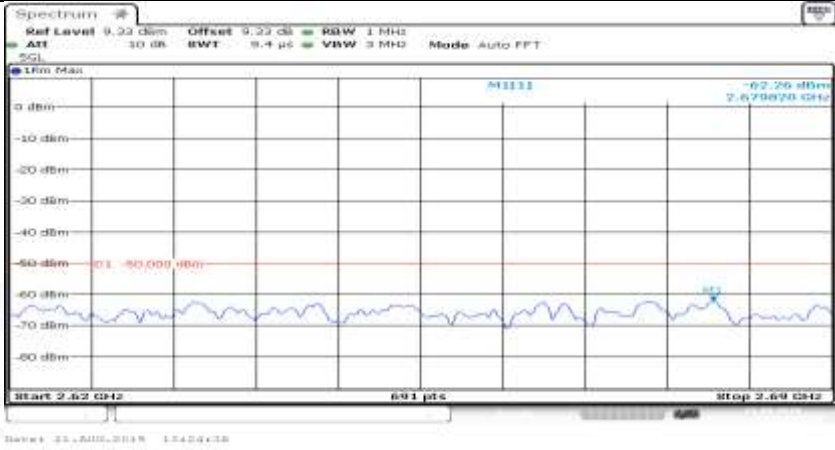




Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	



Co-existence	
Co-existence	
Co-existence	
Additional	NA



## 6. Receiver Spurious Emissions

### Test Result

NTNV

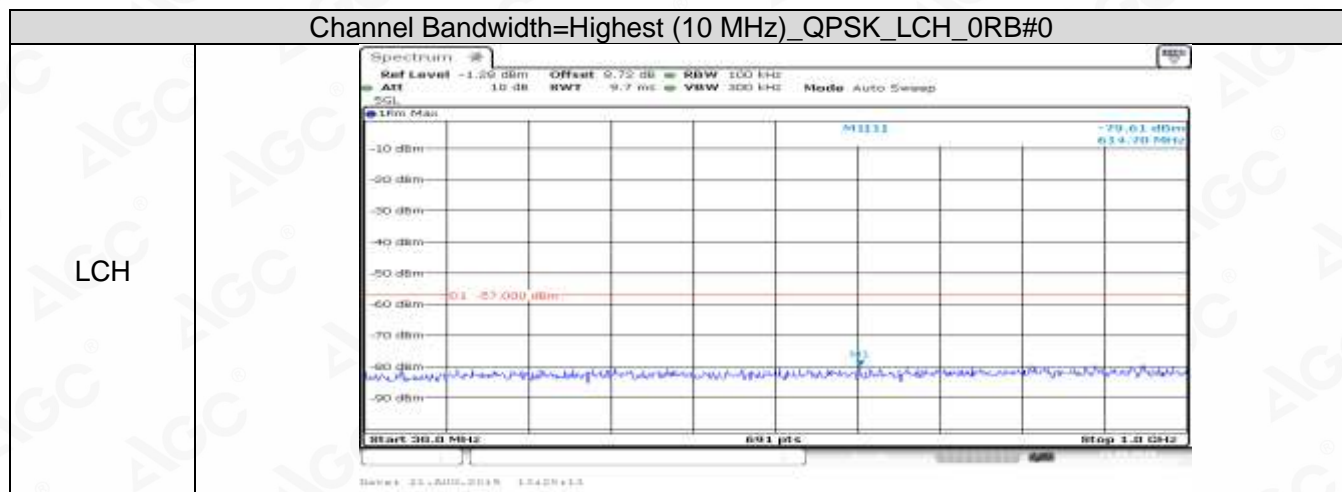
Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	10 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest



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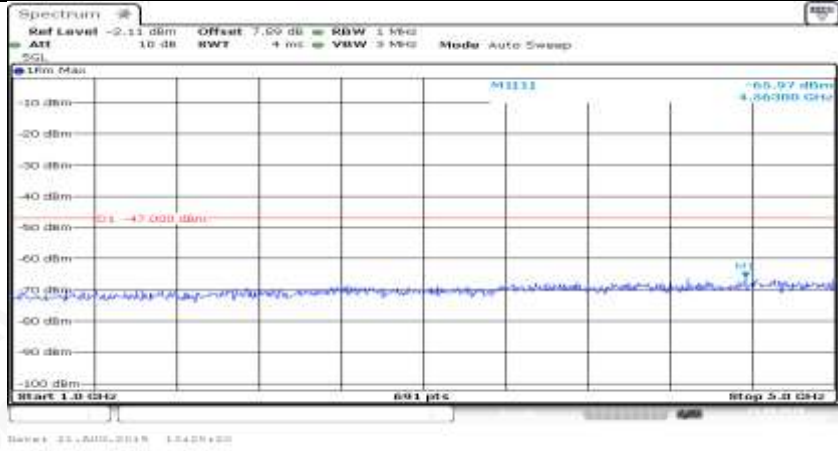
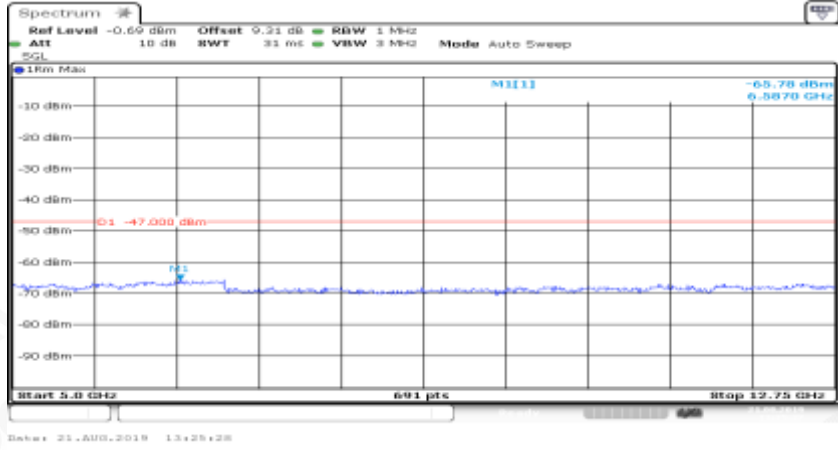
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

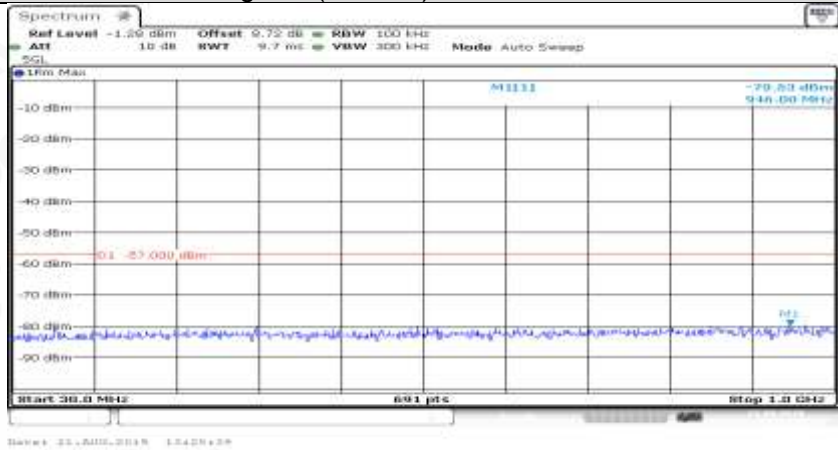
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

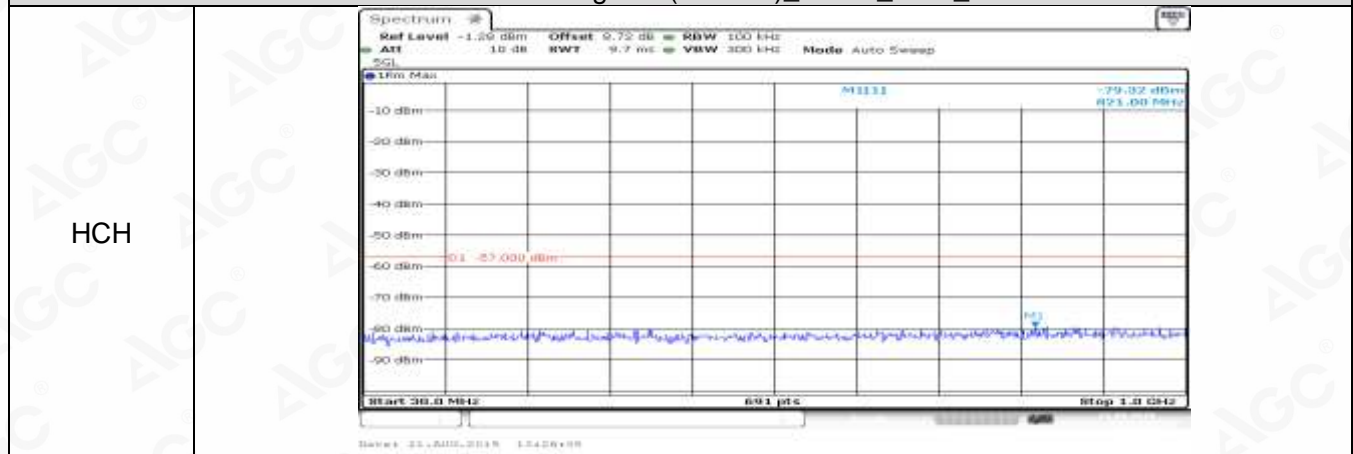
Service Hotline: 400 089 2118

LCH	
LCH	
LCH	#BWH-Img-QPSK-LCH-Rxcse-4#

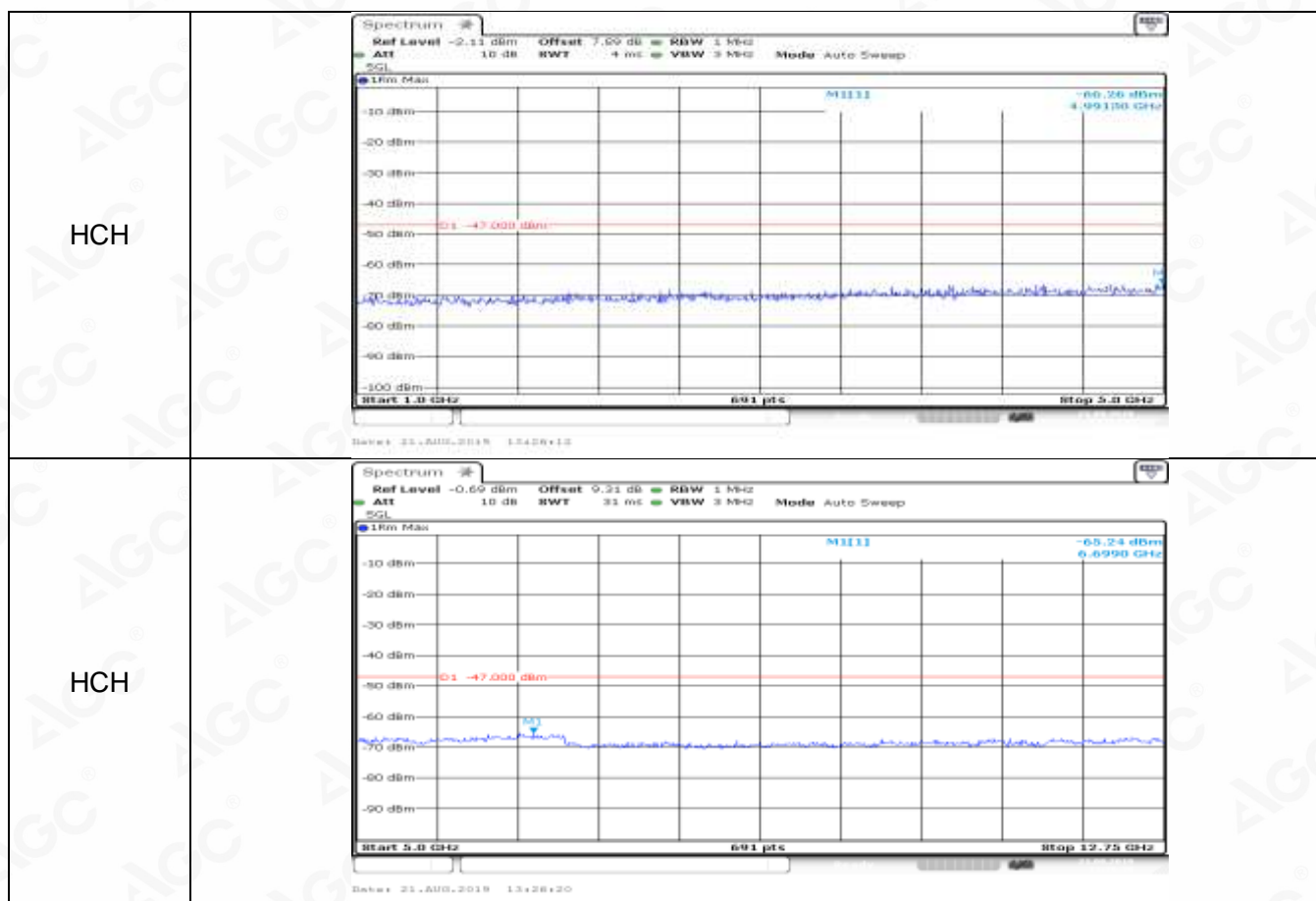
Channel Bandwidth=Highest (10 MHz)_QPSK_MCH_0RB#0	
MCH	



Channel Bandwidth=Highest (10 MHz)\_QPSK\_HCH\_ORB#0







## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	PASS				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	PASS				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	PASS				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict			PASS		

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %



<b>Verdict</b>	<b>PASS</b>
----------------	-------------

# Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
1.4MHz	QPSK	Full	QPSK	NA-L-RB	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	NA-H-RB	≥ 95 %
Verdict	PASS				



## 9. Receiver Spurious Response

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 1.4MHz, Highest 10MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
1.4MHz	QPSK	Full	QPSK	6	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
10MHz	QPSK	Full	QPSK	50	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band						
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 10MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
1.4MHz	QPSK	Full	QPSK	6	PASS	≥ 95 %
5MHz	QPSK	Full	QPSK	15,20,25	PASS	≥ 95 %
10MHz	QPSK	Full	QPSK	50	PASS	≥ 95 %
Verdict	PASS					





## 11. Receiver Reference Sensitivity Level

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNVH ) of fellow:

### Test Results

TNVH

	Test Band			Band 8			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,1.4MHz,Highest 10MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfigurat ion		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughpu t Limit
			FDD		FDD		
TNVH	1.4MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	5MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	50	Pass	≥ 95 %



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Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

## 12. Radiated spurious emissions - MS in idle mode

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 8 TNVN ) of fellow

### Test Result

TNVN

Channel Bandwidth=Highest= (10 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-63.85	-63.57	-63.74
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-60.32	-60.24	-60.47
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-52.11	-52.06	-52.17



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Tel: +86-755 2523 4088

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## Appendix E for Band 20

### 1. Transmitter Maximum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN ) of fellow

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	23.72	Pass
					max	23.64	Pass
				Partial	0	23.70	Pass
					max	23.73	Pass
			Mid range	1	0	23.68	Pass
					max	23.71	Pass
				Partial	0	23.75	Pass
					max	23.69	Pass
			High range	1	0	23.74	Pass
					max	23.82	Pass
				Partial	0	23.75	Pass
					max	23.77	Pass

Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	23.54	Pass
					max	23.60	Pass
				Partial	0	23.56	Pass
					max	23.63	Pass
			Mid range	1	0	23.53	Pass
					max	23.55	Pass
				Partial	0	23.64	Pass
					max	23.53	Pass
			High	1	0	23.38	Pass



			range	max	23.48	Pass
			Partial	0	23.58	Pass
				max	23.60	Pass



## 2. Transmitter Minimum Output Power

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN ) of fellow

### Test Result

NTNV

#### Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	Full	0	-48.62	Pass
			Mid range	Full	0	-50.92	Pass
			High range	Full	0	-50.73	Pass

#### Channel Bandwidth=Highest (20 MHz)

Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Average Power (dBm)	Verdict
				RB Size	RB Offset		
Normal	QPSK	20MHz	Low range	Full	0	-50.33	Pass
			Mid range	Full	0	-50.26	Pass
			High range	Full	0	-50.19	Pass



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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

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### 3. Transmitter Spectrum Emission Mask

#### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass



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	16QAM				max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
			Mid range	Full	0	PUMAX	Pass
				Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)

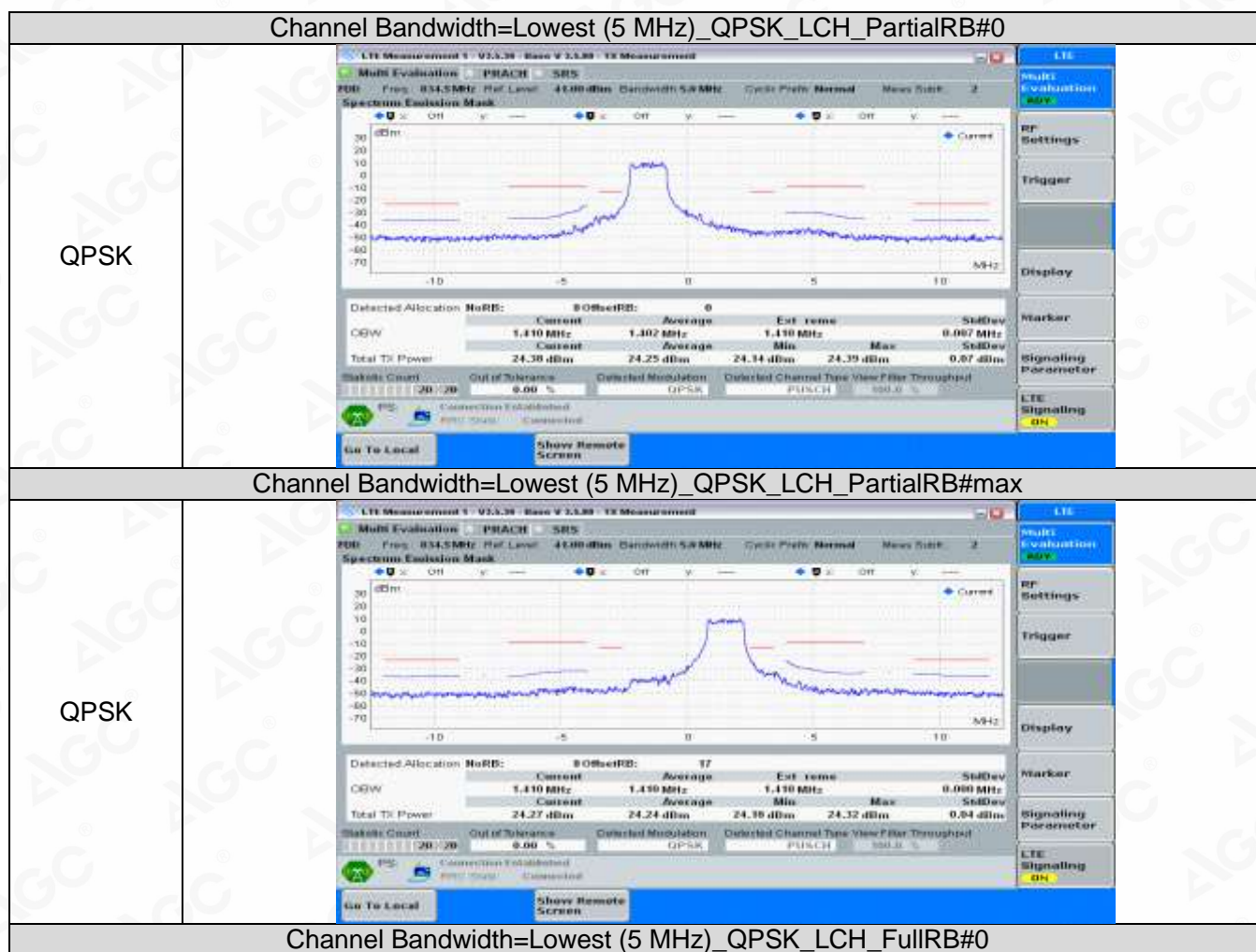
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass



## Test Graphs

NTNV

Channel Bandwidth=Lowest (5 MHz)



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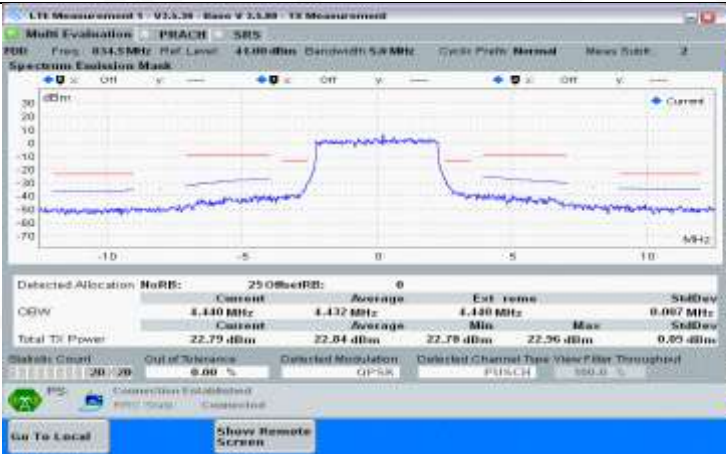
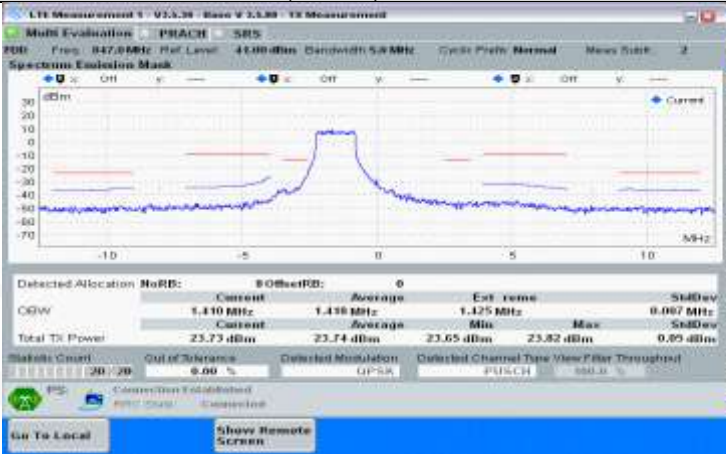
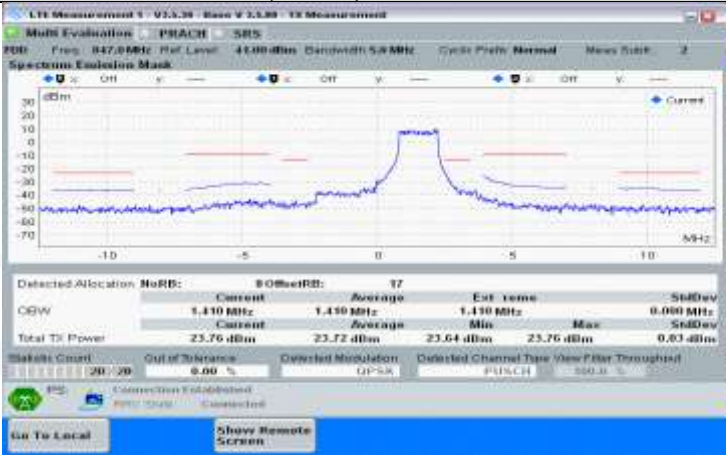
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

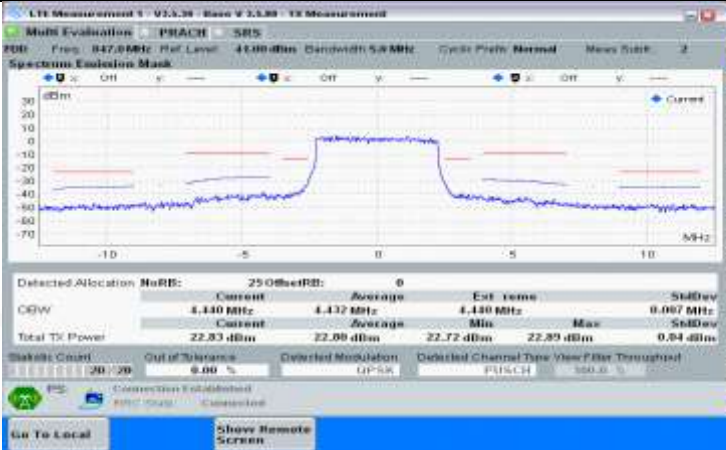
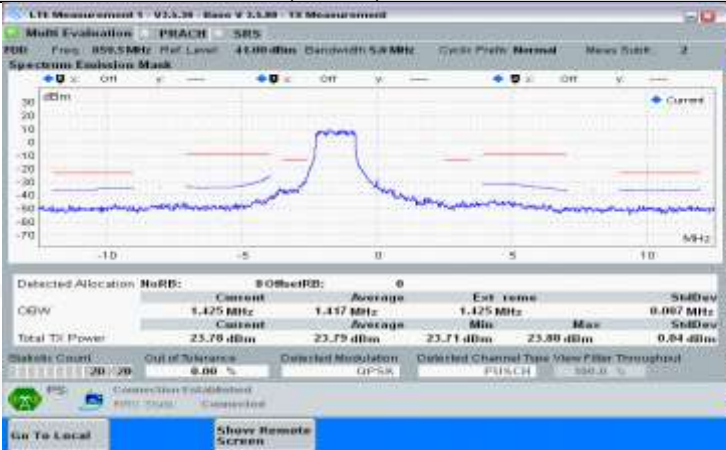
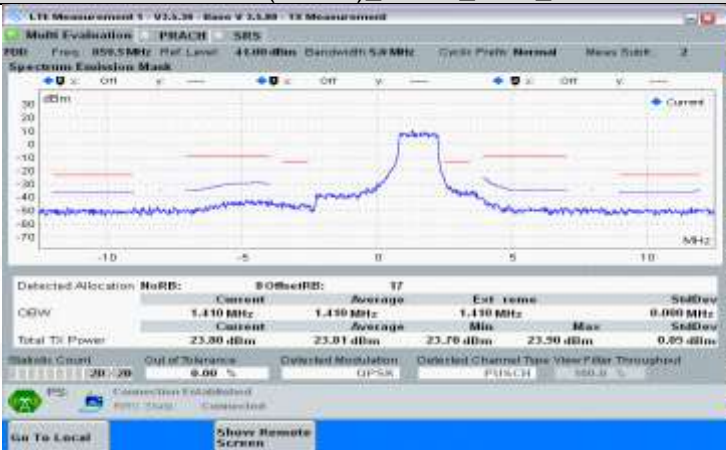
Tel: +86-755 2523 4088

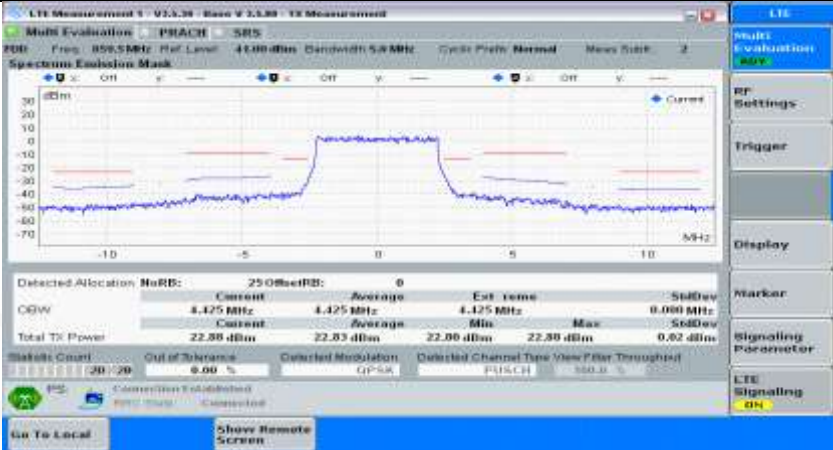
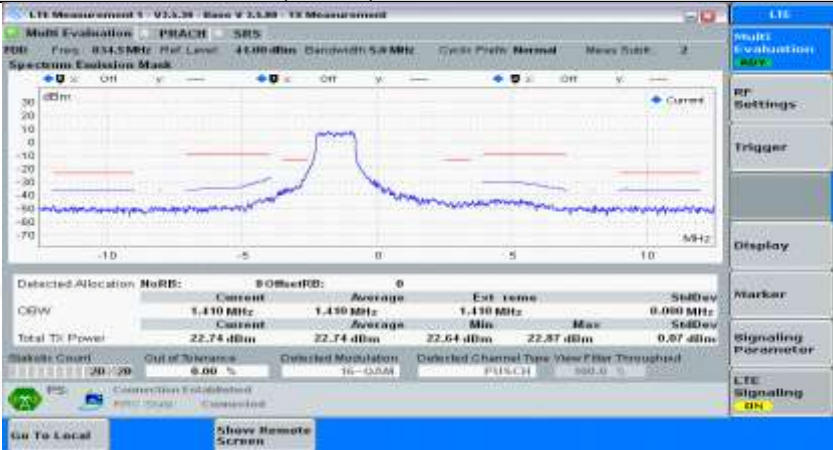
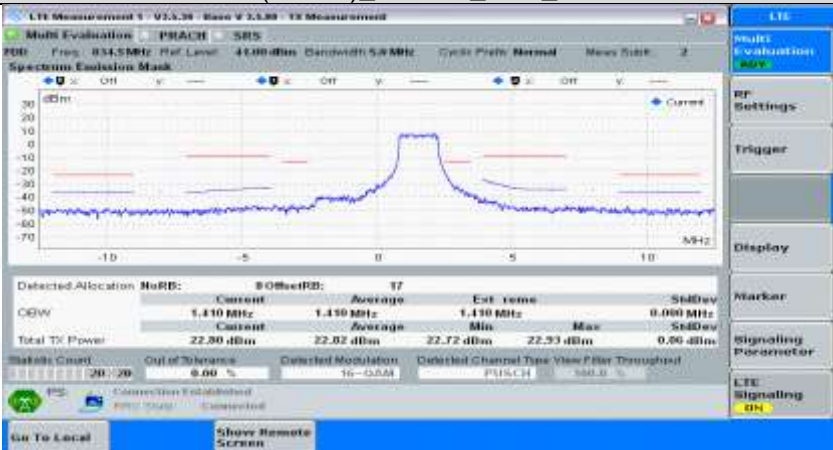
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

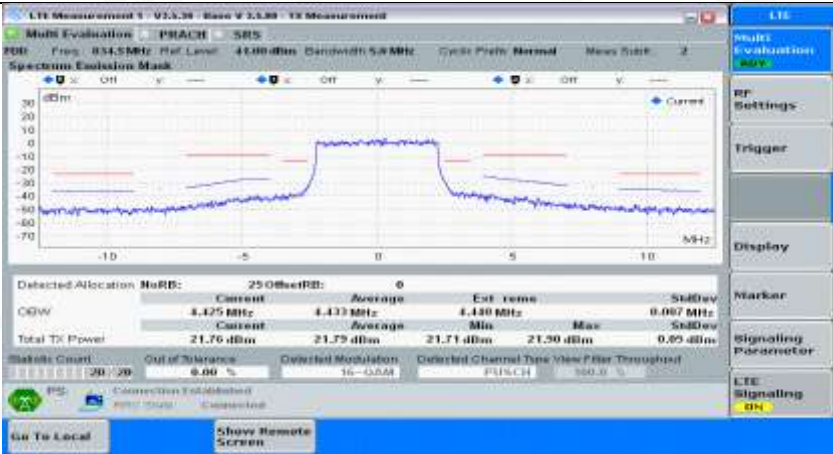
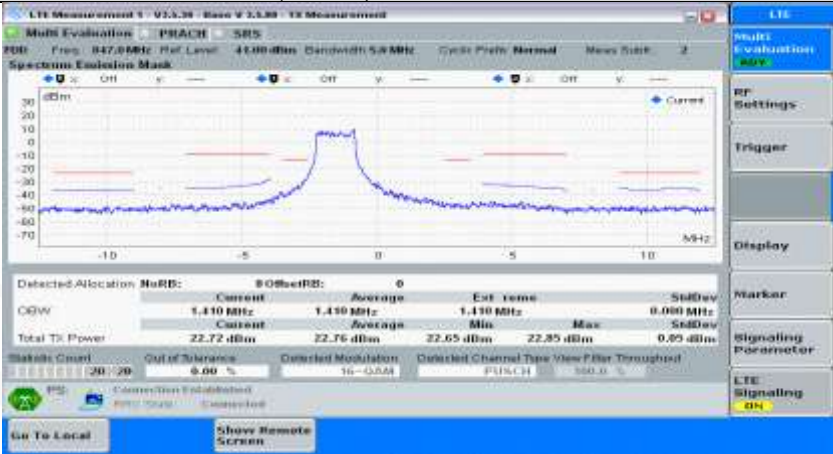
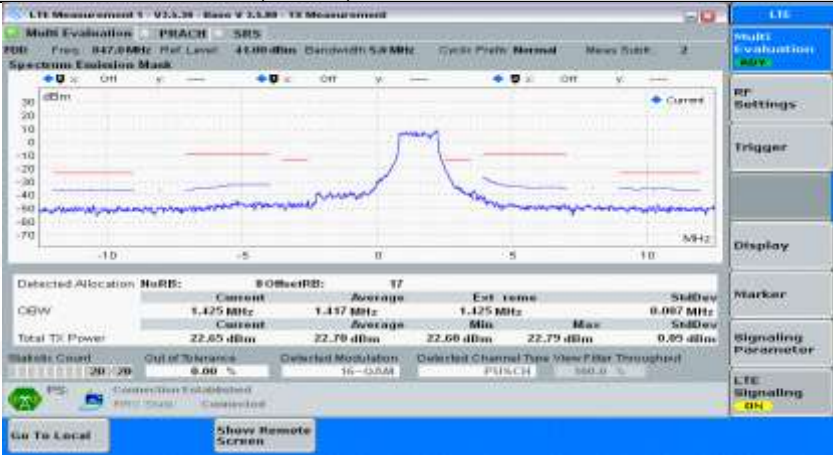
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0		



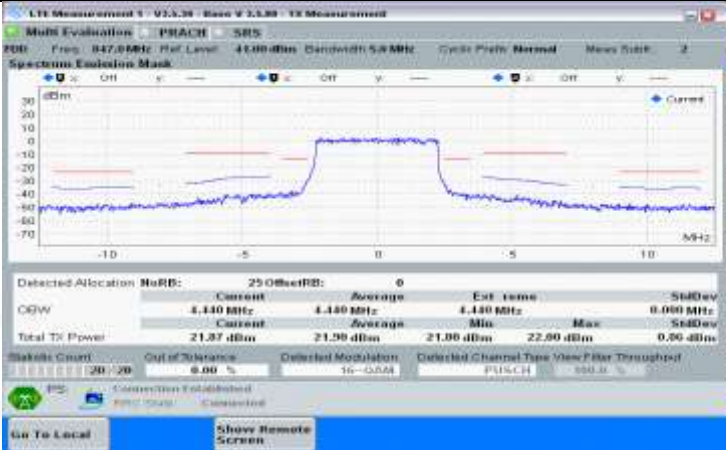
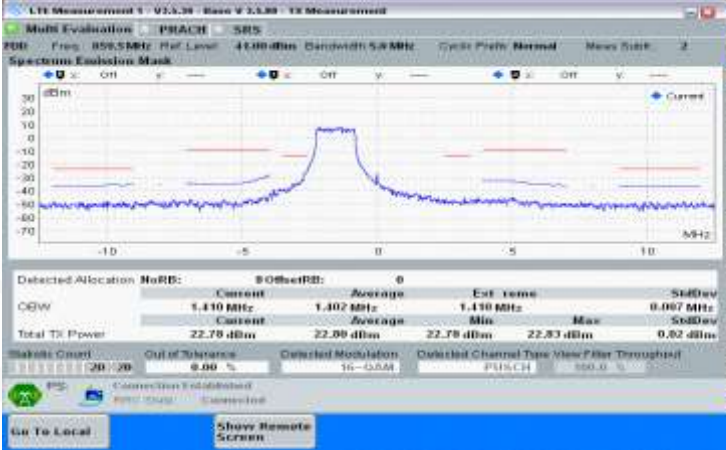
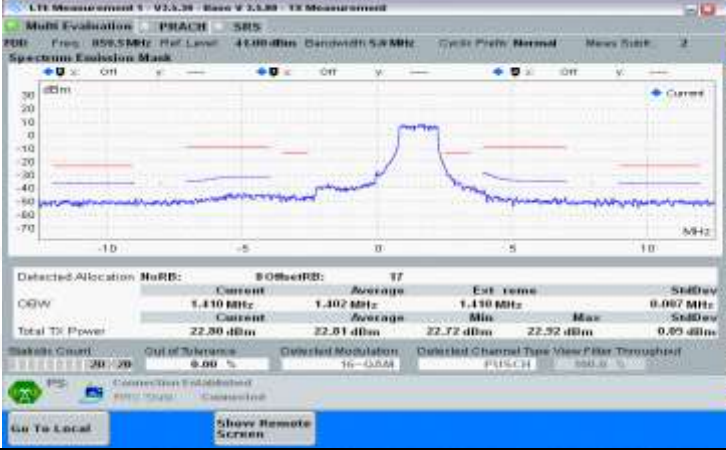
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0		

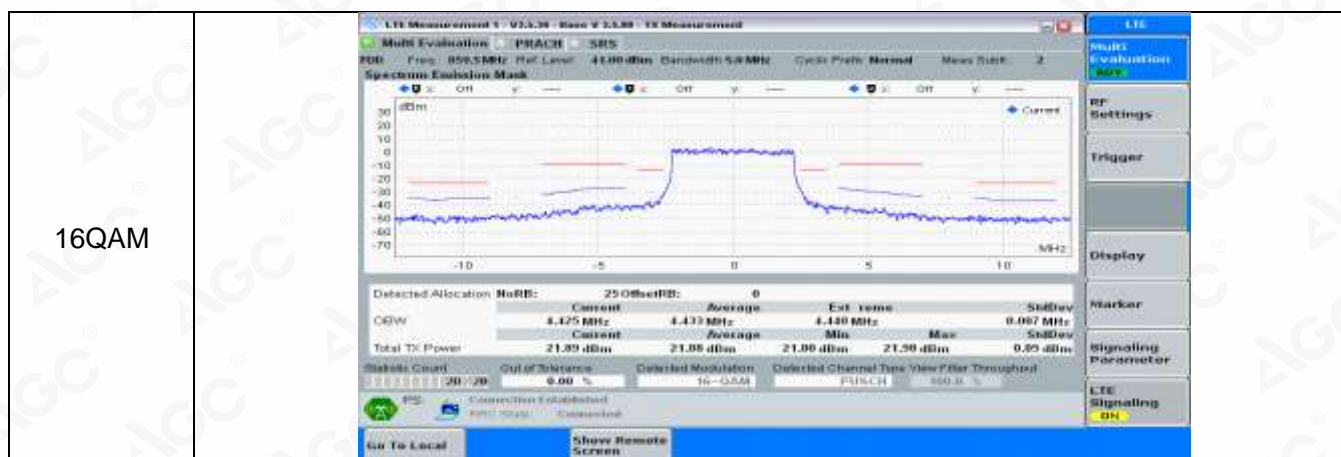
QPSK	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0</p>



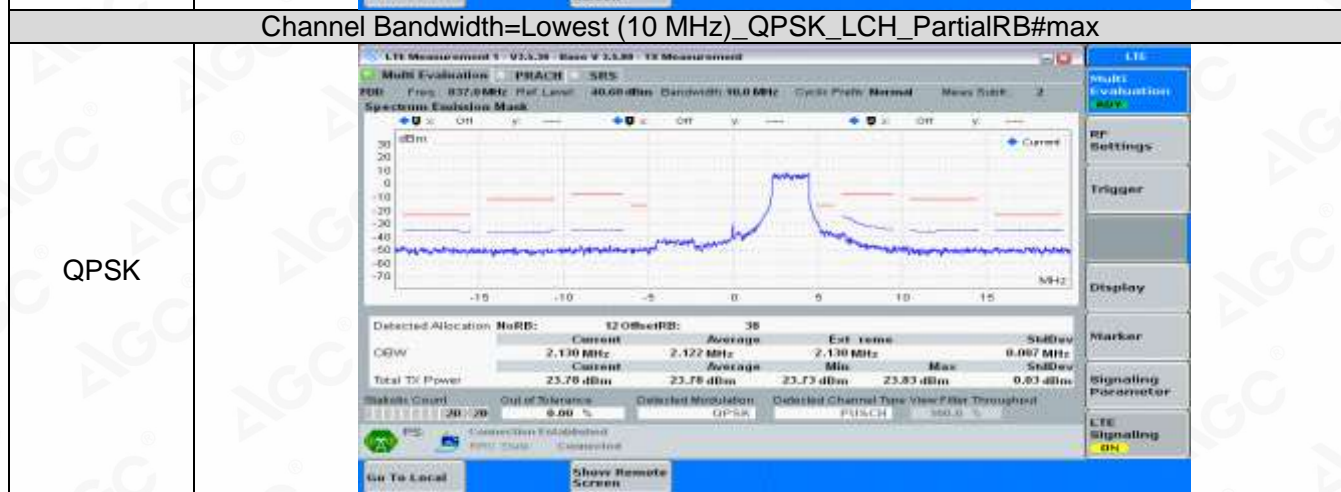
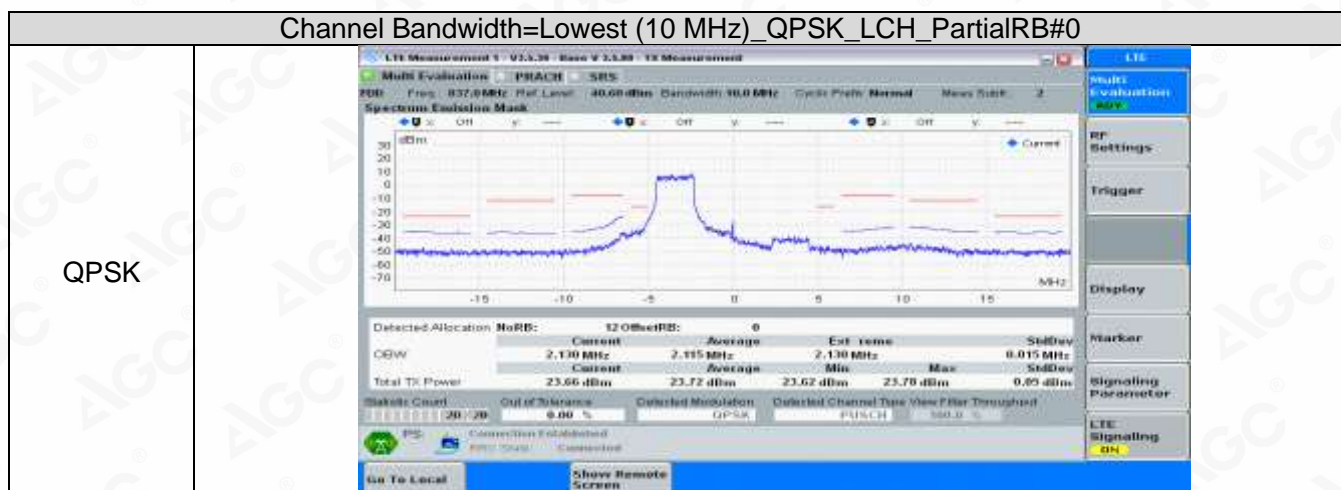
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_FullRB#0	



16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_HCH_FullRB#0		

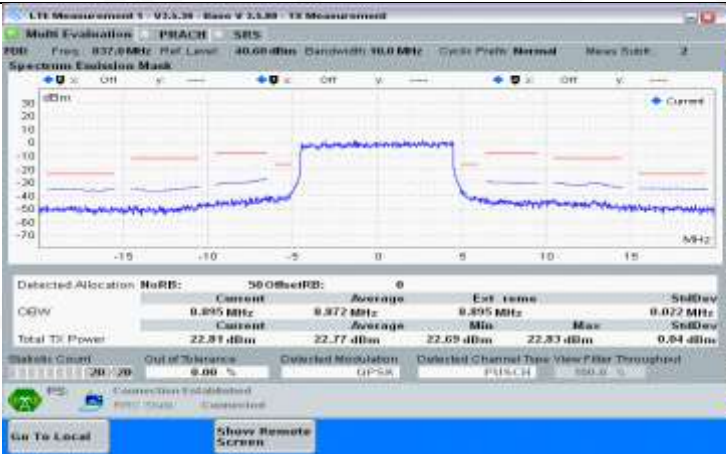
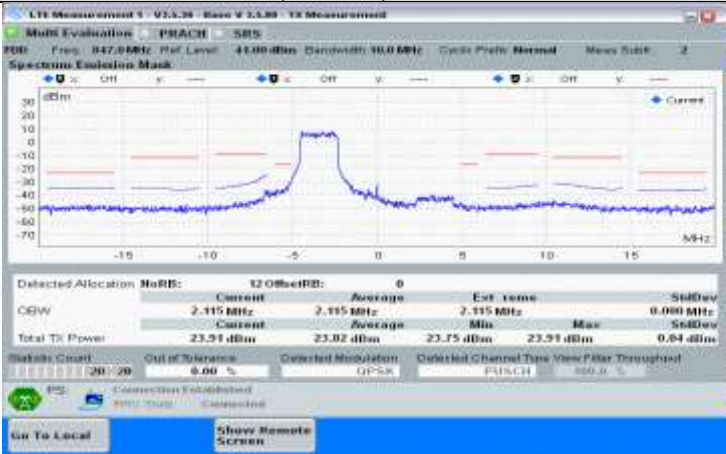
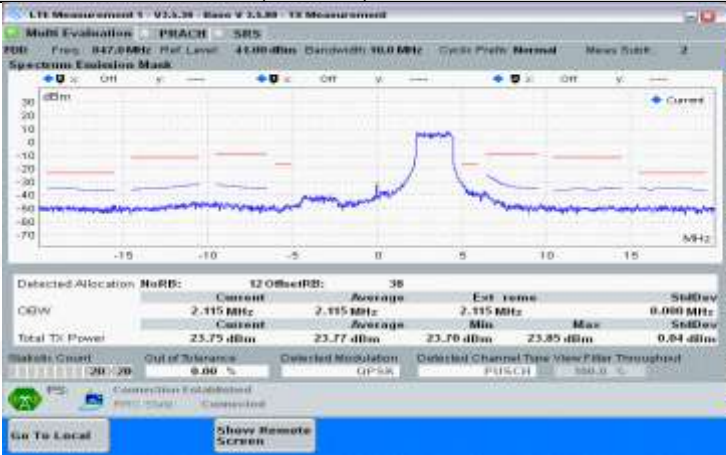


Channel Bandwidth= (10 MHz)

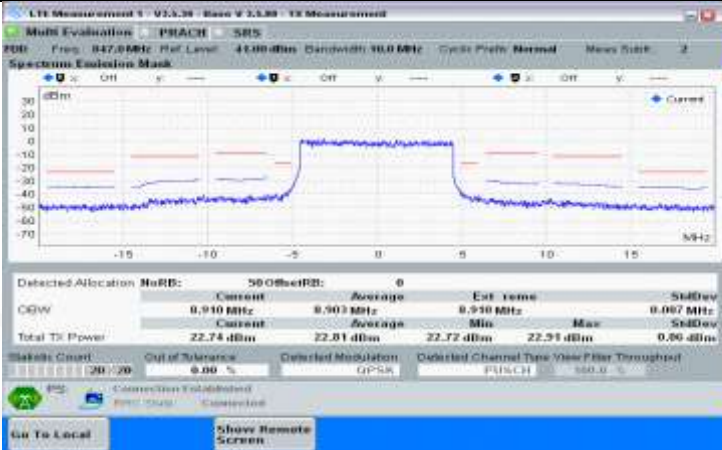
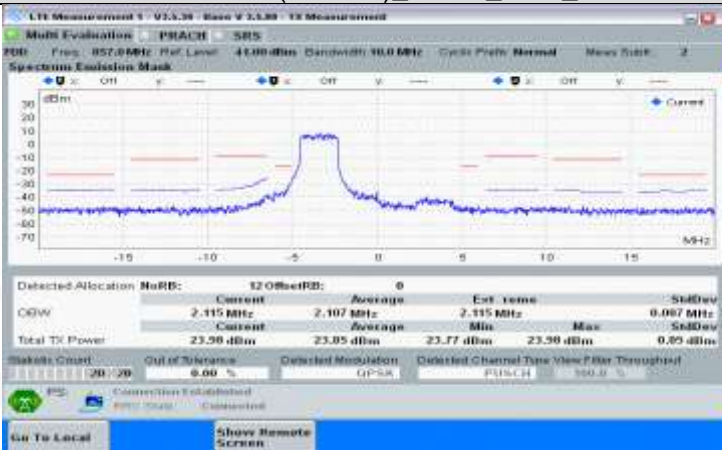
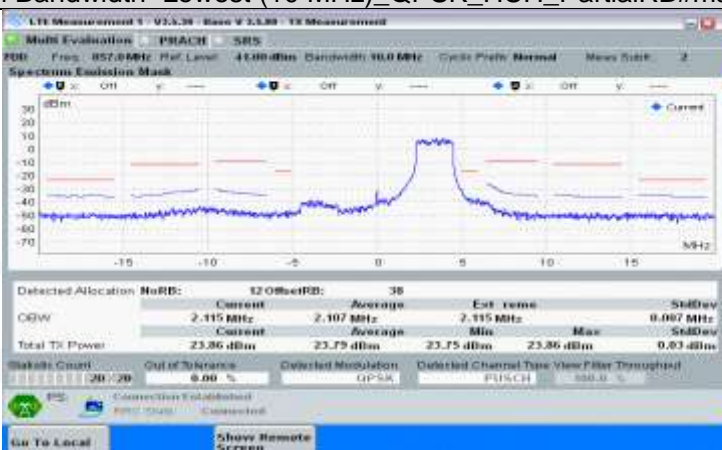


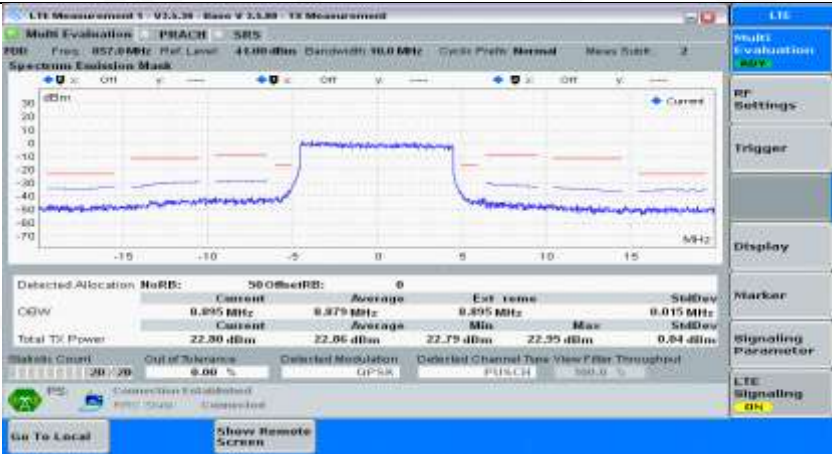
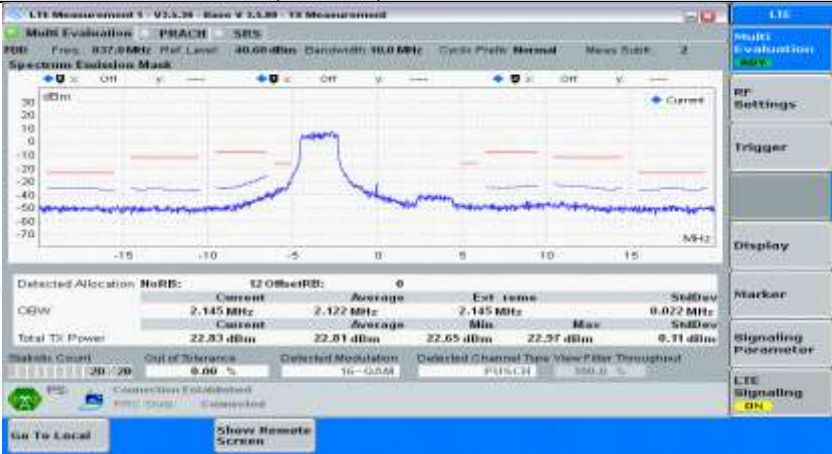
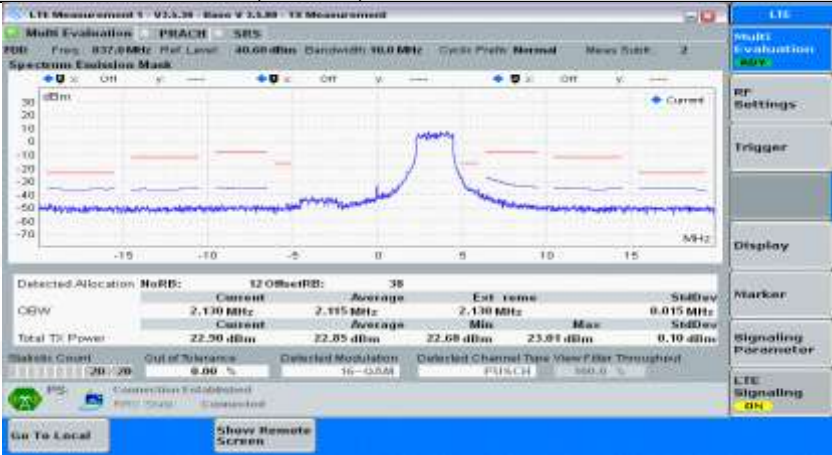
Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_FullRB#0



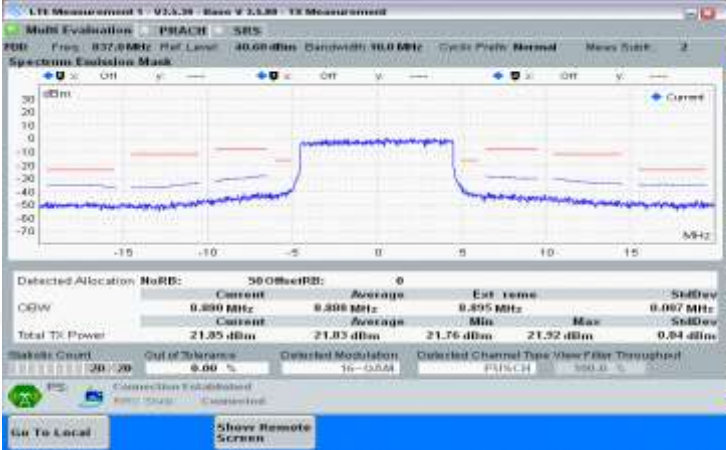
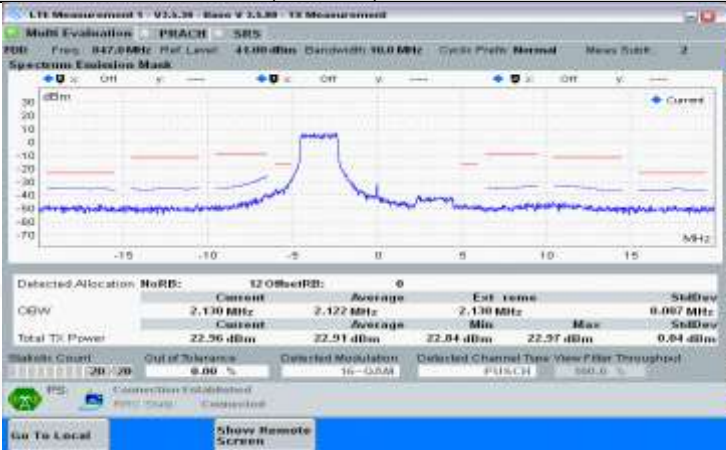
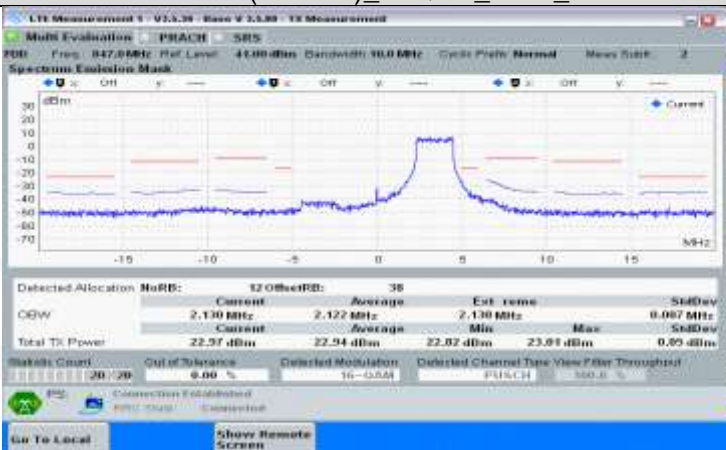
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Marker</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullRB#0		



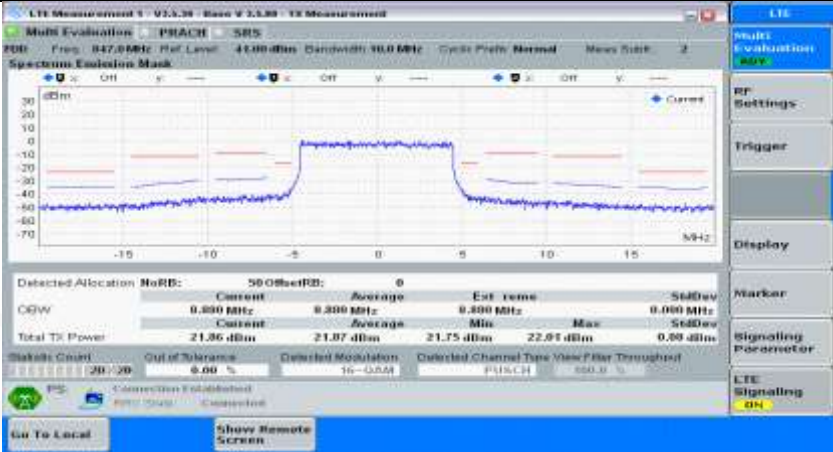
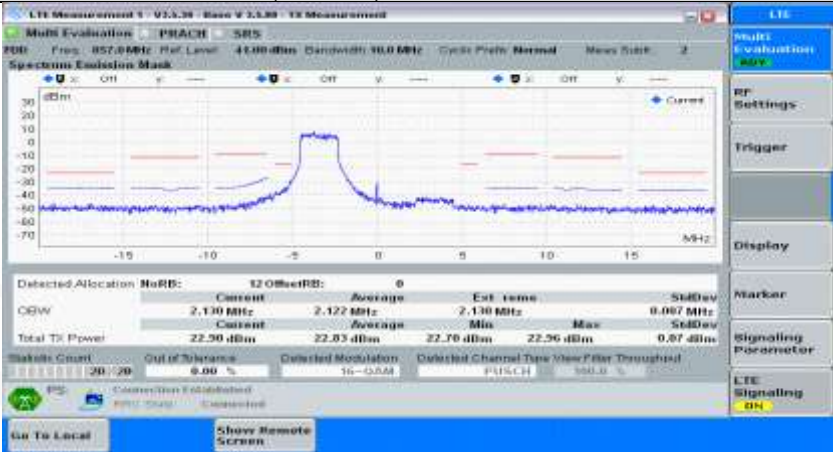
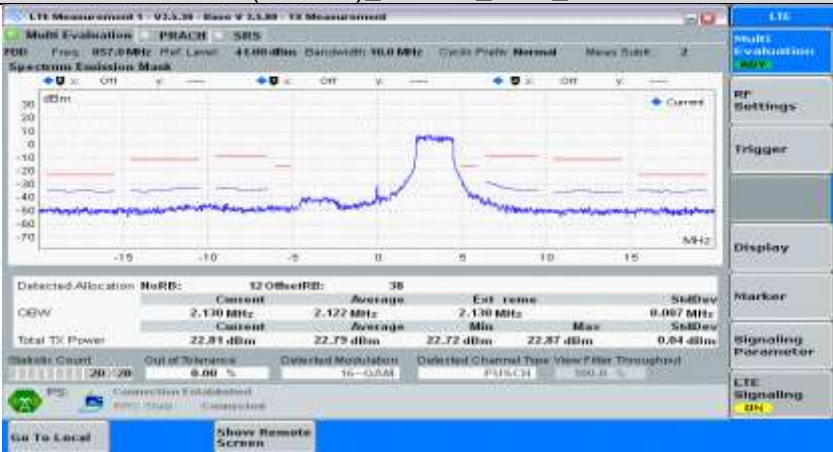
QPSK		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0		
QPSK		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0		

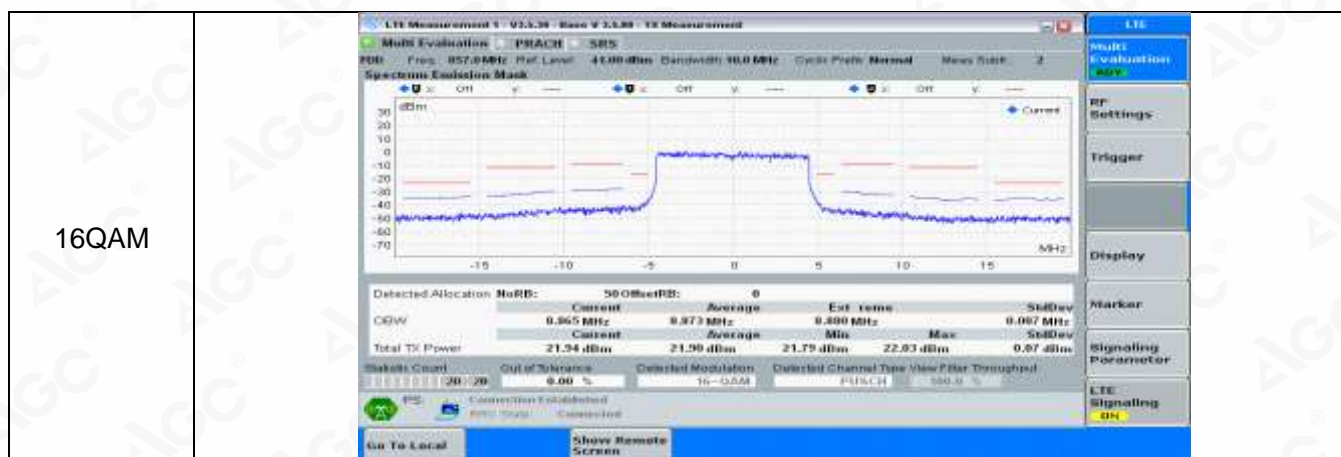
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>



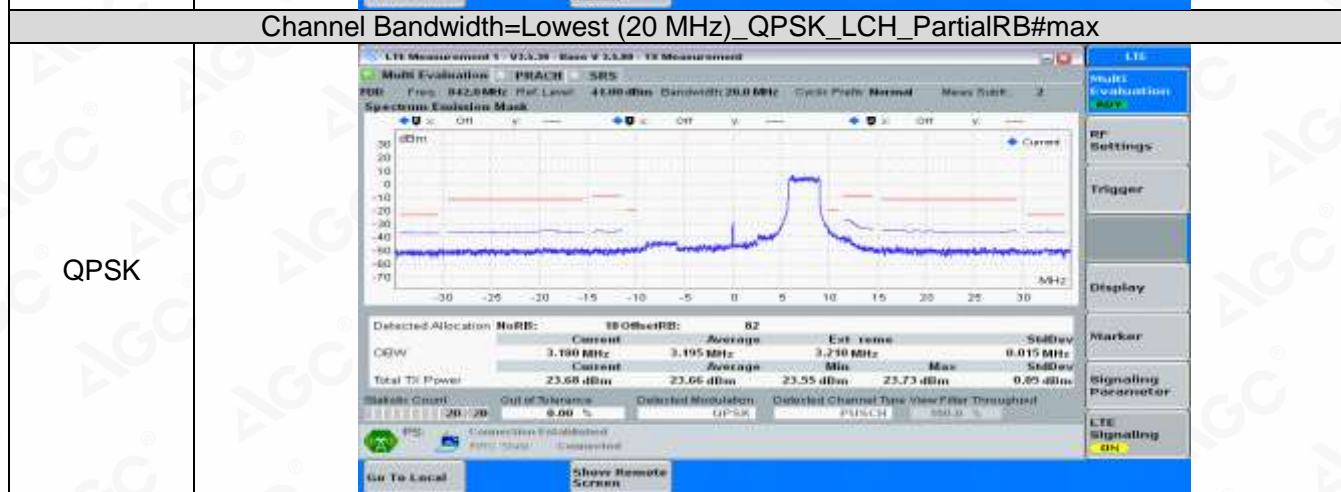
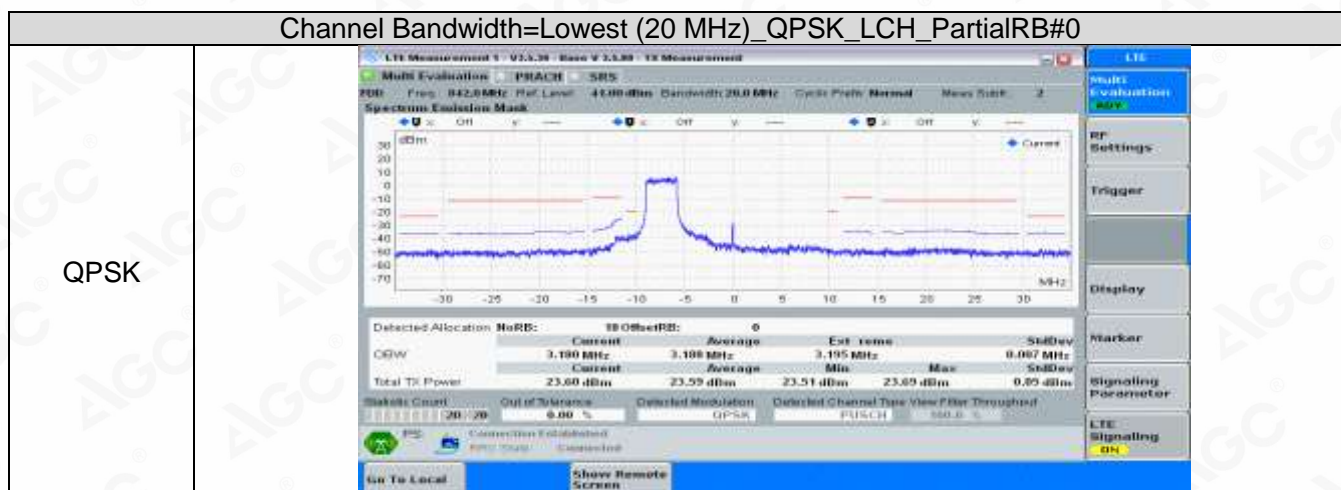
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger</p> <p>Display</p> <p>Marker</p> <p>Signaling Parameter</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0		



16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation: <b>Pass</b></p> <p>RF Settings:</p> <p>Trigger:</p> <p>Display:</p> <p>Marker:</p> <p>Signaling Parameter:</p> <p>LTE Signaling: <b>ON</b></p>
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_FullRB#0		

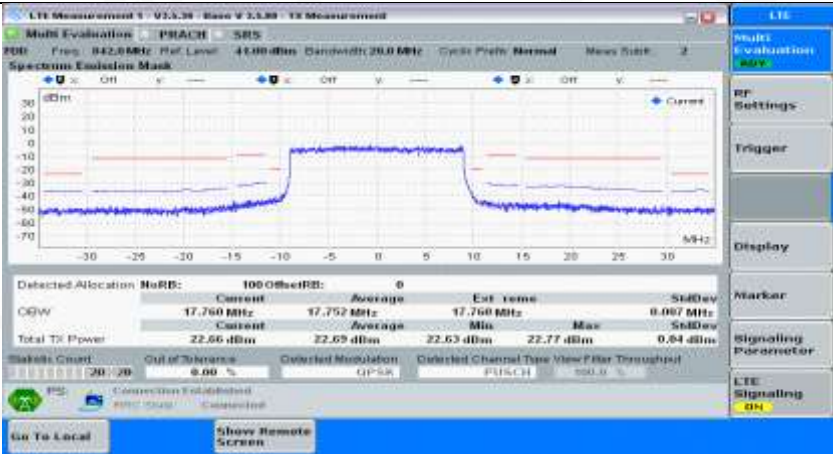
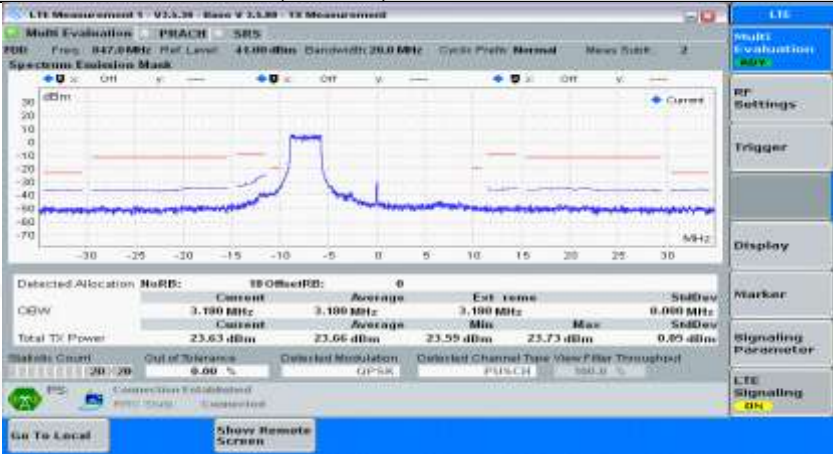
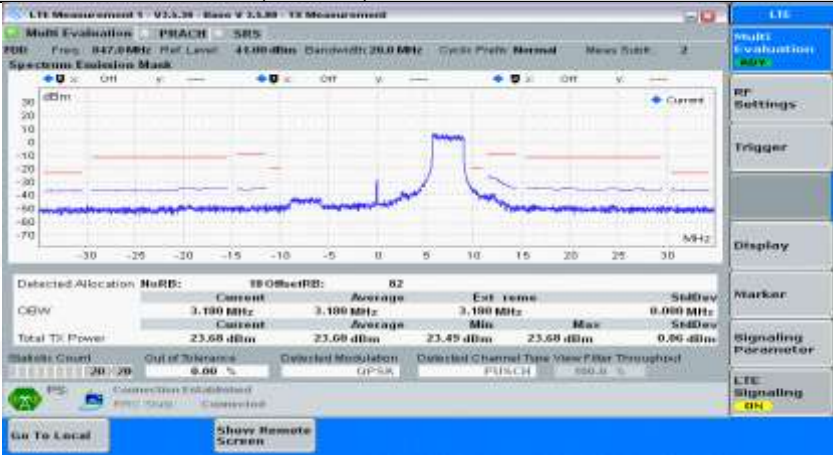


Channel Bandwidth=Highest (20 MHz)

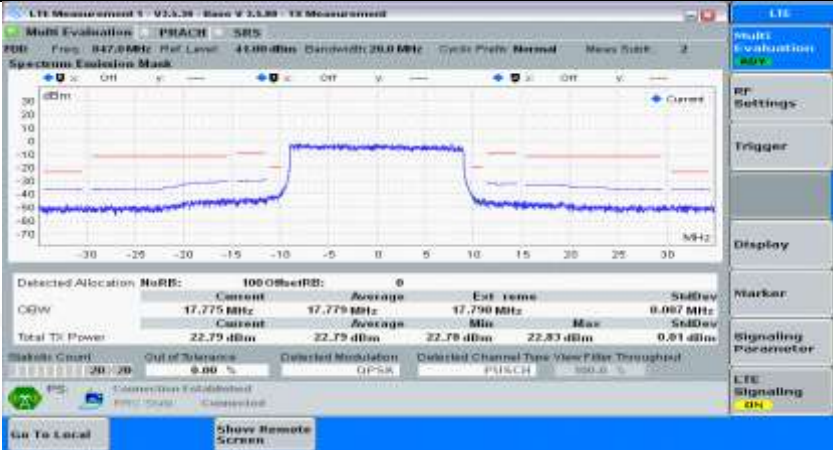
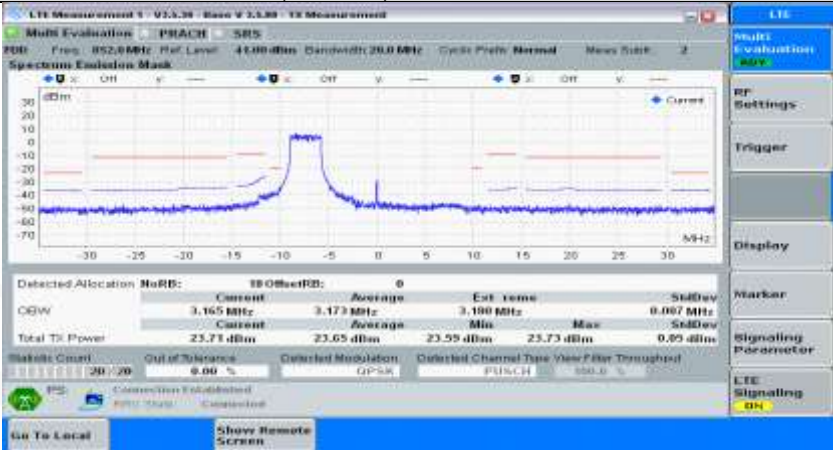
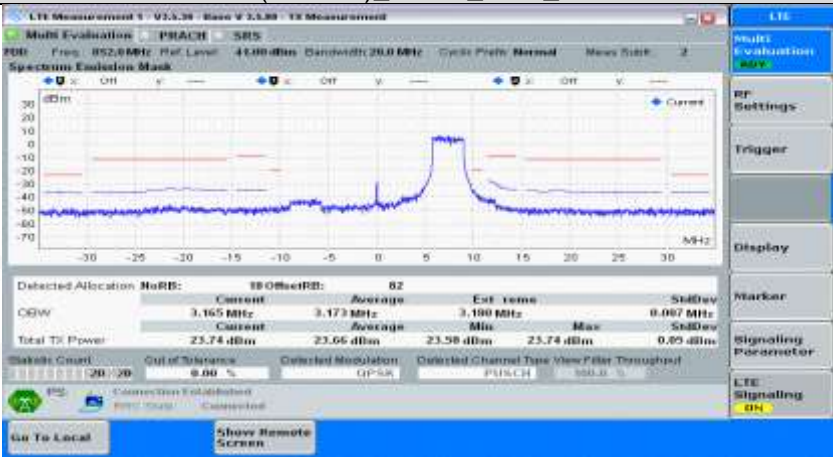


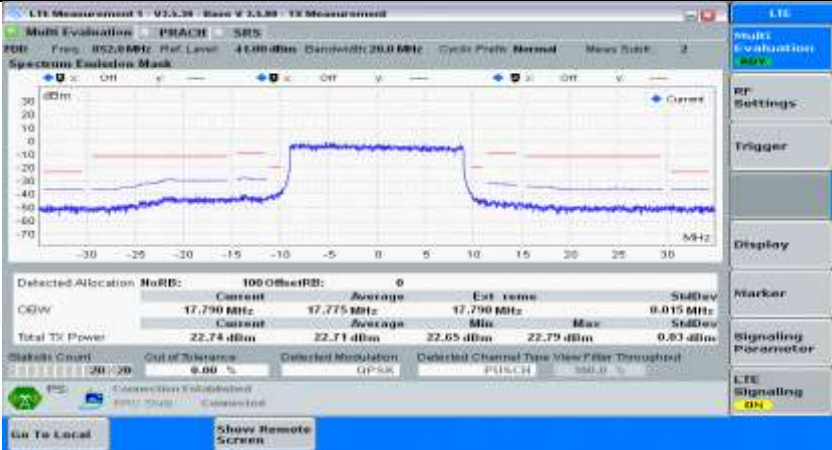
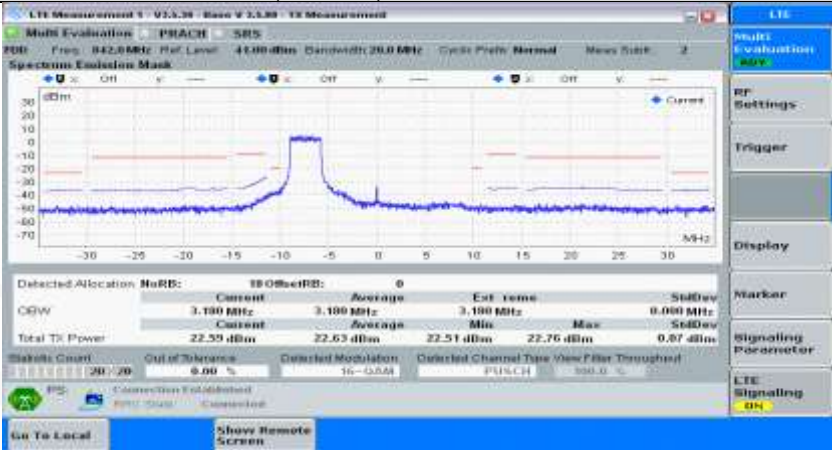
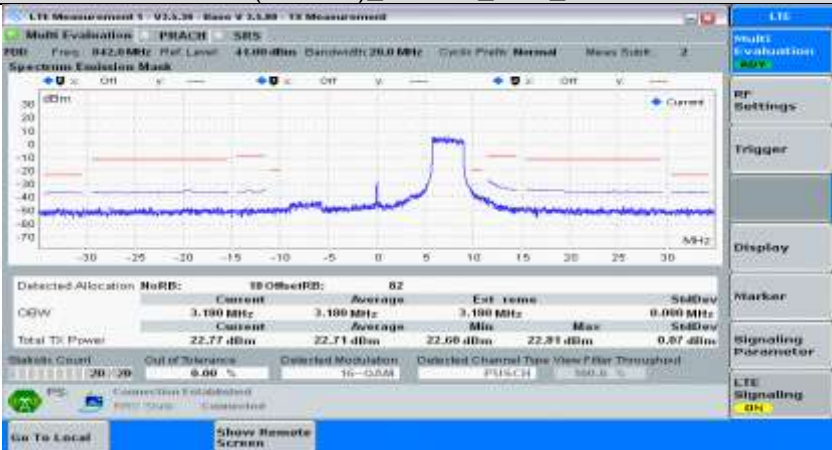
Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_FullRB#0



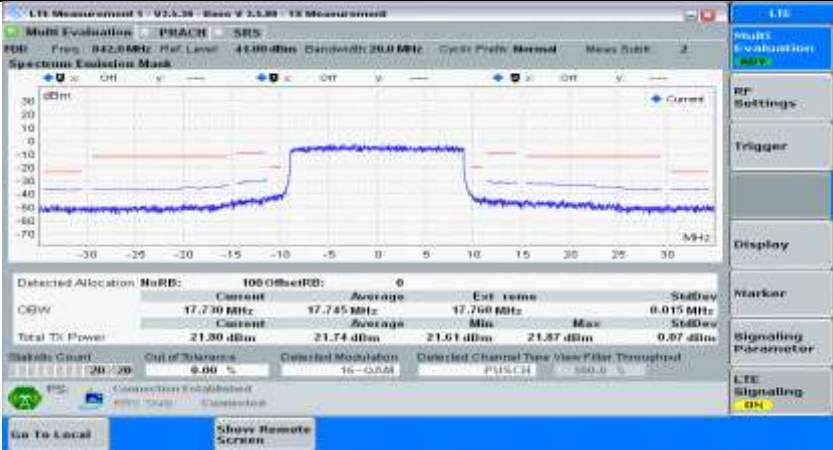
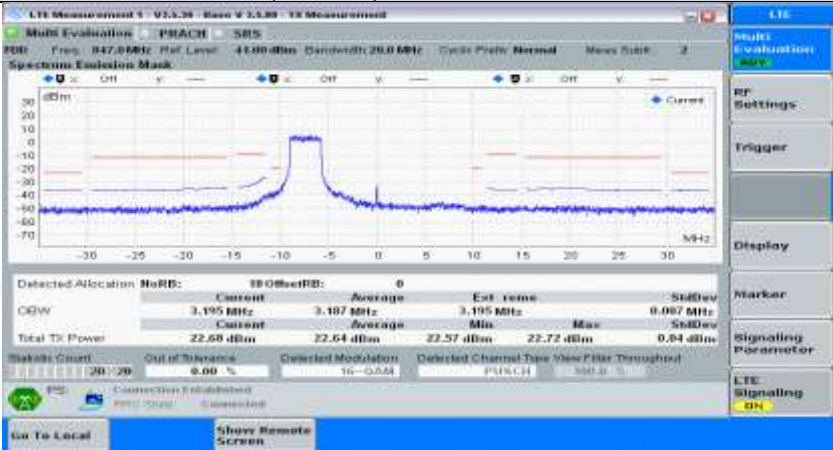
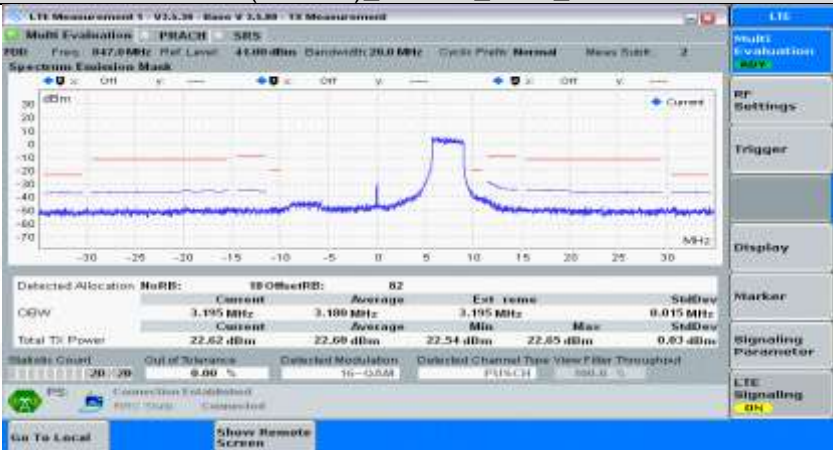
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#max	
QPSK	
Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_FullRB#0	



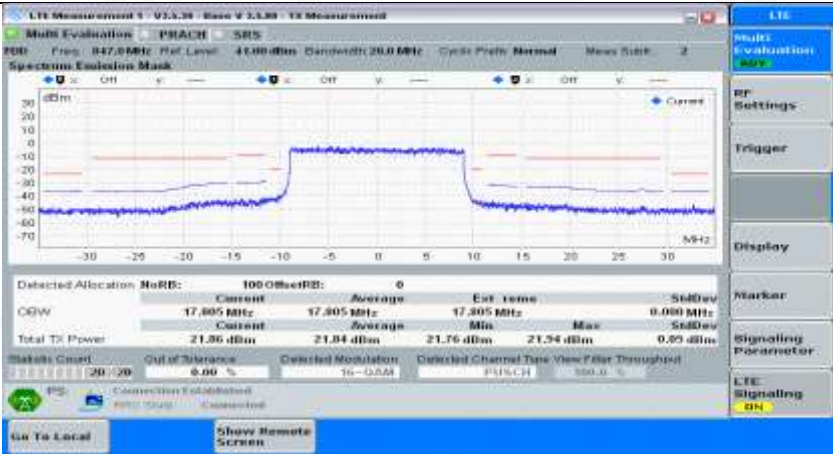
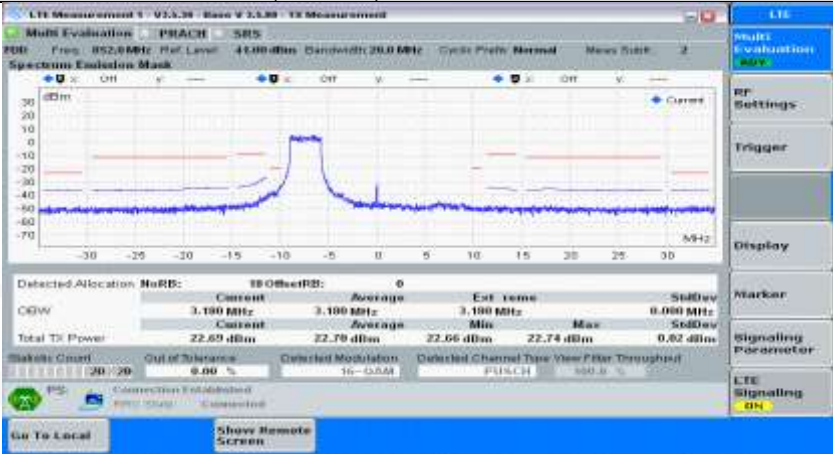
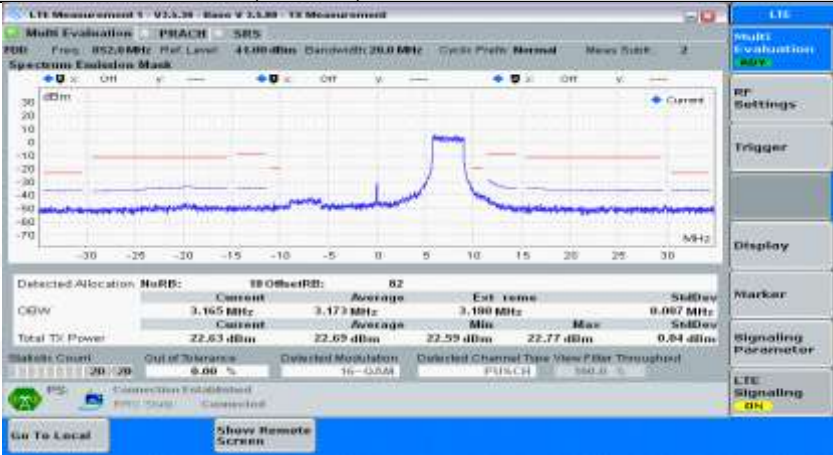
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullRB#0</p>

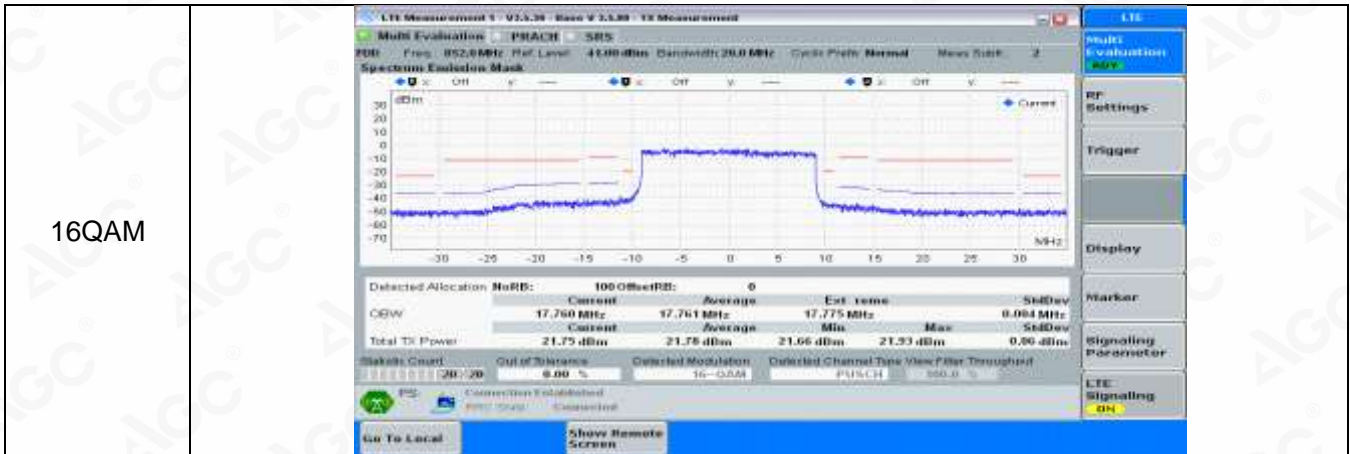
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>



16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0		
16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max		
16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0		



16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0		
16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max		
16QAM		
Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullRB#0		



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

#### 4. Transmitter Adjacent Channel Leakage Power Ratio(ACLR)

##### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)								
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict	
				RB Size	RB Offset			
Normal	QPSK	5 MHz	Low range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			Mid range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			High range	Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
			16QAM	Low range	Partial	0	PUMAX	Pass
						max	PUMAX	Pass
					Full	0	PUMAX	Pass
	Mid range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
				Full	0	PUMAX	Pass	
	High range			Partial	0	PUMAX	Pass	
					max	PUMAX	Pass	
			Full	0	PUMAX	Pass		

Channel Bandwidth= (10 MHz)

Channel Bandwidth= (10 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	10 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
	Full		0	PUMAX	Pass		
	16QAM		Low range	Partial	0	PUMAX	Pass



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118



				max	PUMAX	Pass
			Full	0	PUMAX	Pass
		Mid range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass
		High range	Partial	0	PUMAX	Pass
				max	PUMAX	Pass
			Full	0	PUMAX	Pass

### Channel Bandwidth=Highest (20 MHz)




Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
	16QAM		Low range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	Partial	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass




### Test Graphs

NTNV




### Channel Bandwidth=Lowest (5 MHz)




Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#0
---

QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullIRB#0		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#0		

QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_PartialRB#max		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullIRB#0		
QPSK		
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#0		



QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_PartialRB#max		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullIRB#0		
QPSK		<div>LTE</div> <div>Multi Evaluation</div> <div>RF Settings</div> <div>Trigger</div> <div>Display</div> <div>Signaling Parameter</div> <div>LTE Signaling</div>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#0		

16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_PartialRB#max		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_LCH_FullRB#0		
16QAM		<p>LTE</p> <p>Multi Evaluation</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling</p>
Channel Bandwidth=Lowest (5 MHz)_16QAM_MCH_PartialRB#0		

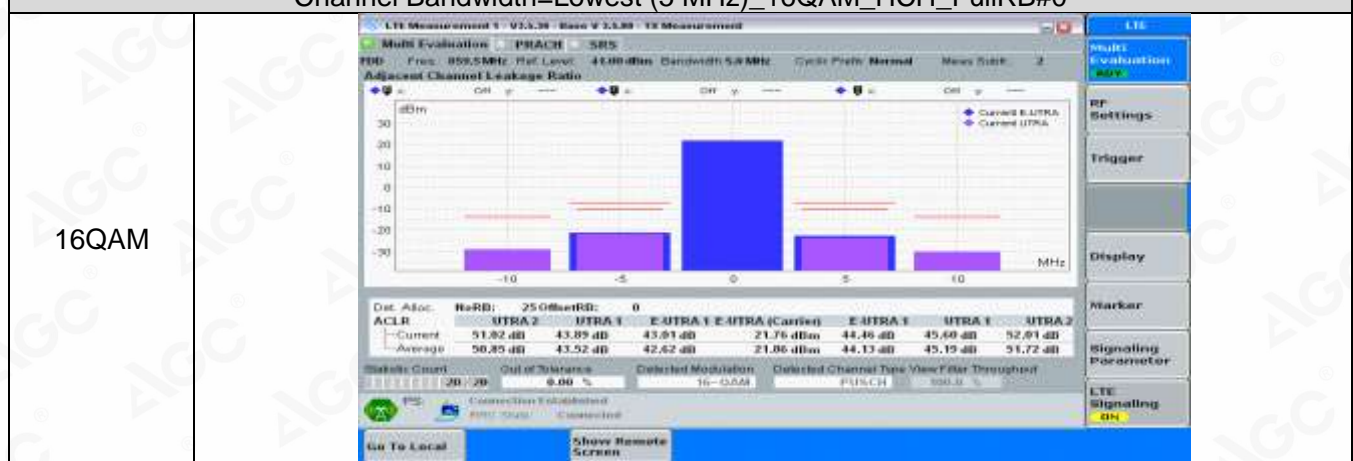
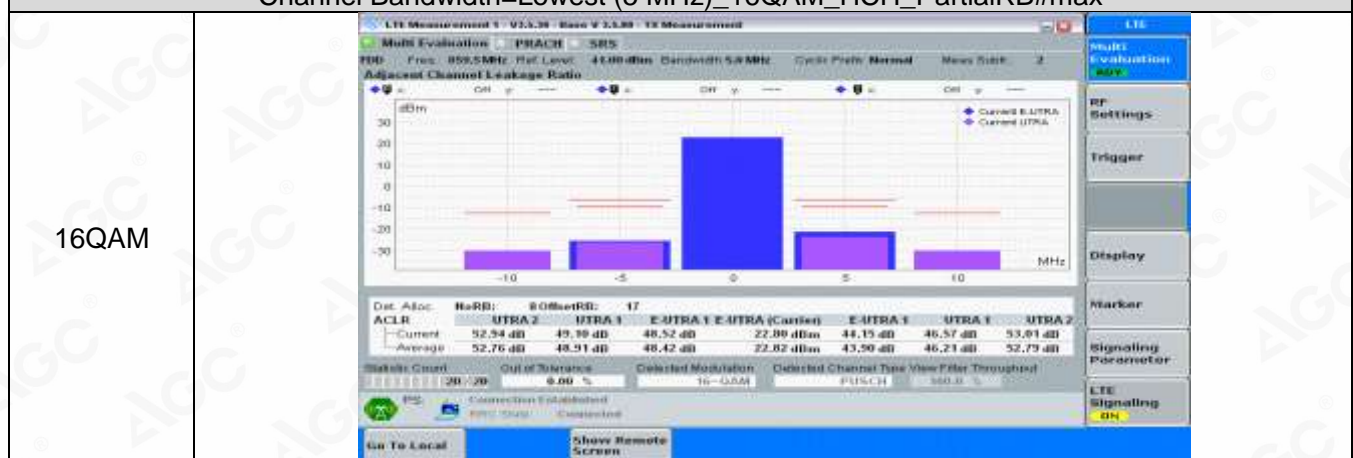
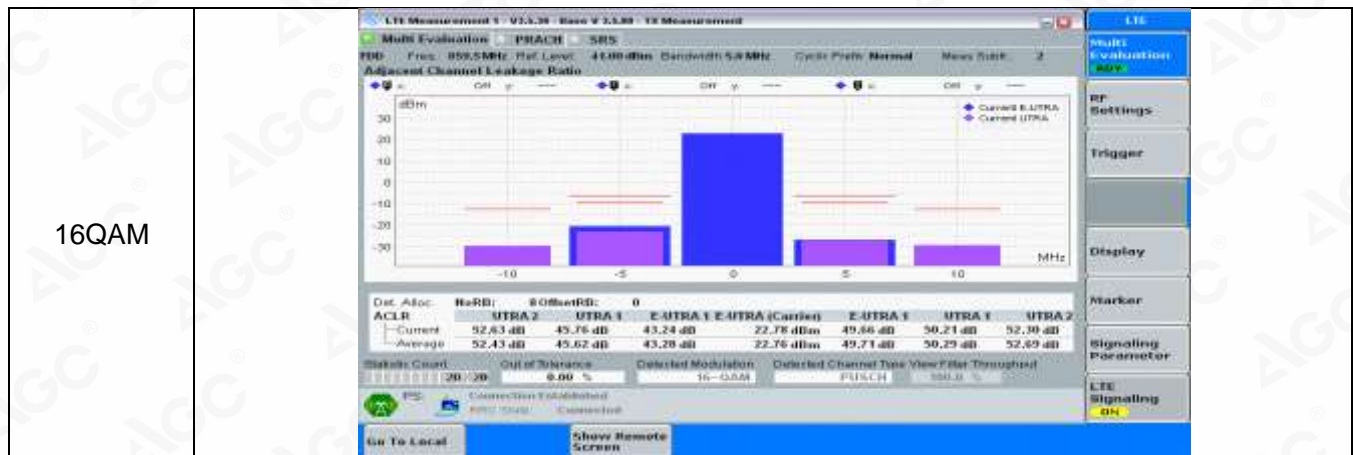


Channel Bandwidth=Lowest (5 MHz)\_16QAM\_MCH\_PartialRB#max

Channel Bandwidth=Lowest (5 MHz)\_16QAM\_MCH\_FullRB#0




Channel Bandwidth=Lowest (5 MHz)\_16QAM\_HCH\_PartialRB#0







Channel Bandwidth=(10 MHz)




Channel Bandwidth=Lowest (10 MHz)\_QPSK\_LCH\_PartialRB#0




QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_LCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#0</p>






QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_MCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#0</p>



QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#0</p>

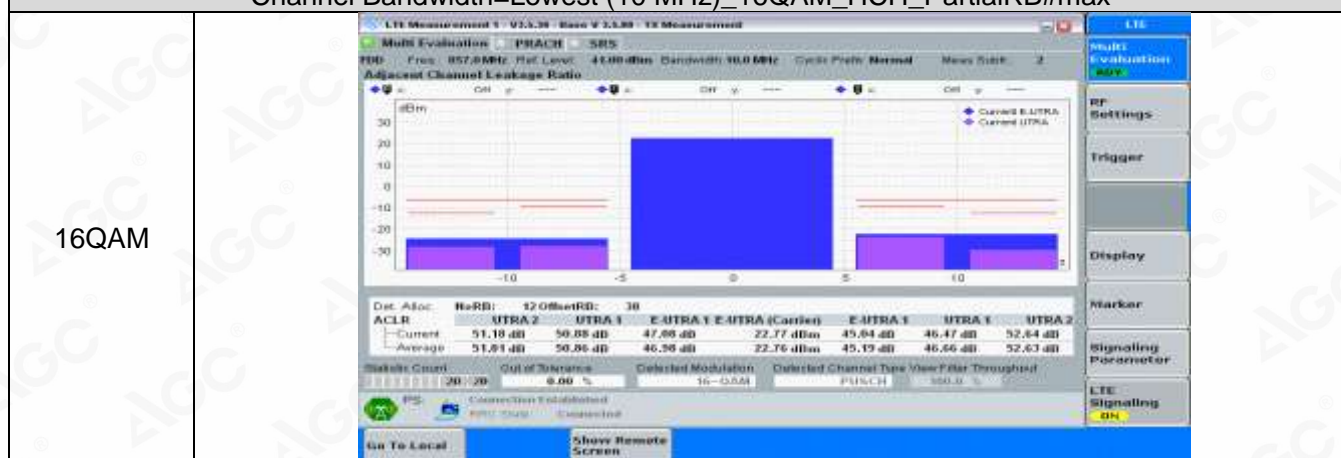


16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_PartialRB#max	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_MCH_FullRB#0	
16QAM	
Channel Bandwidth=Lowest (10 MHz)_16QAM_HCH_PartialRB#0	

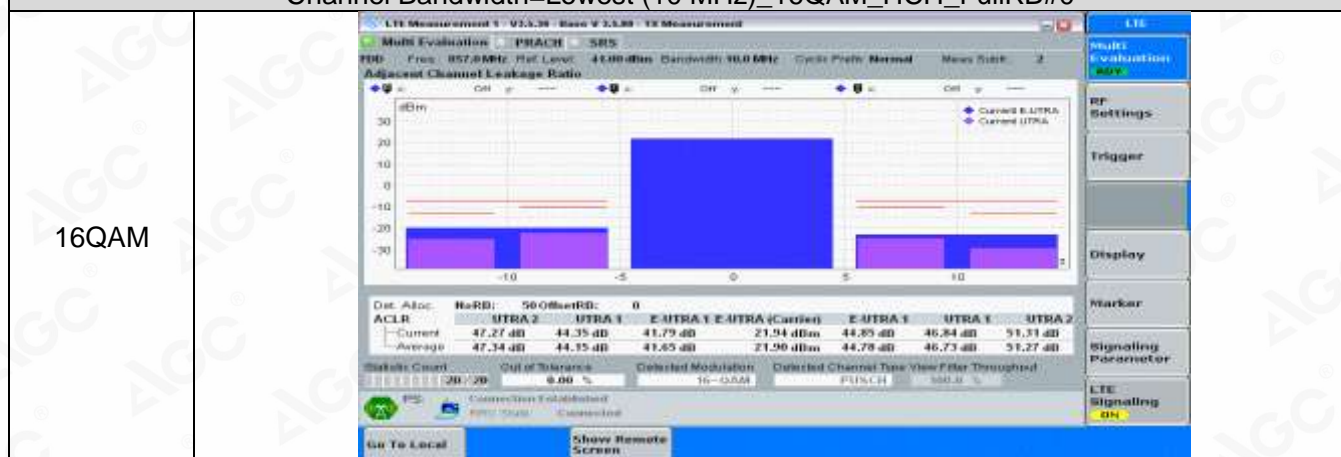




Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_PartialRB#max






Channel Bandwidth=Lowest (10 MHz)\_16QAM\_HCH\_FullRB#0



Channel Bandwidth=Highest (20 MHz)


Channel Bandwidth=Lowest (20 MHz)\_QPSK\_LCH\_PartialRB#0




QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_LCH_FullRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_MCH_PartialRB#0</p>












QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_PartialRB#max</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_QPSK_HCH_FullIRB#0</p>
QPSK	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#0</p>

16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_LCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_MCH_FullRB#0</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#0</p>



16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_PartialRB#max</p>
16QAM	 <p>Channel Bandwidth=Lowest (20 MHz)_16QAM_HCH_FullIRB#0</p>
16QAM	

## 5. Transmitter Spurious Emissions

### Test Result

NTNV

Channel Bandwidth=Lowest (5 MHz)

Channel Bandwidth=Lowest (5 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	5 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

Channel Bandwidth=Highest (20 MHz)

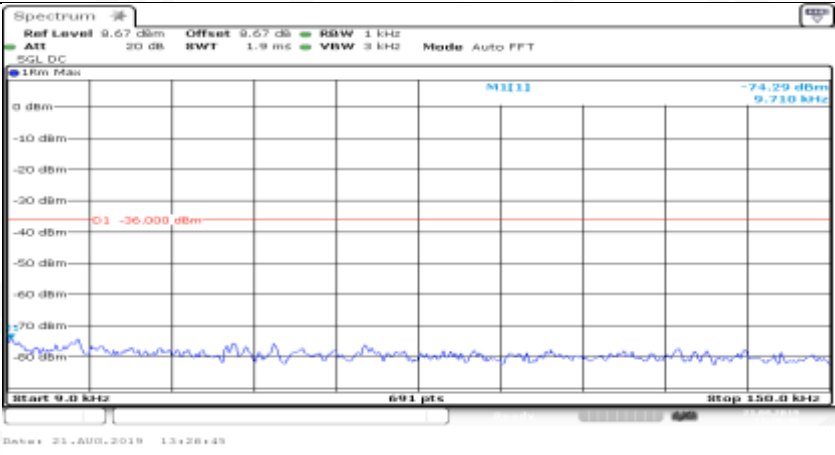
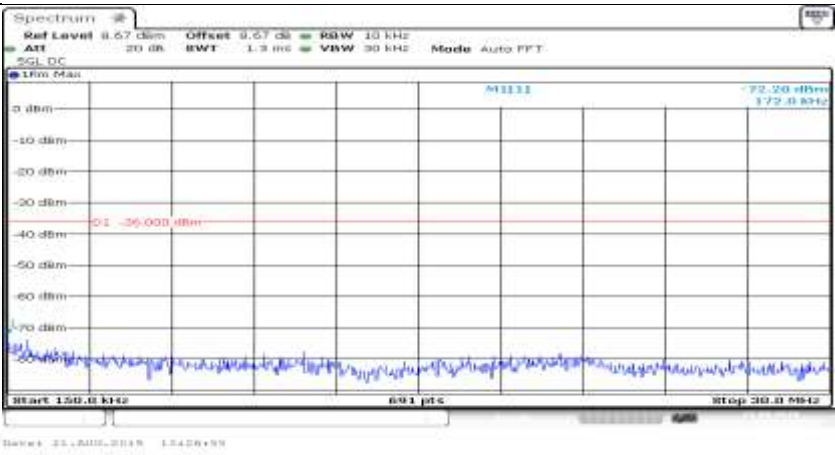
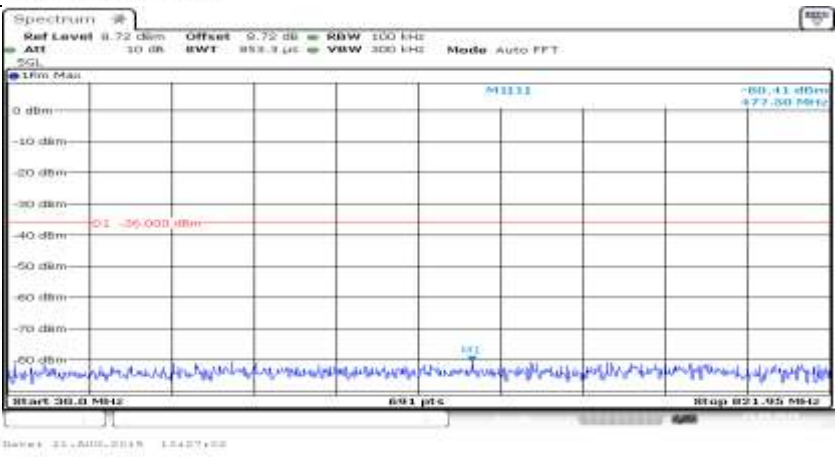
Channel Bandwidth=Highest (20 MHz)							
Condition	Modulation	Channel Bandwidth	Channel	RB allocation		UE output power	Verdict
				RB Size	RB Offset		
Normal	QPSK	20 MHz	Low range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			Mid range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass
			High range	1	0	PUMAX	Pass
					max	PUMAX	Pass
				Full	0	PUMAX	Pass

### Test Graphs

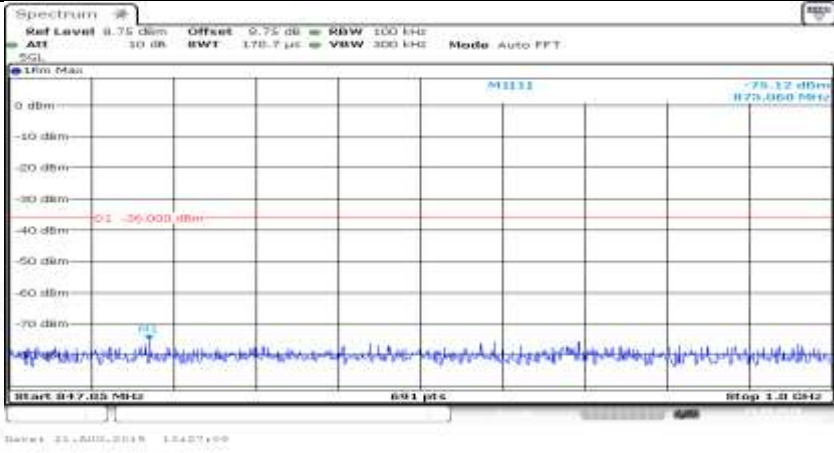
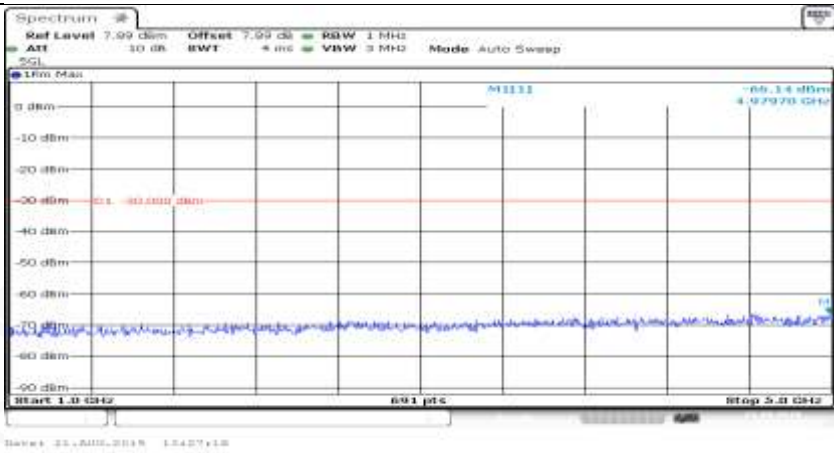
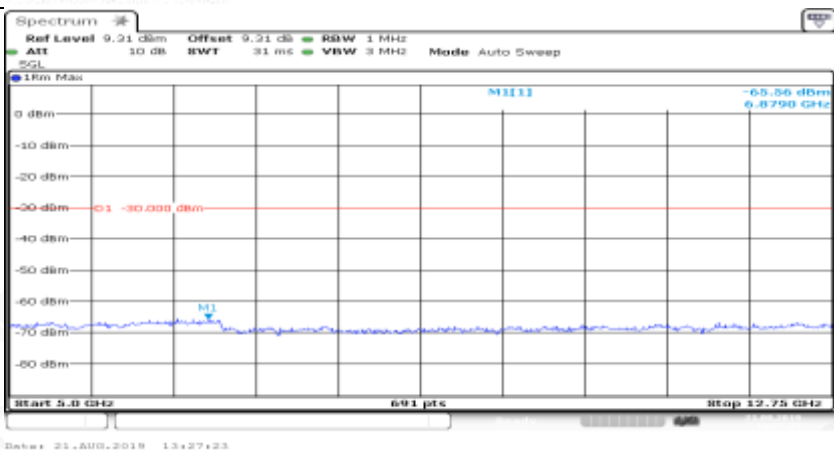
NTNV

Channel Bandwidth=Lowest (5 MHz)

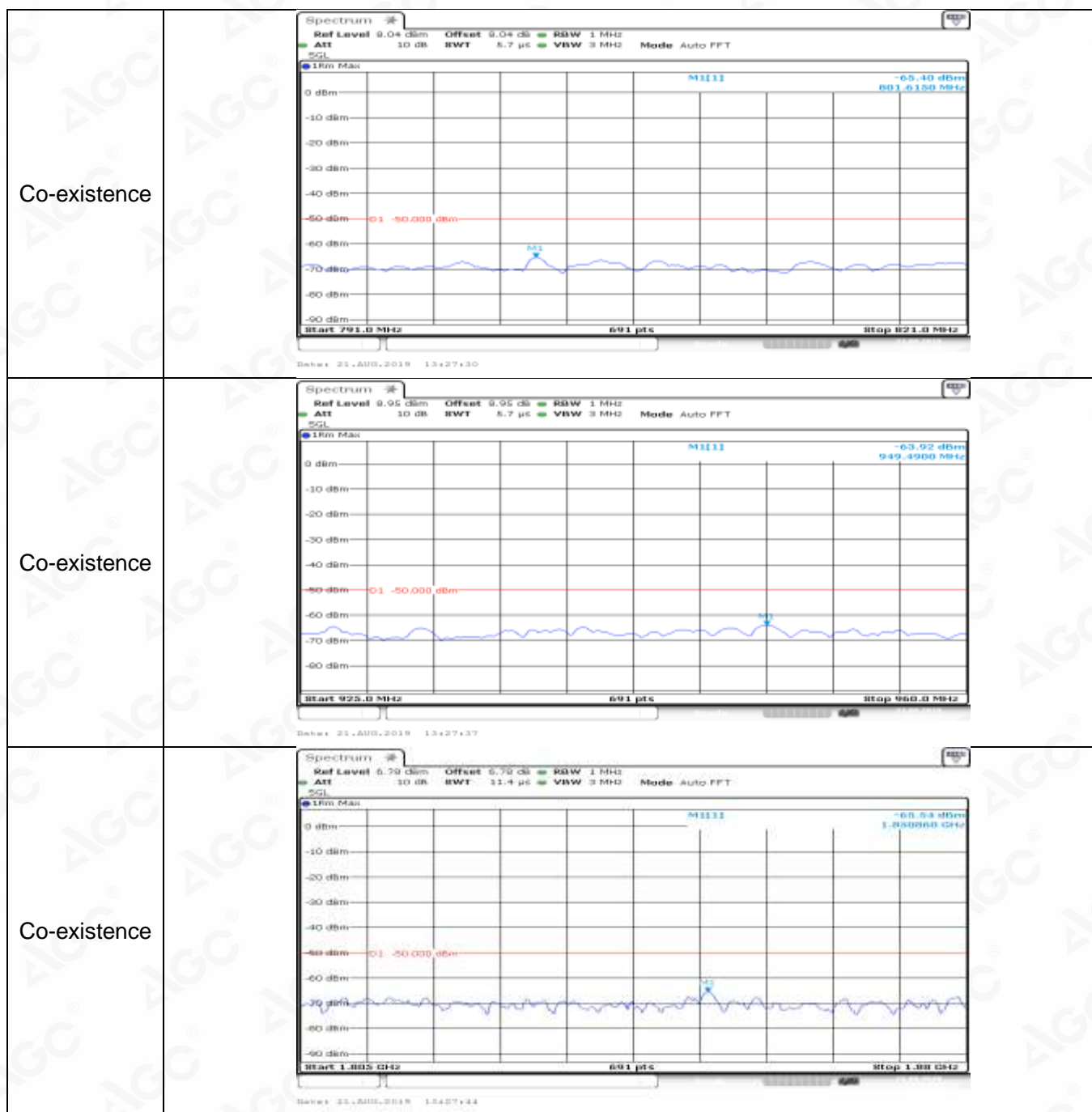
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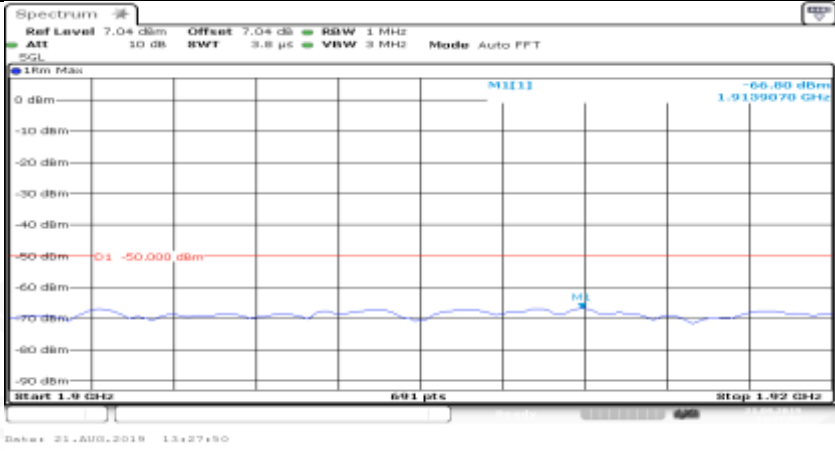
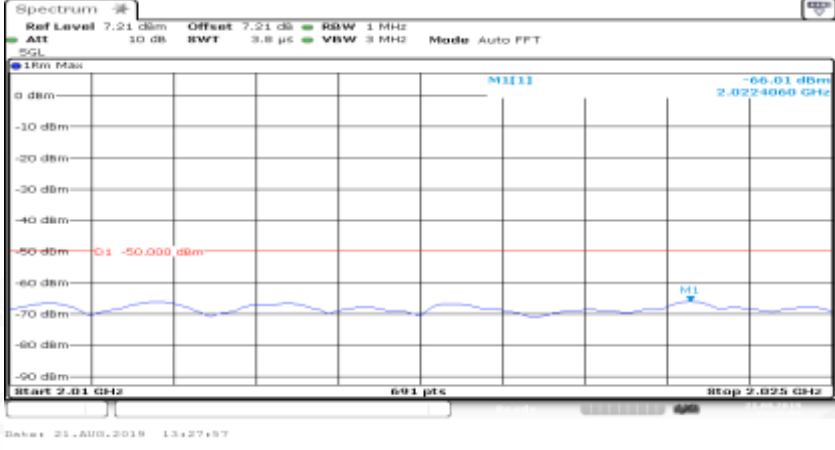
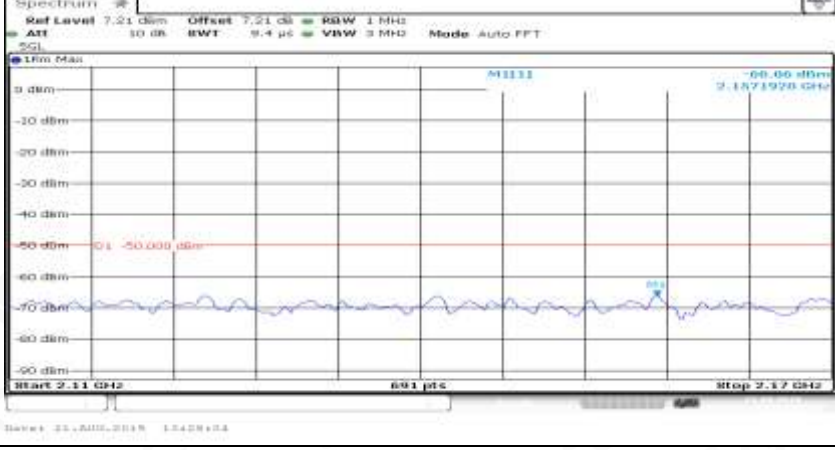
General	
General	
General	



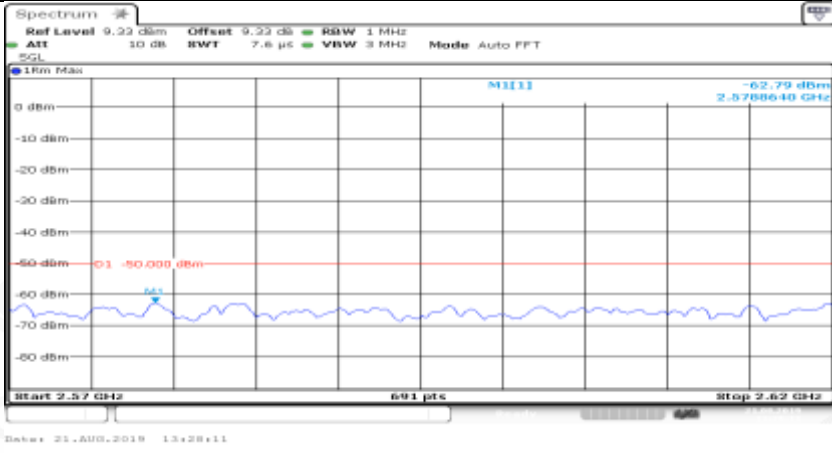
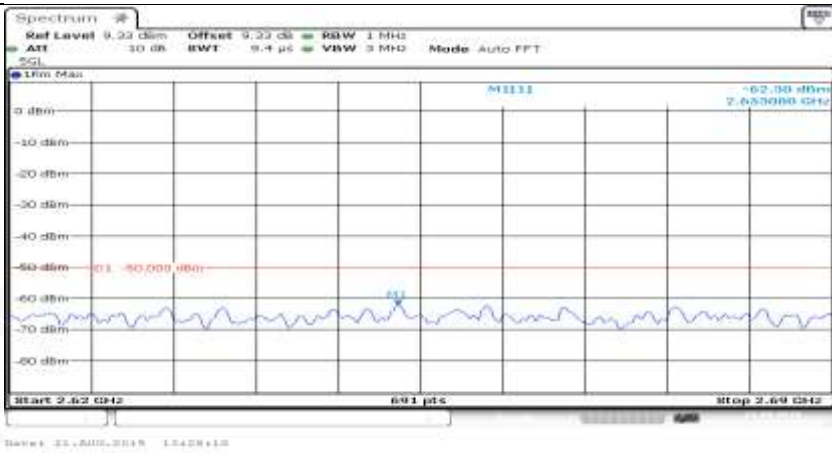
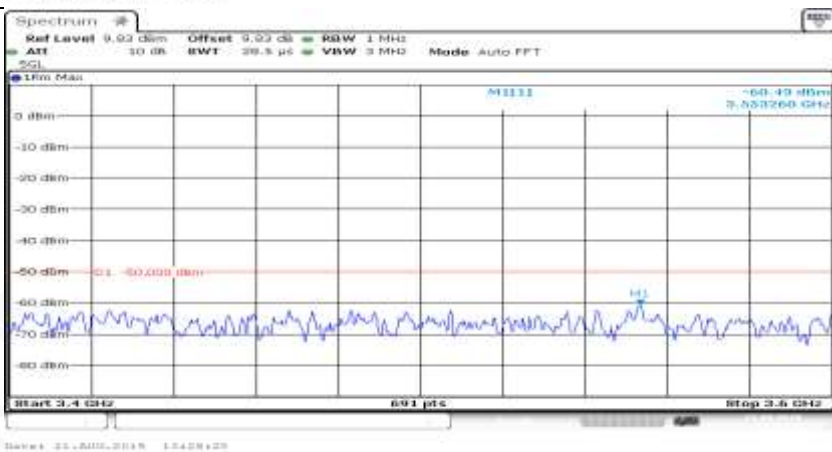
General	
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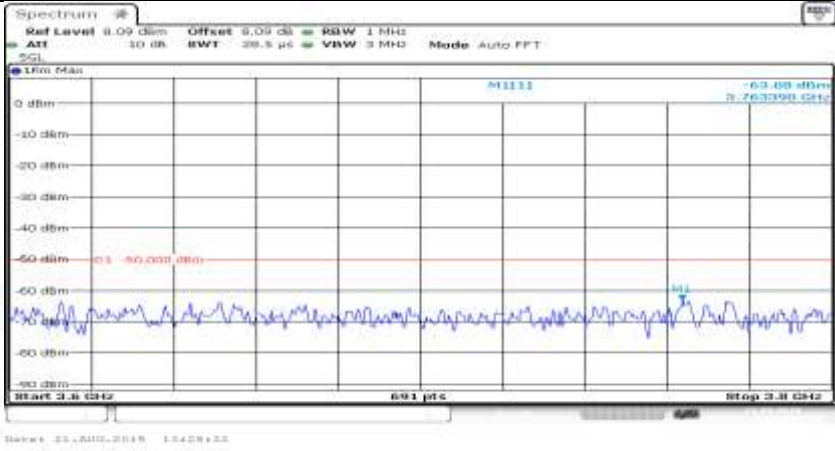


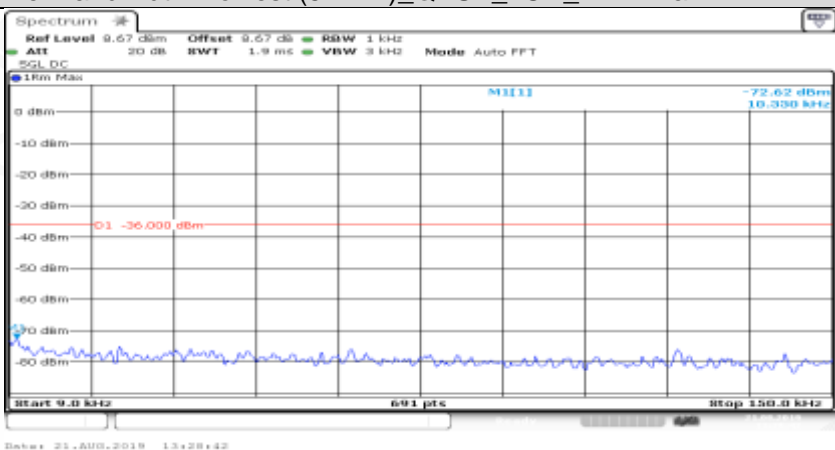
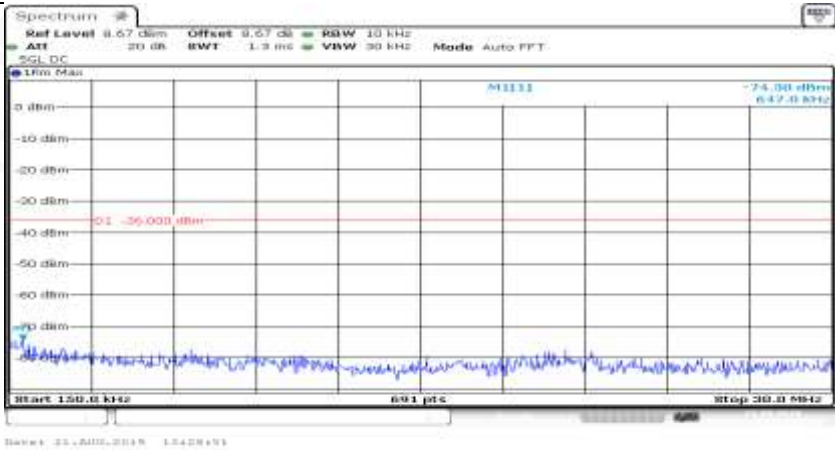


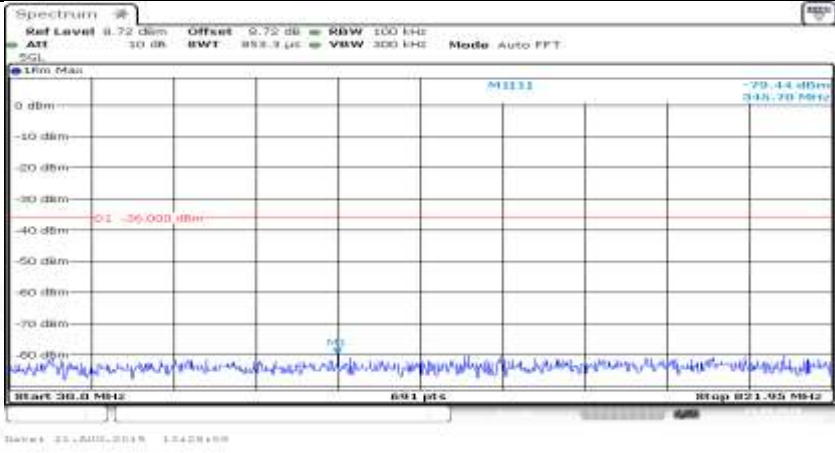
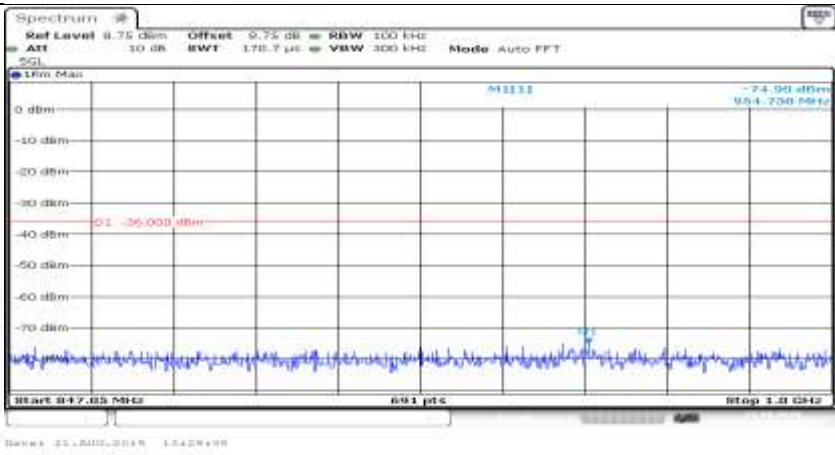
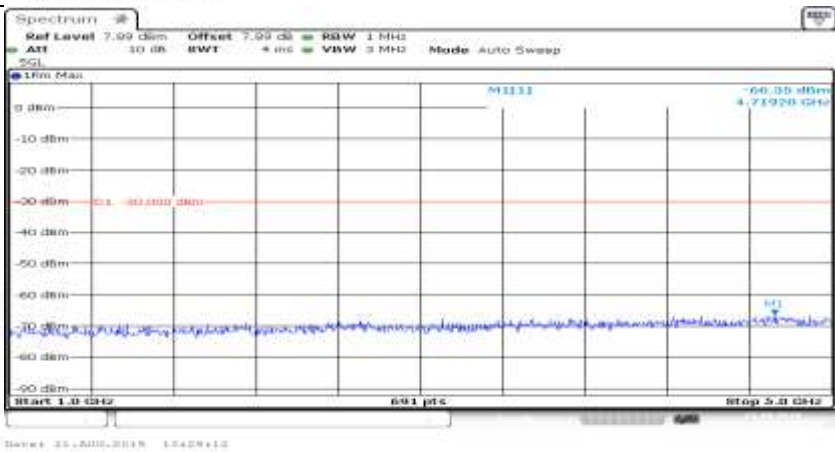
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz</p> <p>ATT 10 dB BW 3.8 µs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 1.9 GHz</p> <p>691 pts</p> <p>Stop 1.92 GHz</p> <p>1.9139070 GHz</p> <p>-66.80 dBm</p> <p>-50.000 dBm</p> <p>1.9139070 GHz</p> <p>21.AUG.2019 13:27:50</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 3.8 µs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 2.0 GHz</p> <p>691 pts</p> <p>Stop 2.025 GHz</p> <p>2.0224060 GHz</p> <p>-66.01 dBm</p> <p>-50.000 dBm</p> <p>2.0224060 GHz</p> <p>21.AUG.2019 13:27:57</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.21 dBm Offset 7.21 dB BW 1 MHz</p> <p>ATT 10 dB BW 3.8 µs VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>-90 dBm</p> <p>Start 2.1 GHz</p> <p>691 pts</p> <p>Stop 2.17 GHz</p> <p>2.1871920 GHz</p> <p>-66.05 dBm</p> <p>-50.000 dBm</p> <p>2.1871920 GHz</p> <p>21.AUG.2019 13:28:04</p>



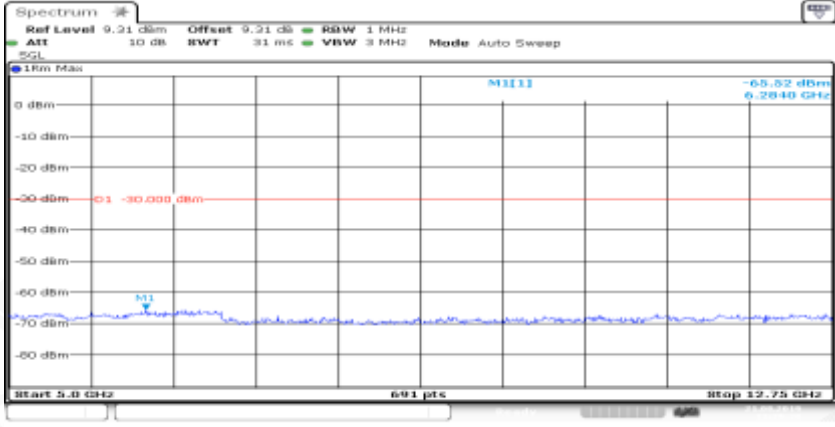
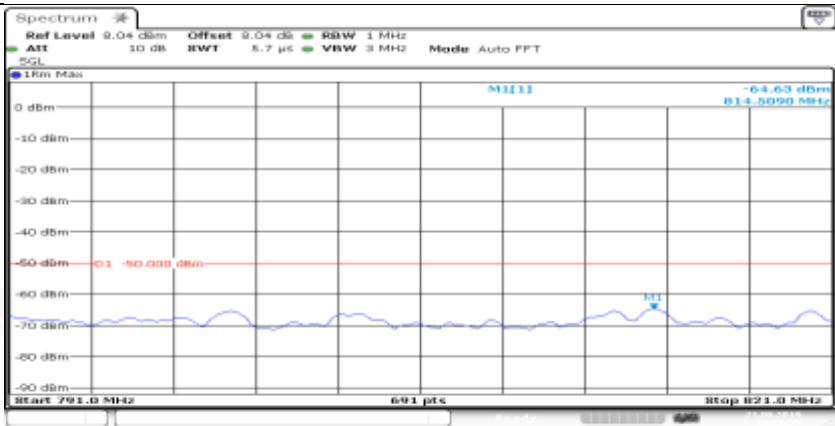
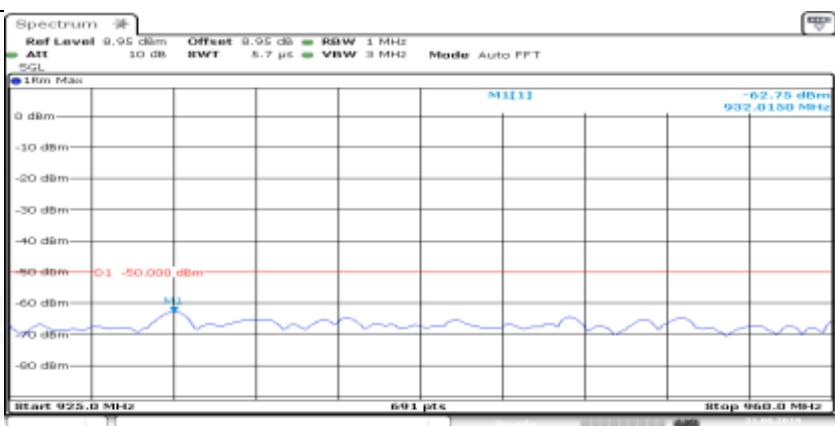
Co-existence	
Co-existence	
Co-existence	


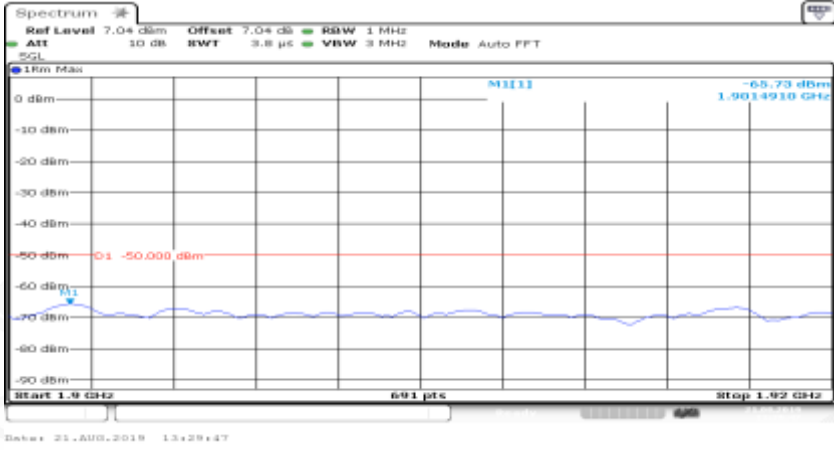
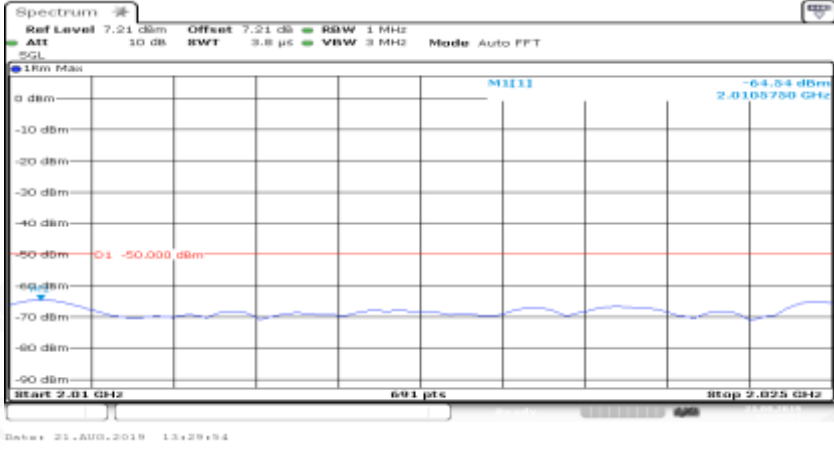
Co-existence	
Additional	NA

Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_1RB#max	
General	
General	


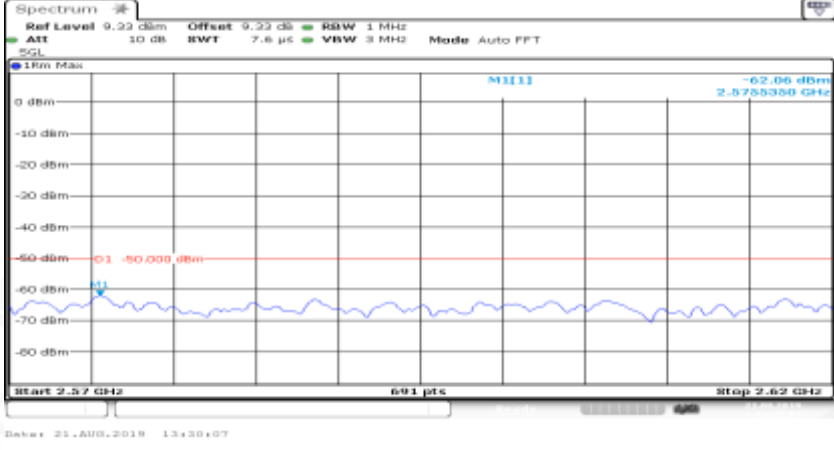

General	
General	
General	



General	
Co-existence	
Co-existence	

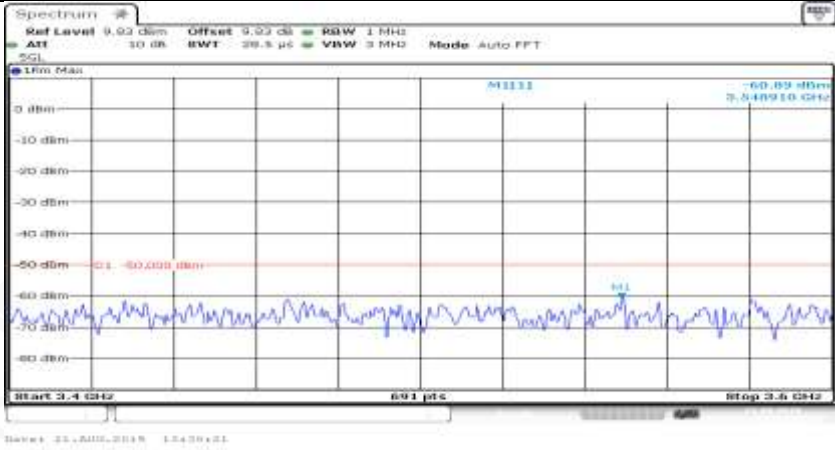
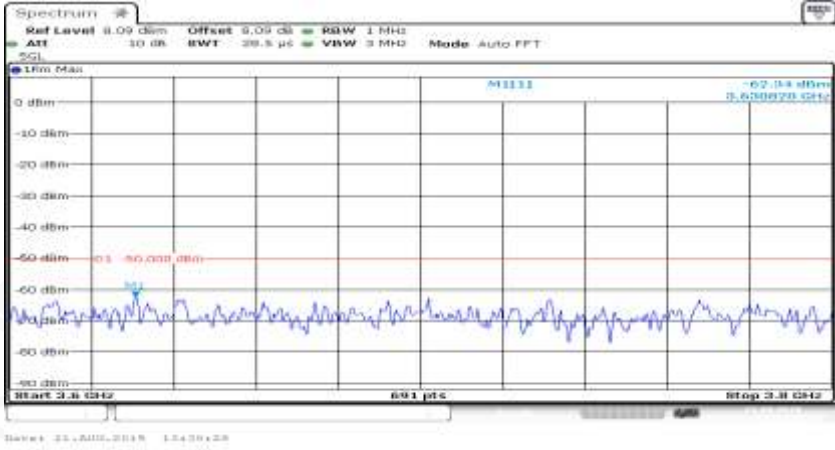
Co-existence	
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Co-existence	

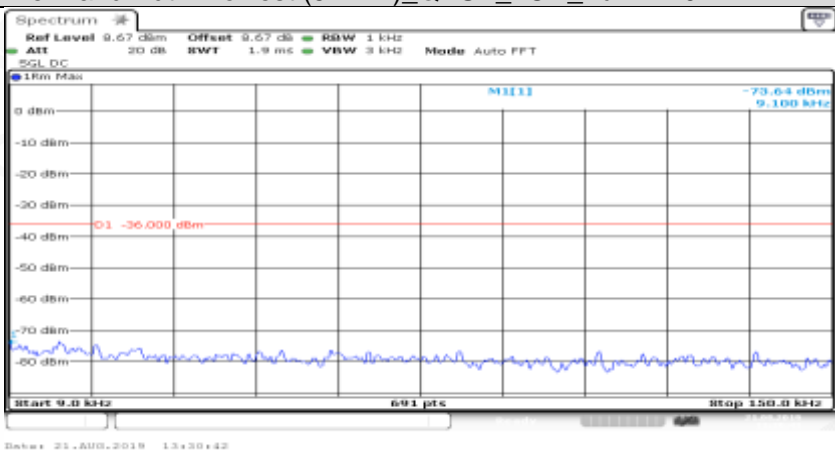


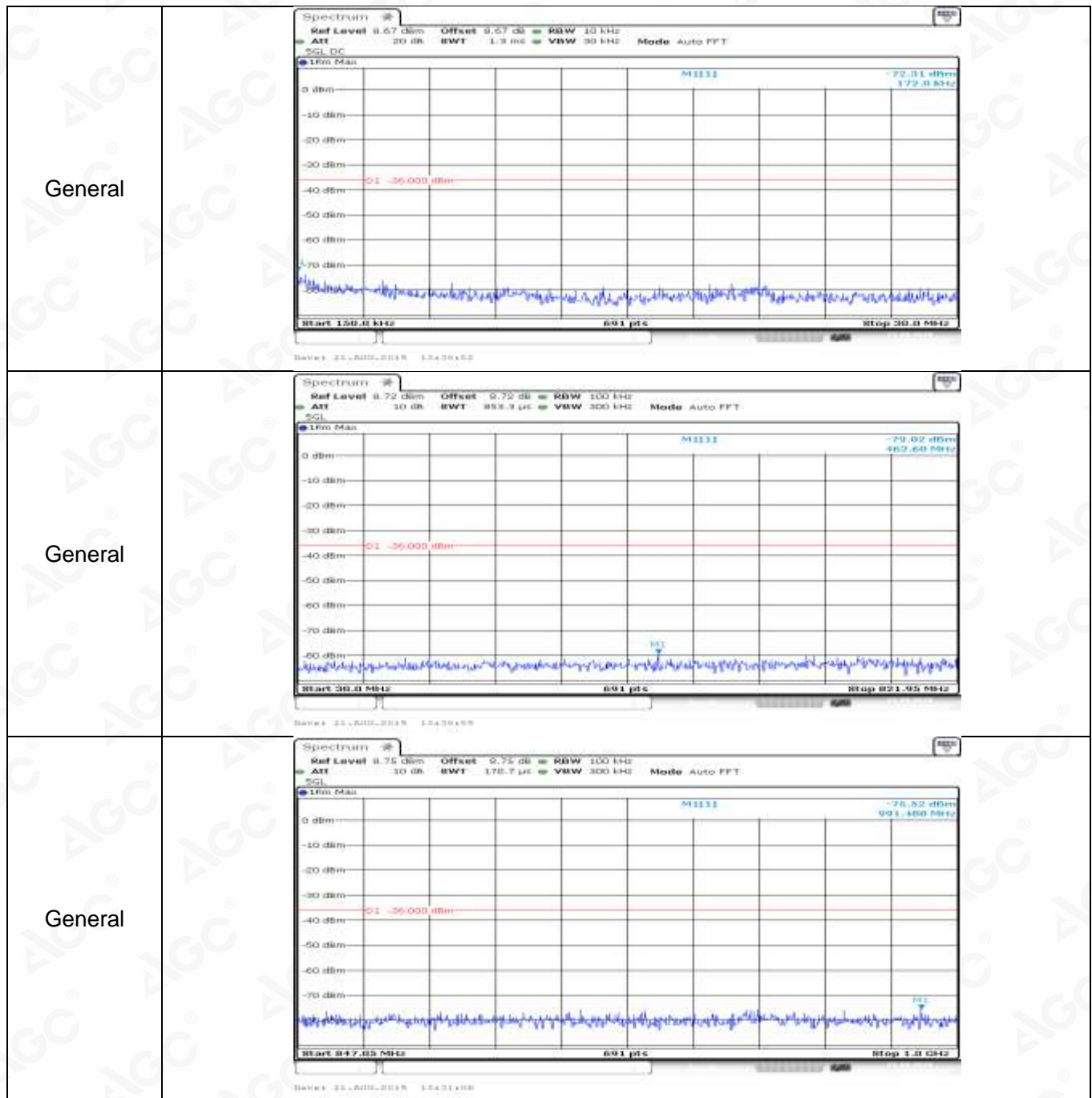
Co-existence	
Co-existence	
Co-existence	

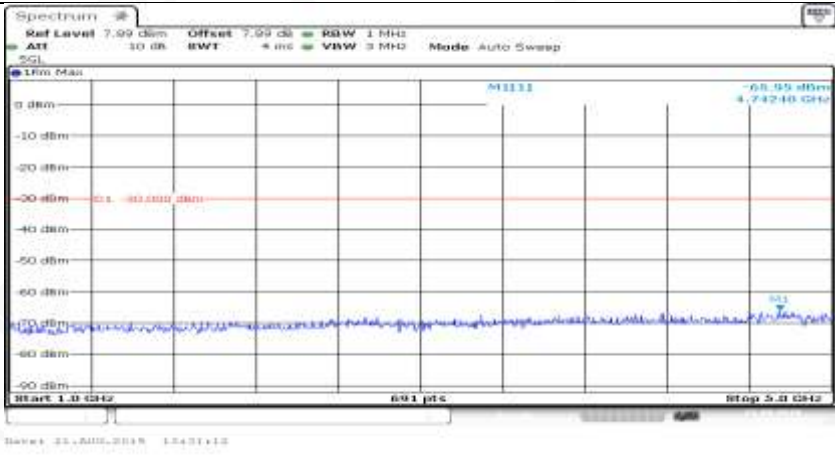
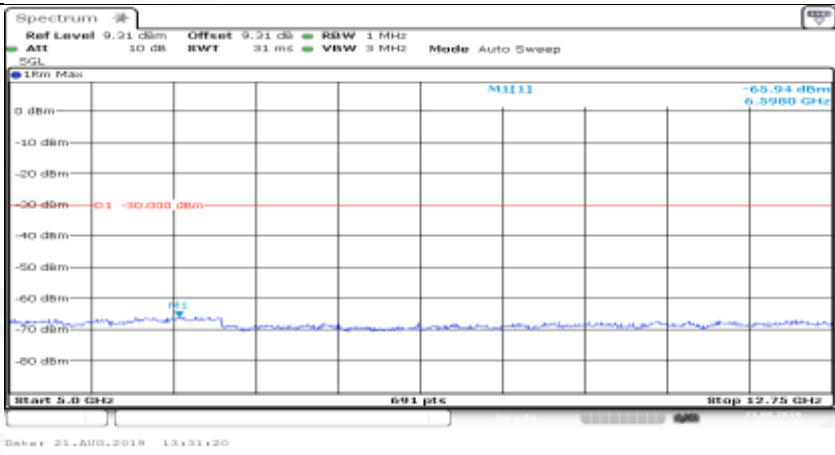
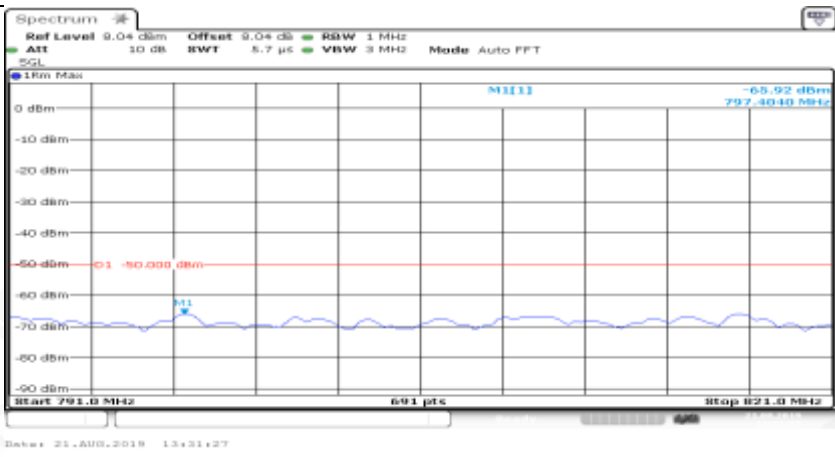




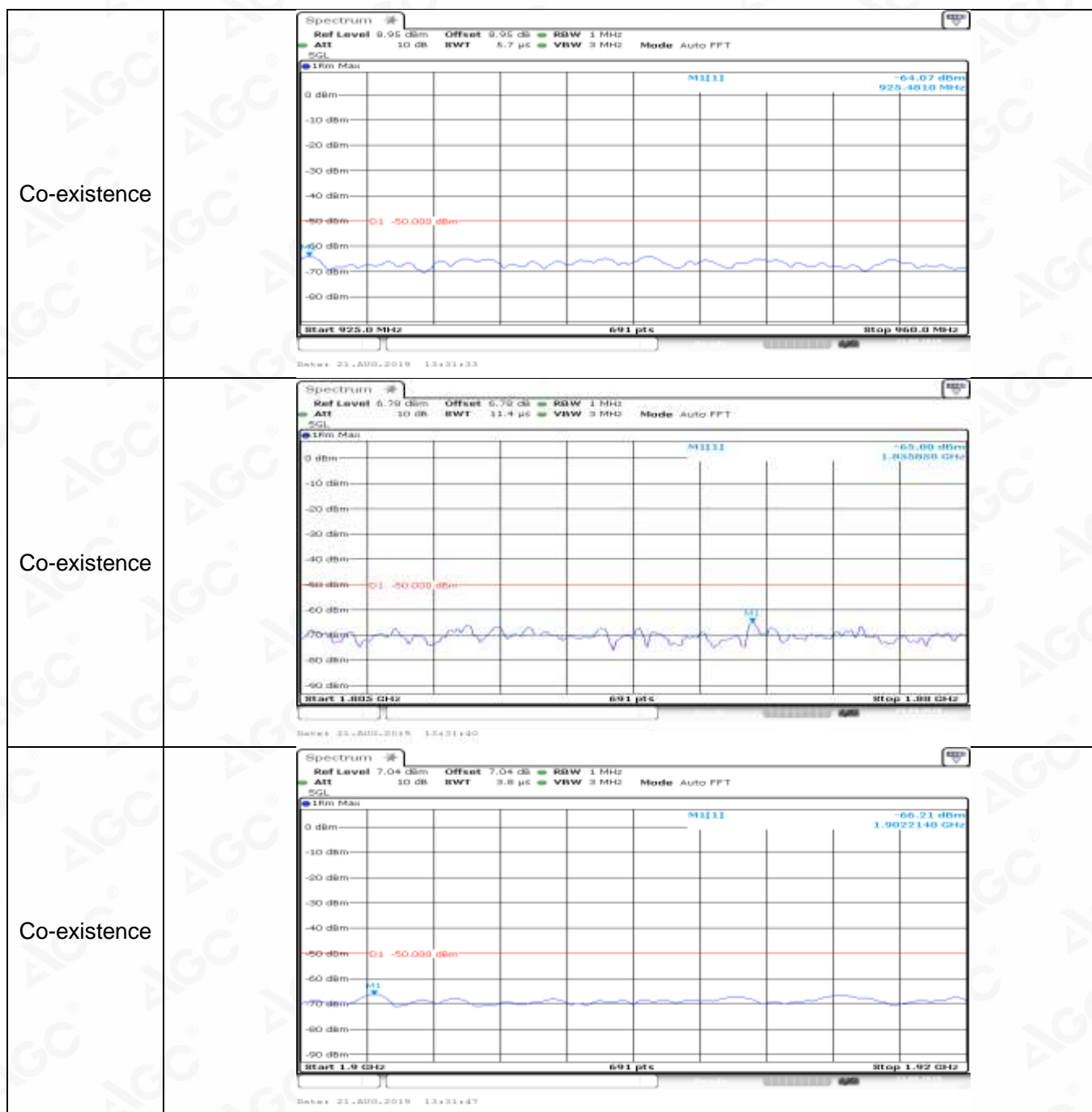
Co-existence	
Co-existence	
Additional	NA

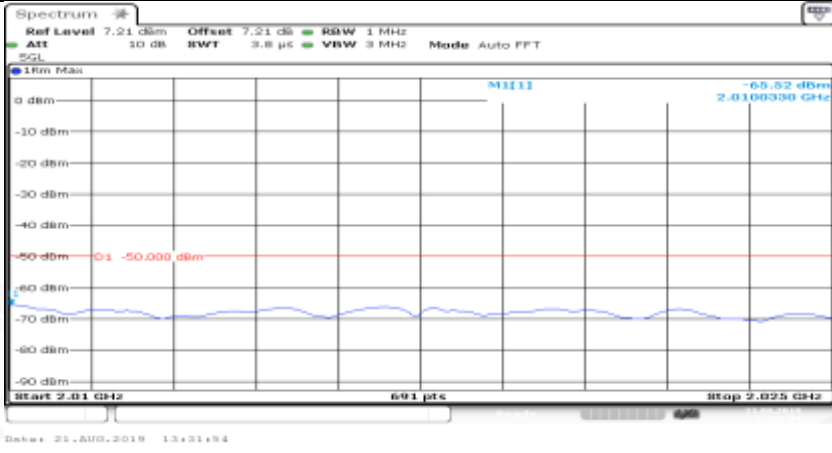

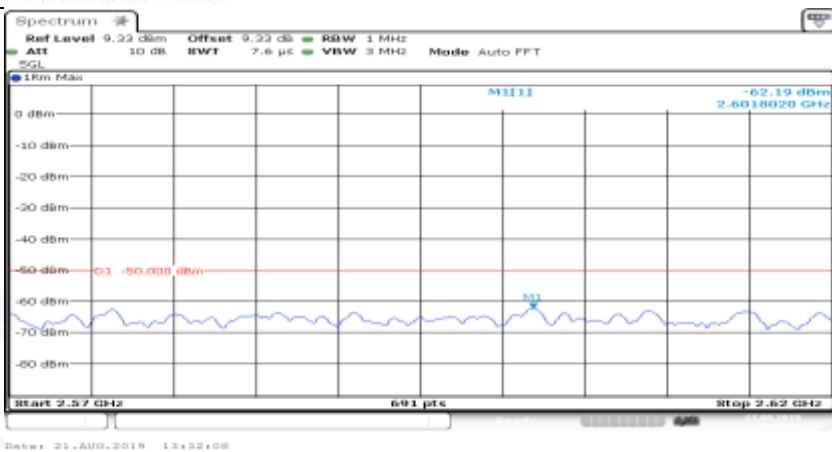
Channel Bandwidth=Lowest (5 MHz)_QPSK_LCH_FullRB#0	
General	

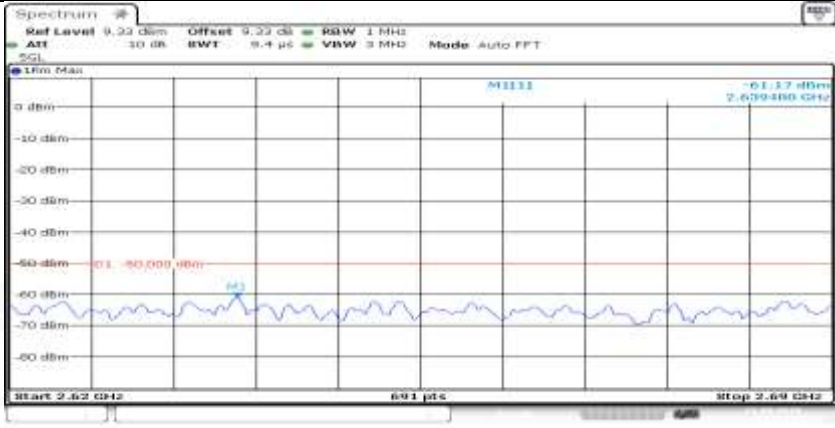
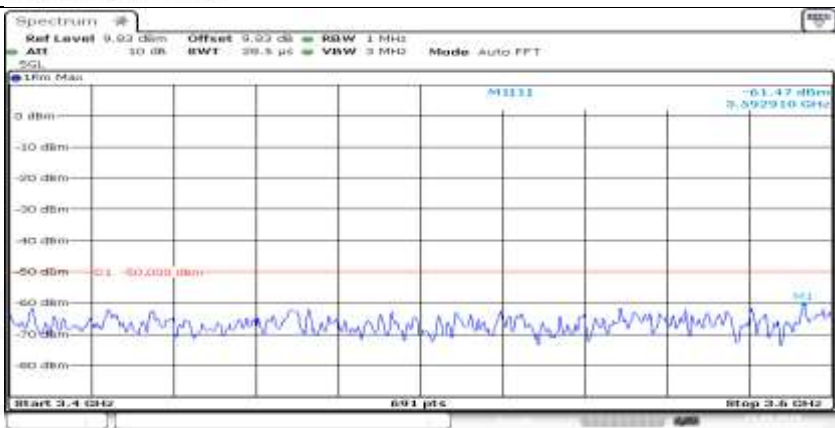
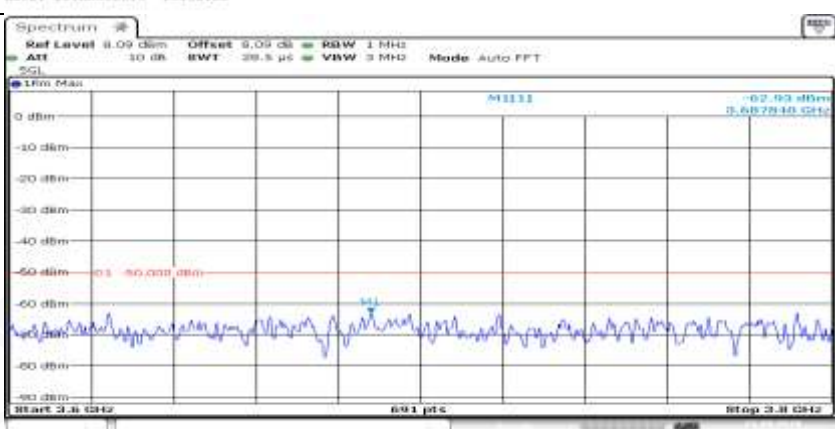


General	
General	
Co-existence	



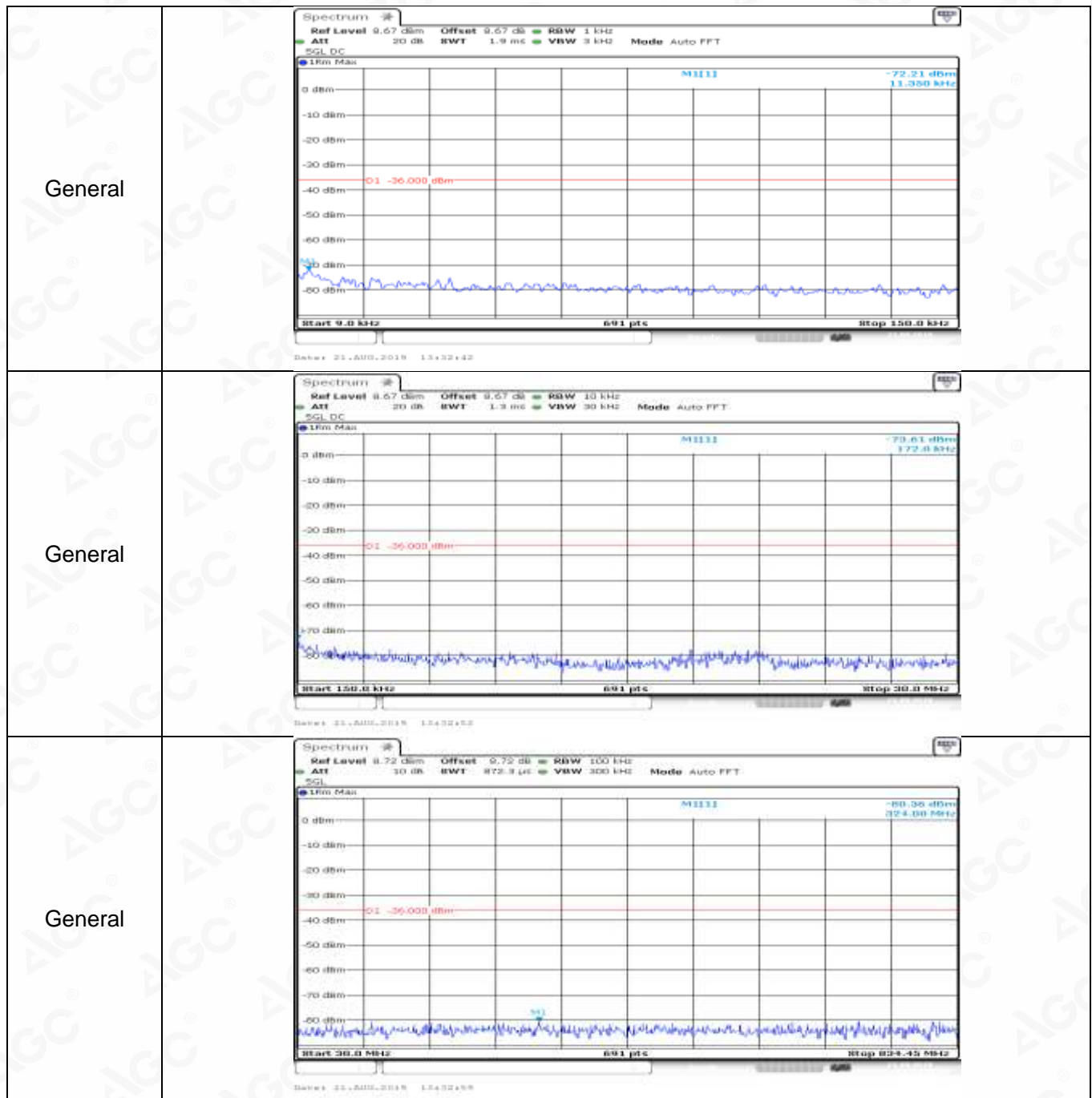


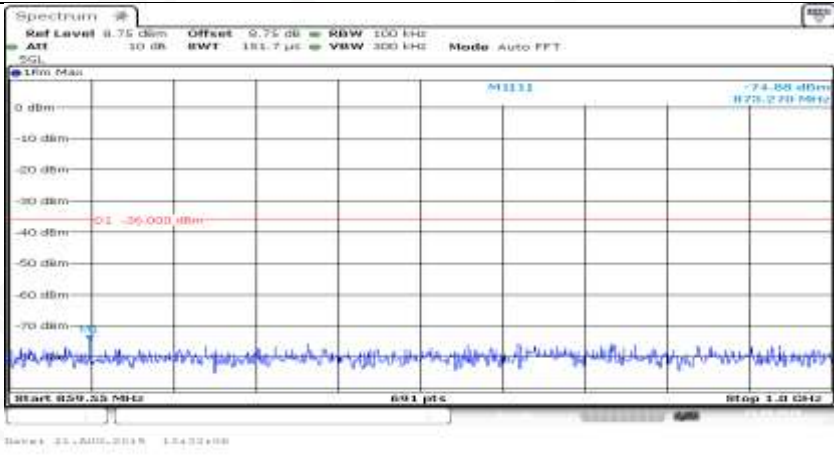
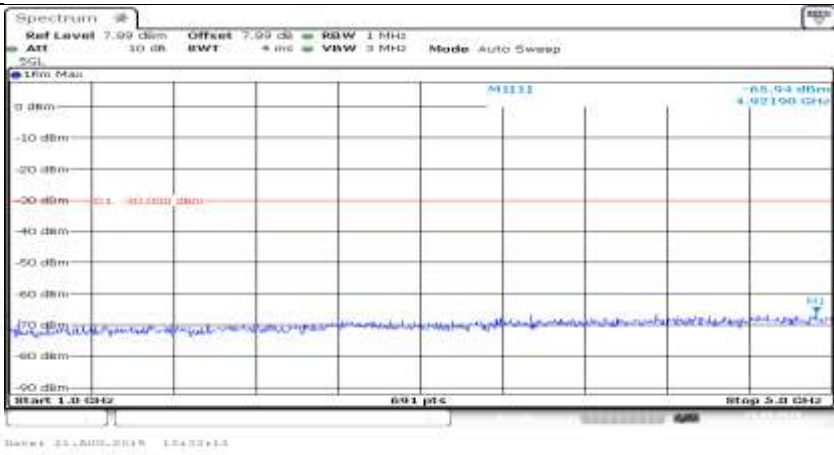
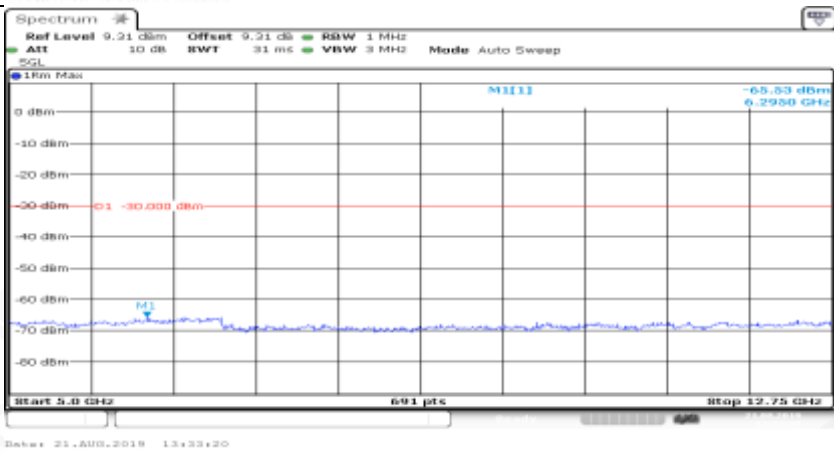
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

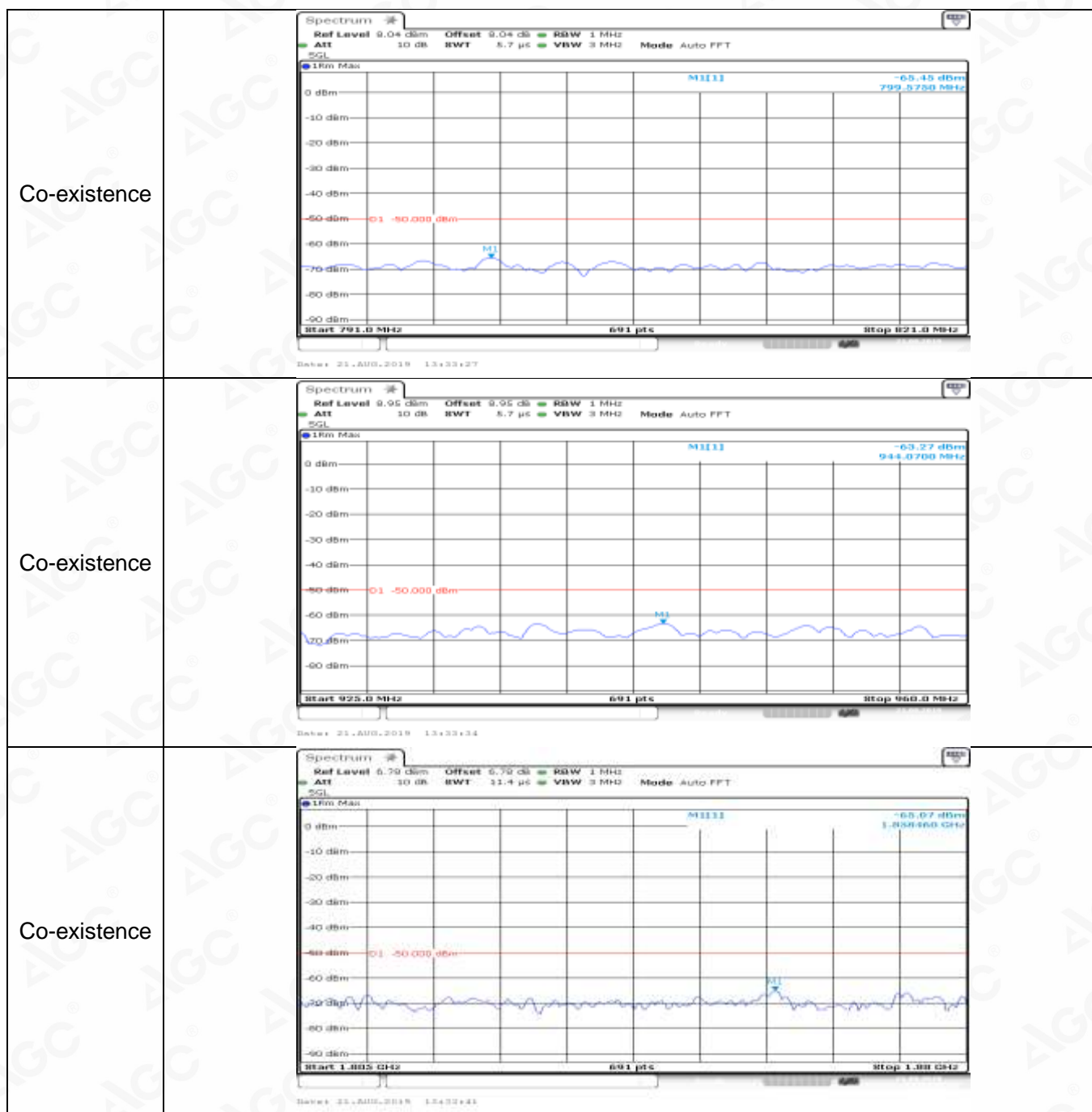
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_MCH\_1RB#0



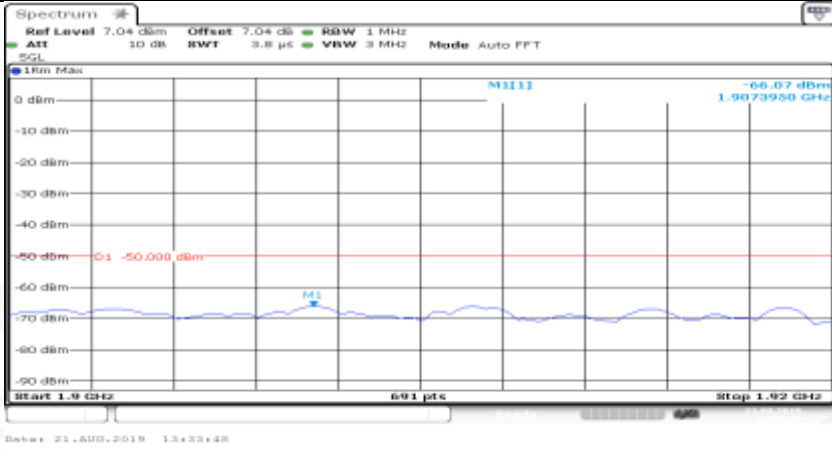
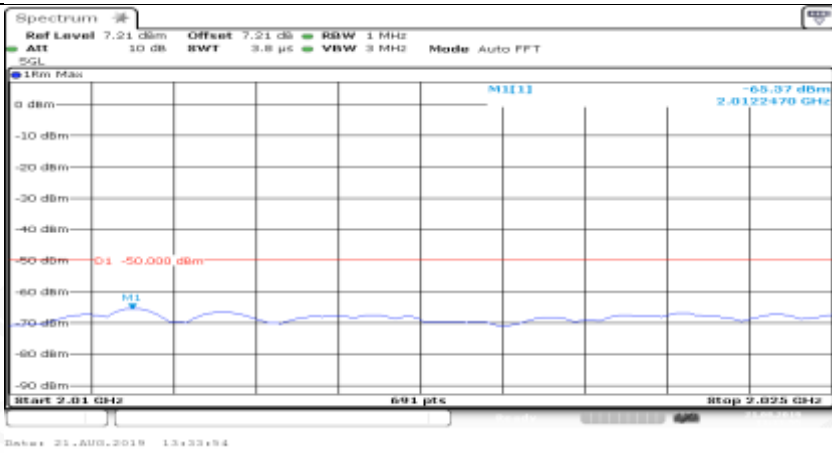
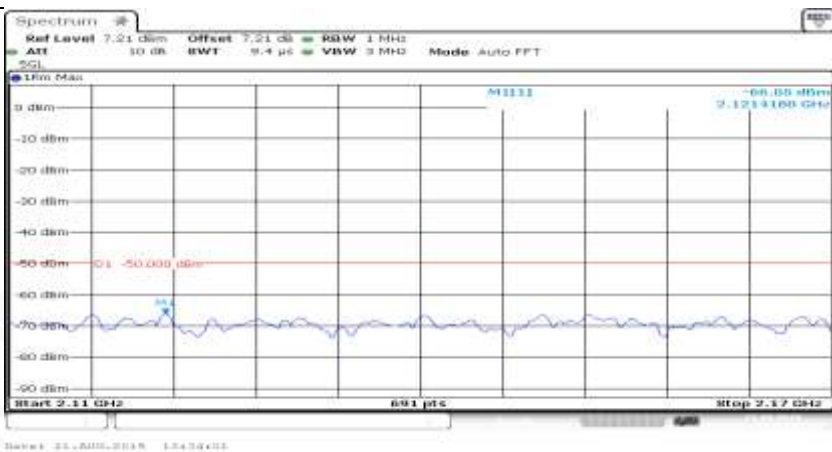


General	
General	
General	

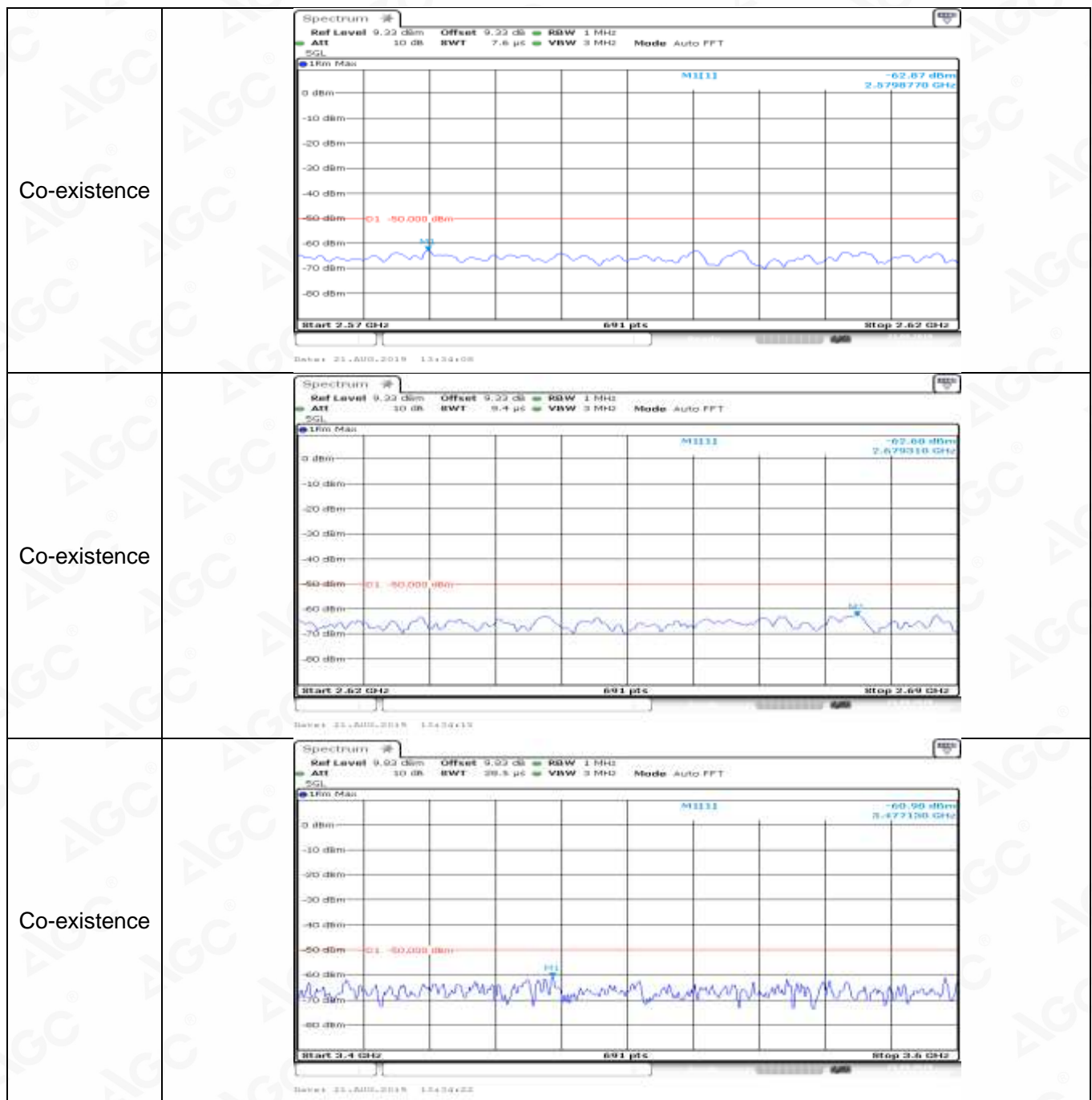




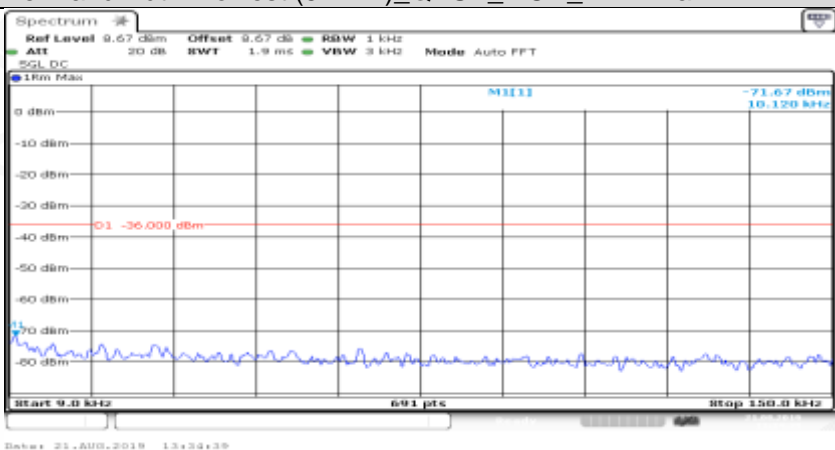
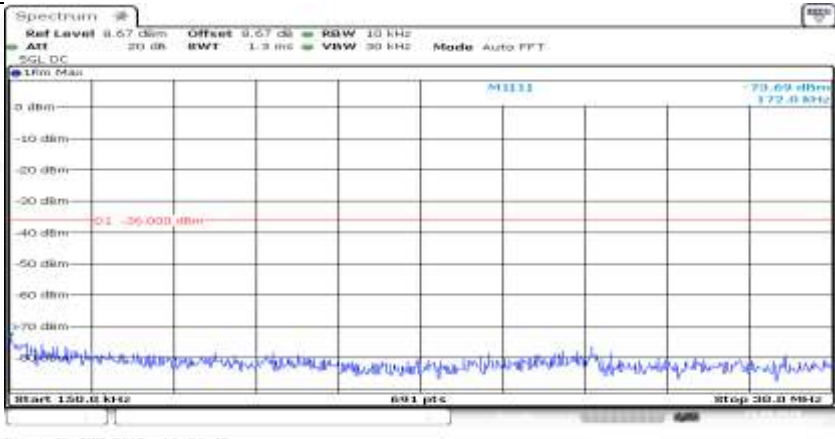


Co-existence	
Co-existence	
Co-existence	

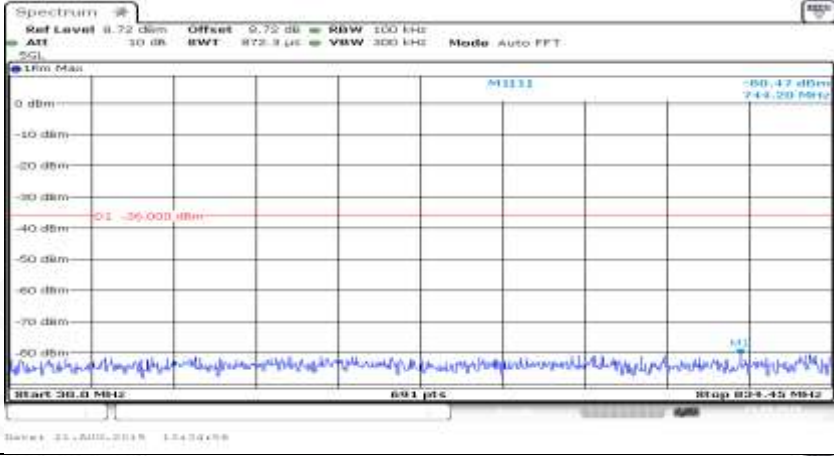
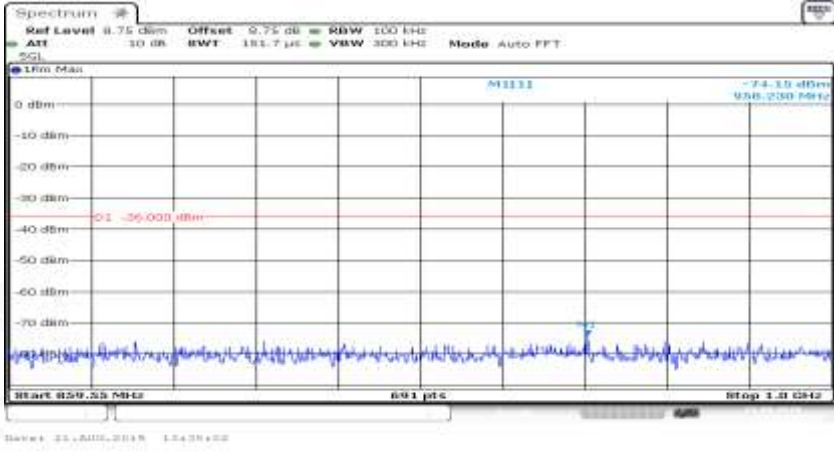
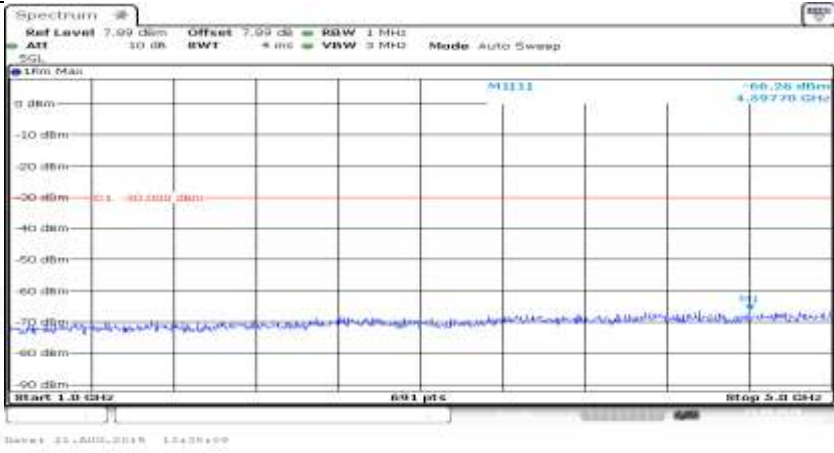




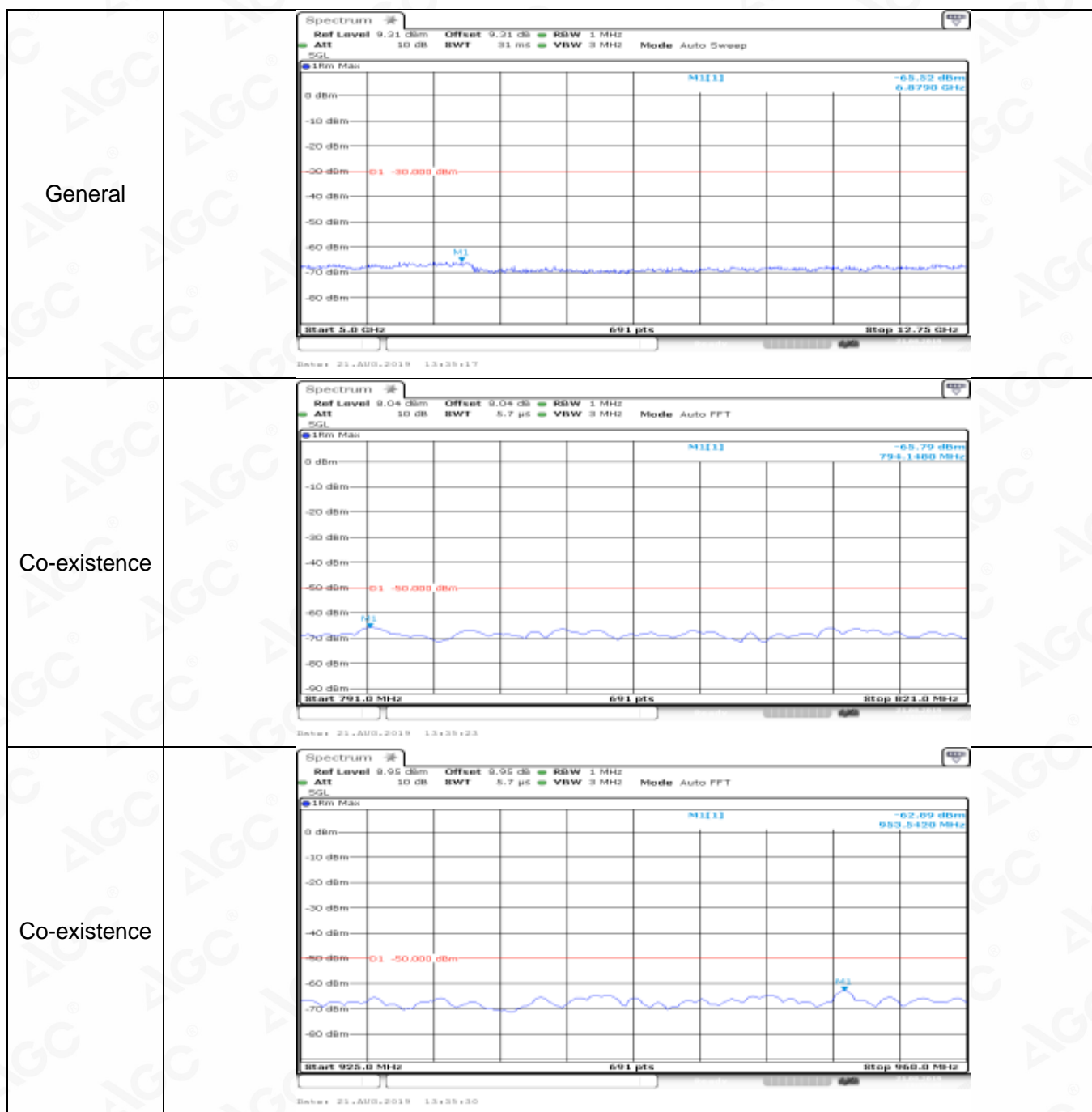
Co-existence	
Additional	NA

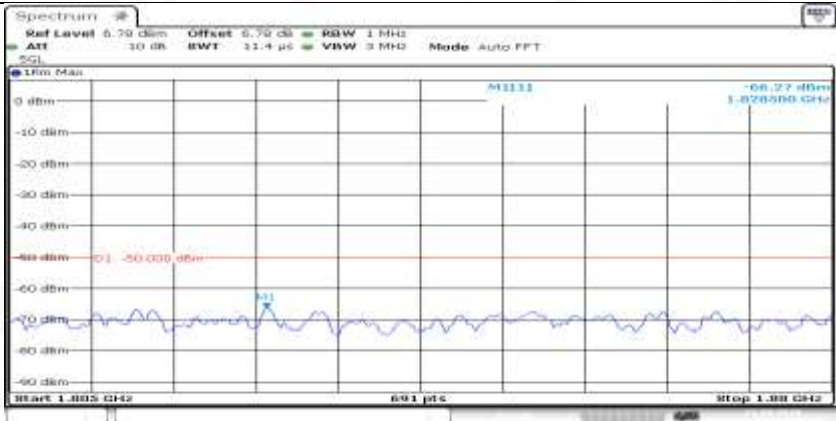
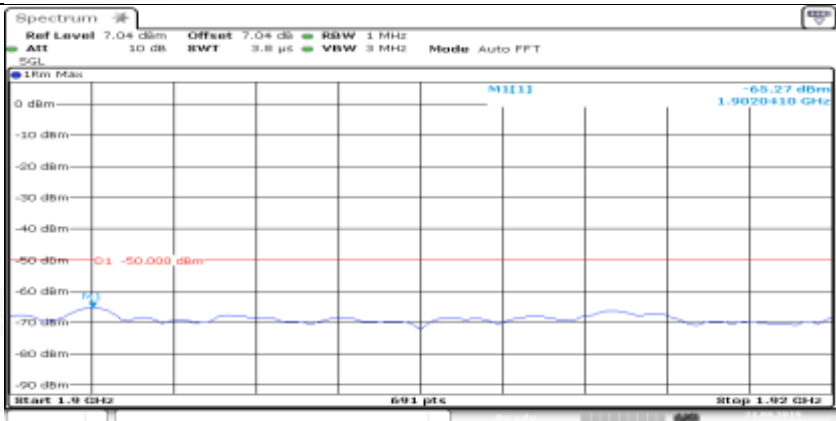
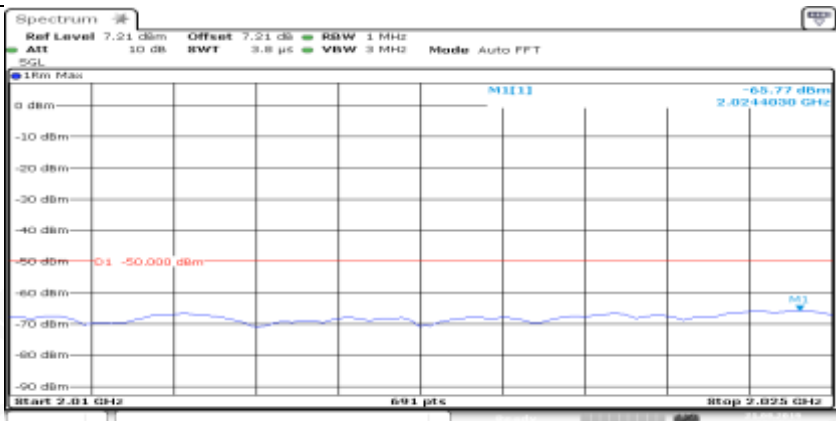
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_1RB#max	
General	
General	



General	
General	
General	


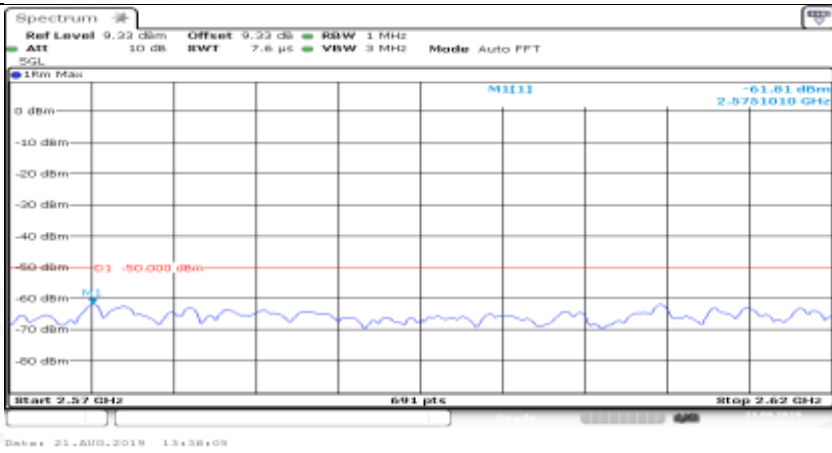
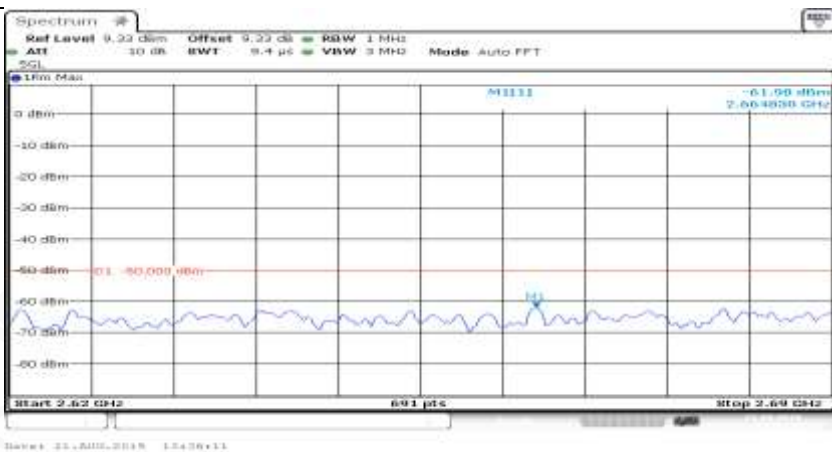





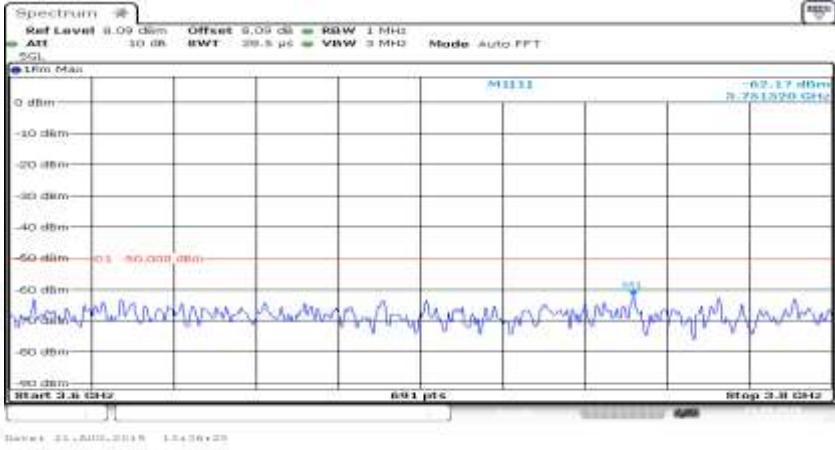
Co-existence	
Co-existence	
Co-existence	

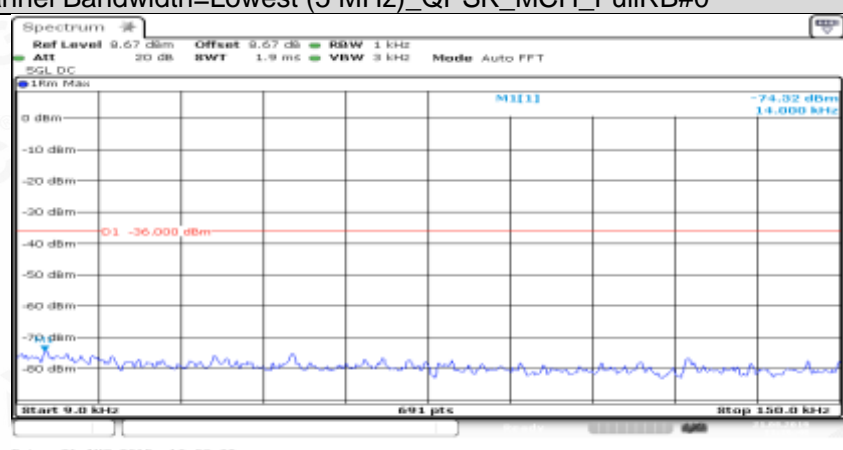


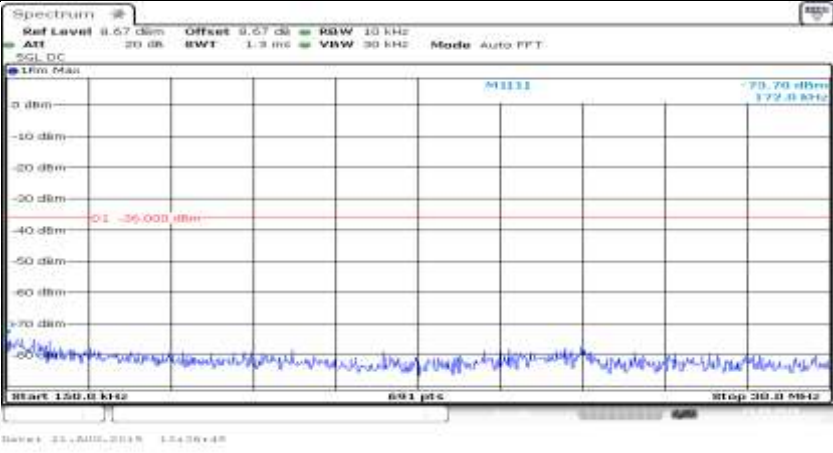
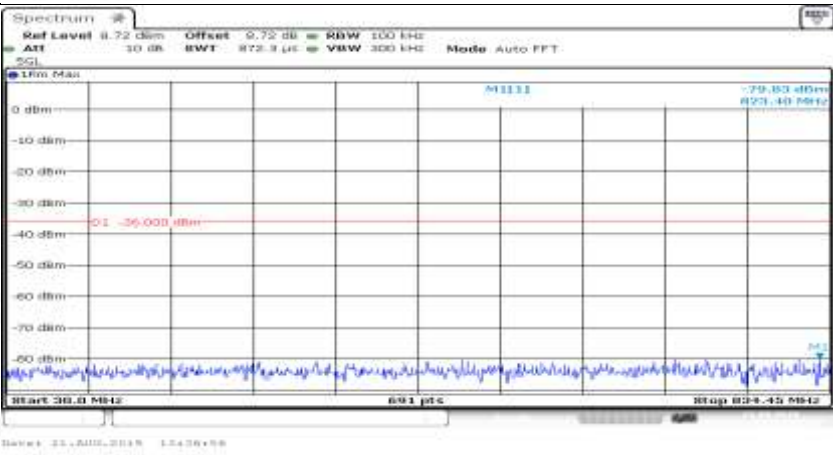
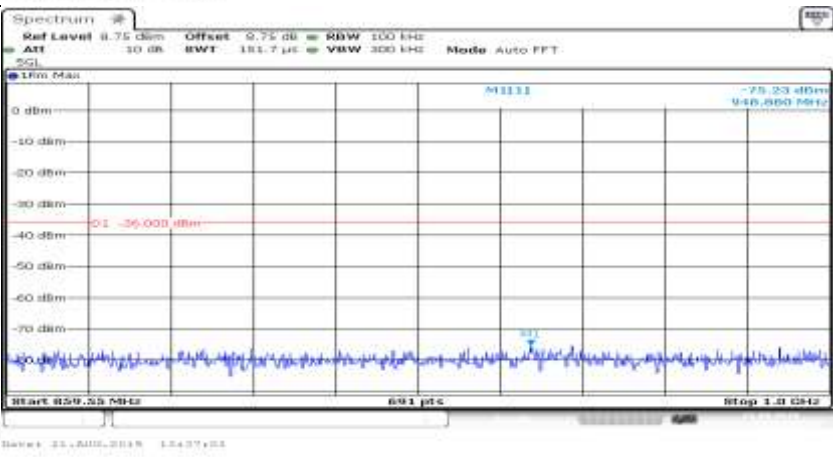


Co-existence	
Co-existence	
Co-existence	

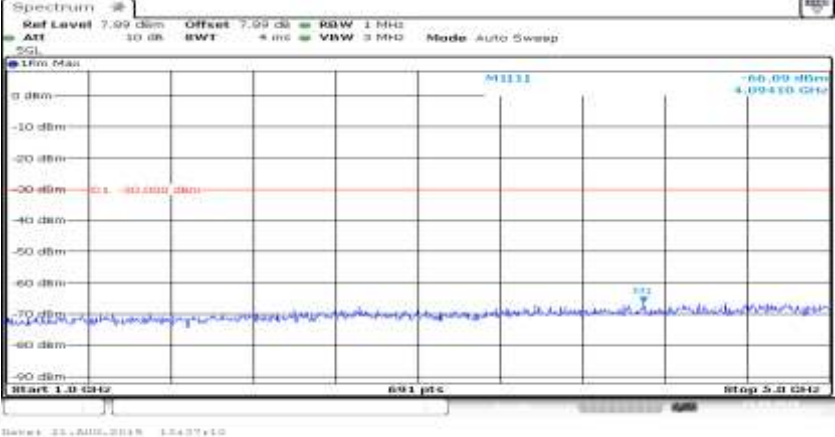
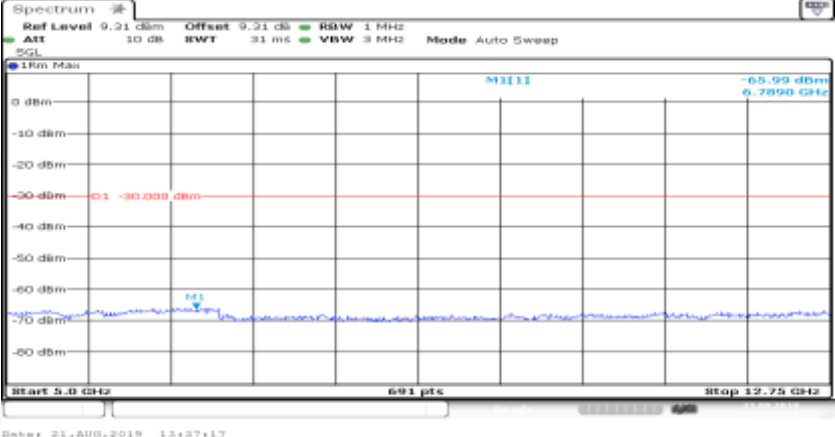
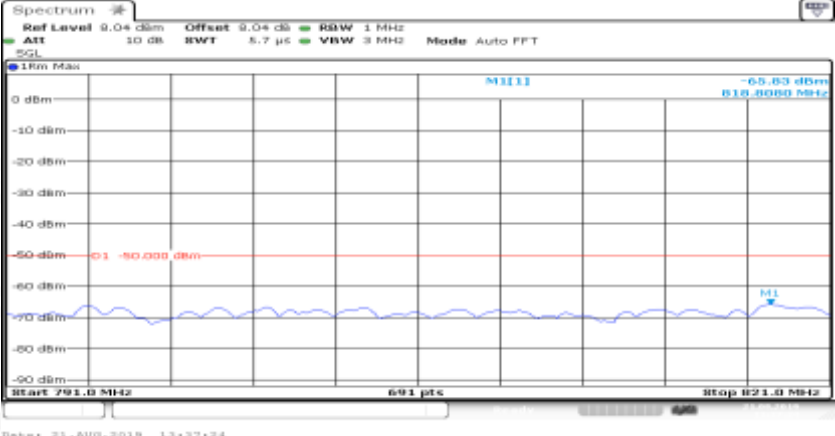


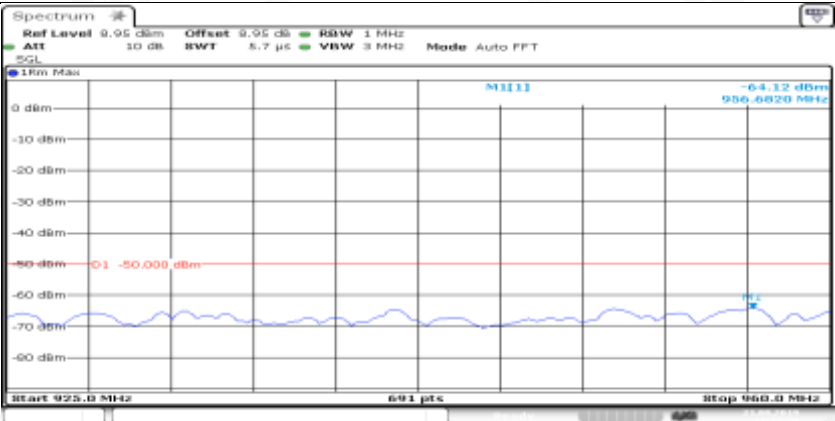
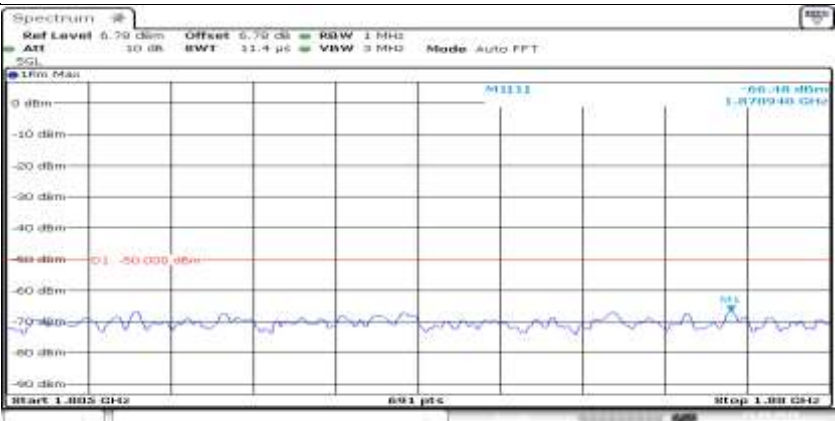
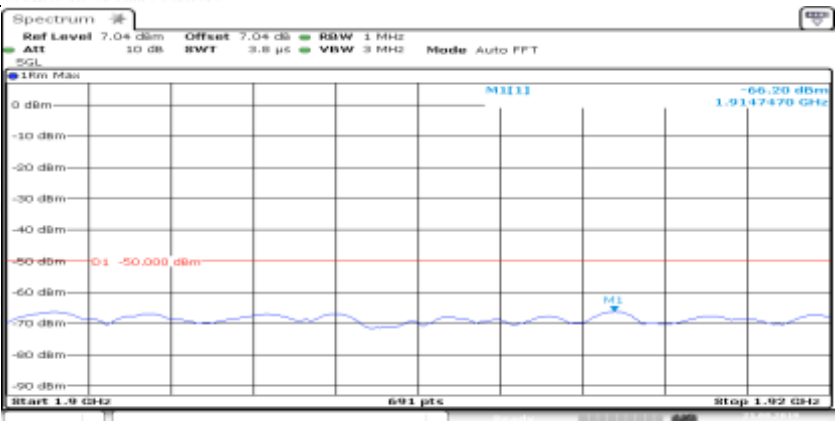
Co-existence	
Co-existence	
Additional	NA

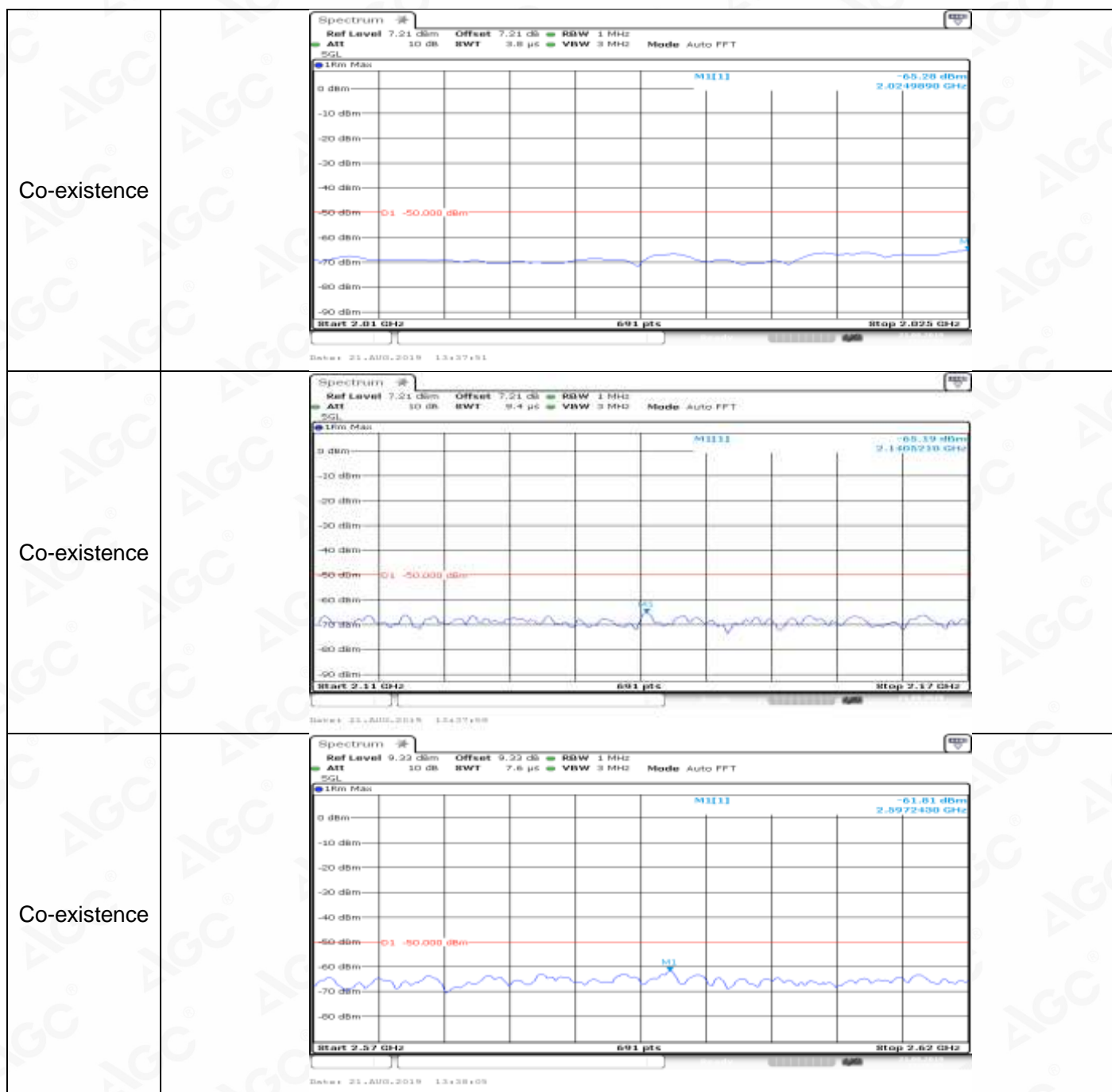
Channel Bandwidth=Lowest (5 MHz)_QPSK_MCH_FullRB#0	
General	

General	
General	
General	

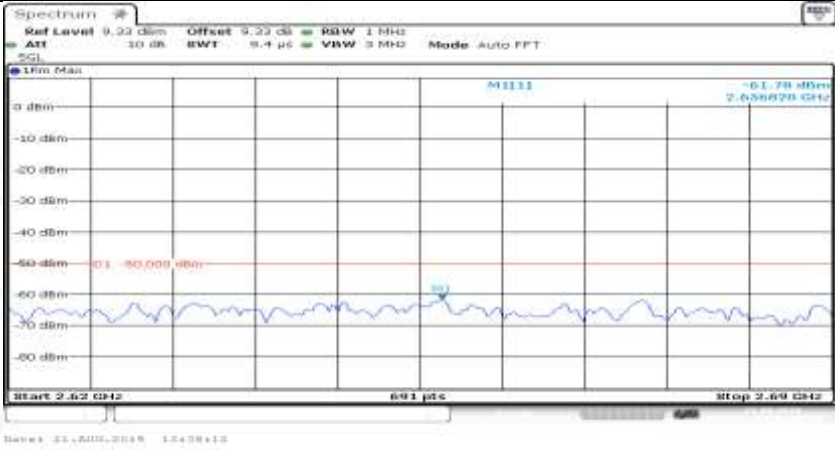
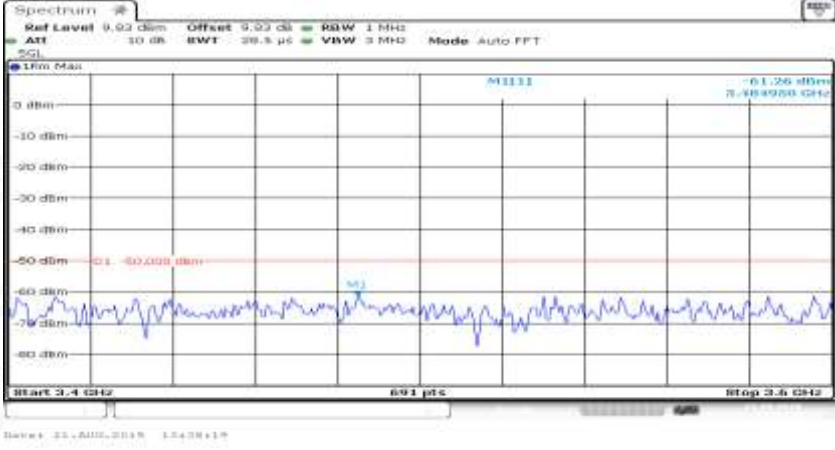


General	
General	
Co-existence	

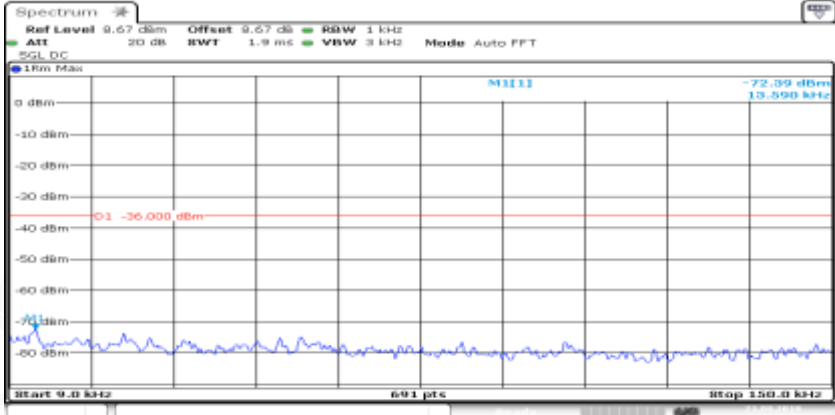
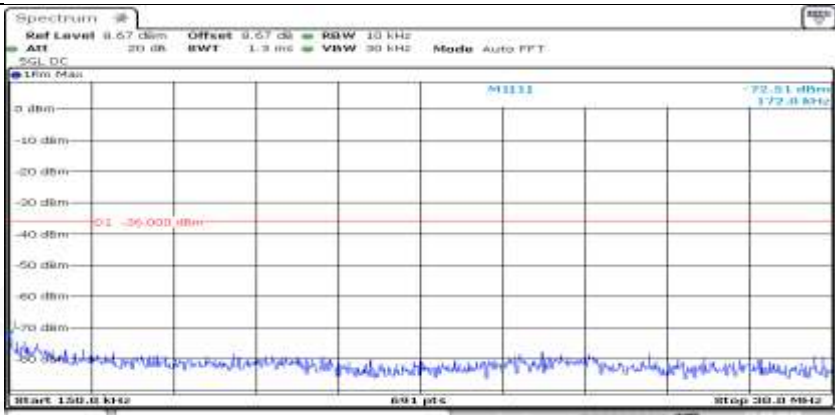
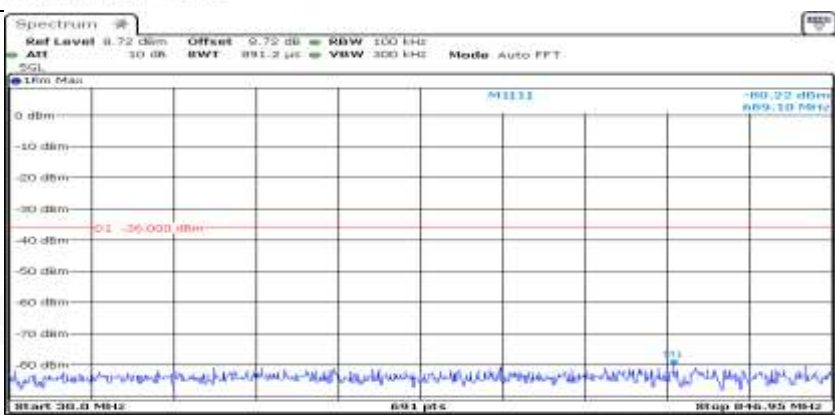
Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>601 pts</p> <p>Date: 21.AUG.2018 13:37:31</p>
Co-existence	 <p>Start 1.805 GHz Stop 1.88 GHz</p> <p>601 pts</p> <p>Date: 21.AUG.2018 13:43:31</p>
Co-existence	 <p>Start 1.9 GHz Stop 1.92 GHz</p> <p>601 pts</p> <p>Date: 21.AUG.2018 13:37:44</p>

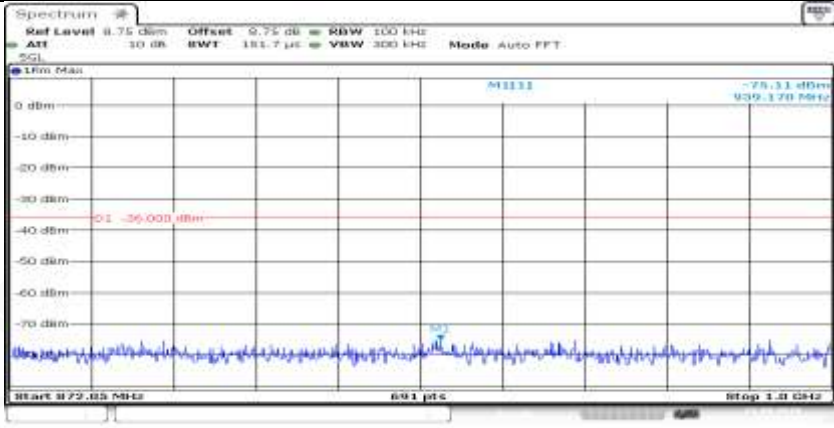

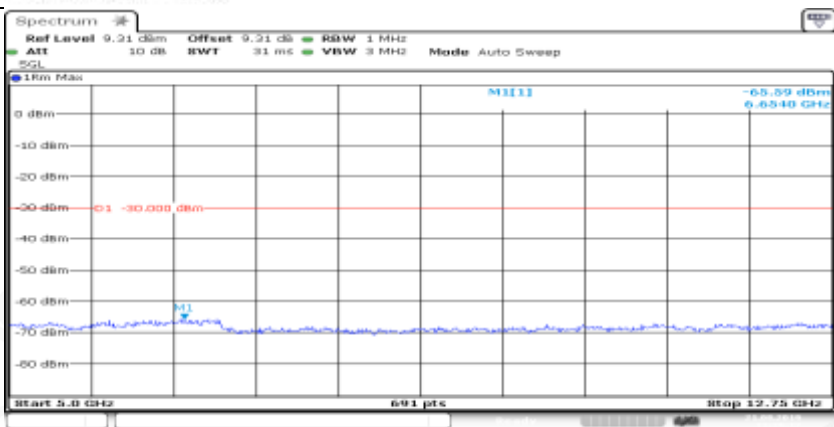




Co-existence	
Co-existence	
Co-existence	
Additional	NA

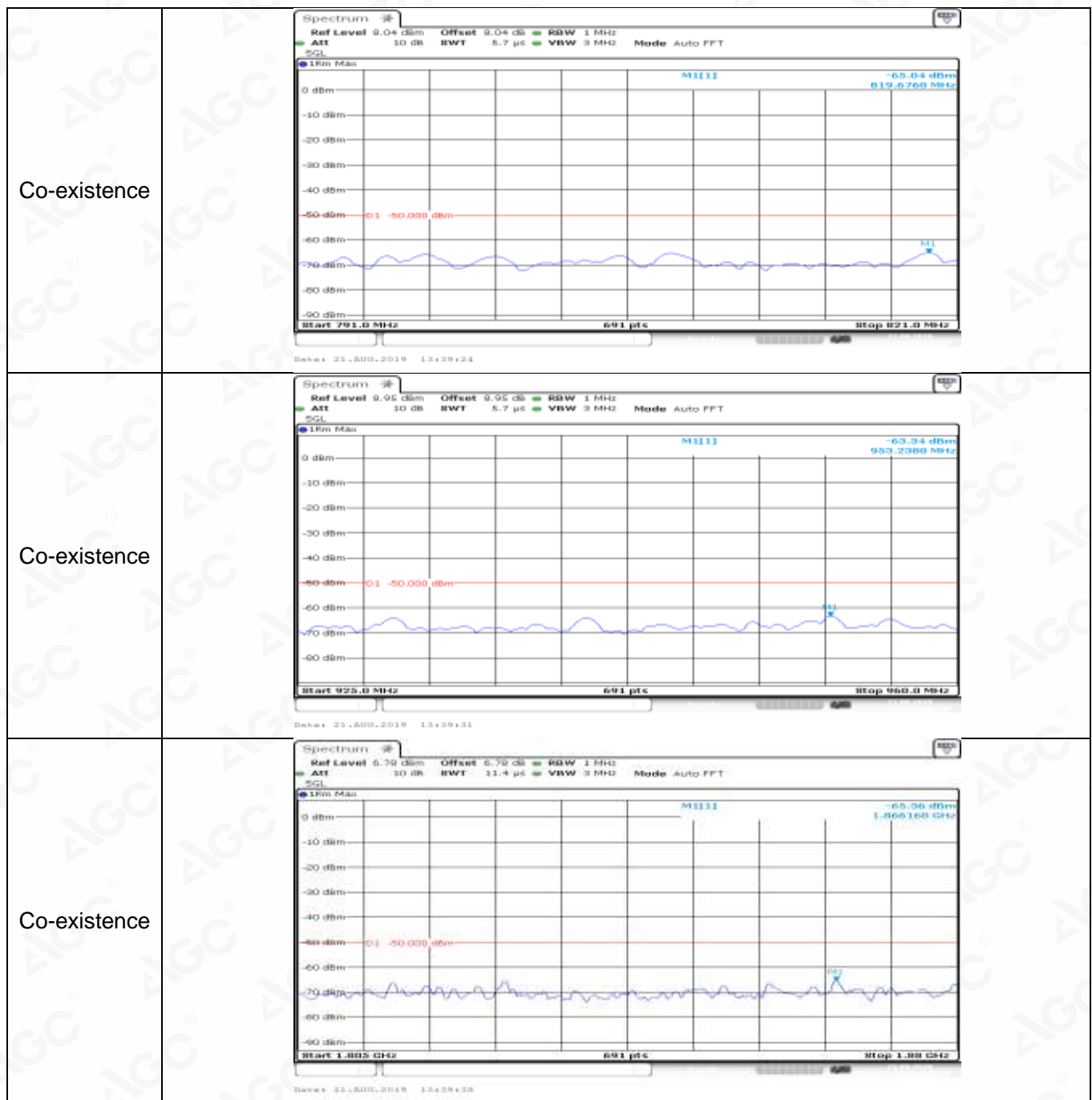
Channel Bandwidth=Lowest (5 MHz)\_QPSK\_HCH\_1RB#0

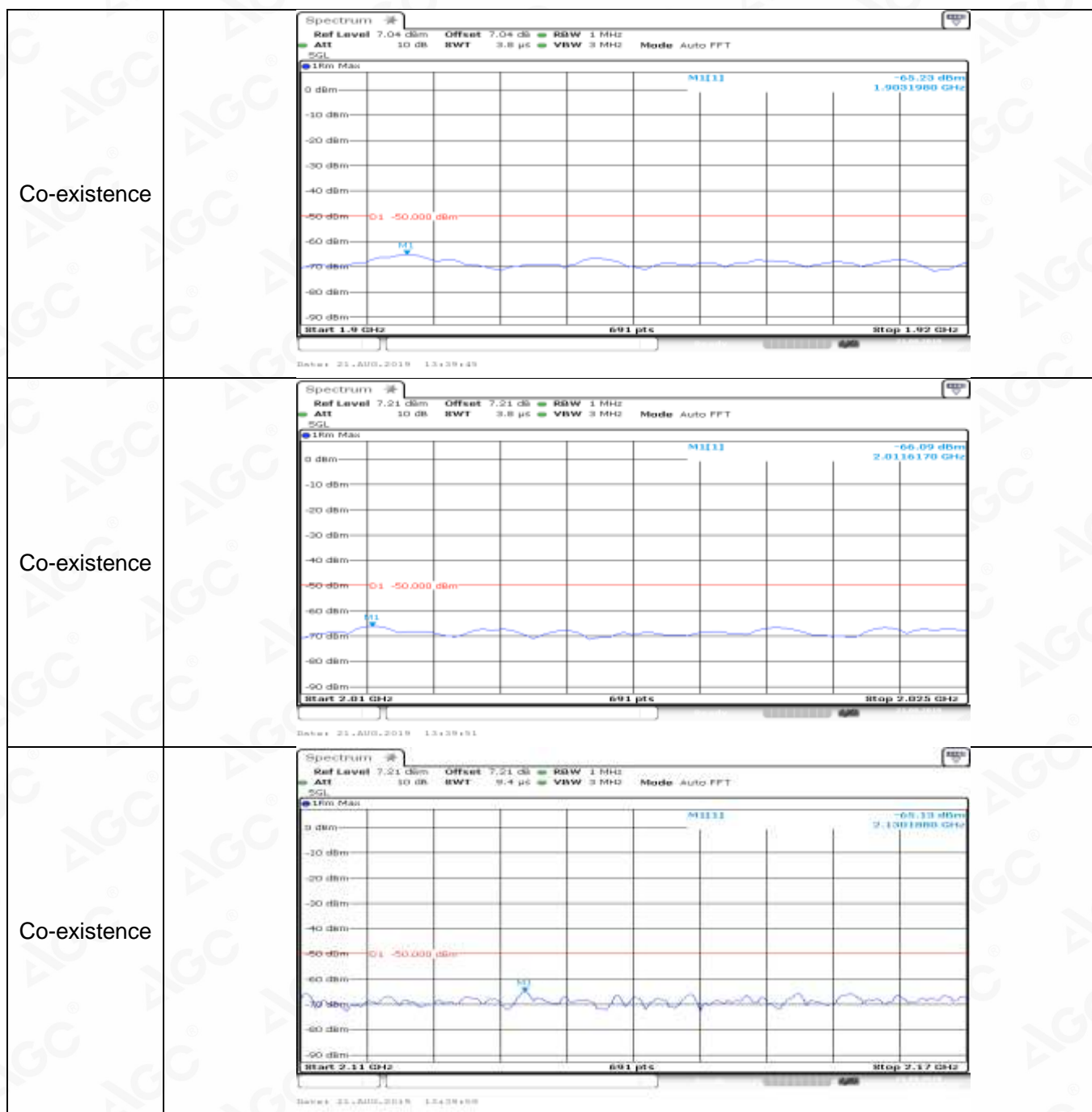
General	
General	
General	

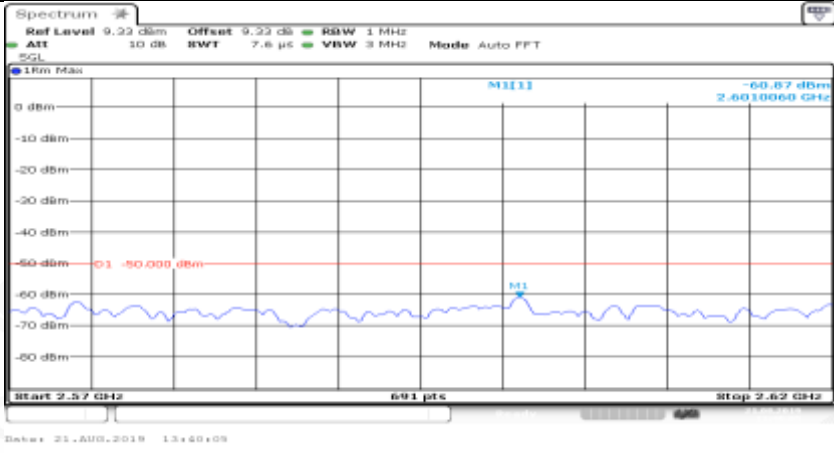

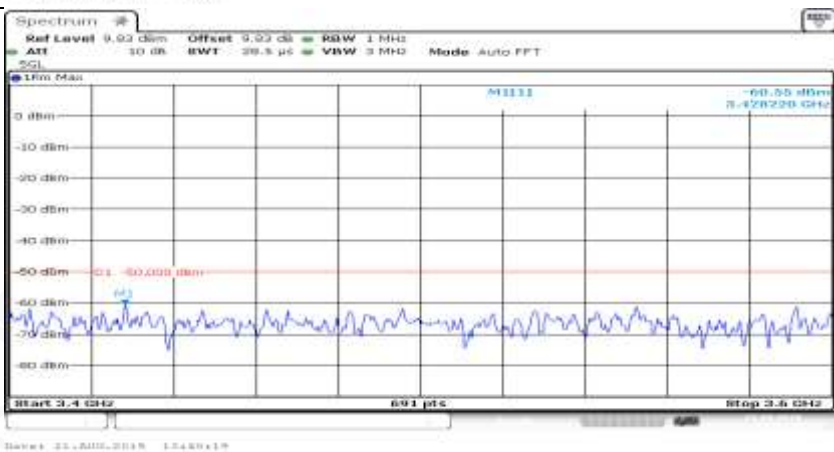
General	 <p>Spectrum</p> <p>Ref Level 8.75 dBm Offset 0.75 dB RBW 100 kHz</p> <p>ATT 10 dB BW 181.7 μs VBW 300 kHz Mode Auto FFT</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>Start 72.05 MHz Stop 1.0 GHz</p> <p>691 pts</p> <p>Save 21.AUG.2018 13:39:03</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm</p> <p>Start 1.0 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>Save 21.AUG.2018 13:39:10</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>IRm Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>Save 21.AUG.2018 13:39:17</p>





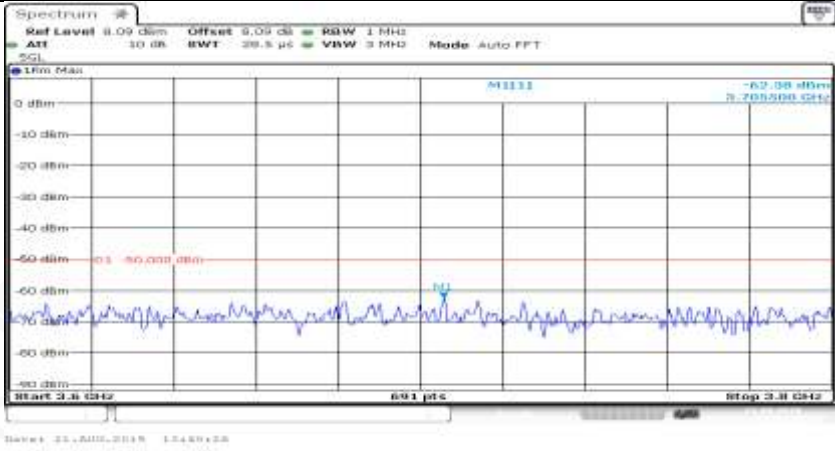


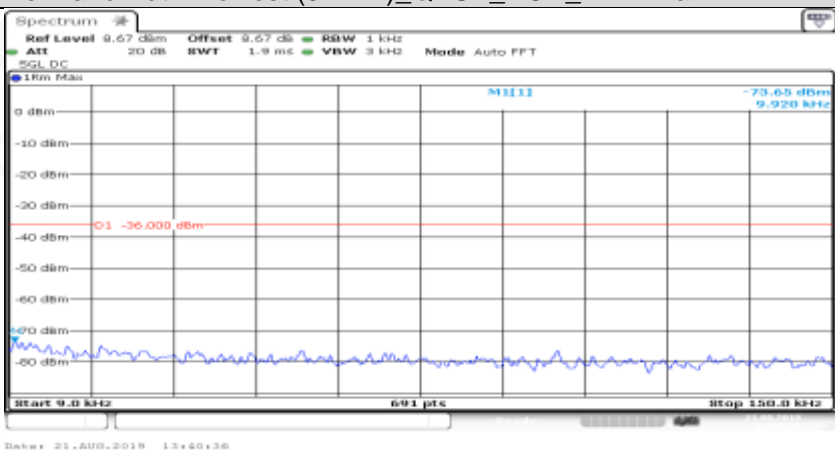
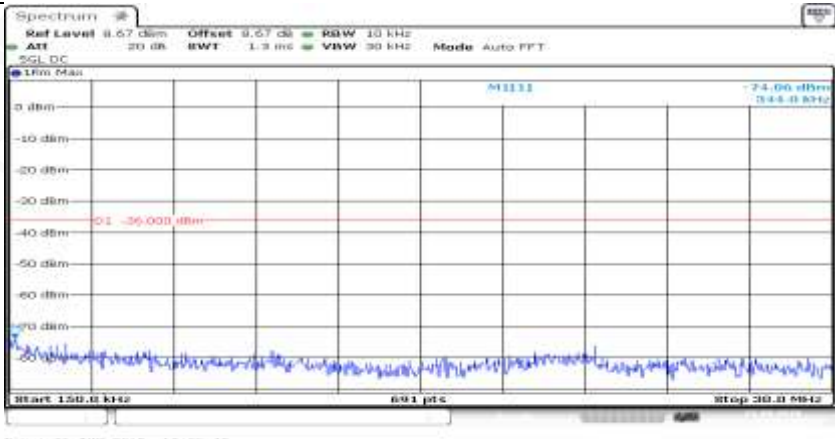


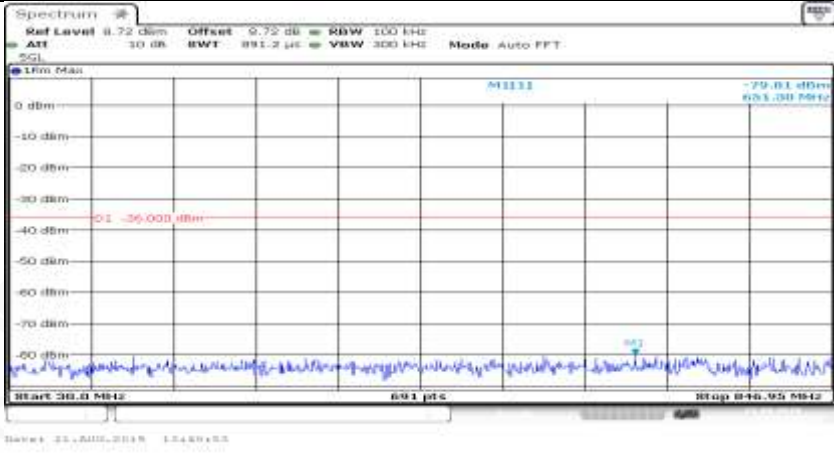
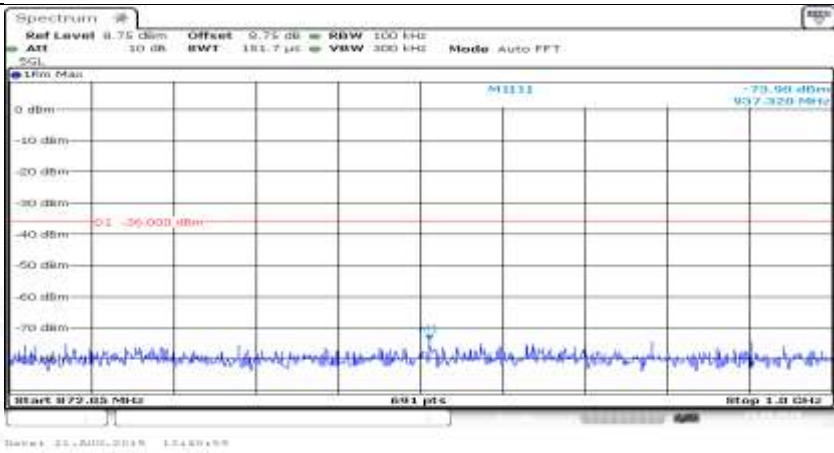
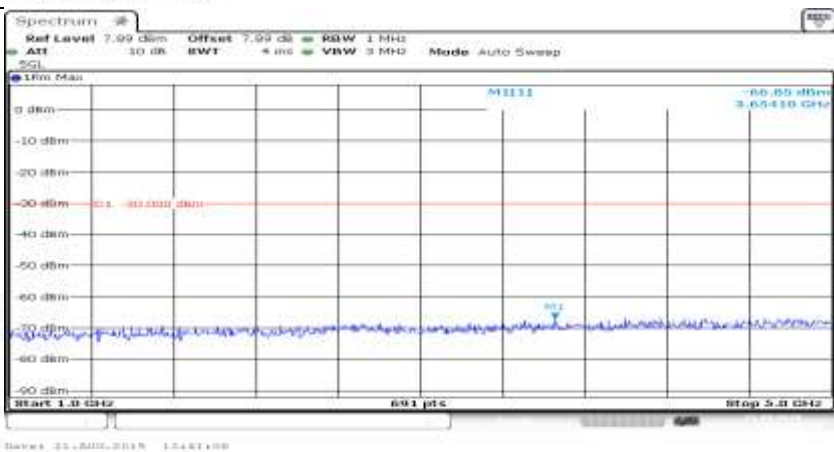
Co-existence	
Co-existence	
Co-existence	



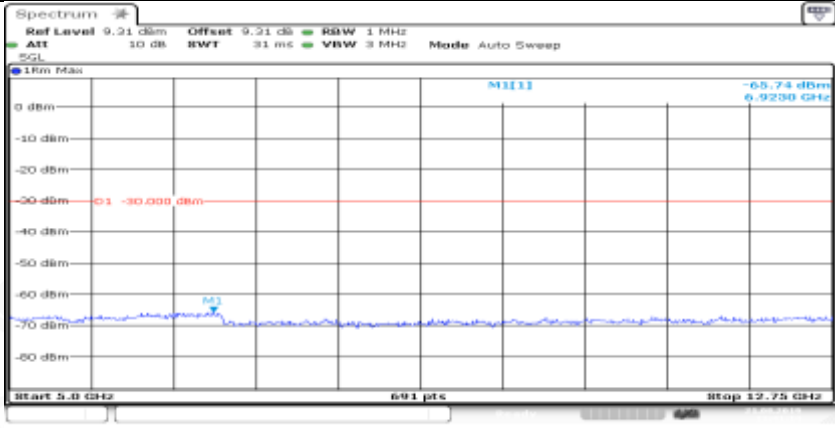

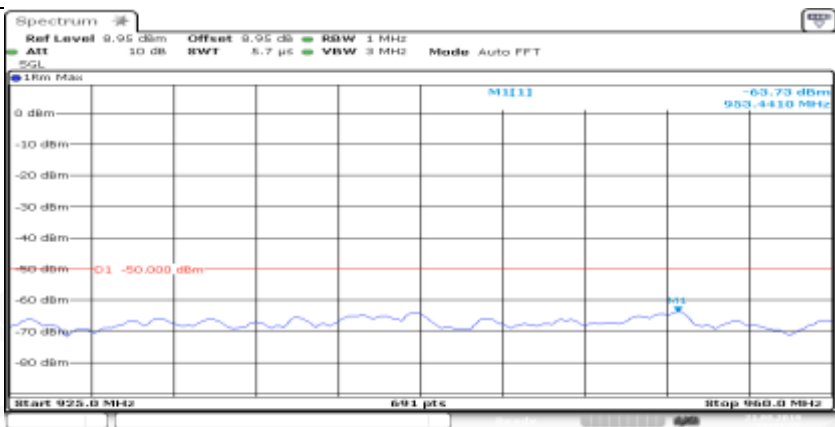


Co-existence	
Additional	NA

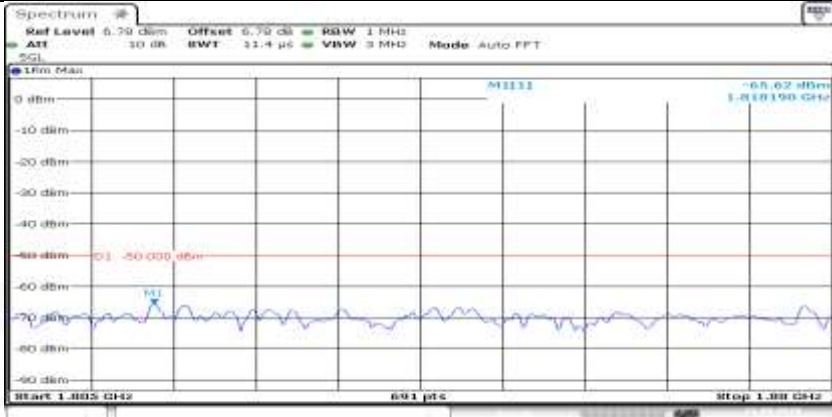
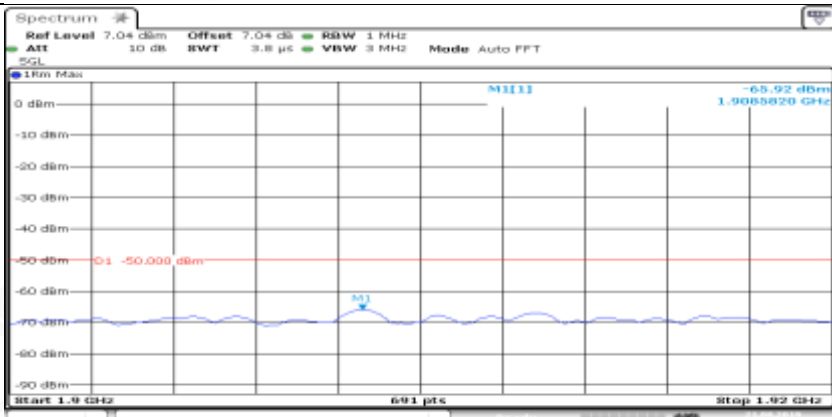

Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

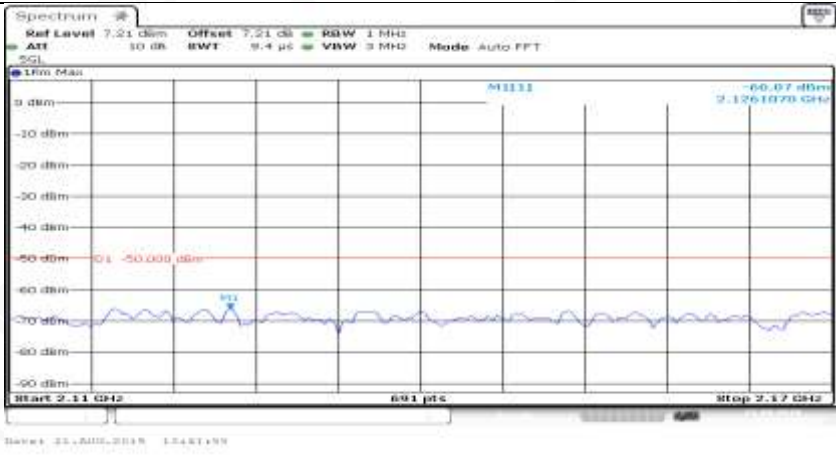
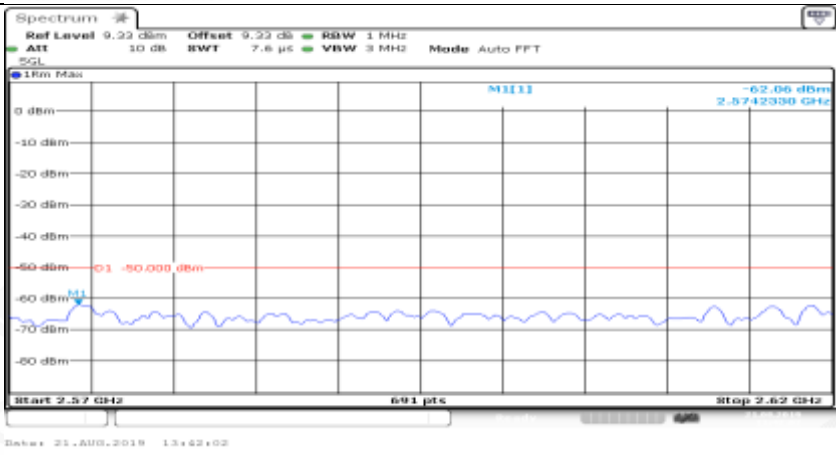



General	 <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 13:41:14</p>
Co-existence	 <p>Start 791.0 MHz Stop 821.0 MHz</p> <p>Date: 21.AUG.2019 13:41:20</p>
Co-existence	 <p>Start 925.0 MHz Stop 960.0 MHz</p> <p>Date: 21.AUG.2019 13:41:27</p>

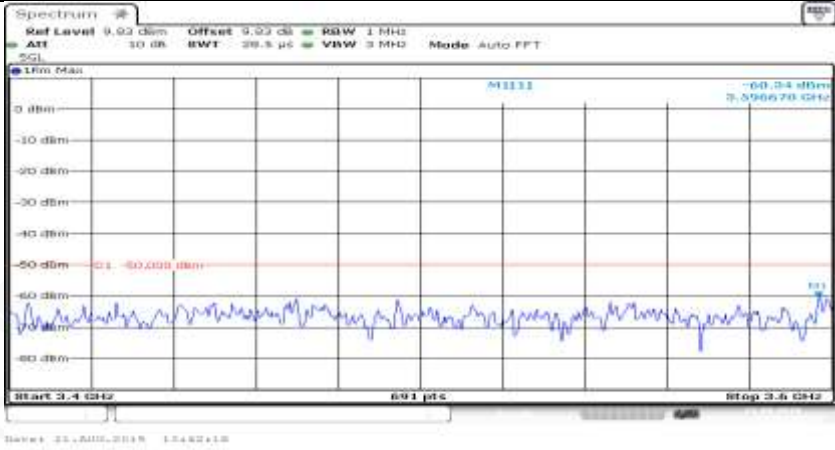
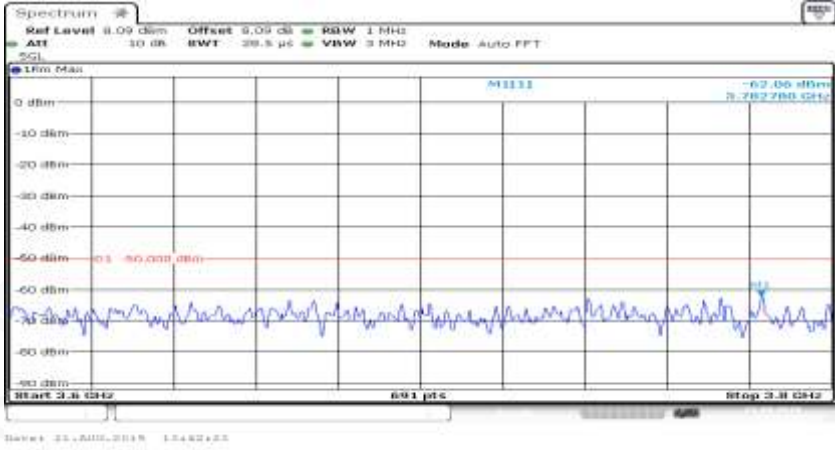


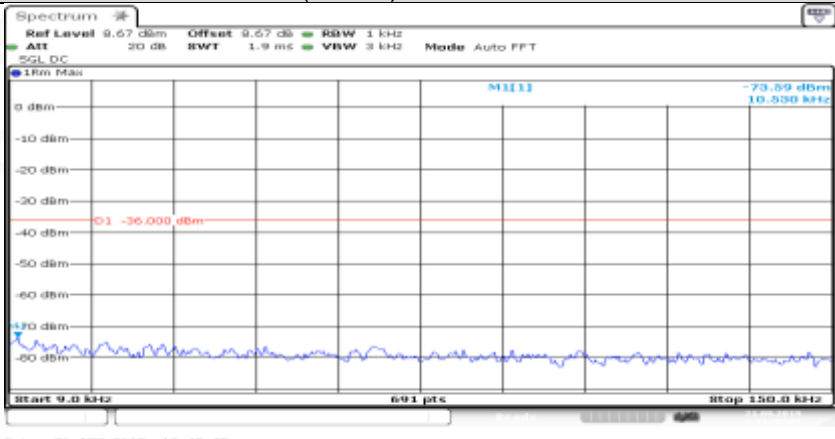
Co-existence	
Co-existence	
Co-existence	



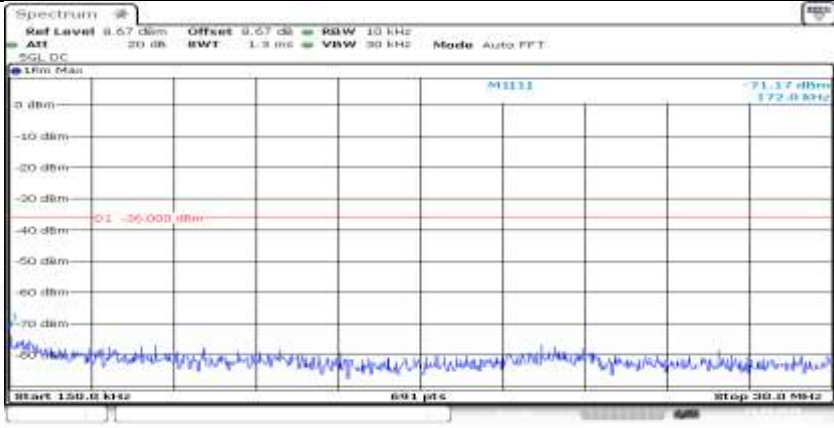

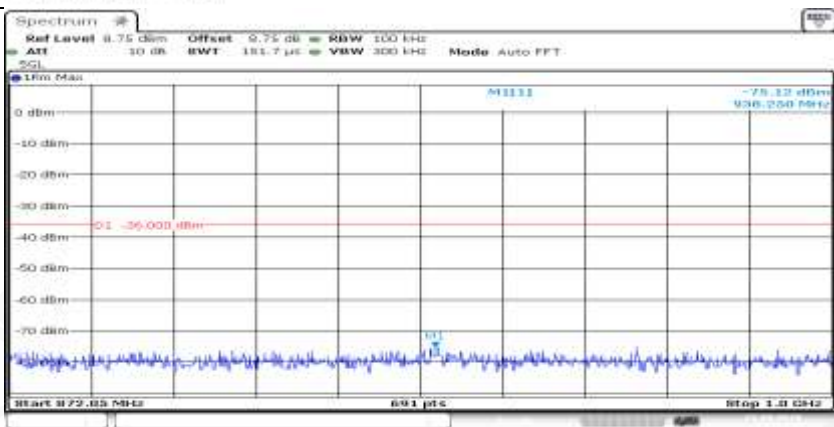
Co-existence	
Co-existence	
Co-existence	



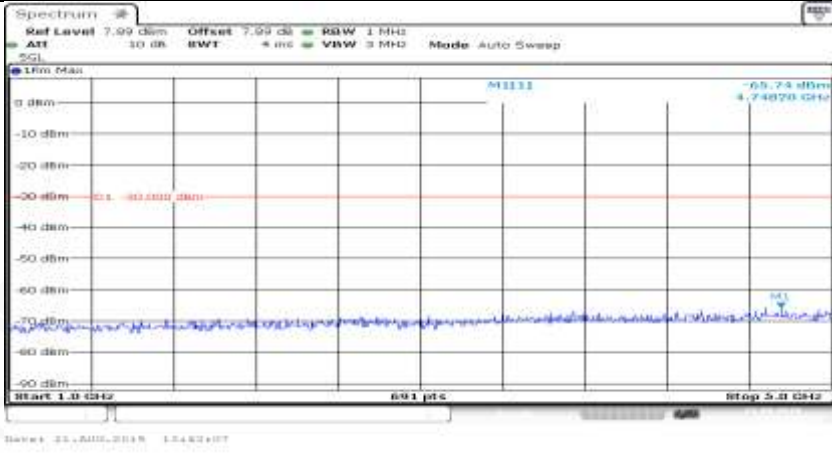
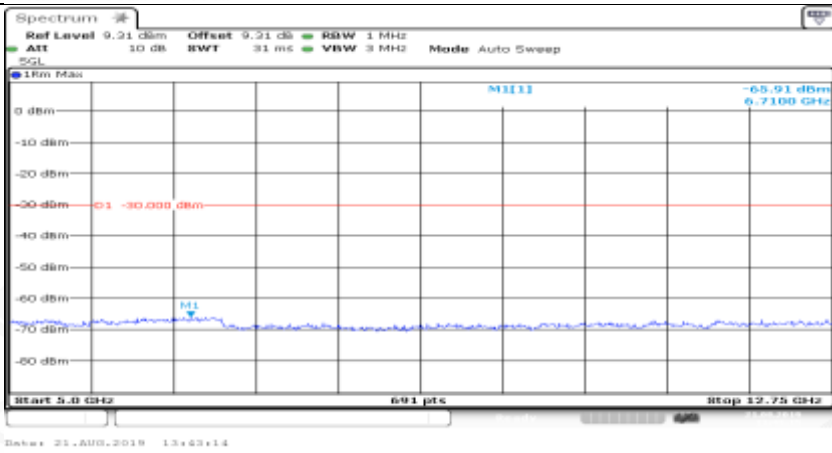
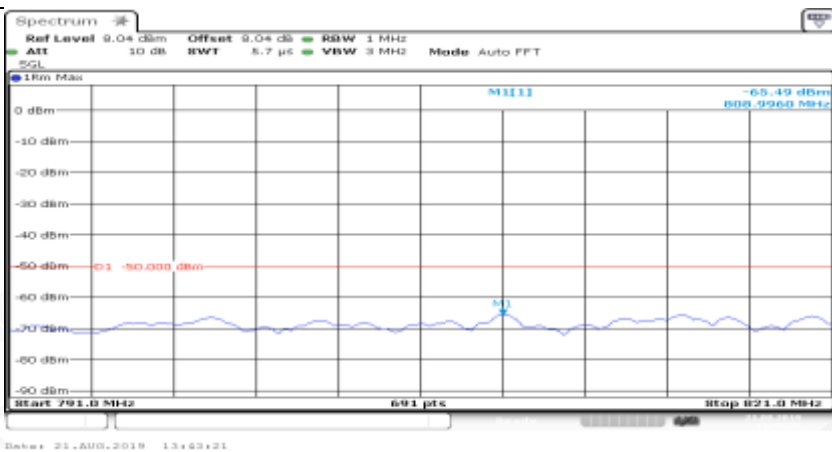
Co-existence	
Co-existence	
Additional	NA

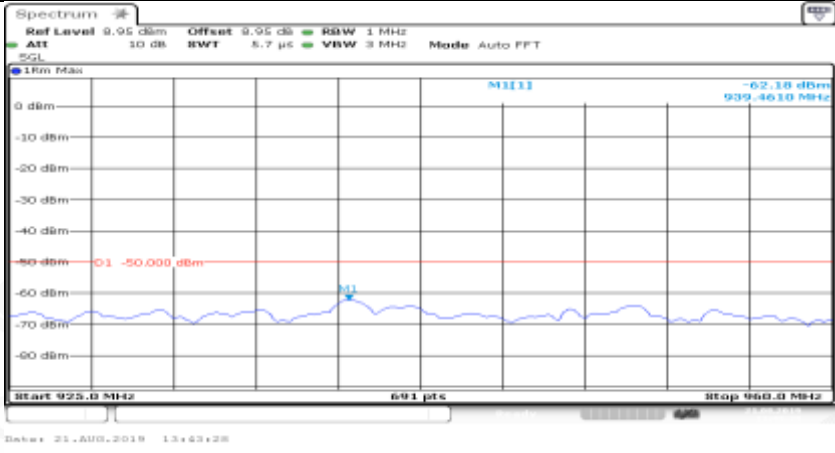

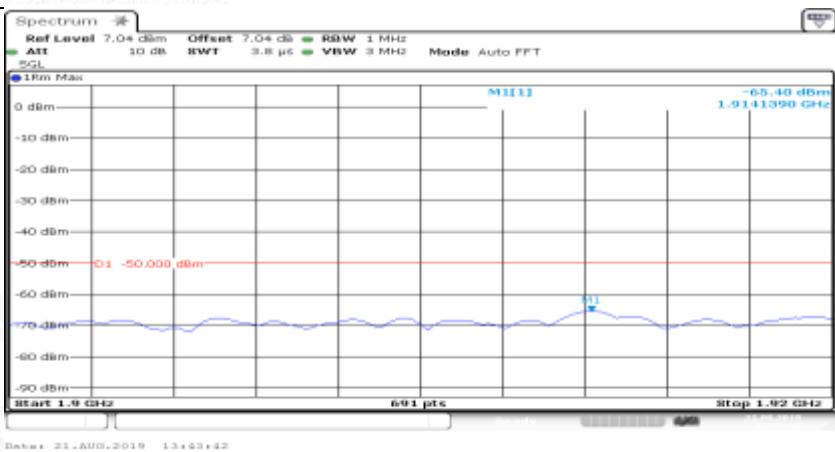
Channel Bandwidth=Lowest (5 MHz)_QPSK_HCH_FullRB#0	
General	



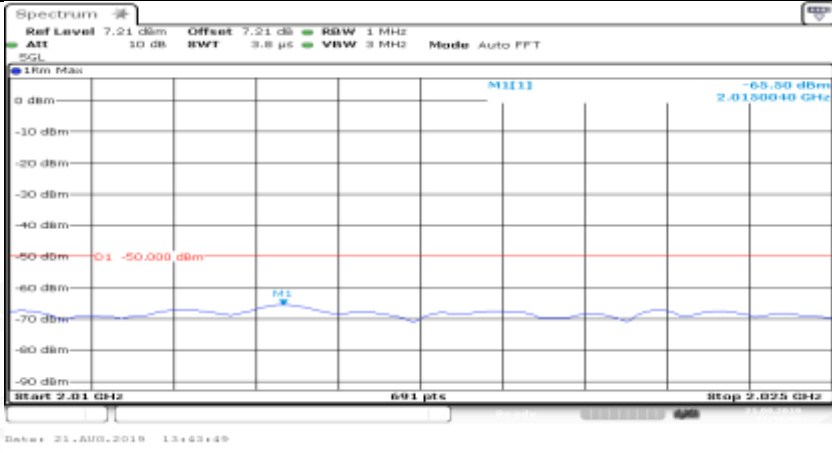

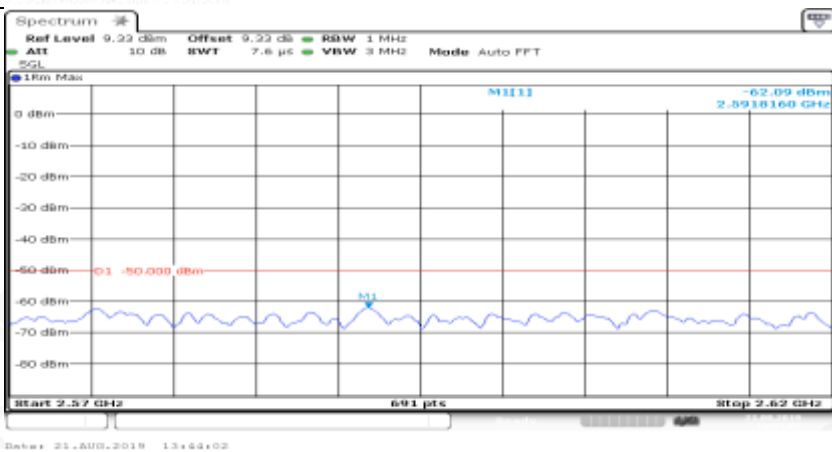
General	
General	
General	


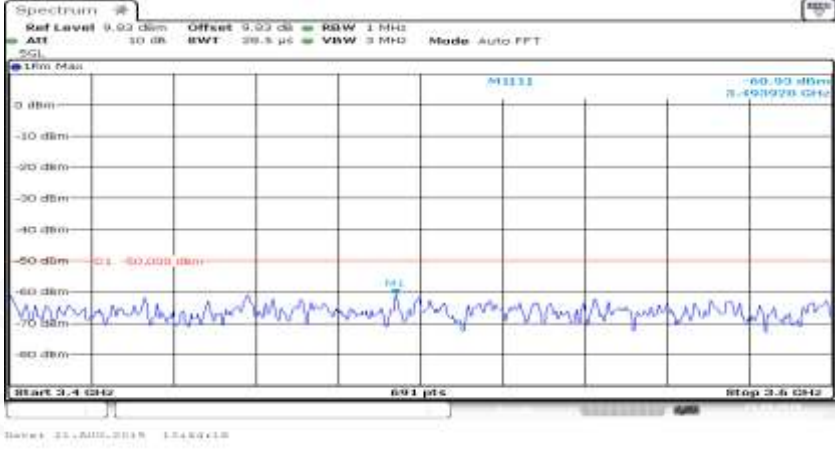
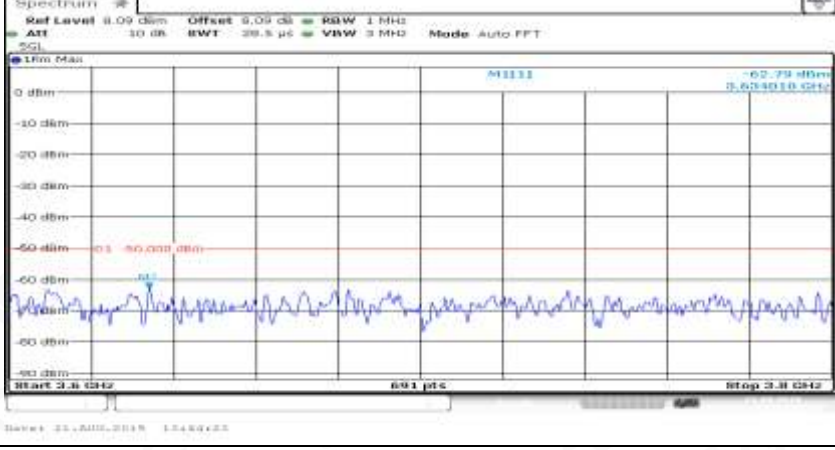


General	
General	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

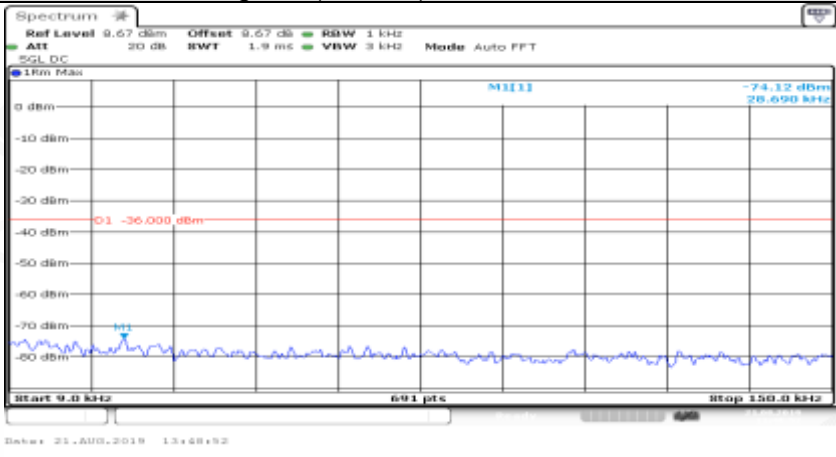
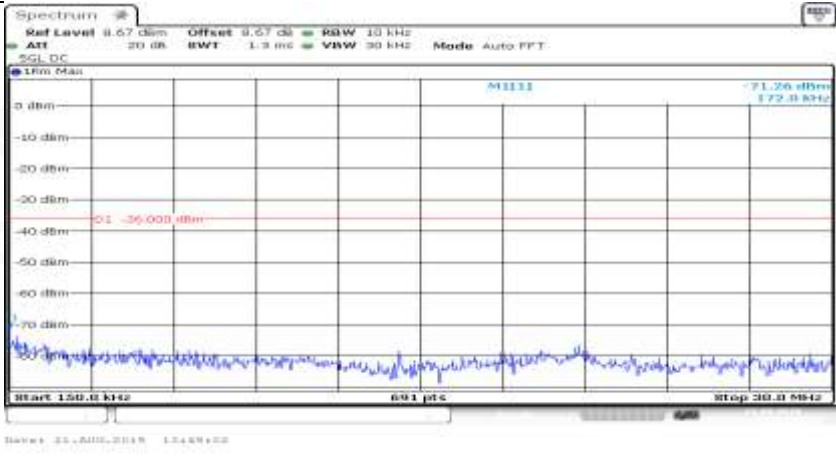
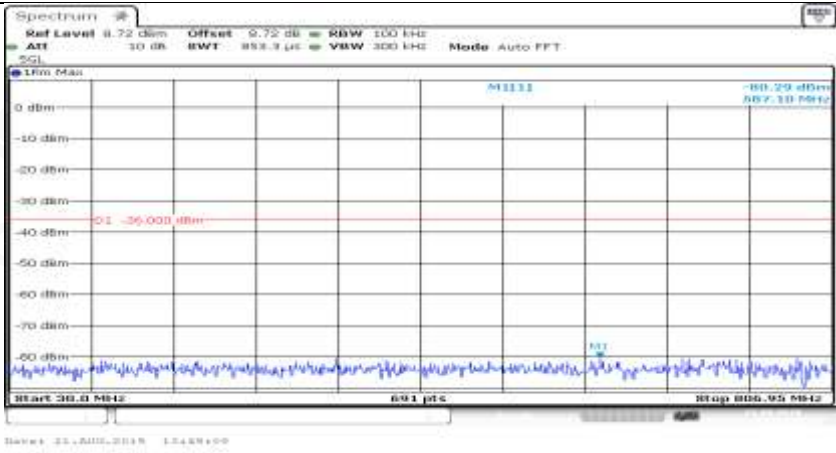


Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth= (20 MHz)

Channel Bandwidth=Highest (20 MHz)\_QPSK\_LCH\_1RB#0

General	
General	
General	



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

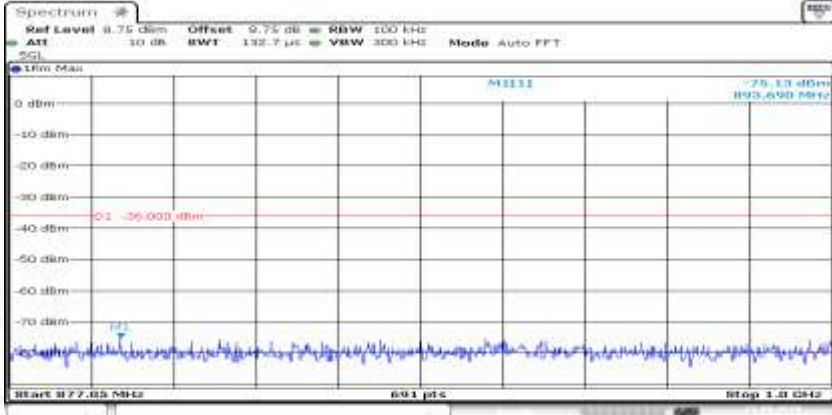
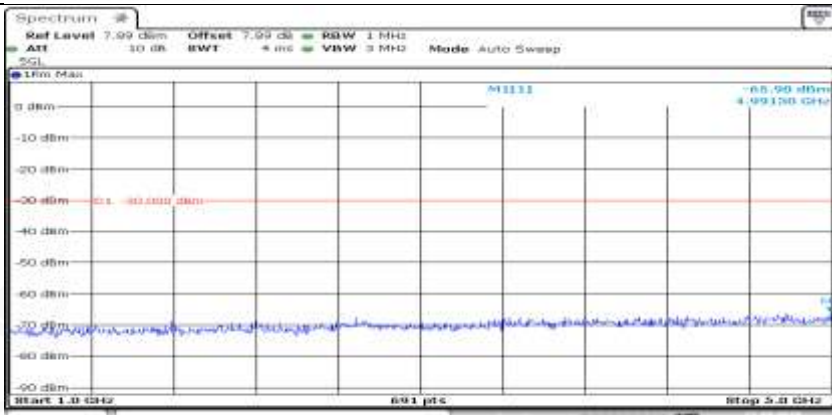
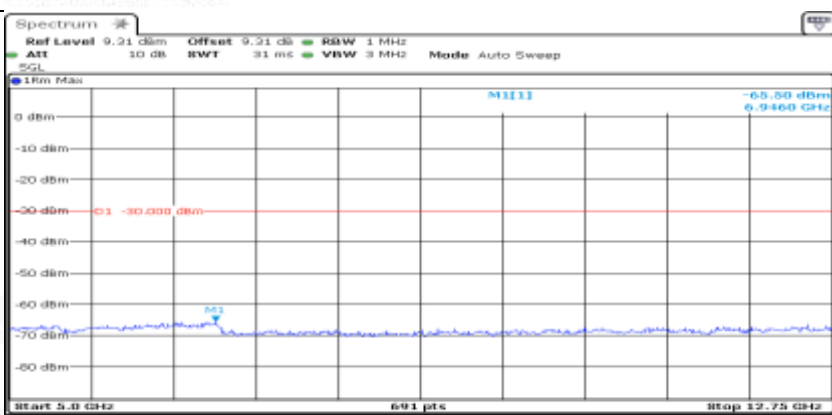
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

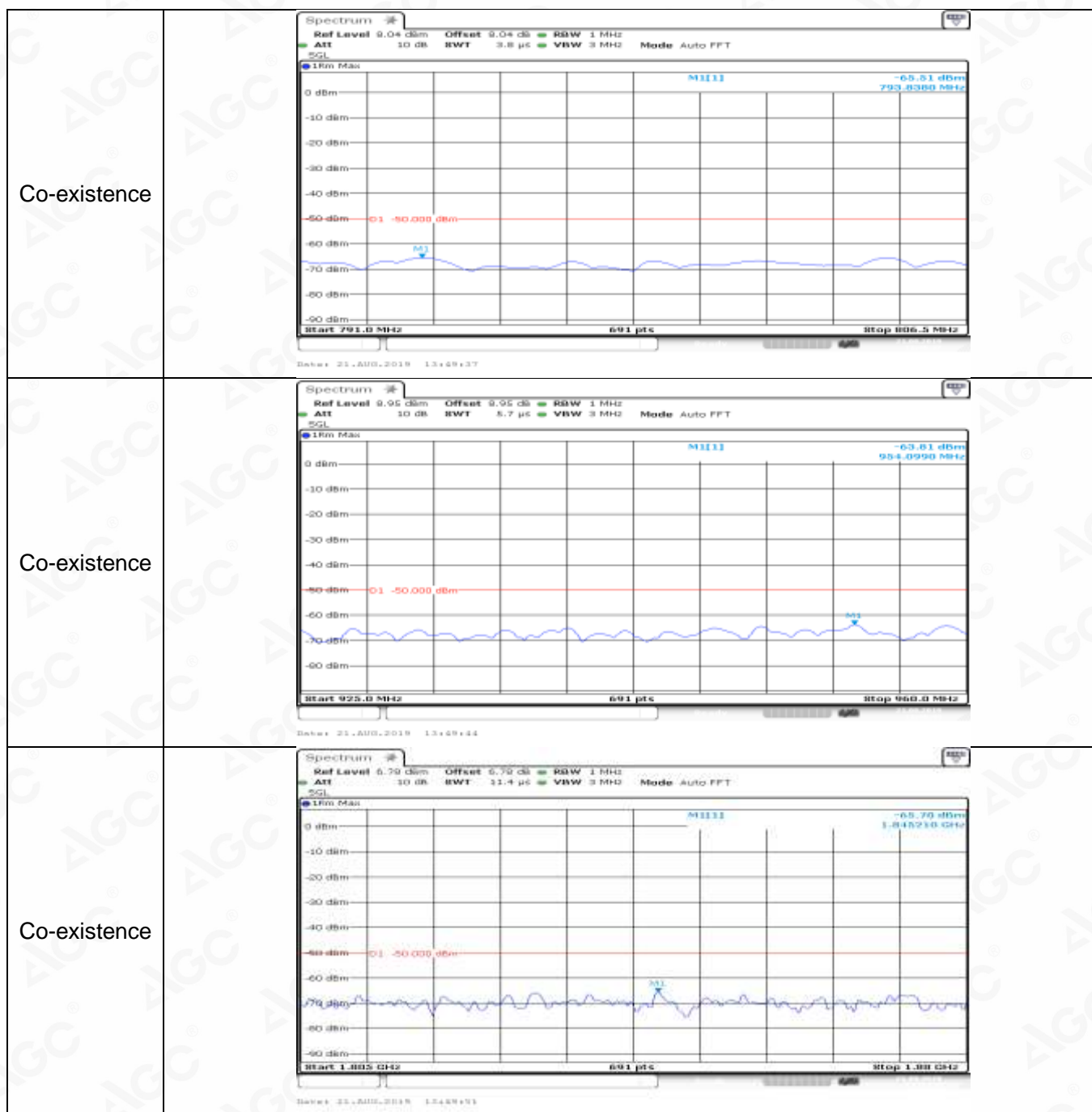
E-mail: agc@agc-cert.com

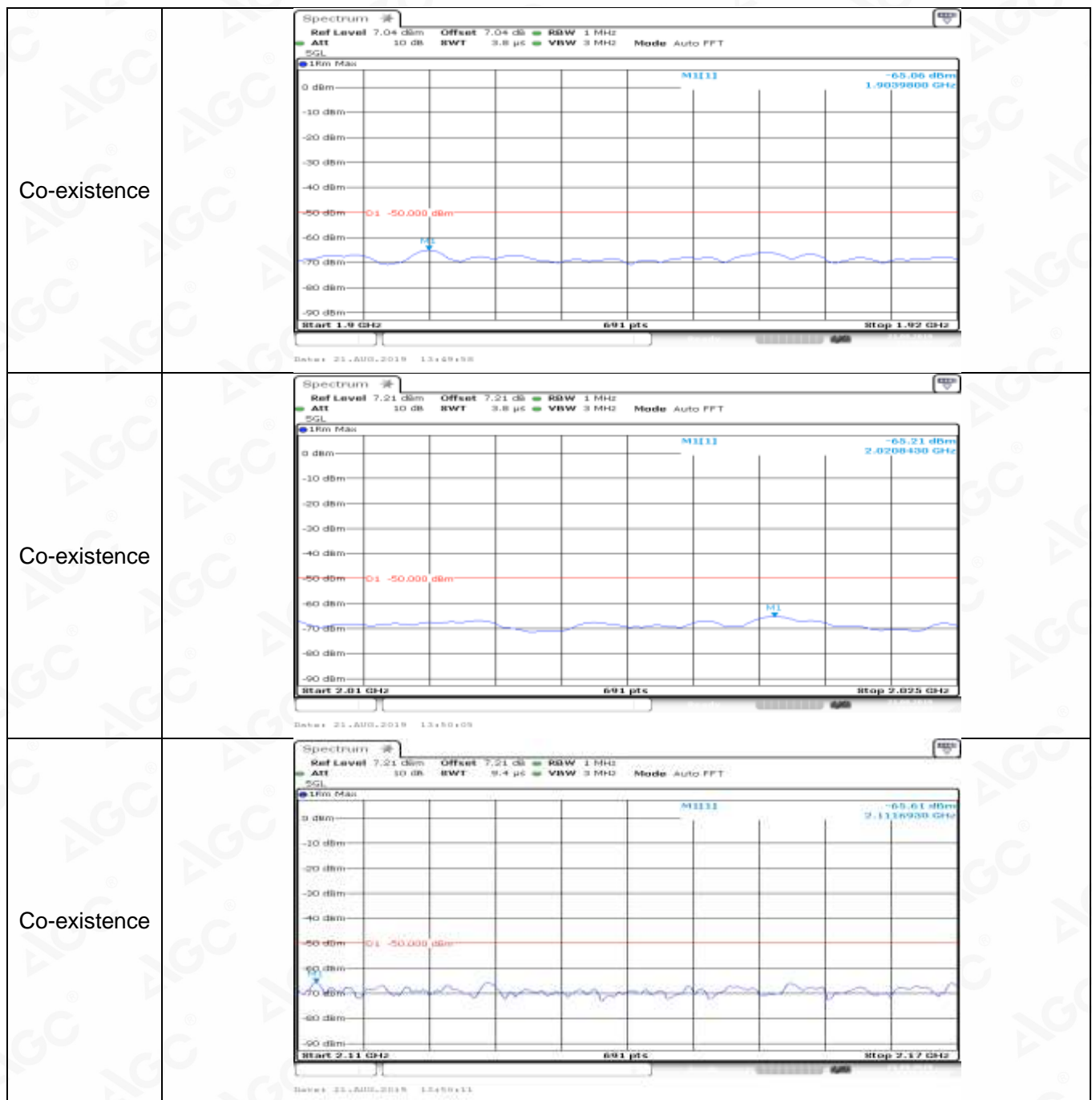
Service Hotline: 400 089 2118



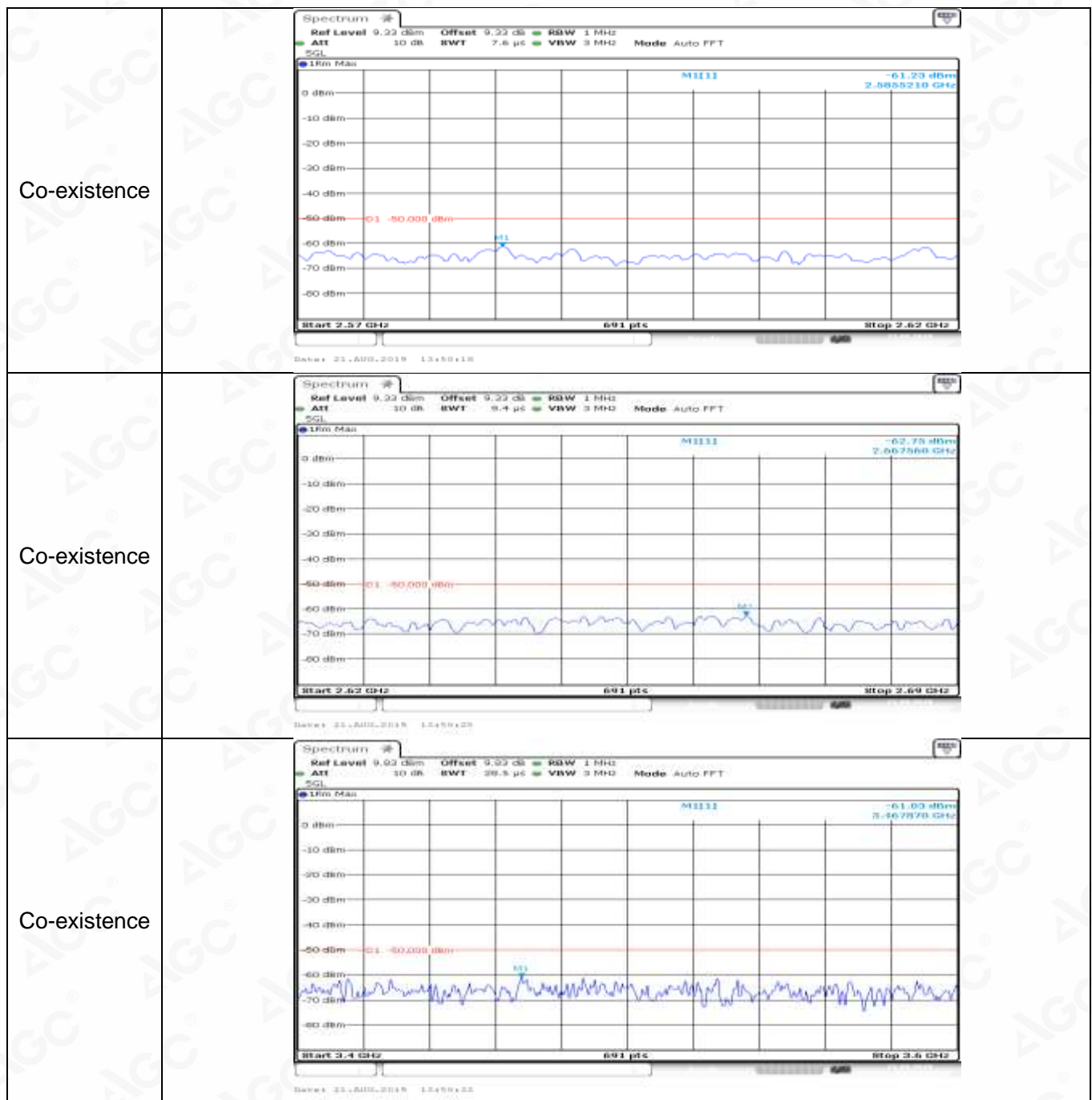
General	
General	
General	

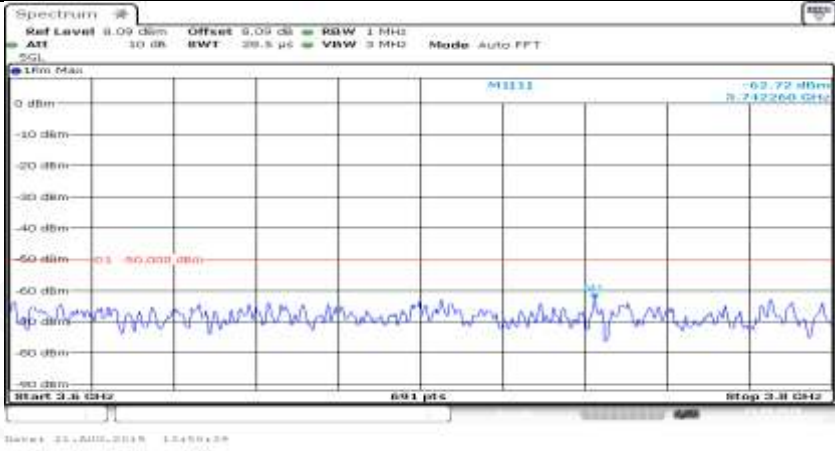


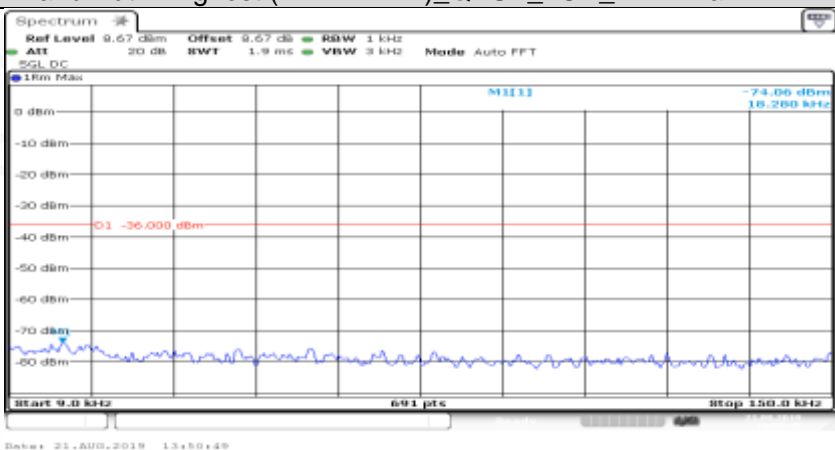
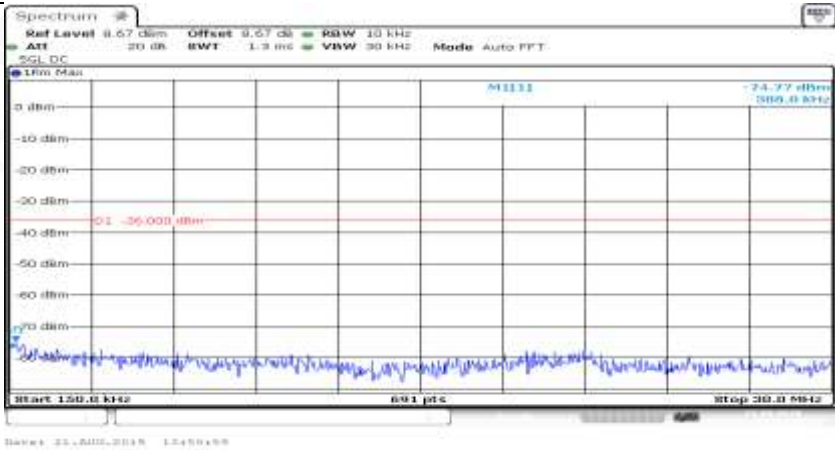


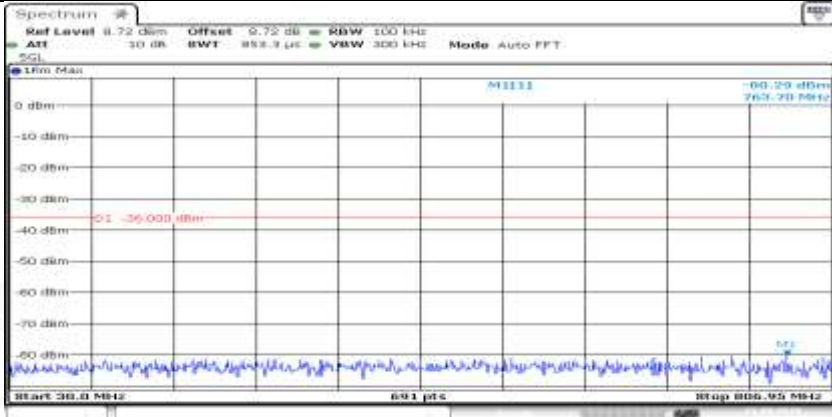
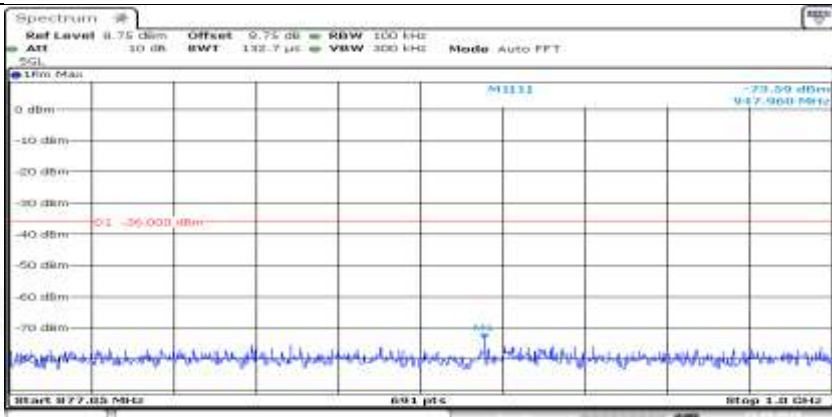
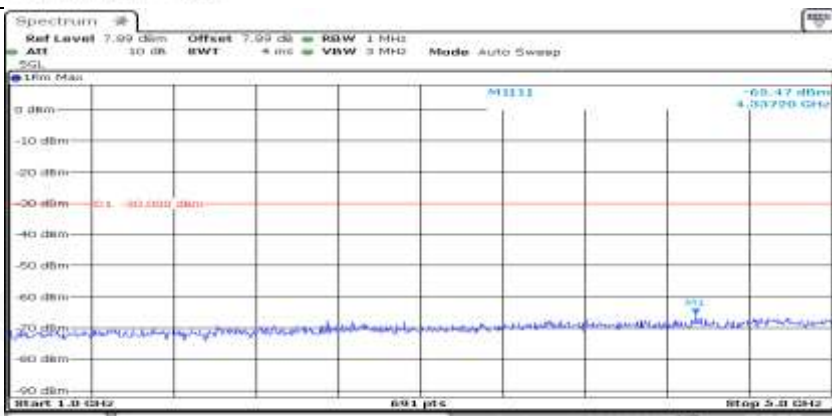




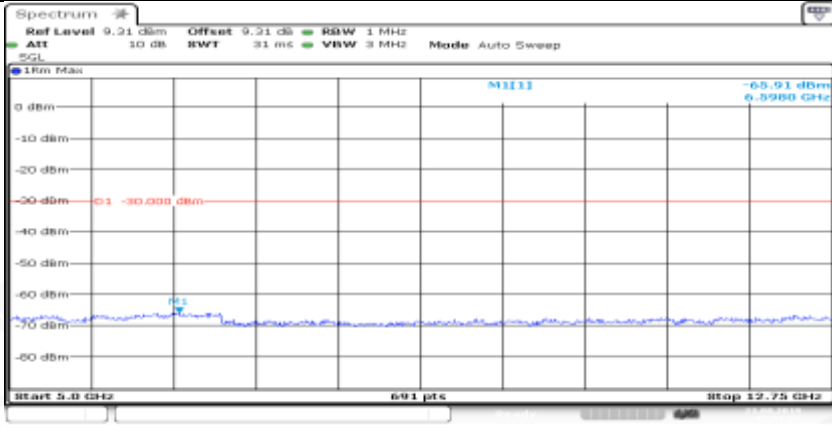
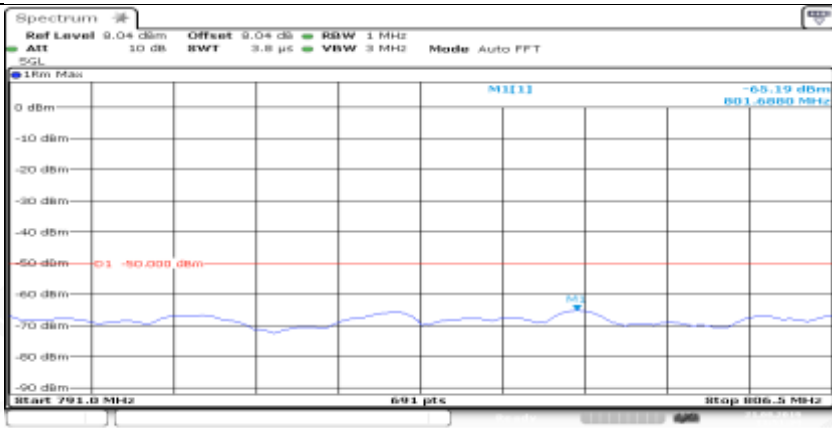
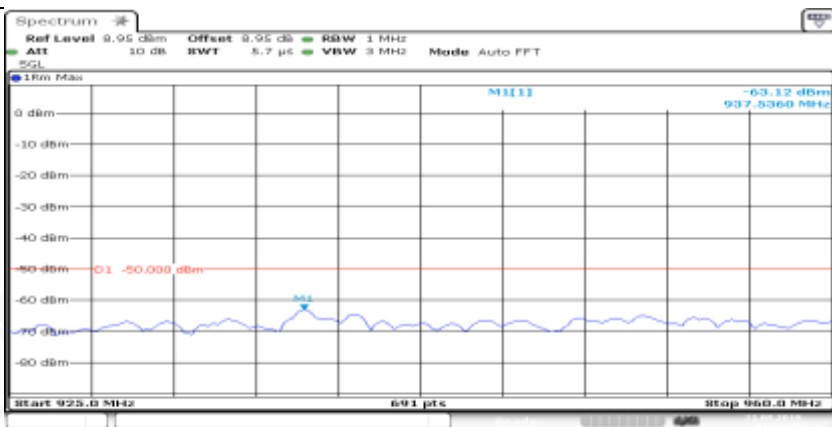



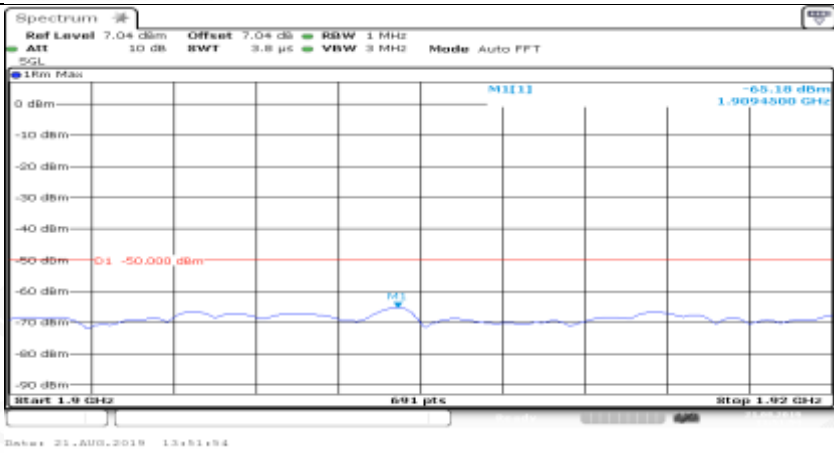
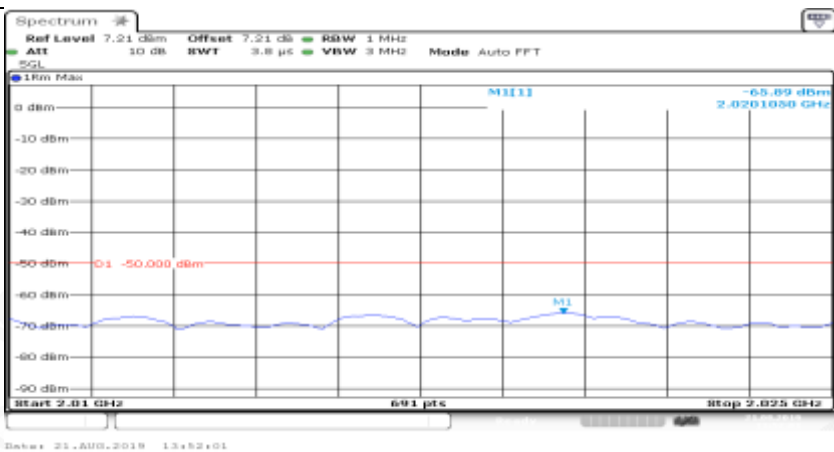
Co-existence	
Additional	NA

Channel Bandwidth=Highest (#BWH MHz)_QPSK_LCH_1RB#max	
General	
General	


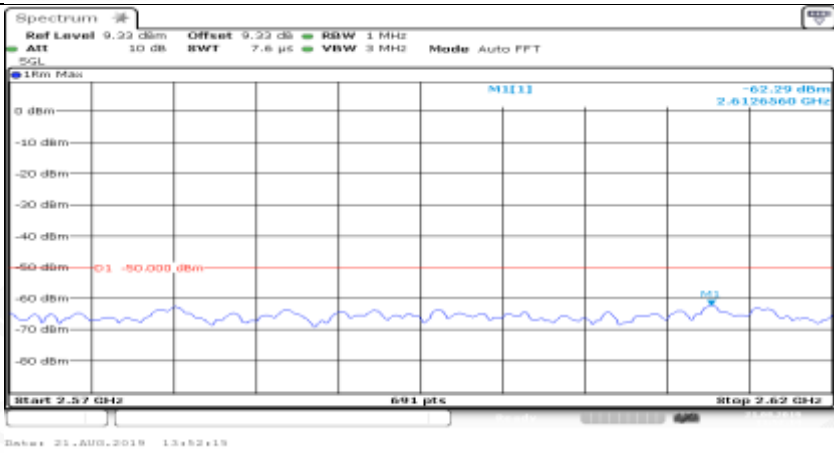
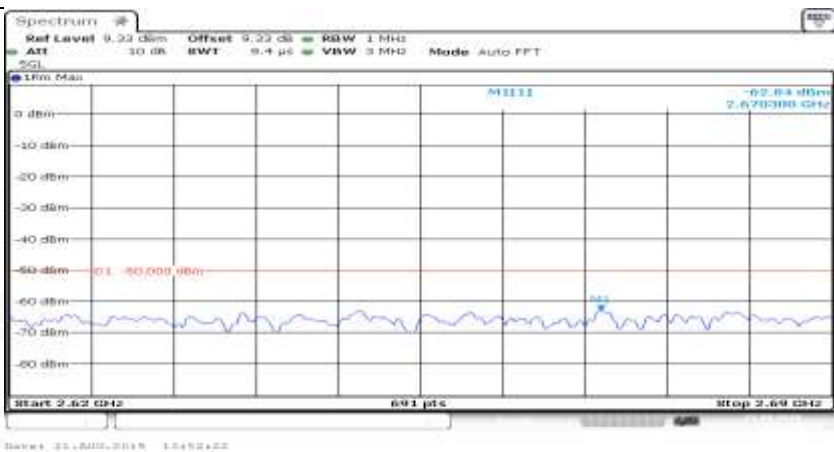
General	
General	
General	



General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 MHz VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz</p> <p>691 pts</p> <p>Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 13:51:27</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB RBW 1 MHz</p> <p>ATT 10 dB BW 3.8 MHz VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz</p> <p>691 pts</p> <p>Stop 806.5 MHz</p> <p>Date: 21.AUG.2019 13:51:33</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB RBW 1 MHz</p> <p>ATT 10 dB BW 5.7 MHz VBW 3 MHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz</p> <p>691 pts</p> <p>Stop 940.0 MHz</p> <p>Date: 21.AUG.2019 13:51:40</p>


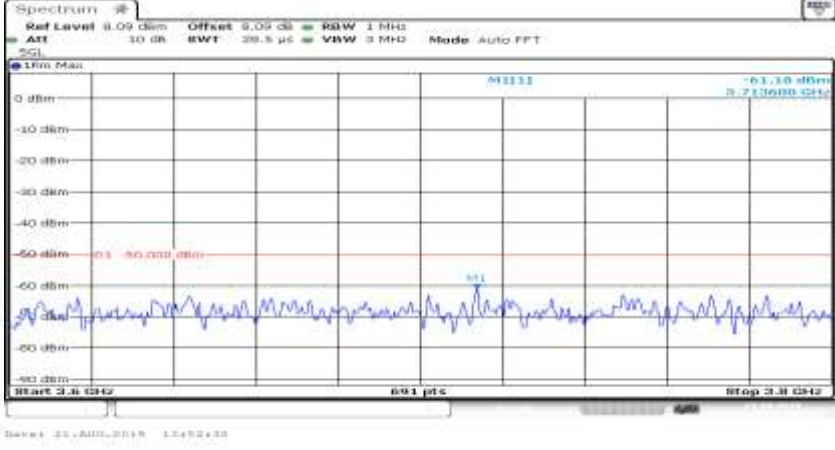
Co-existence	
Co-existence	
Co-existence	

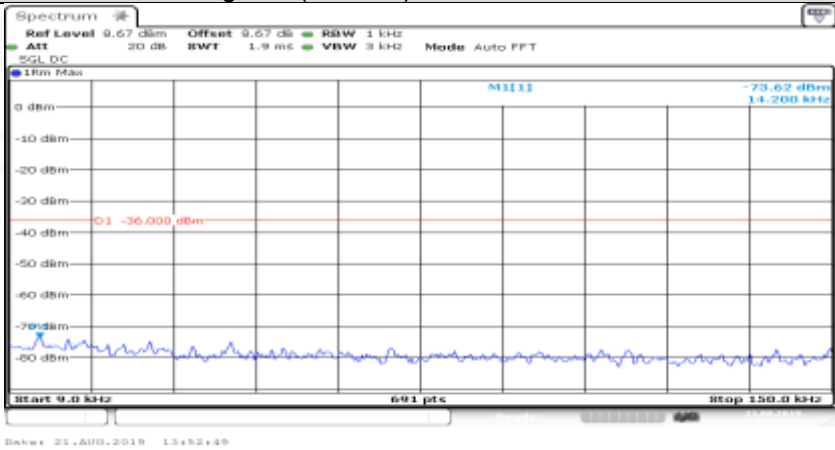


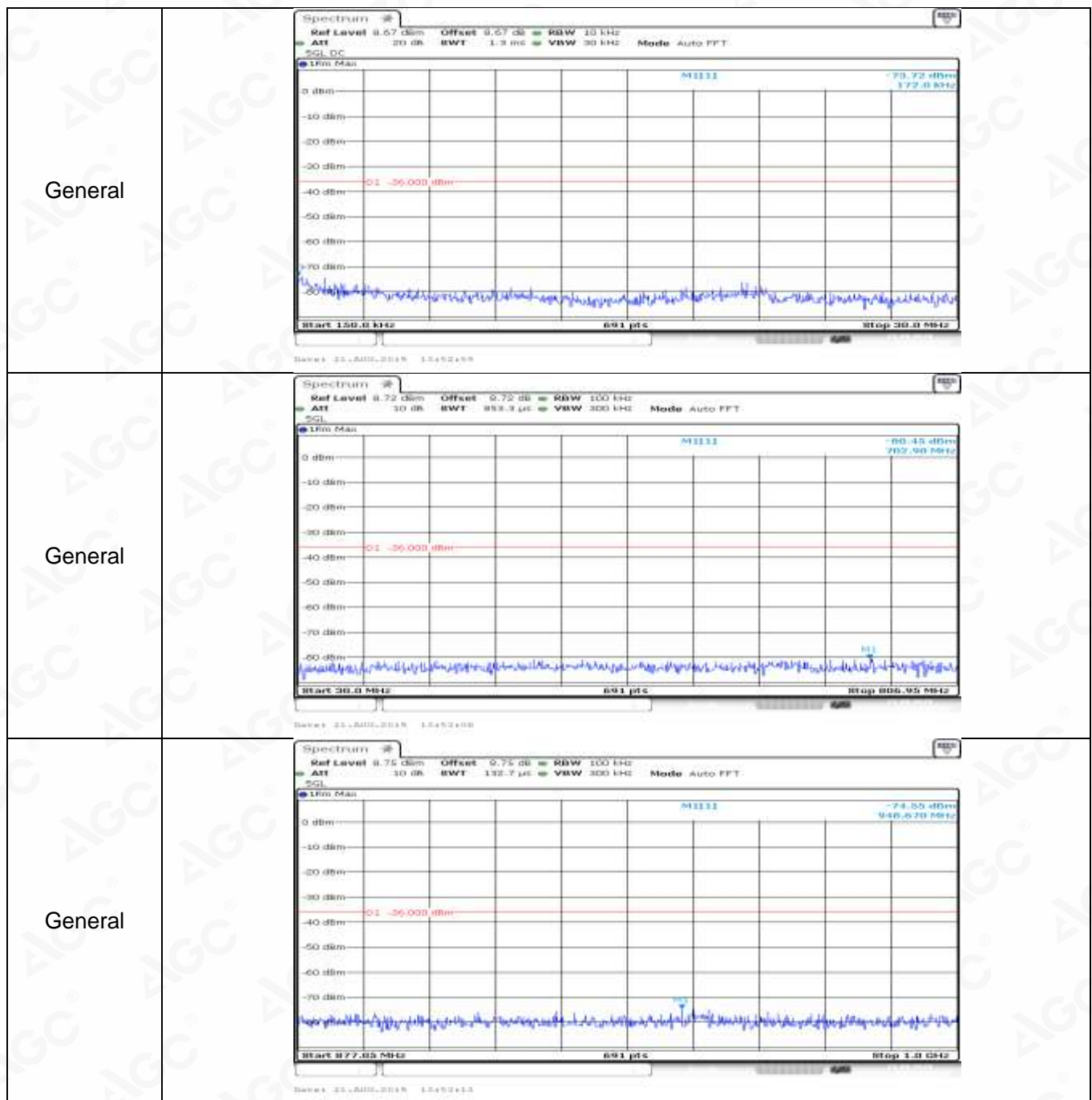
Co-existence	
Co-existence	
Co-existence	

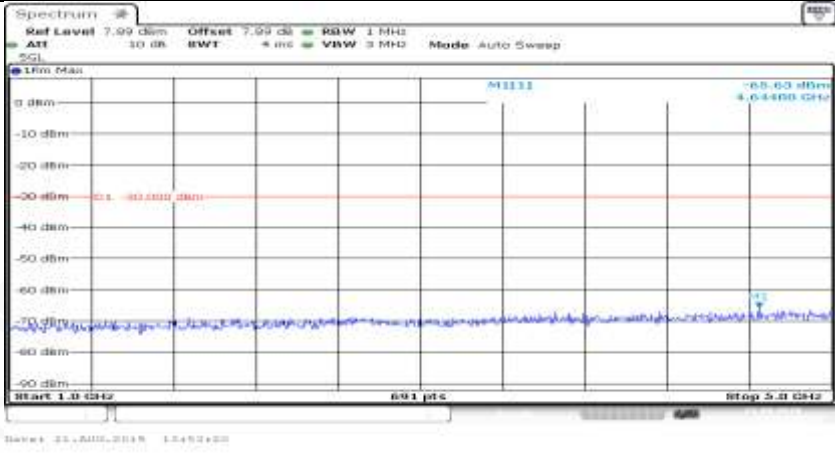
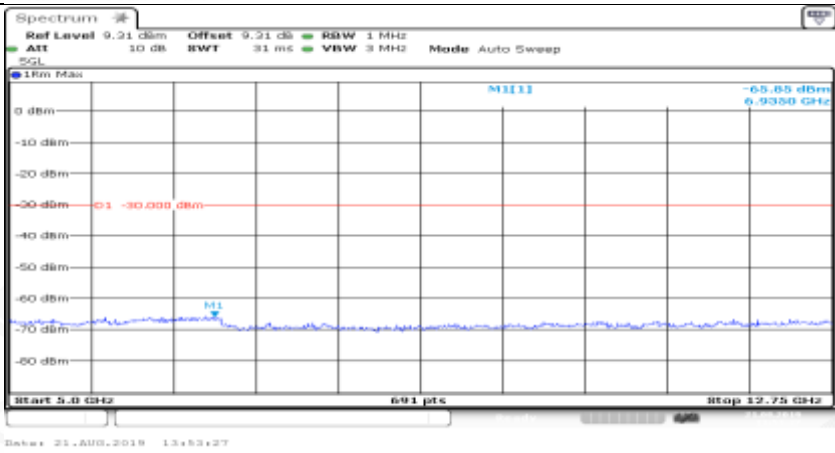
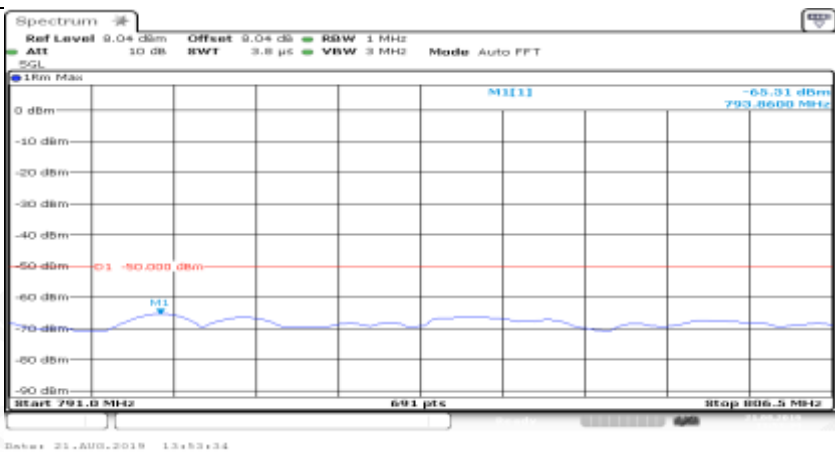




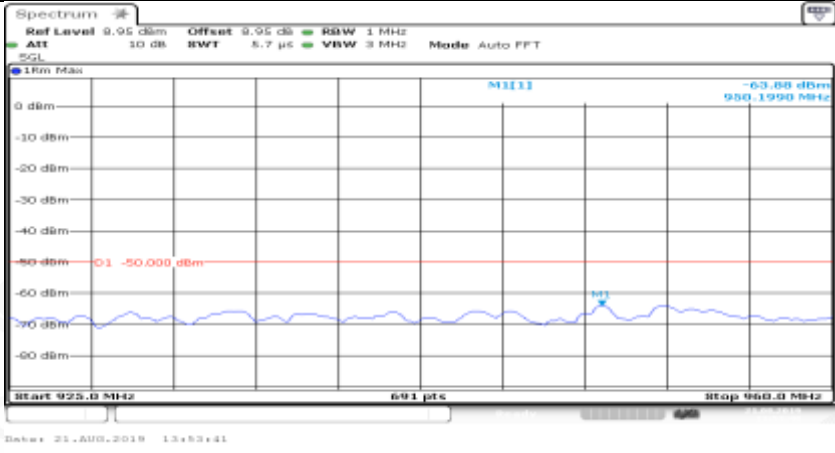

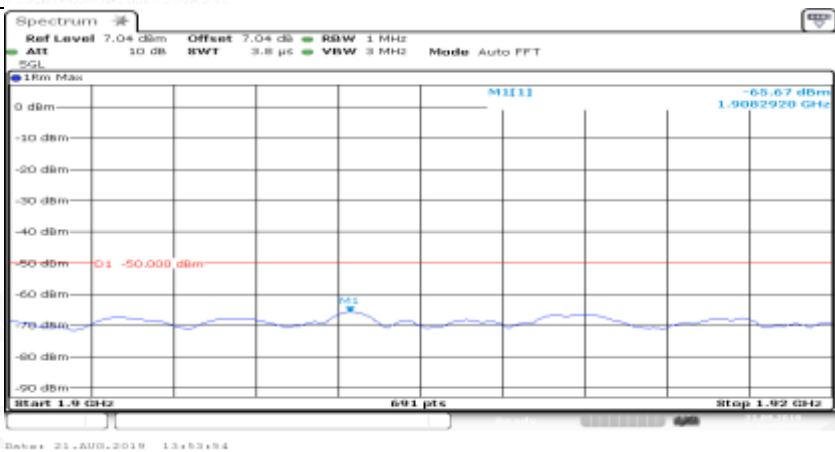
Co-existence	
Co-existence	
Additional	NA

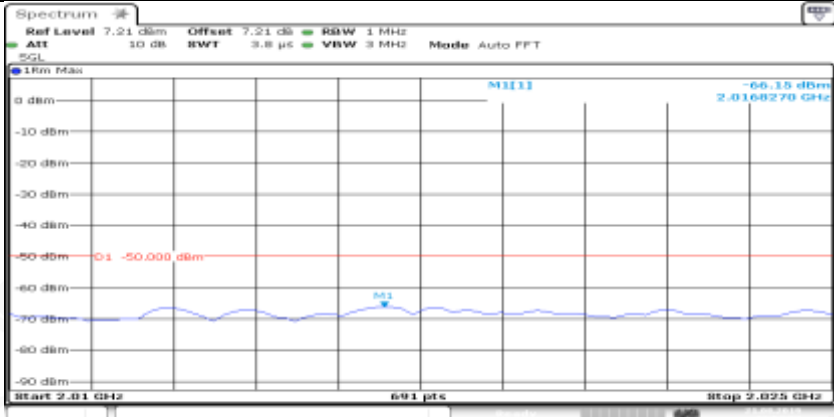
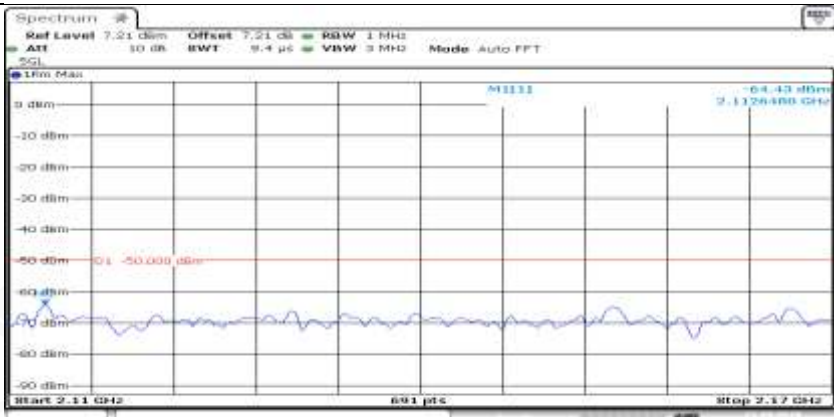
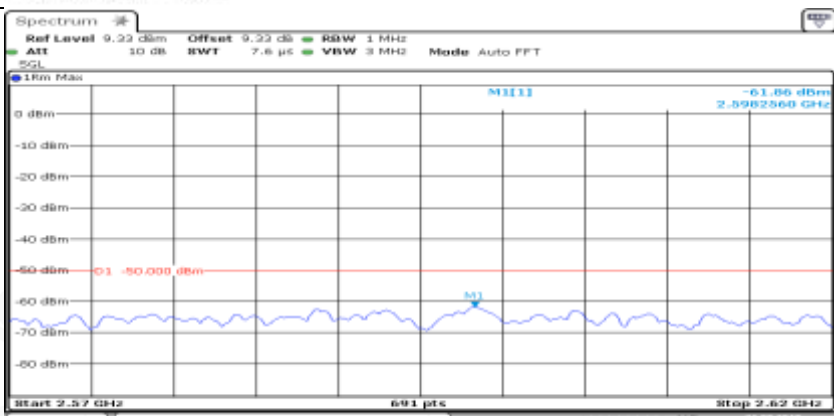
Channel Bandwidth=Highest (20 MHz)_QPSK_LCH_FullRB#0	
General	




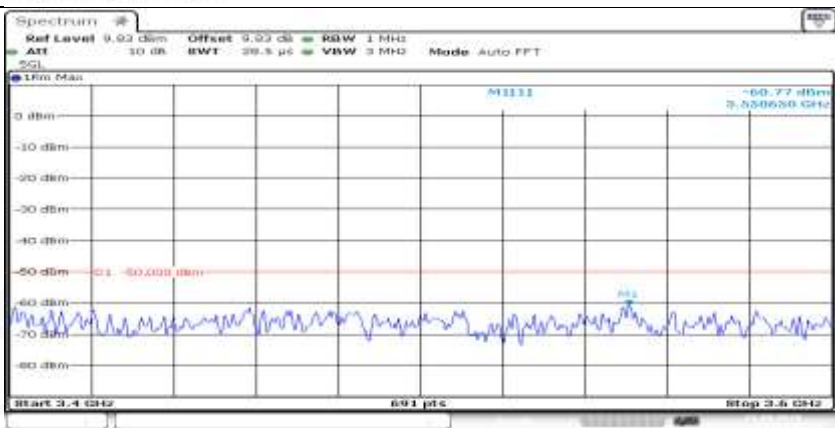
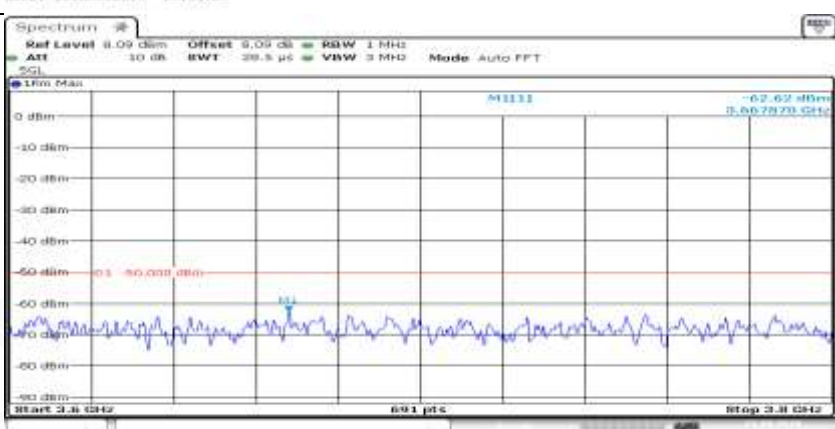
General	
General	
Co-existence	



Co-existence	
Co-existence	
Co-existence	

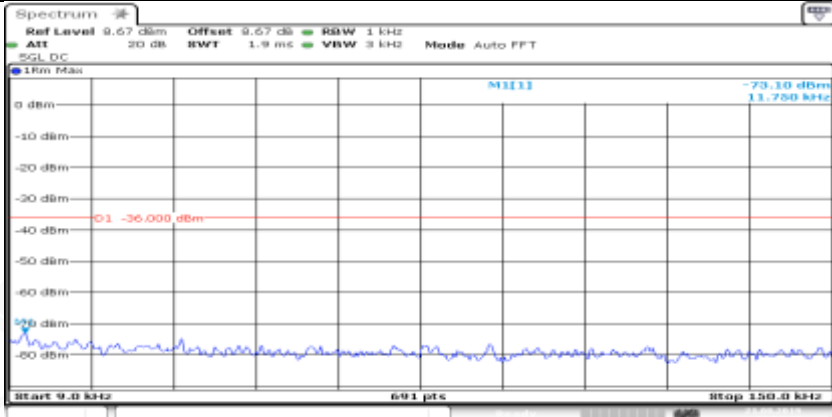
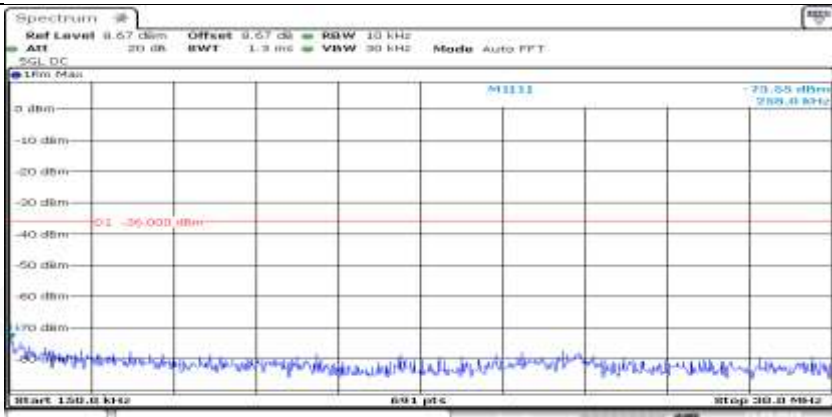
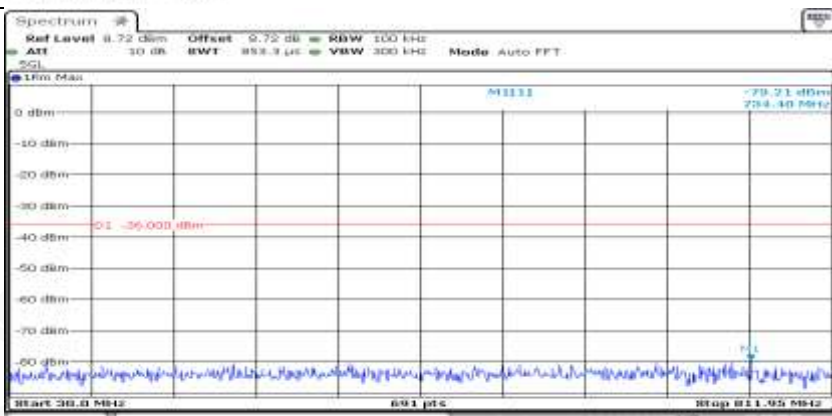
Co-existence	 <p>Spectrum plot showing a signal at 2.01 GHz. The y-axis represents power in dBm, ranging from 0 to -90. The x-axis represents frequency in GHz, ranging from 2.01 to 2.025. A red line indicates a limit at -50.000 dBm. The signal level is marked as -66.15 dBm at 2.0168270 GHz.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.11 GHz. The y-axis represents power in dBm, ranging from 0 to -90. The x-axis represents frequency in GHz, ranging from 2.11 to 2.12. A red line indicates a limit at -50.000 dBm. The signal level is marked as -64.43 dBm at 2.1126488 GHz.</p>
Co-existence	 <p>Spectrum plot showing a signal at 2.57 GHz. The y-axis represents power in dBm, ranging from 0 to -90. The x-axis represents frequency in GHz, ranging from 2.57 to 2.58. A red line indicates a limit at -50.000 dBm. The signal level is marked as -61.65 dBm at 2.5982560 GHz.</p>

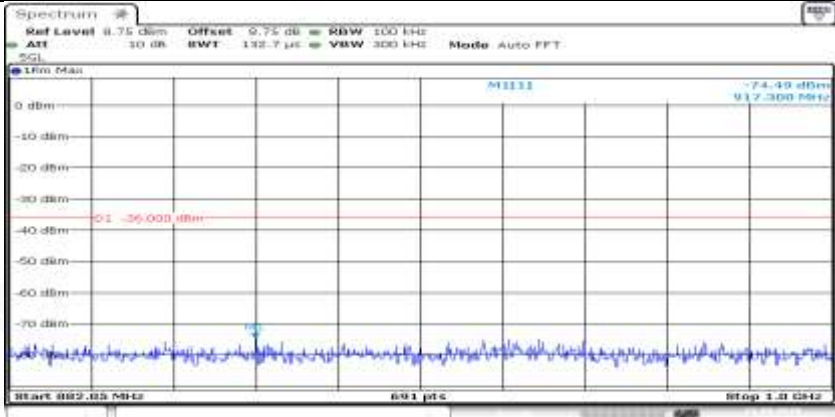
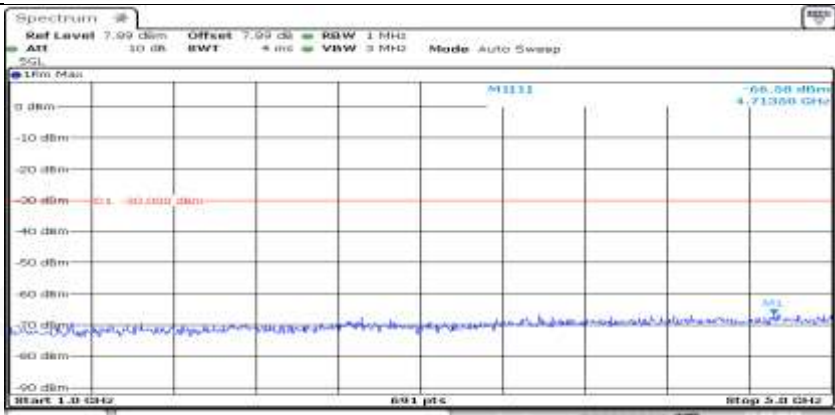
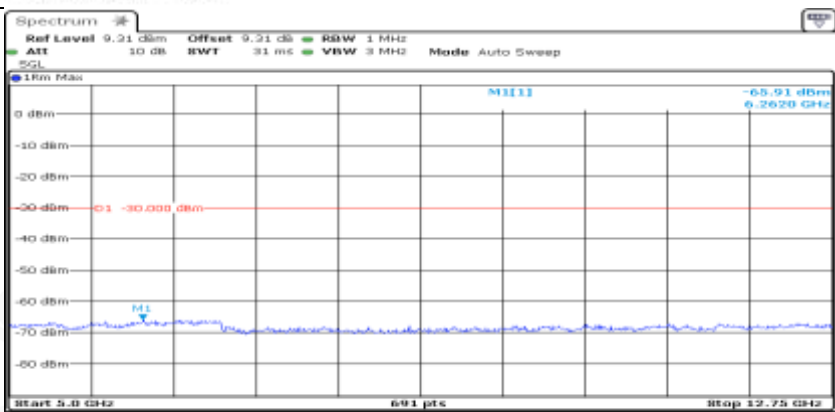


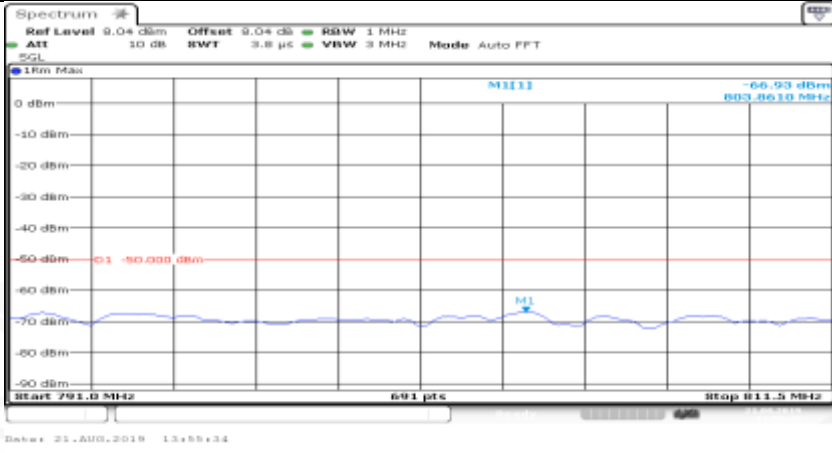
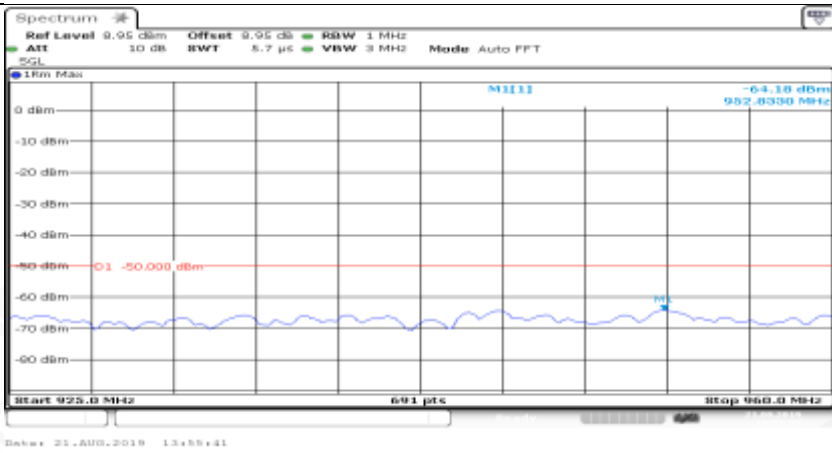
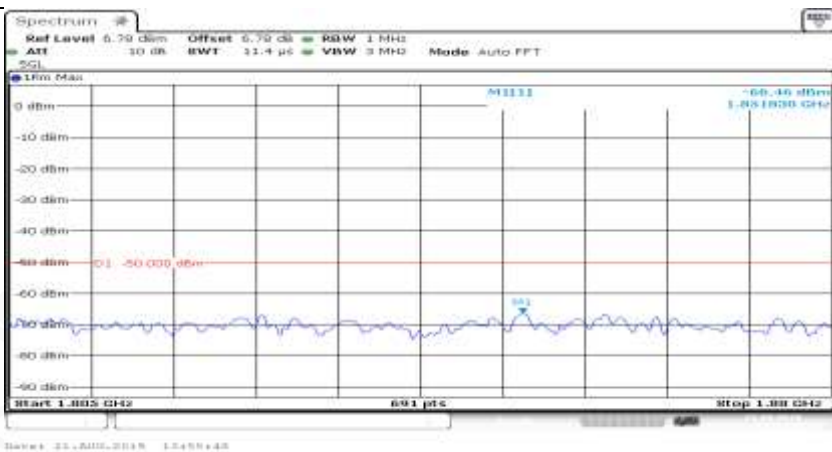
Co-existence	
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)\_QPSK\_MCH\_1RB#0



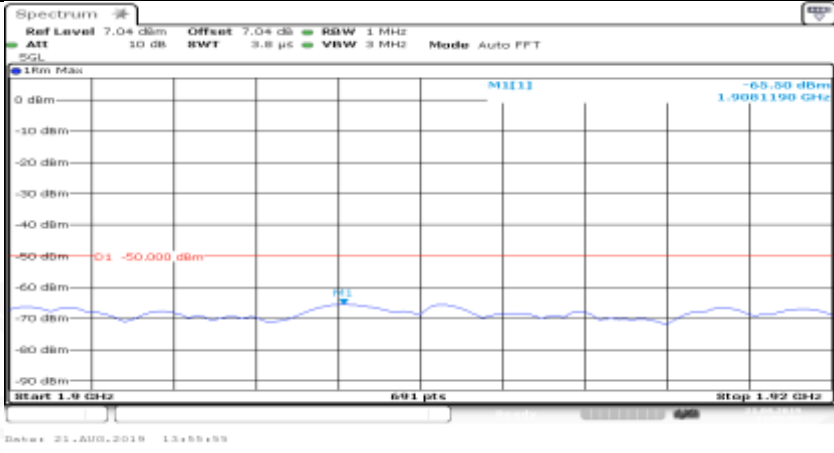
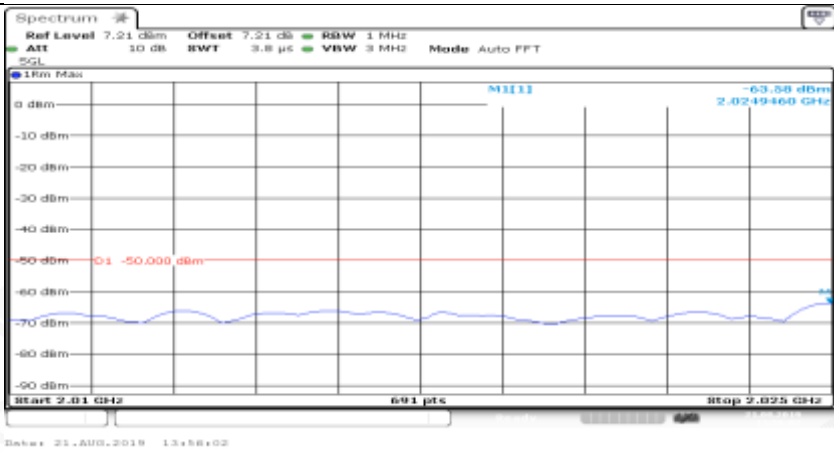
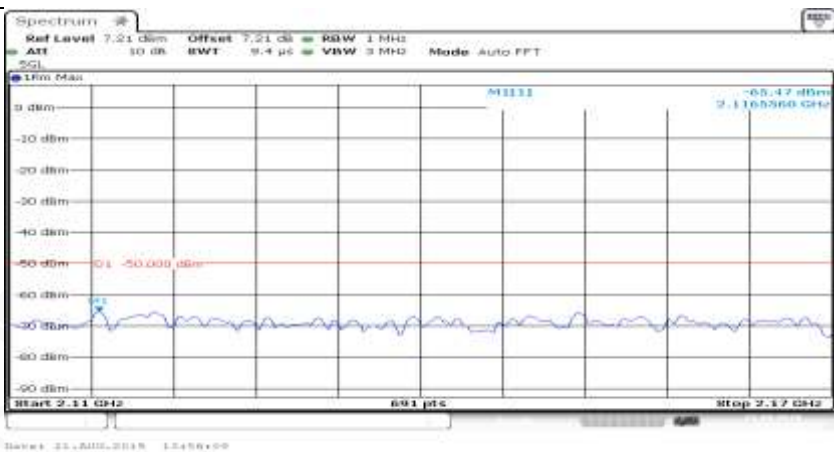
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -73.10 dBm</p> <p>-10 dBm 11.750 kHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 21.AUG.2019 13:52:50</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -73.55 dBm</p> <p>-10 dBm 200.0 MHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Date: 21.AUG.2019 13:52:50</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 852.3 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>0 dBm -73.71 dBm</p> <p>-10 dBm 200.40 MHz</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm -36.000 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 200.0 MHz 691 pts Stop 1.95 MHz</p> <p>Date: 21.AUG.2019 13:53:00</p>

General	 <p>Spectrum Ref Level 8.75 dBm Offset 0.75 dB RBW 100 kHz ATT 10 dB BW 132.7 µs VBW 300 kHz Mode Auto FFT 1RM Max M1111 -74.40 dBm 917.300 MHz Start 882.05 MHz 691 pts Stop 891 MHz Date: 21.AUG.2018 13:55:13</p>
General	 <p>Spectrum Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep 1RM Max M1111 -66.00 dBm 4.71300 GHz Start 1.0 GHz 691 pts Stop 5.0 GHz Date: 21.AUG.2018 13:55:20</p>
General	 <p>Spectrum Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep 1RM Max M1111 -65.91 dBm 6.2620 GHz Start 5.0 GHz 691 pts Stop 12.75 GHz Date: 21.AUG.2018 13:55:27</p>

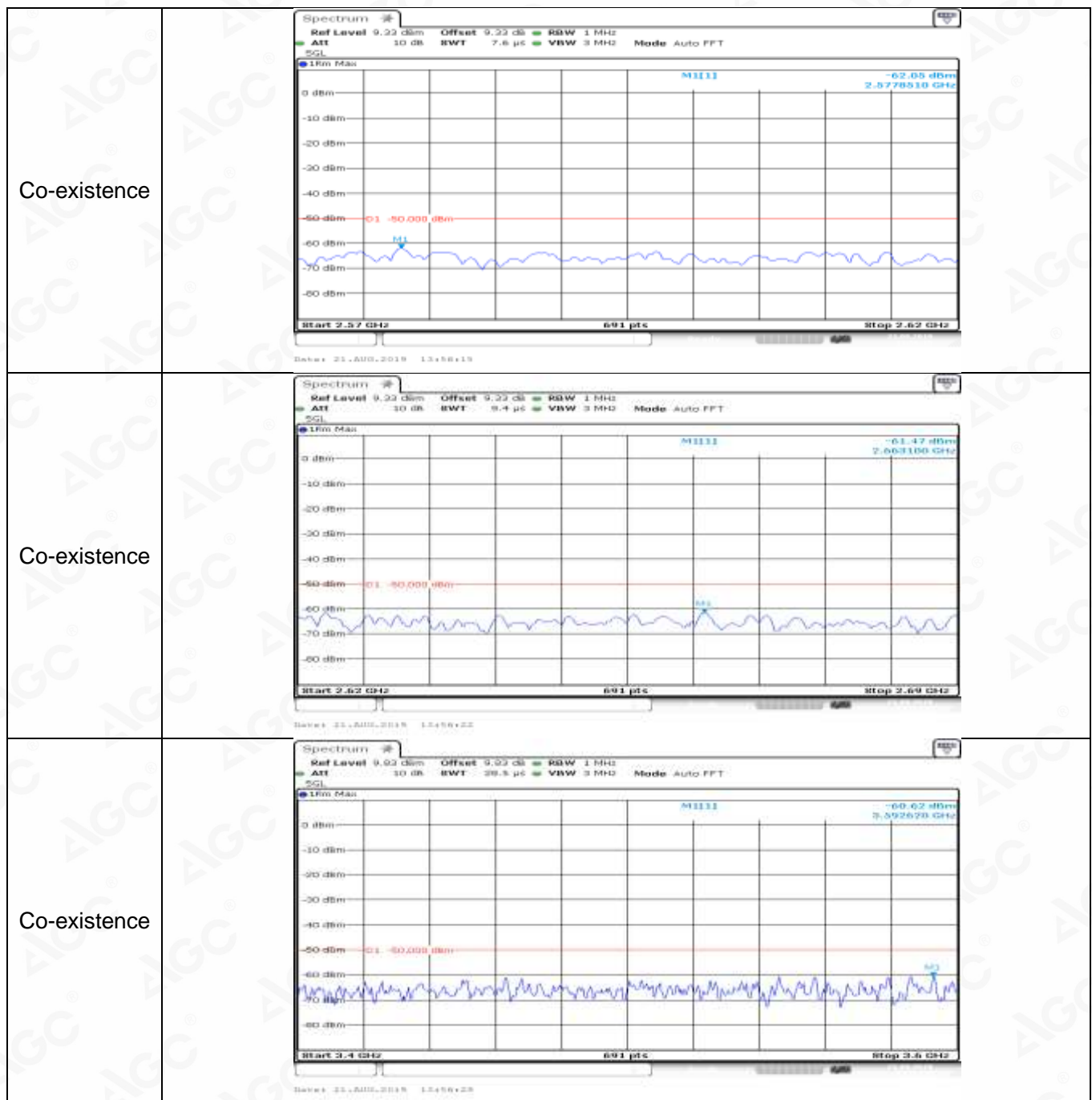
Co-existence	
Co-existence	
Co-existence	

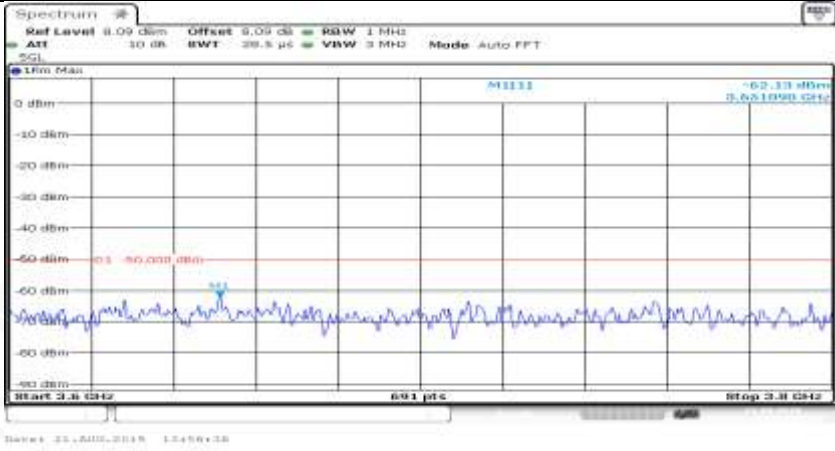


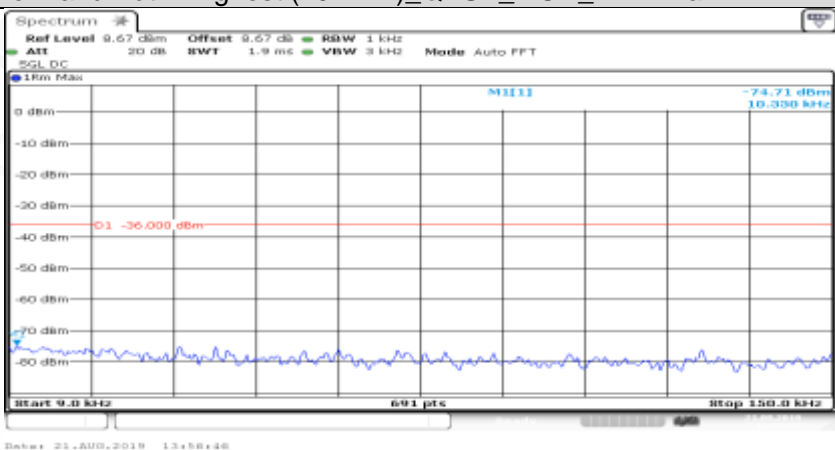
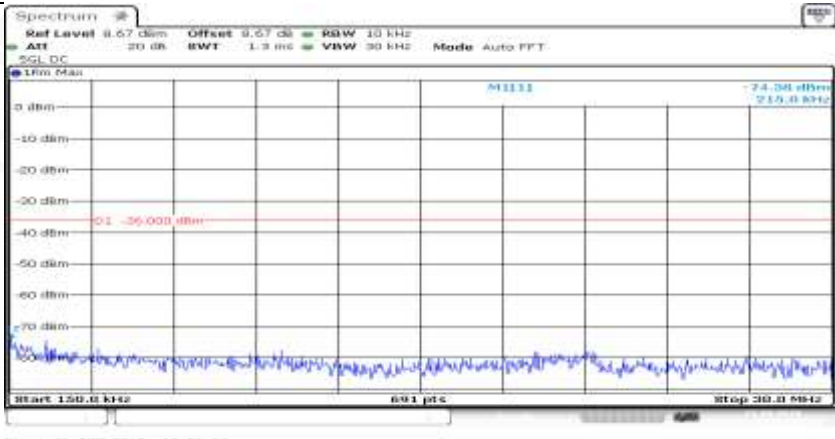


Co-existence	
Co-existence	
Co-existence	

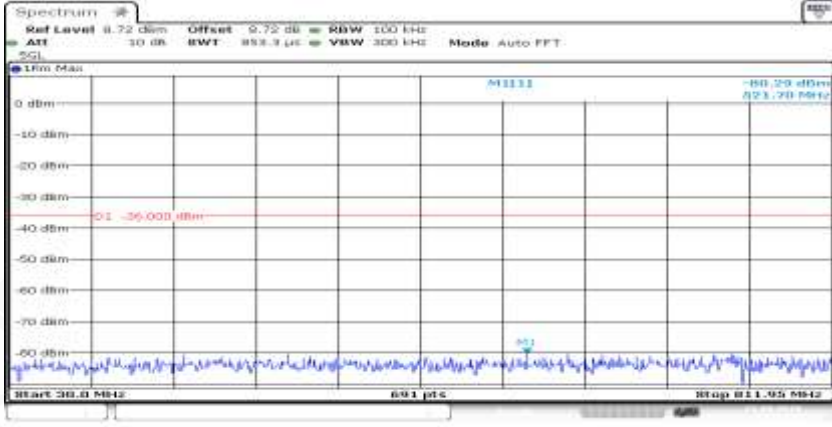
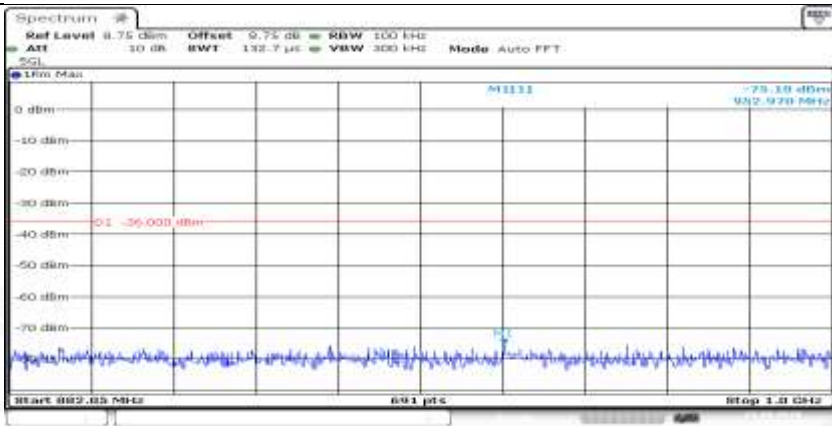
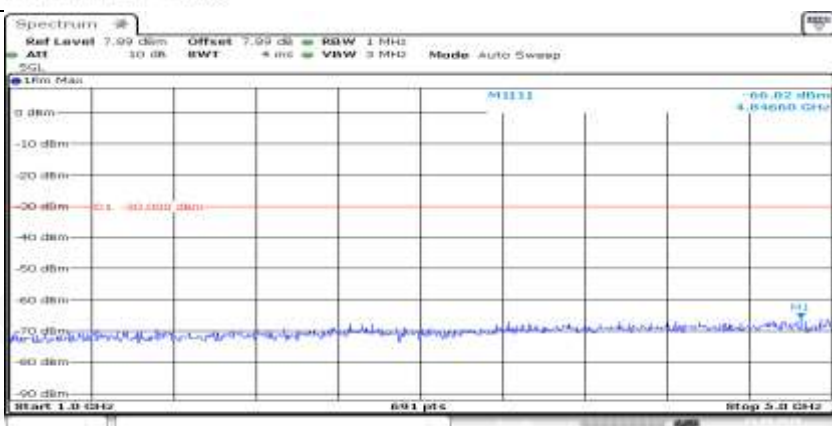


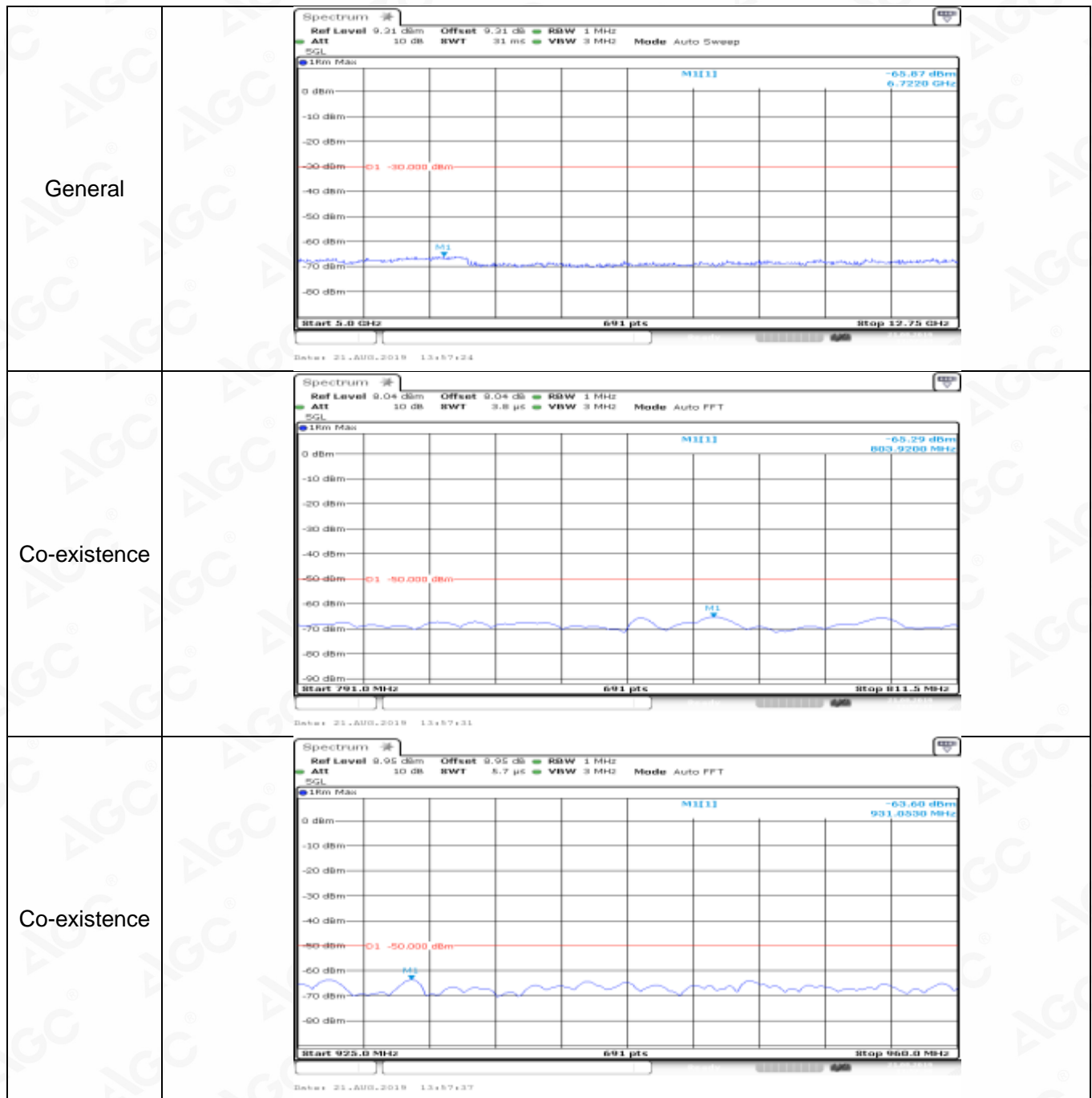



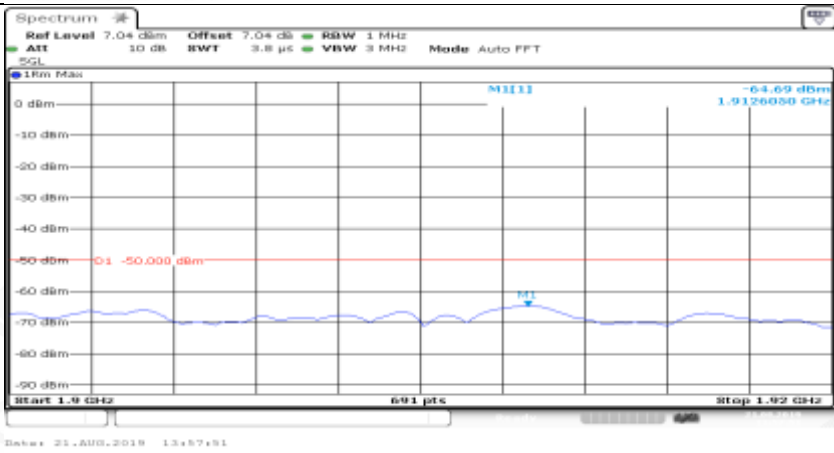
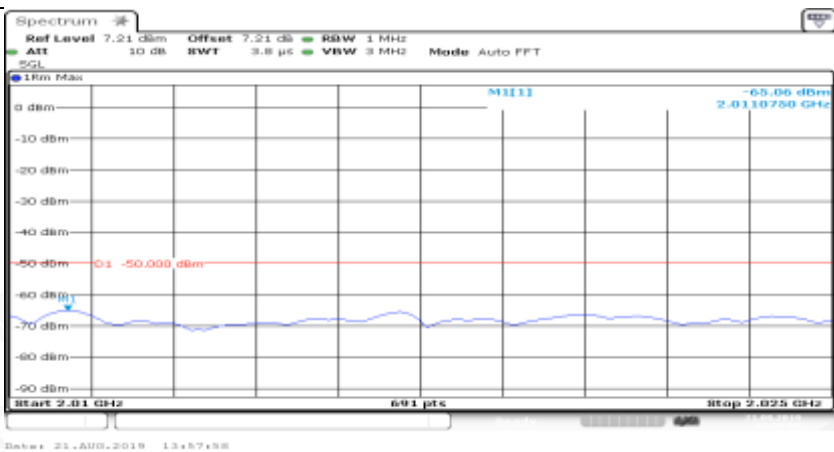
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_1RB#max	
General	
General	




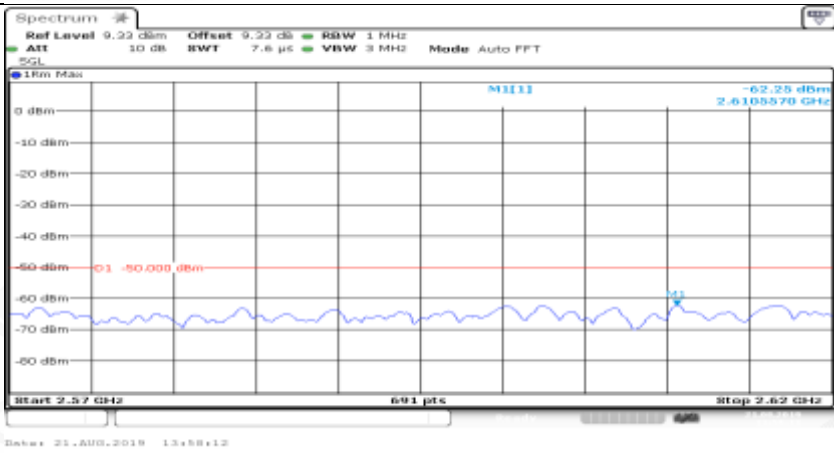
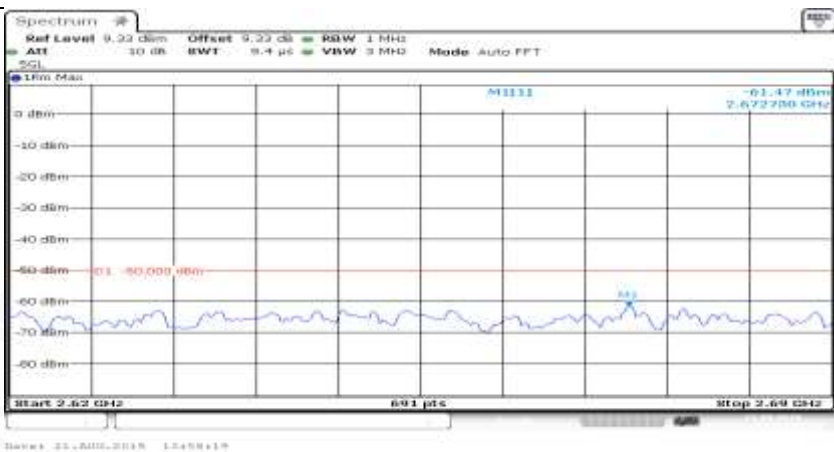
General	
General	
General	



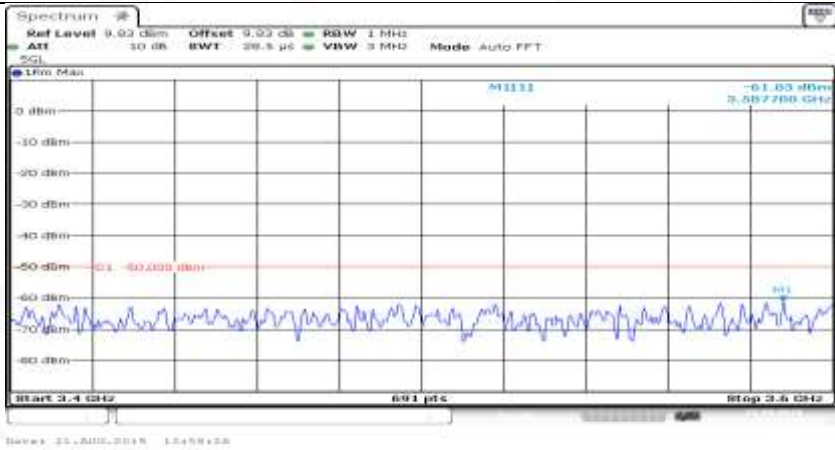
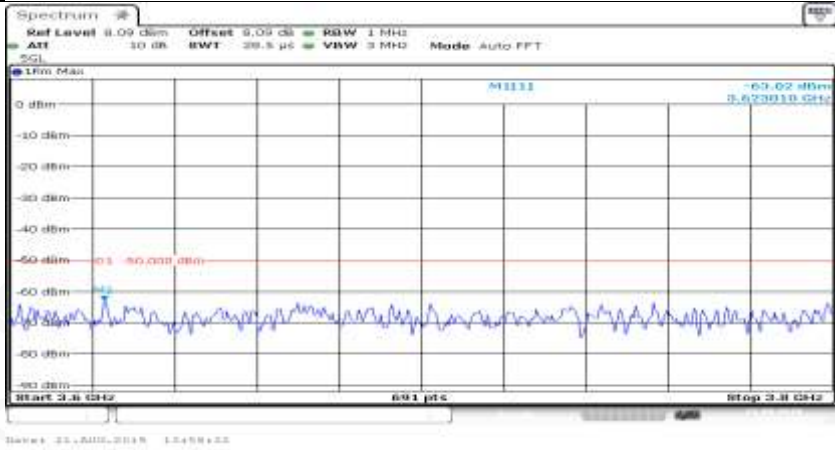
Co-existence	
Co-existence	
Co-existence	

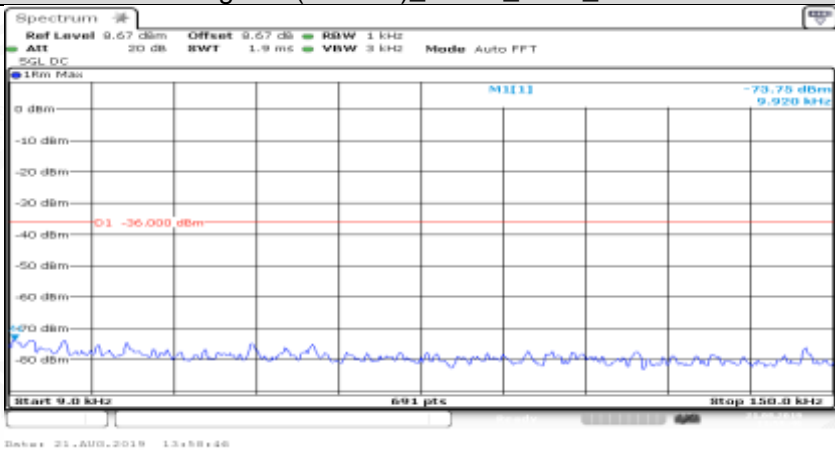


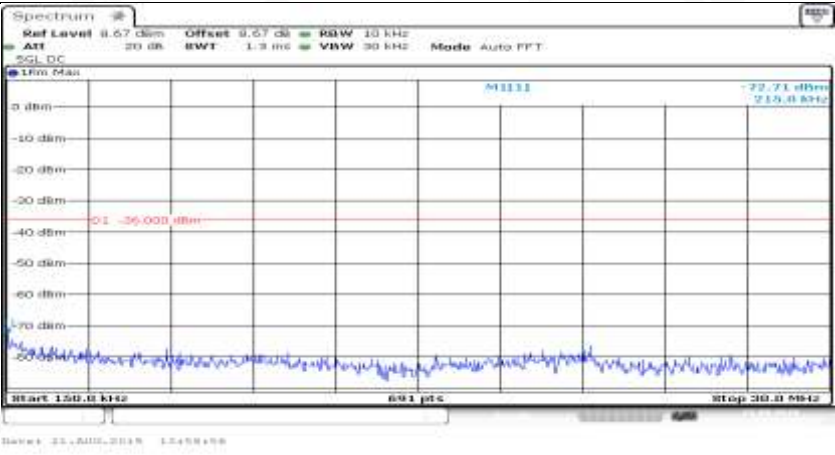

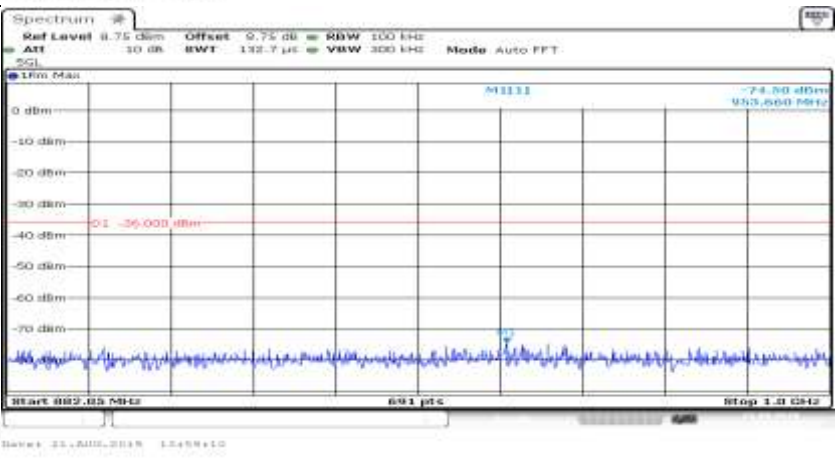


Co-existence	
Co-existence	
Co-existence	

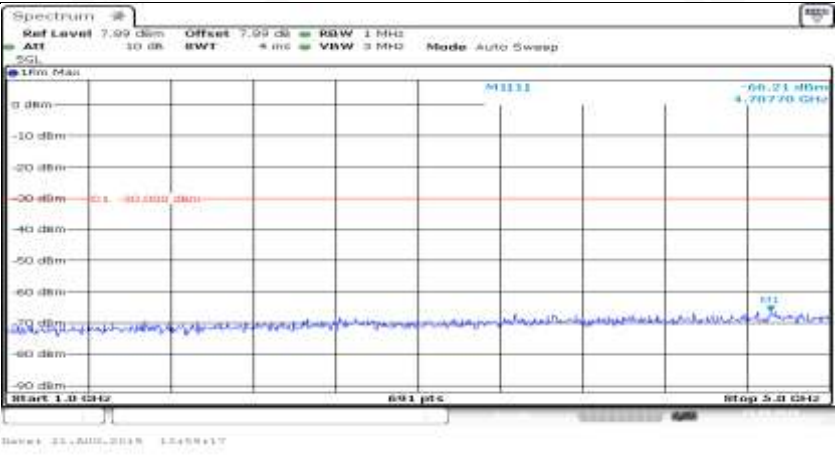
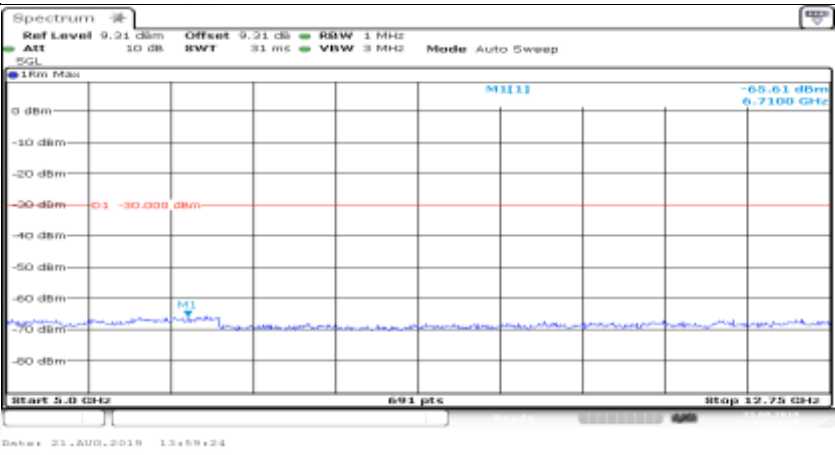
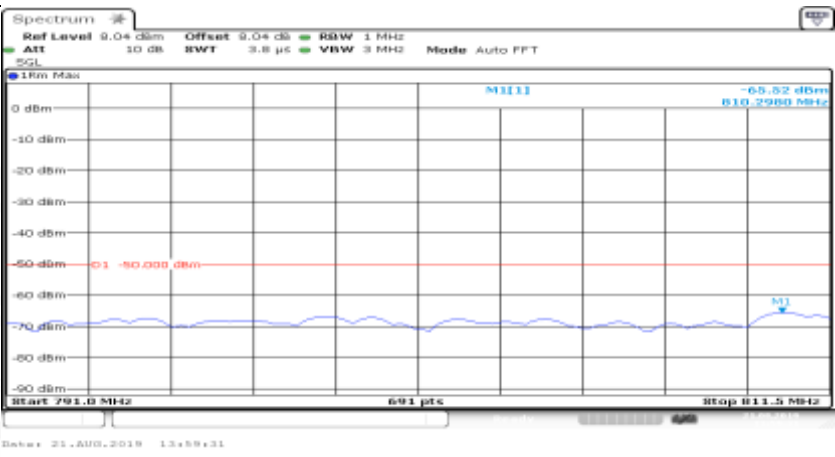


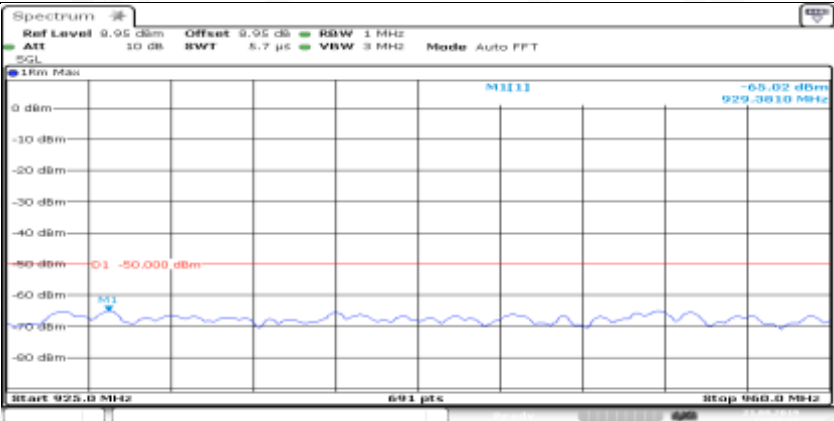
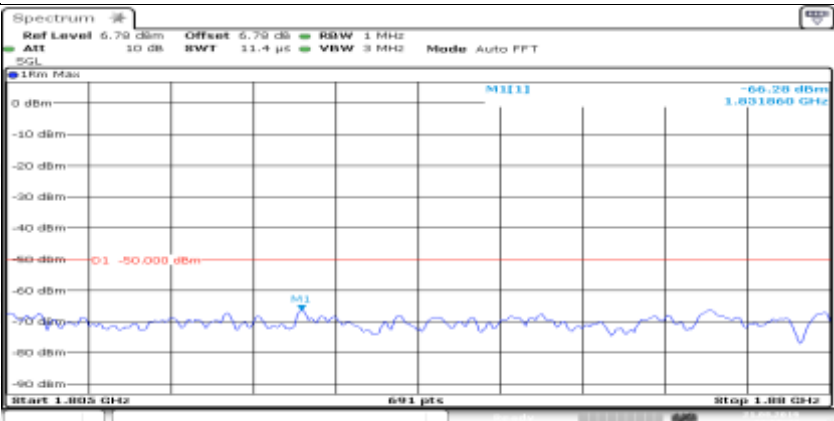
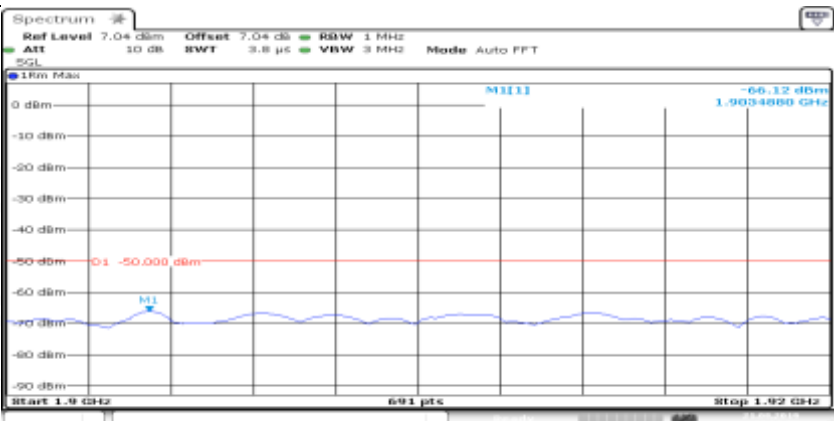
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_MCH_FullRB#0	
General	

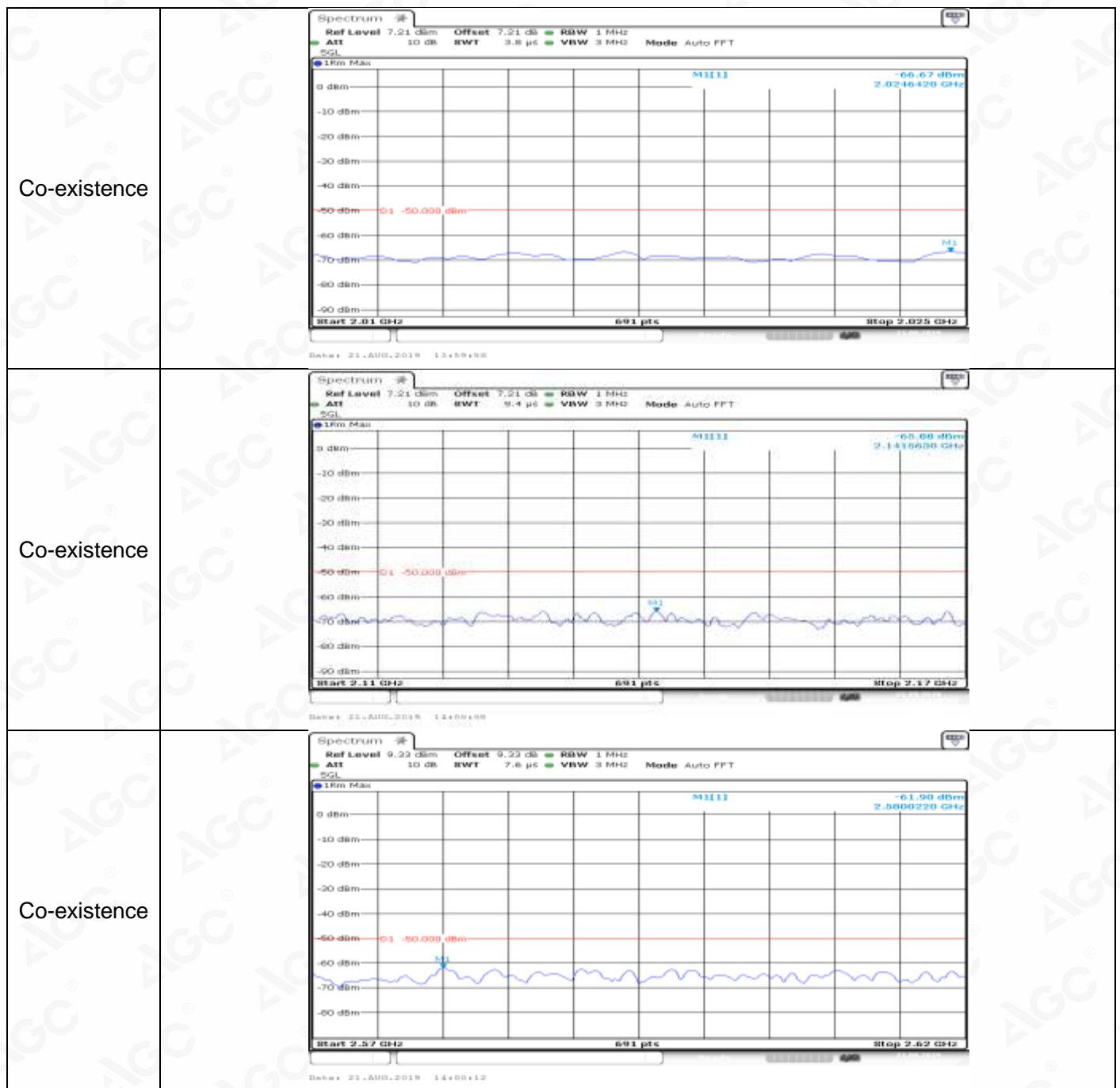
General	
General	
General	




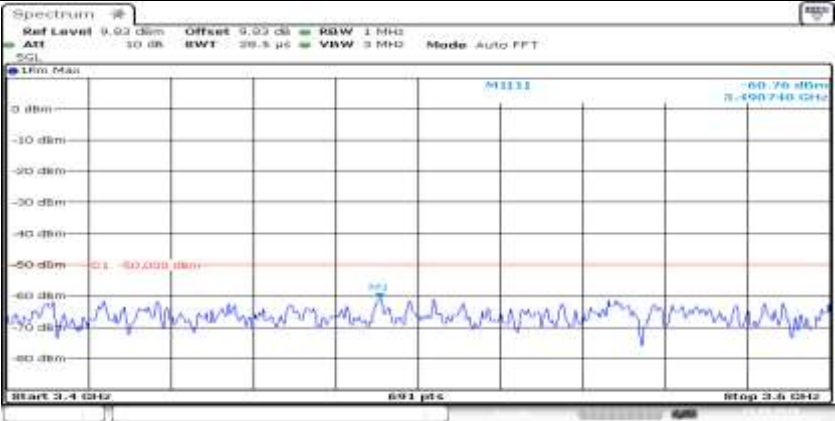
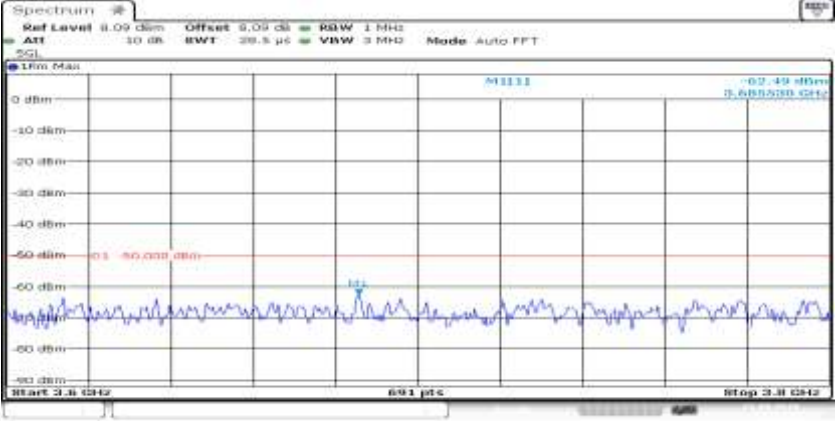
General	
General	
Co-existence	

Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz</p> <p>ATT 10 dB SWT 5.7 <math>\mu</math>s VBW 3 MHz Mode Auto FFT</p> <p>100% Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 925.0 MHz Stop 925.3 MHz</p> <p>601 pts</p> <p>Date: 21.AUG.2019 13:59:38</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 6.79 dBm Offset 6.79 dB BW 1 MHz</p> <p>ATT 10 dB SWT 11.4 <math>\mu</math>s VBW 3 MHz Mode Auto FFT</p> <p>100% Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 1.805 GHz Stop 1.808 GHz</p> <p>601 pts</p> <p>Date: 21.AUG.2019 13:59:49</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 7.04 dBm Offset 7.04 dB BW 1 MHz</p> <p>ATT 10 dB SWT 3.8 <math>\mu</math>s VBW 3 MHz Mode Auto FFT</p> <p>100% Max</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>Start 1.9 GHz Stop 1.902 GHz</p> <p>601 pts</p> <p>Date: 21.AUG.2019 13:59:51</p>

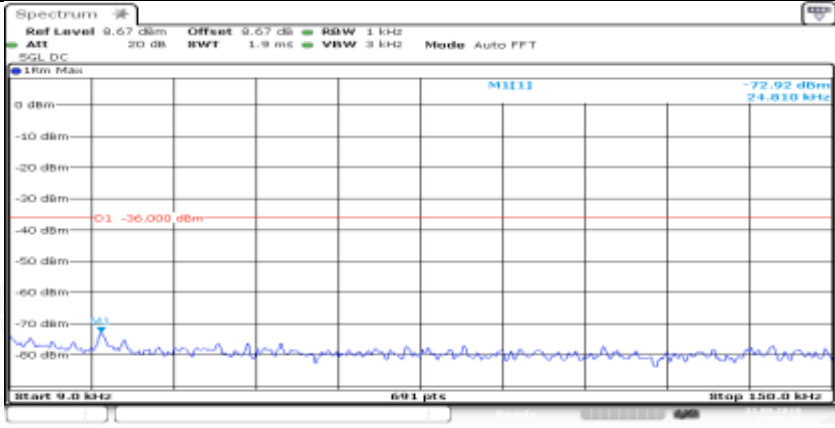
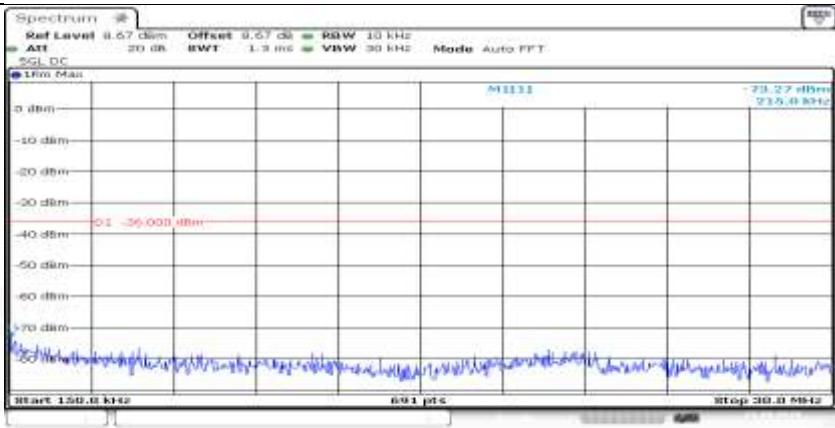
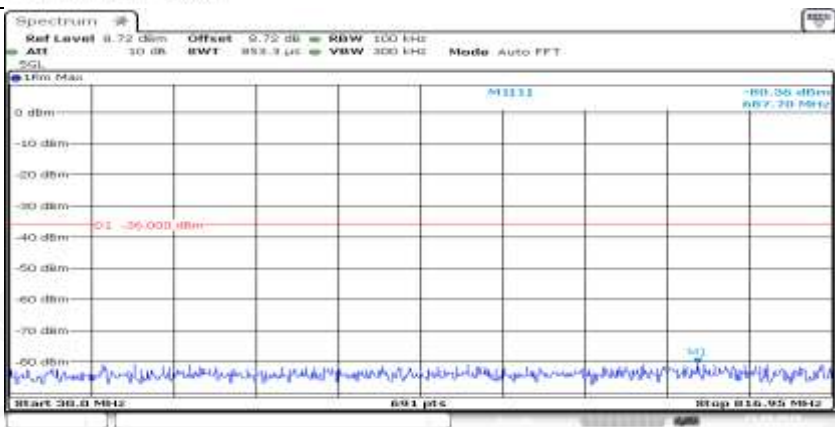


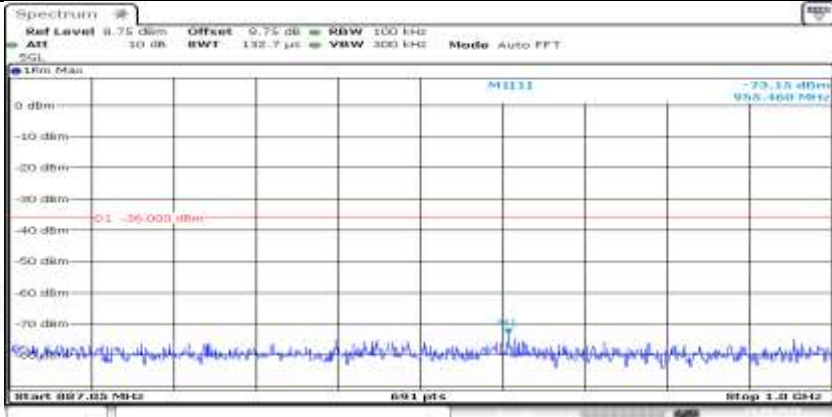
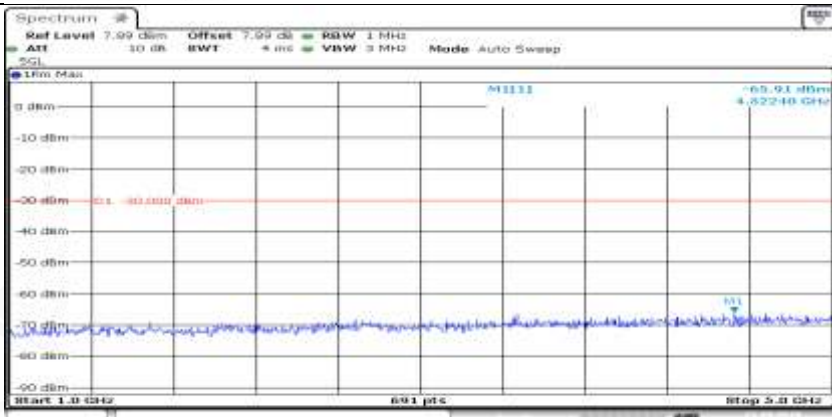
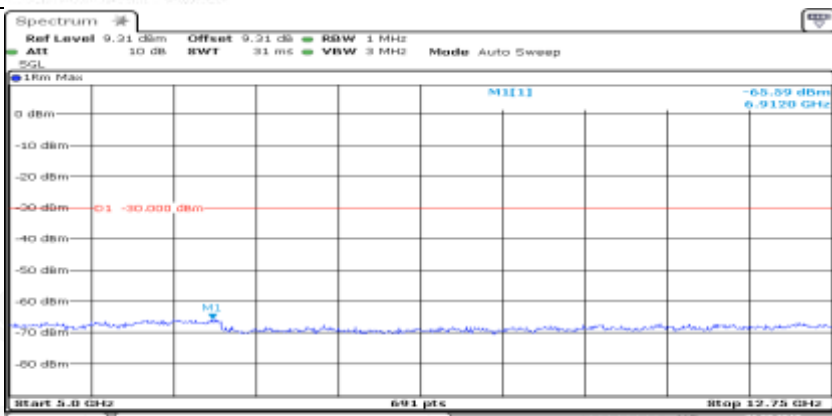




Co-existence	
Co-existence	
Co-existence	
Additional	NA

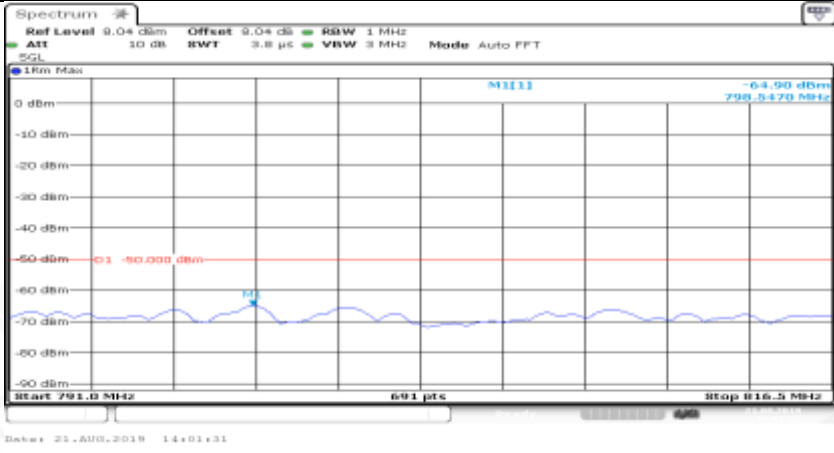
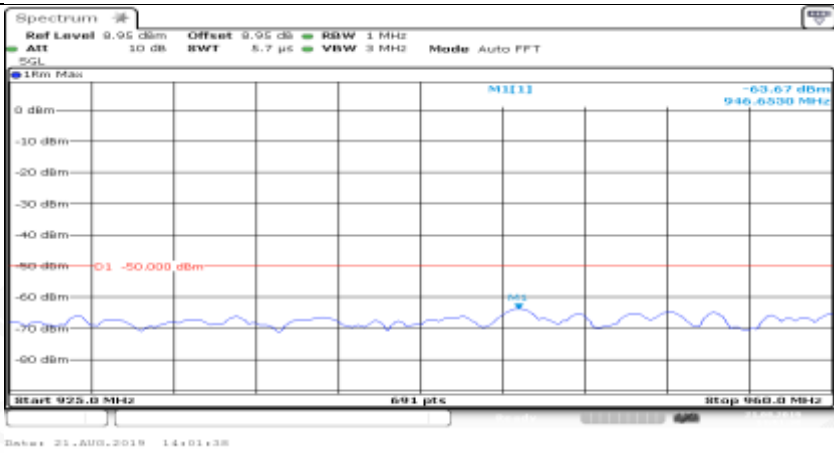
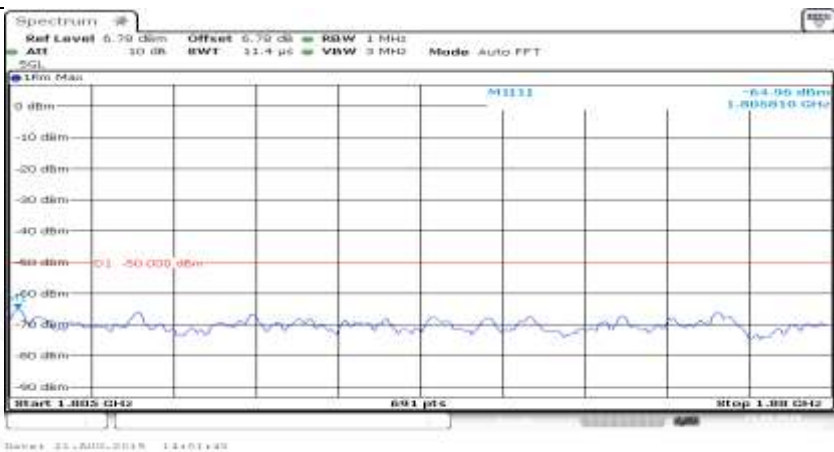
Channel Bandwidth=Highest (20 MHz)\_QPSK\_HCH\_1RB#0

General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 1 kHz</p> <p>ATT 20 dB BW 1.9 ms VBW 3 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>M1111 -72.92 dBm 9.010 kHz</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 9.0 kHz 691 pts Stop 150.0 kHz</p> <p>Date: 21.AUG.2019 14:00:47</p>
General	 <p>Spectrum</p> <p>Ref Level 9.67 dBm Offset 9.67 dB BW 10 kHz</p> <p>ATT 20 dB BW 1.3 ms VBW 30 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>M1111 -73.27 dBm 150.0 kHz</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 150.0 kHz 691 pts Stop 200.0 MHz</p> <p>Date: 21.AUG.2019 14:00:48</p>
General	 <p>Spectrum</p> <p>Ref Level 9.72 dBm Offset 9.72 dB BW 100 kHz</p> <p>ATT 10 dB BW 852.3 μs VBW 300 kHz Mode Auto FFT</p> <p>50L DC</p> <p>1RM Max</p> <p>M1111 -80.35 dBm 200.0 MHz</p> <p>0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm</p> <p>-36.000 dBm</p> <p>Start 200.0 MHz 691 pts Stop 210.95 MHz</p> <p>Date: 21.AUG.2019 14:01:03</p>

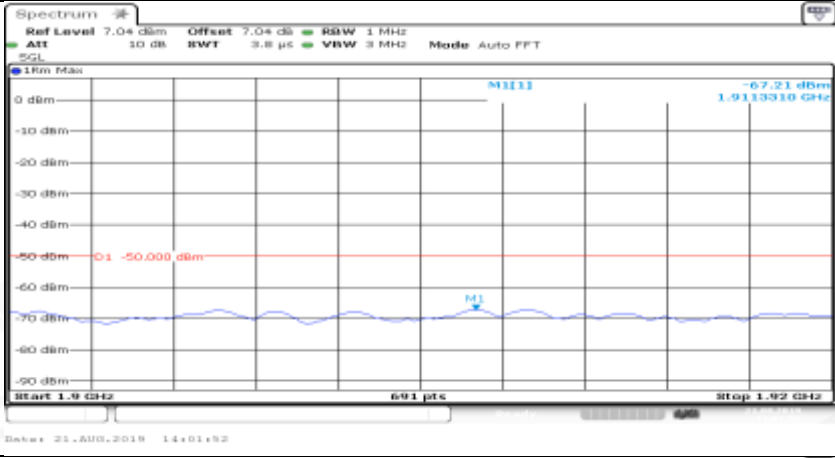
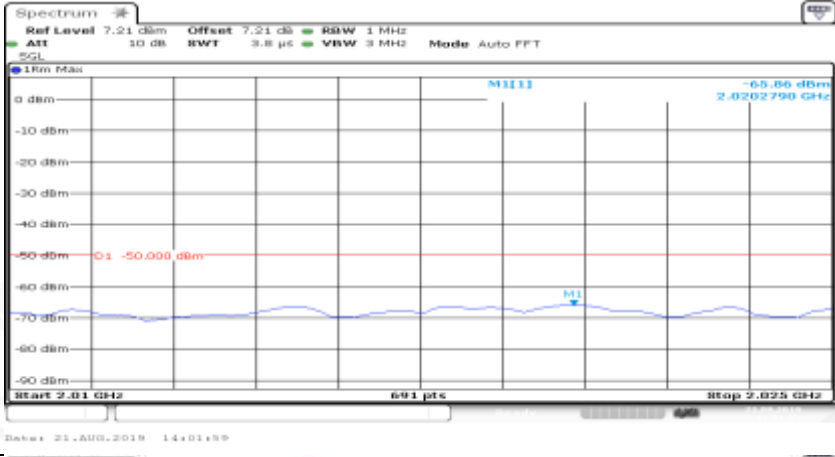
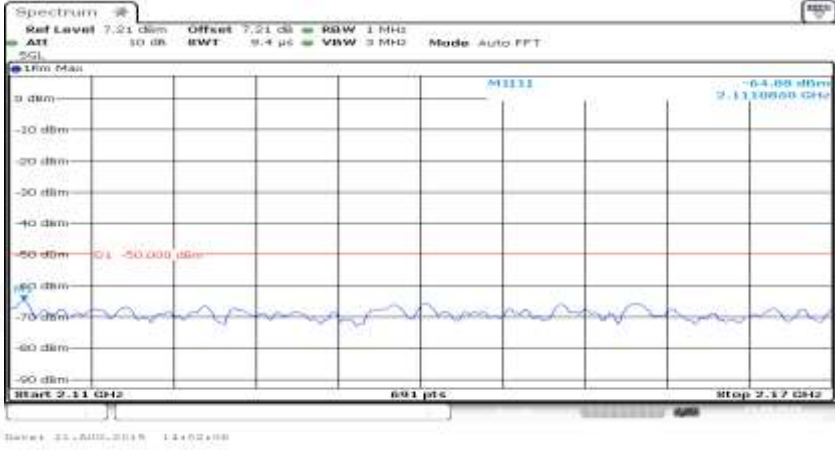
General	 <p>Spectrum</p> <p>Ref Level 8.75 dBm Offset 9.75 dB RBW 100 kHz</p> <p>ATT 10 dB BW 132.7 µs VBW 300 kHz Mode Auto FFT</p> <p>1RM Max</p> <p>0 dBm -35.000 dBm</p> <p>Start 0.000 MHz Stop 1.000 MHz</p> <p>691 pts</p> <p>21.AUG.2018 14:01:10</p>
General	 <p>Spectrum</p> <p>Ref Level 7.99 dBm Offset 7.99 dB RBW 1 MHz</p> <p>ATT 10 dB BW 4 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm -65.91 dBm</p> <p>Start 1.0 GHz Stop 5.0 GHz</p> <p>691 pts</p> <p>21.AUG.2018 14:01:17</p>
General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB RBW 1 MHz</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz Mode Auto Sweep</p> <p>1RM Max</p> <p>0 dBm -65.59 dBm</p> <p>Start 5.0 GHz Stop 12.75 GHz</p> <p>691 pts</p> <p>21.AUG.2018 14:01:24</p>

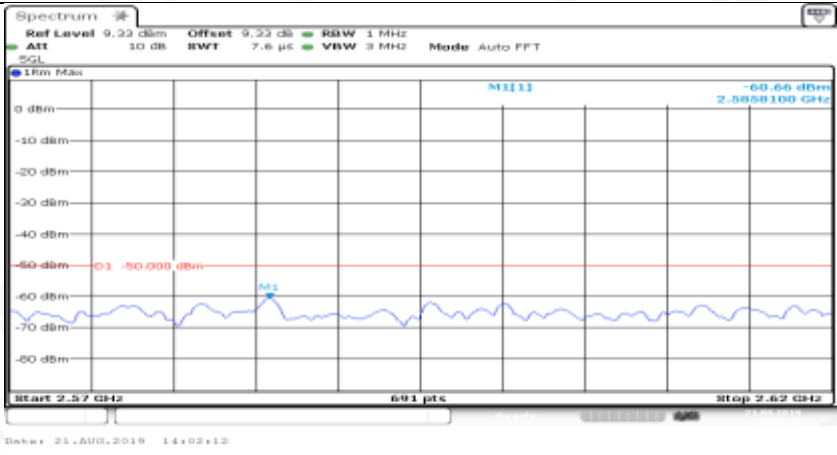

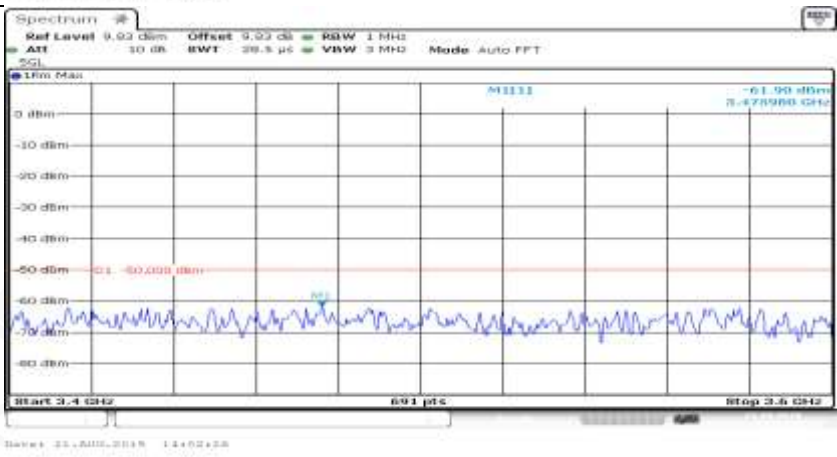




Co-existence	
Co-existence	
Co-existence	

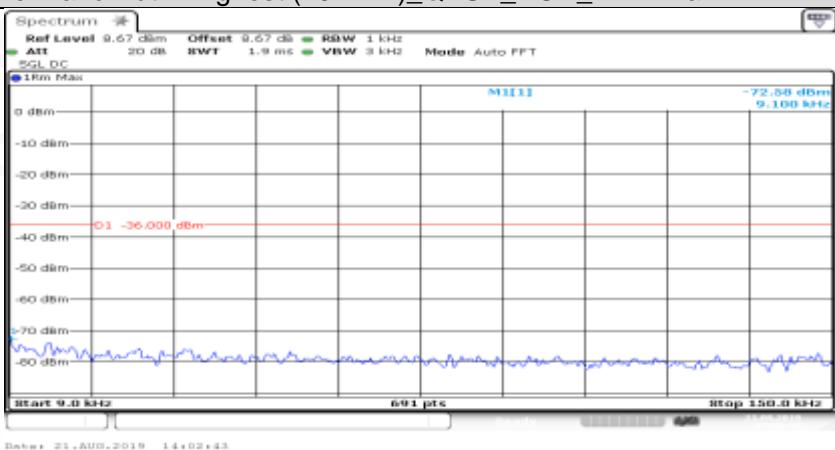
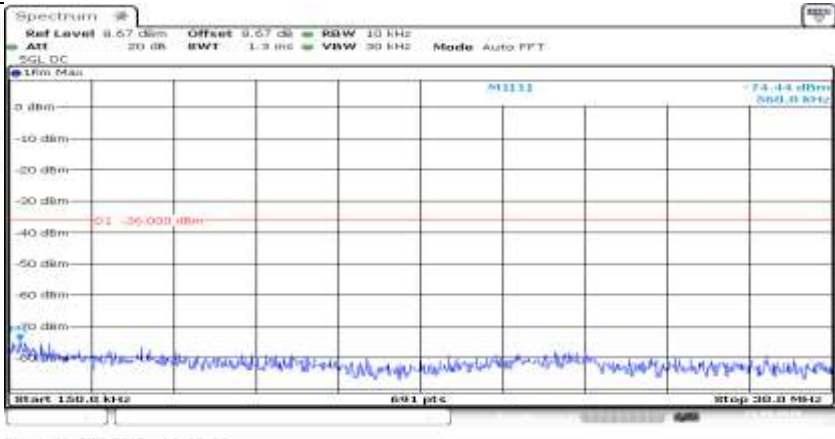


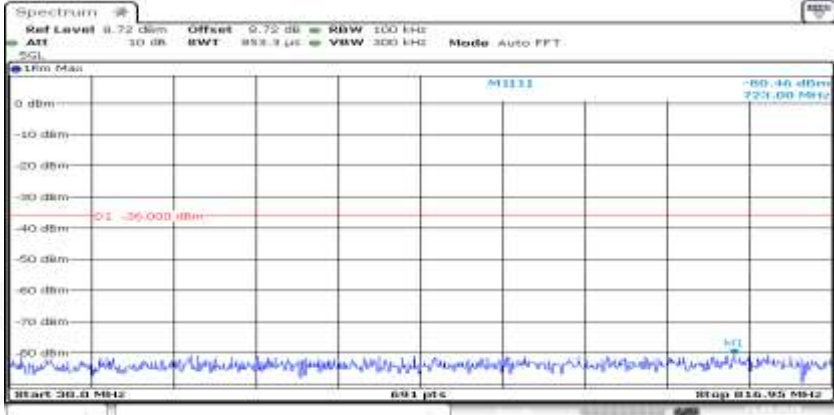
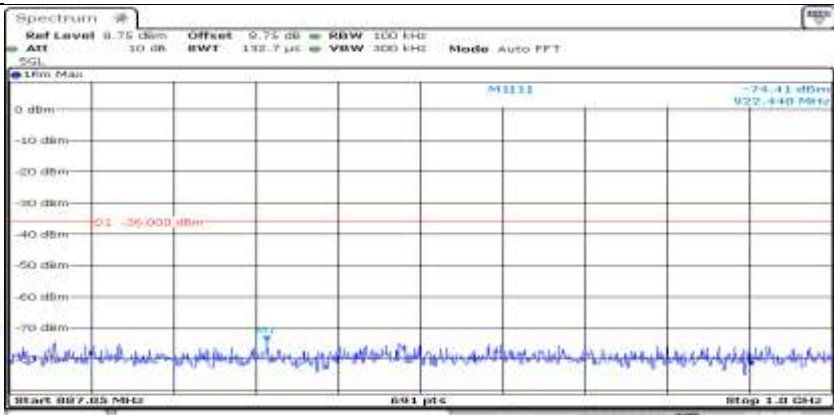
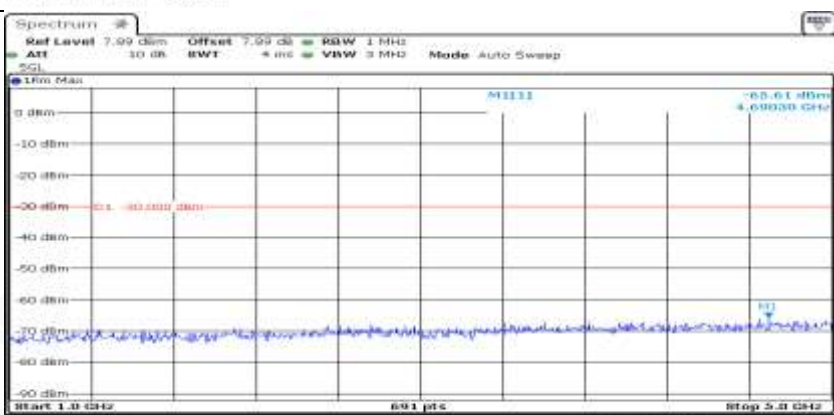
Co-existence	
Co-existence	
Co-existence	

Co-existence	
Co-existence	
Co-existence	

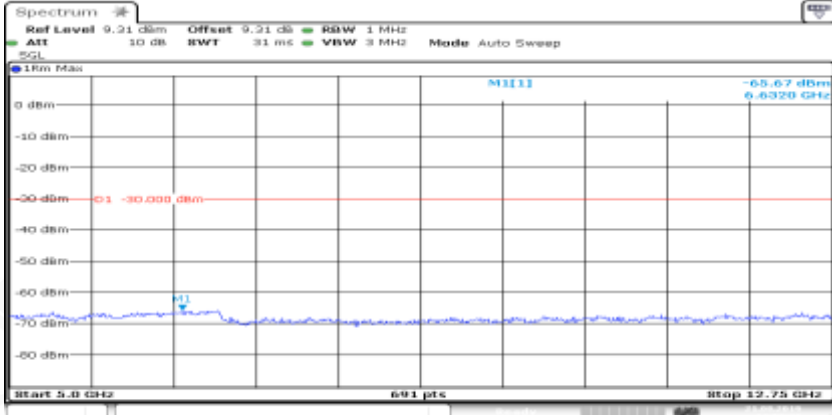
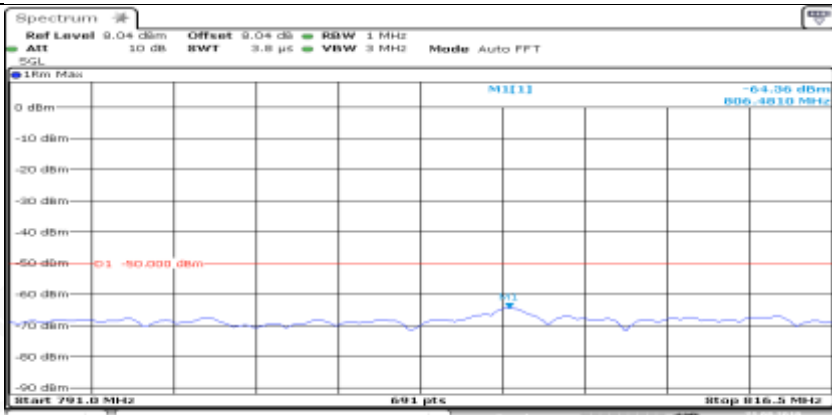
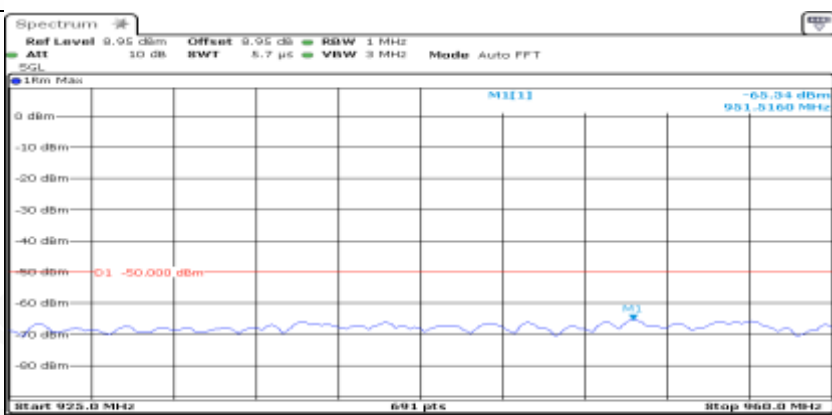


Co-existence	
Additional	NA

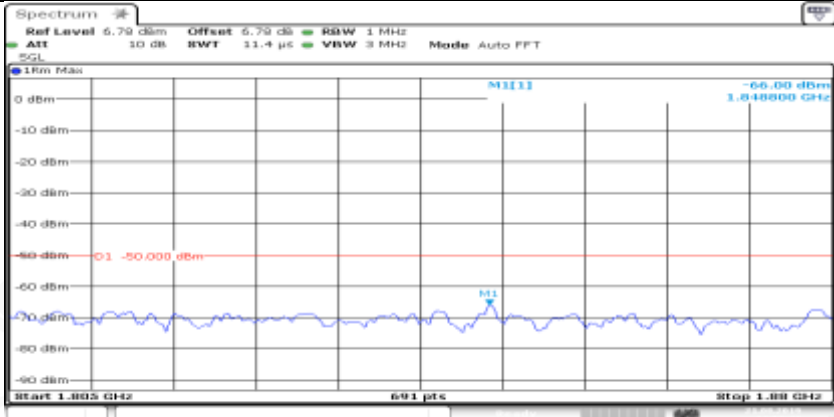
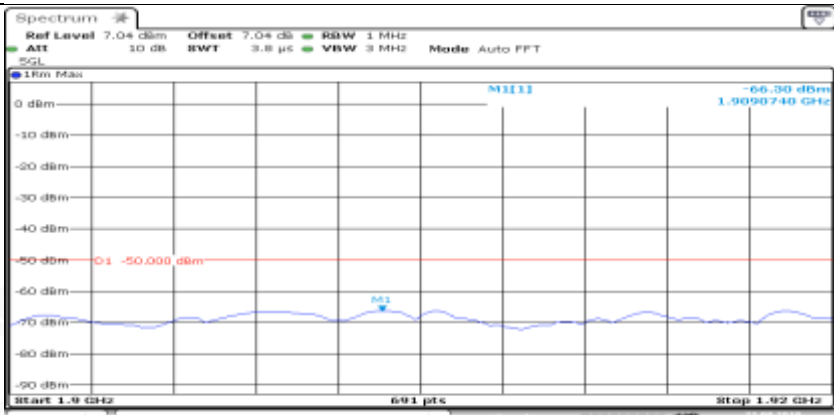
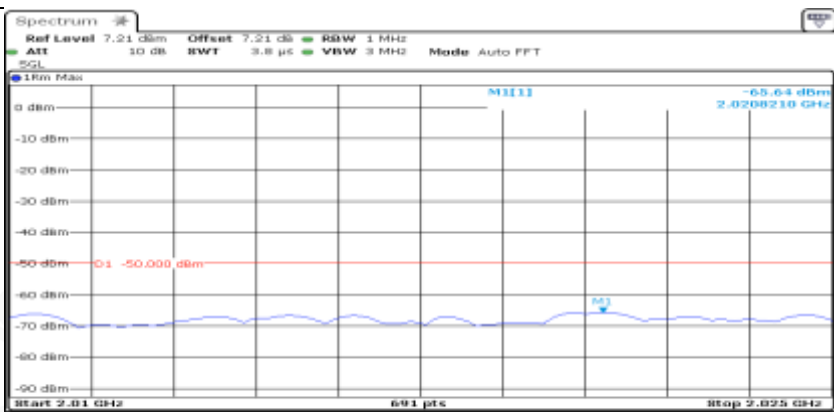
Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_1RB#max	
General	
General	

General	
General	
General	

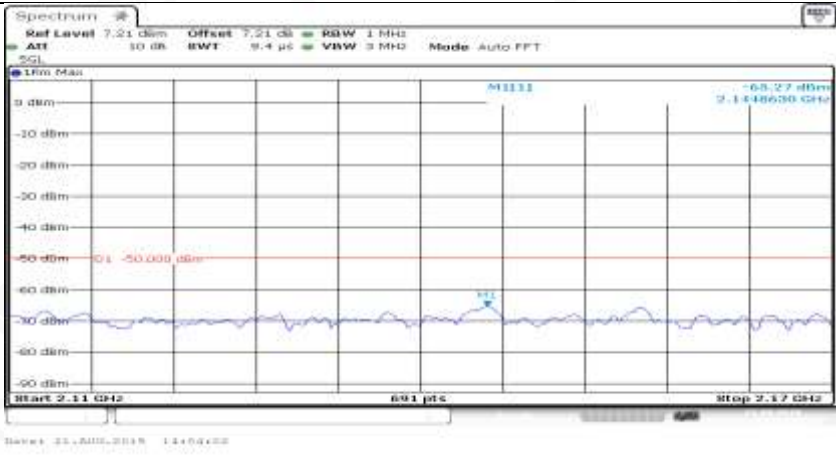

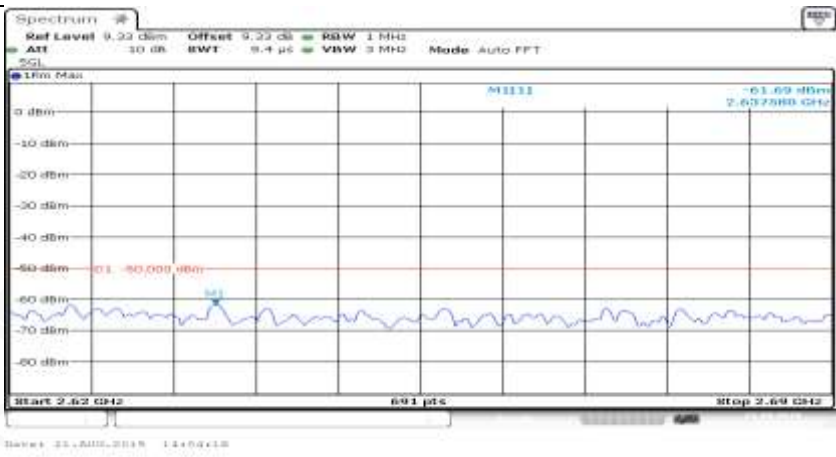


General	 <p>Spectrum</p> <p>Ref Level 9.21 dBm Offset 9.21 dB BW 1 MHz Mode Auto Sweep</p> <p>ATT 10 dB BW 31 ms VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -65.67 dBm 6.6320 GHz</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -30.000 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 5.0 GHz 691 pts Stop 12.75 GHz</p> <p>Date: 21.AUG.2019 14:03:21</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.04 dBm Offset 9.04 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 3.8 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -64.36 dBm 806.4810 MHz</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm -30.000 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 791.0 MHz 691 pts Stop 816.5 MHz</p> <p>Date: 21.AUG.2019 14:03:28</p>
Co-existence	 <p>Spectrum</p> <p>Ref Level 9.95 dBm Offset 9.95 dB BW 1 MHz Mode Auto FFT</p> <p>ATT 10 dB BW 5.7 μs VBW 3 MHz</p> <p>1RM Max</p> <p>0 dBm -65.34 dBm 951.5160 MHz</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm</p> <p>-40 dBm</p> <p>-50 dBm -30.000 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>-80 dBm</p> <p>Start 925.0 MHz 691 pts Stop 960.0 MHz</p> <p>Date: 21.AUG.2019 14:03:39</p>

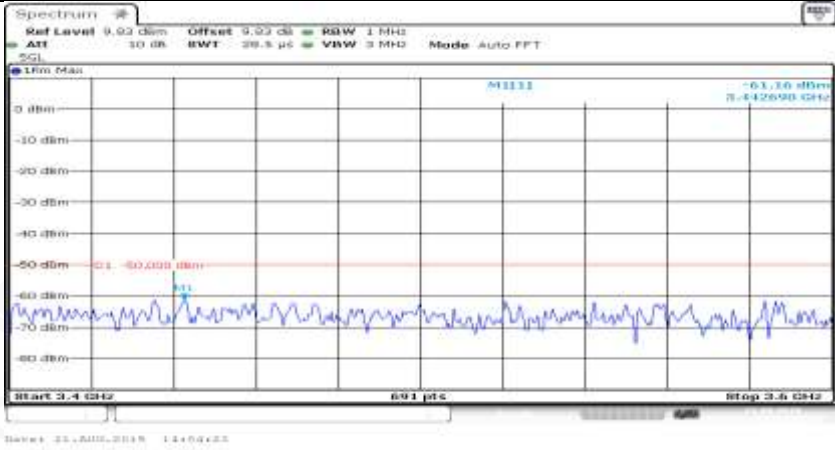
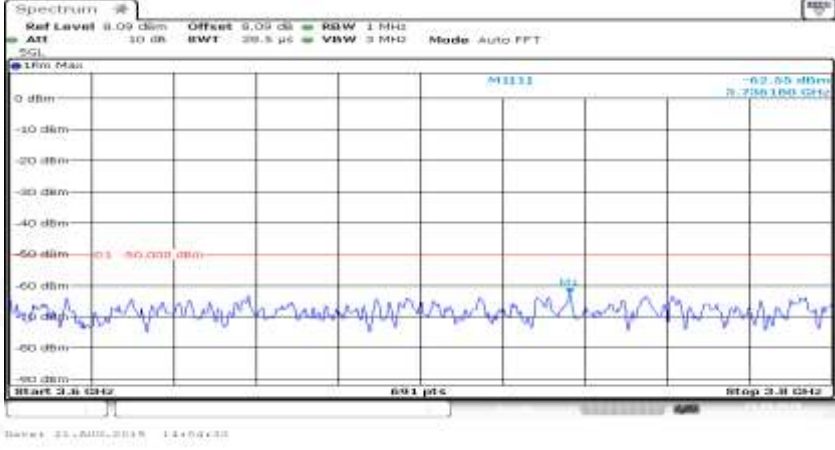


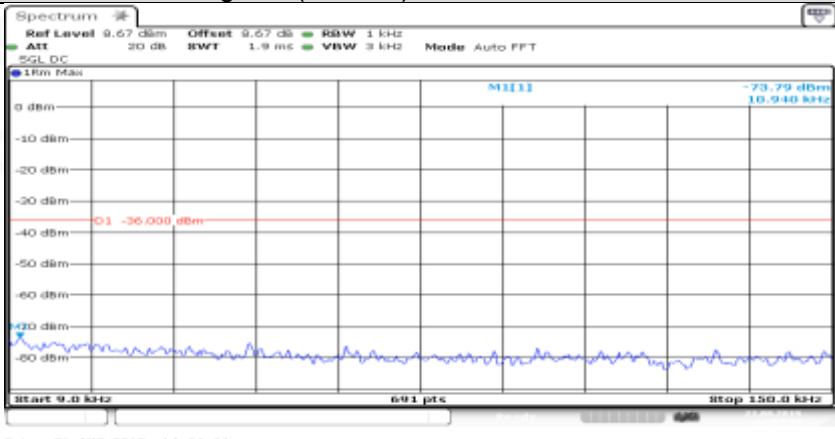
Co-existence	
Co-existence	
Co-existence	



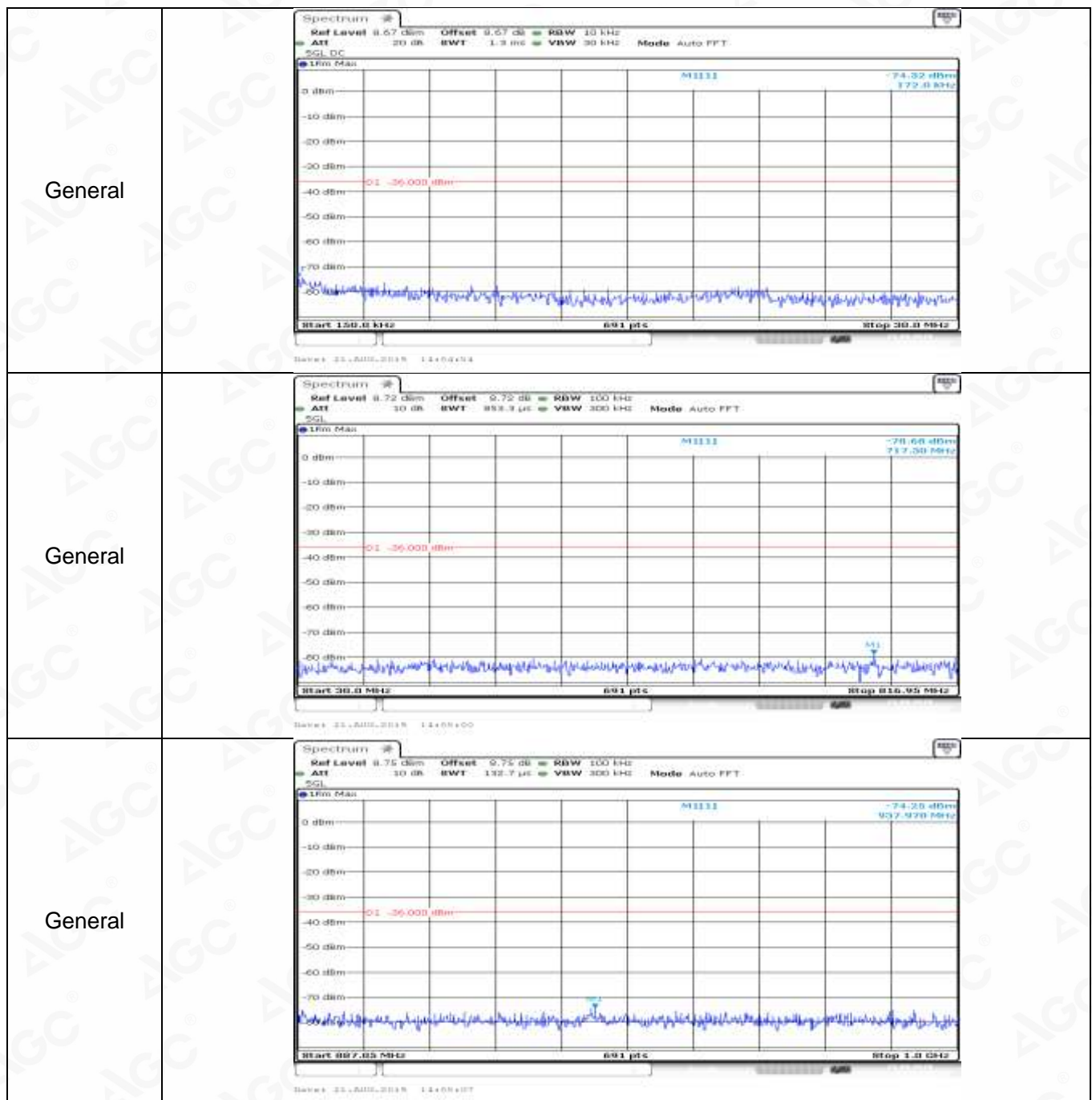
Co-existence	
Co-existence	
Co-existence	

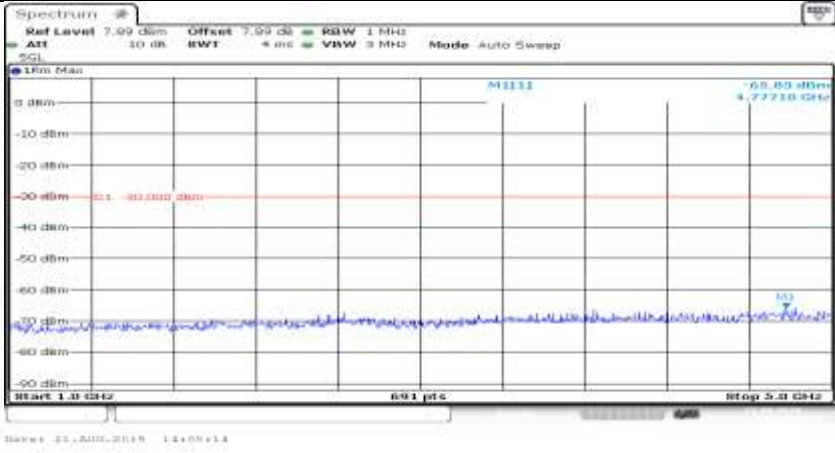
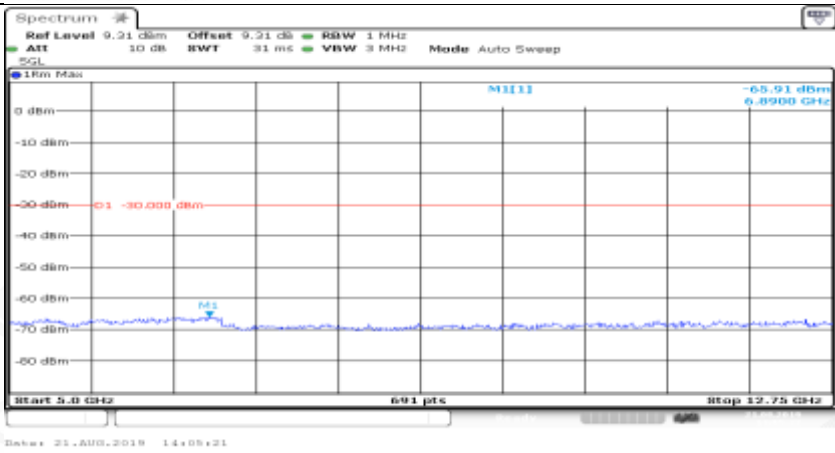
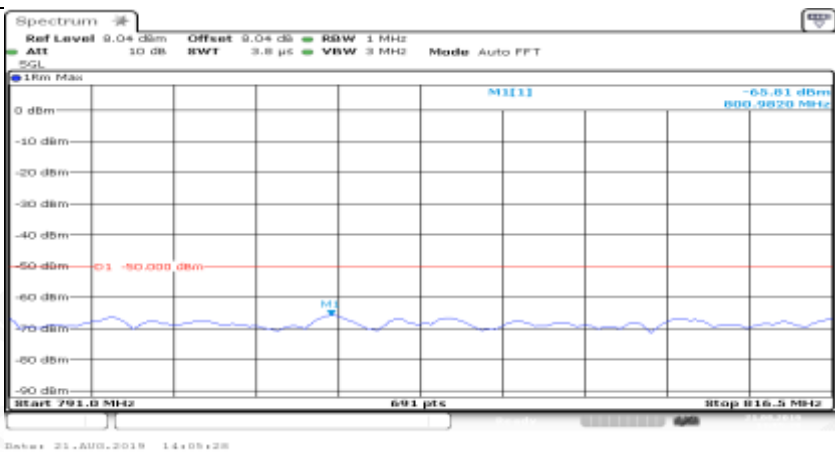


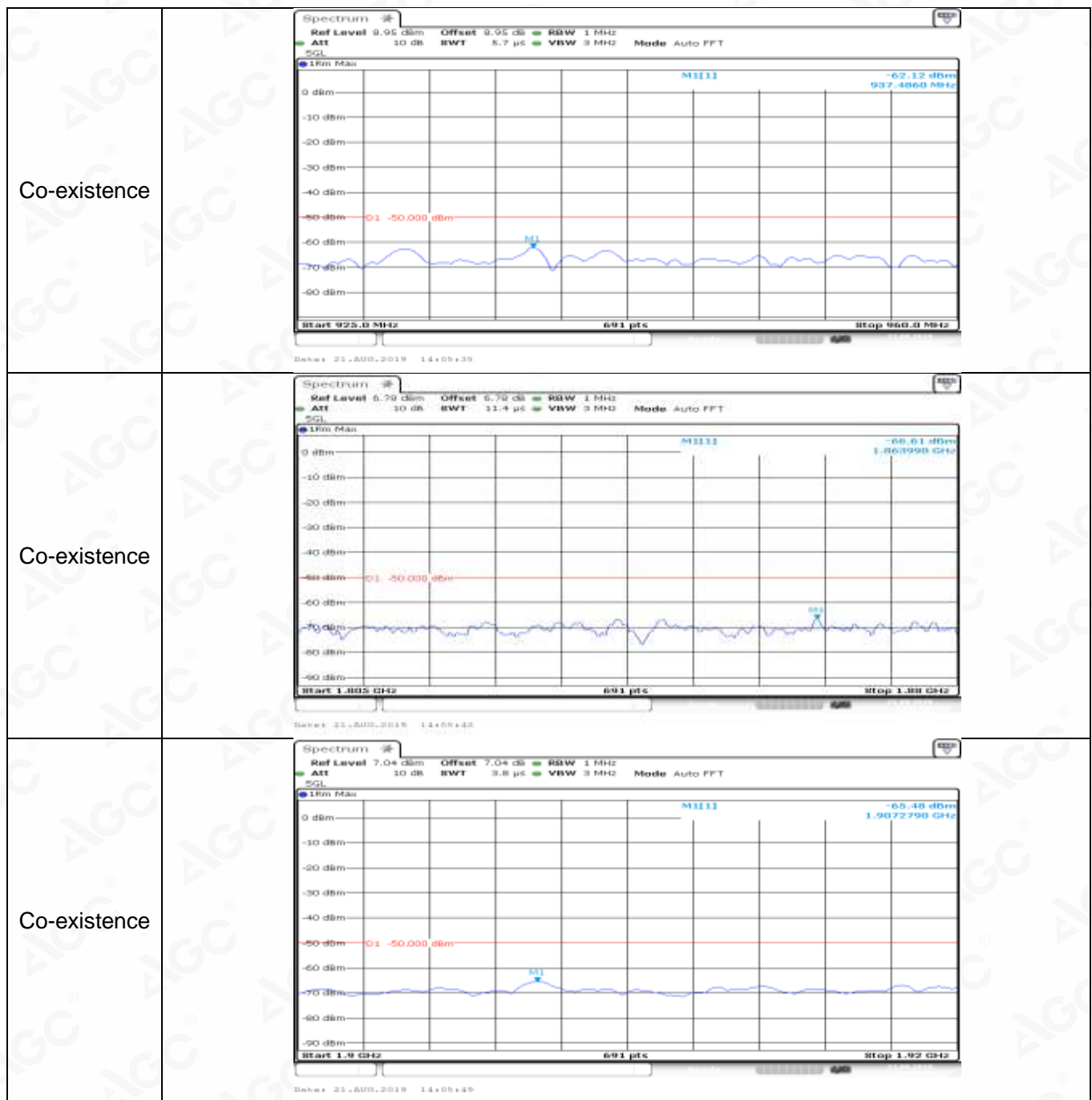
Co-existence	
Co-existence	
Additional	NA

Channel Bandwidth=Highest (20 MHz)_QPSK_HCH_FullRB#0	
General	

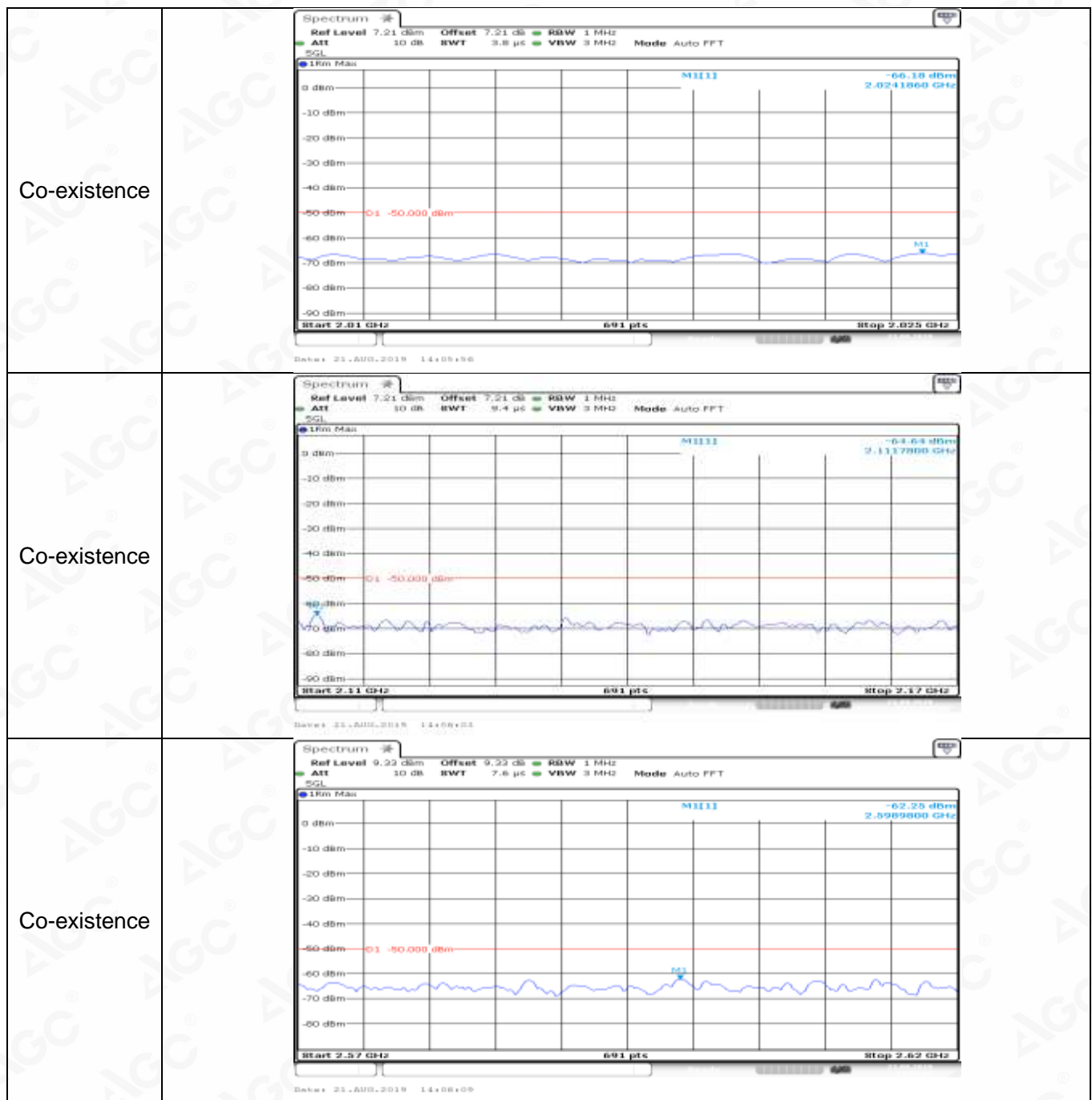


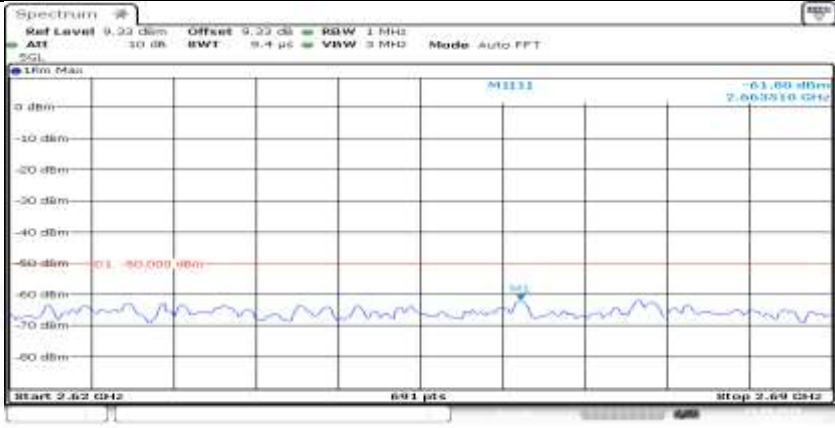
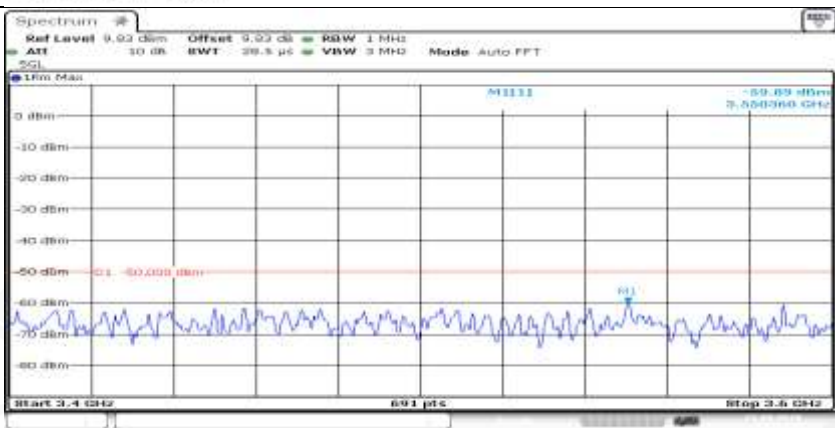
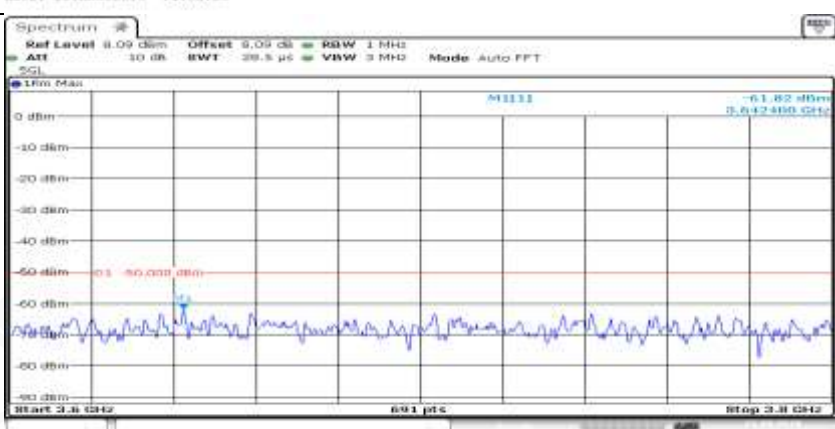


General	
General	
Co-existence	







Co-existence	
Co-existence	
Co-existence	
Additional	NA

## 6. Receiver Spurious Emissions

### Test Result

NTNV

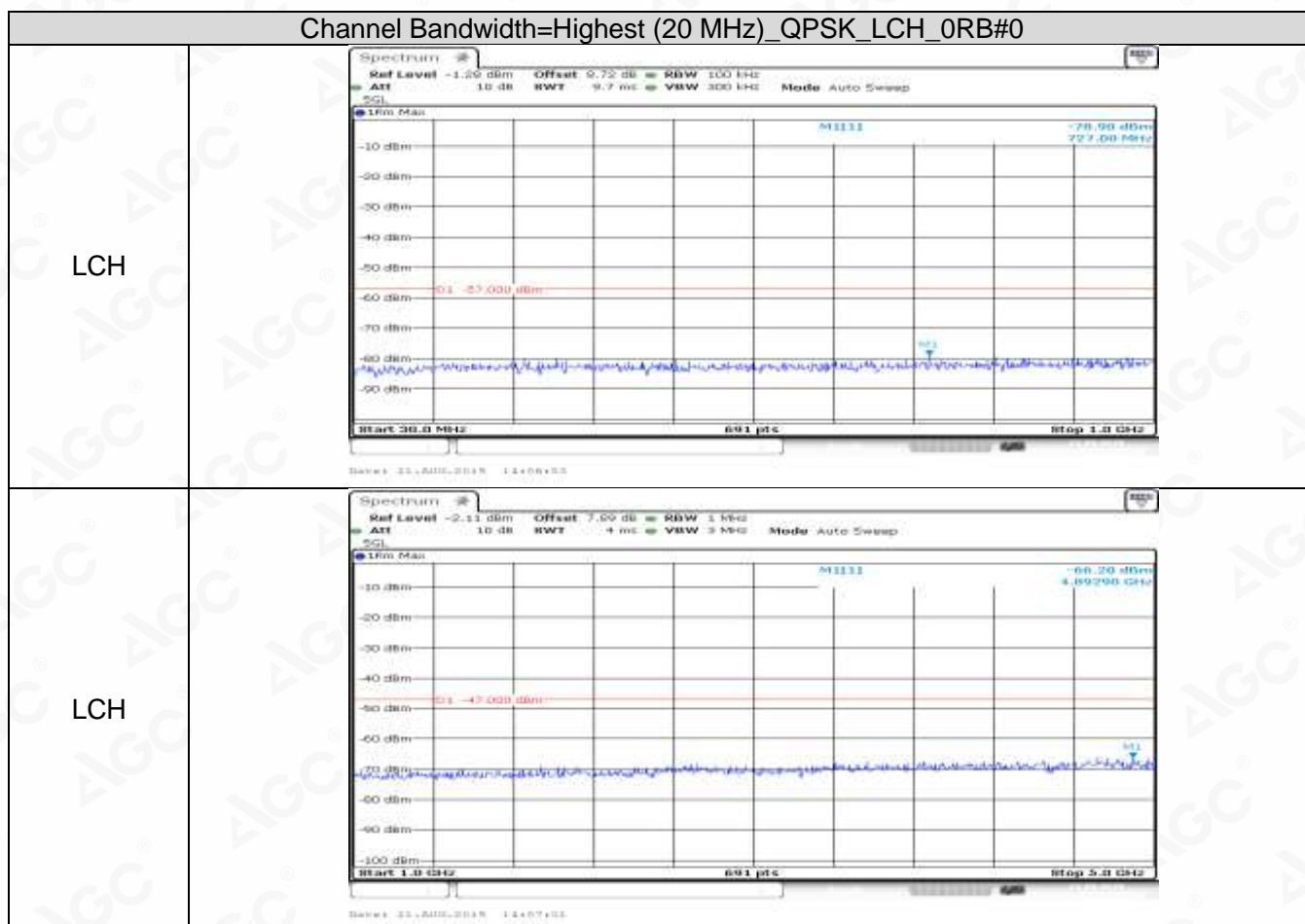
Channel Bandwidth=Highest

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

### Test Graphs

NTNV

Channel Bandwidth=Highest



Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.

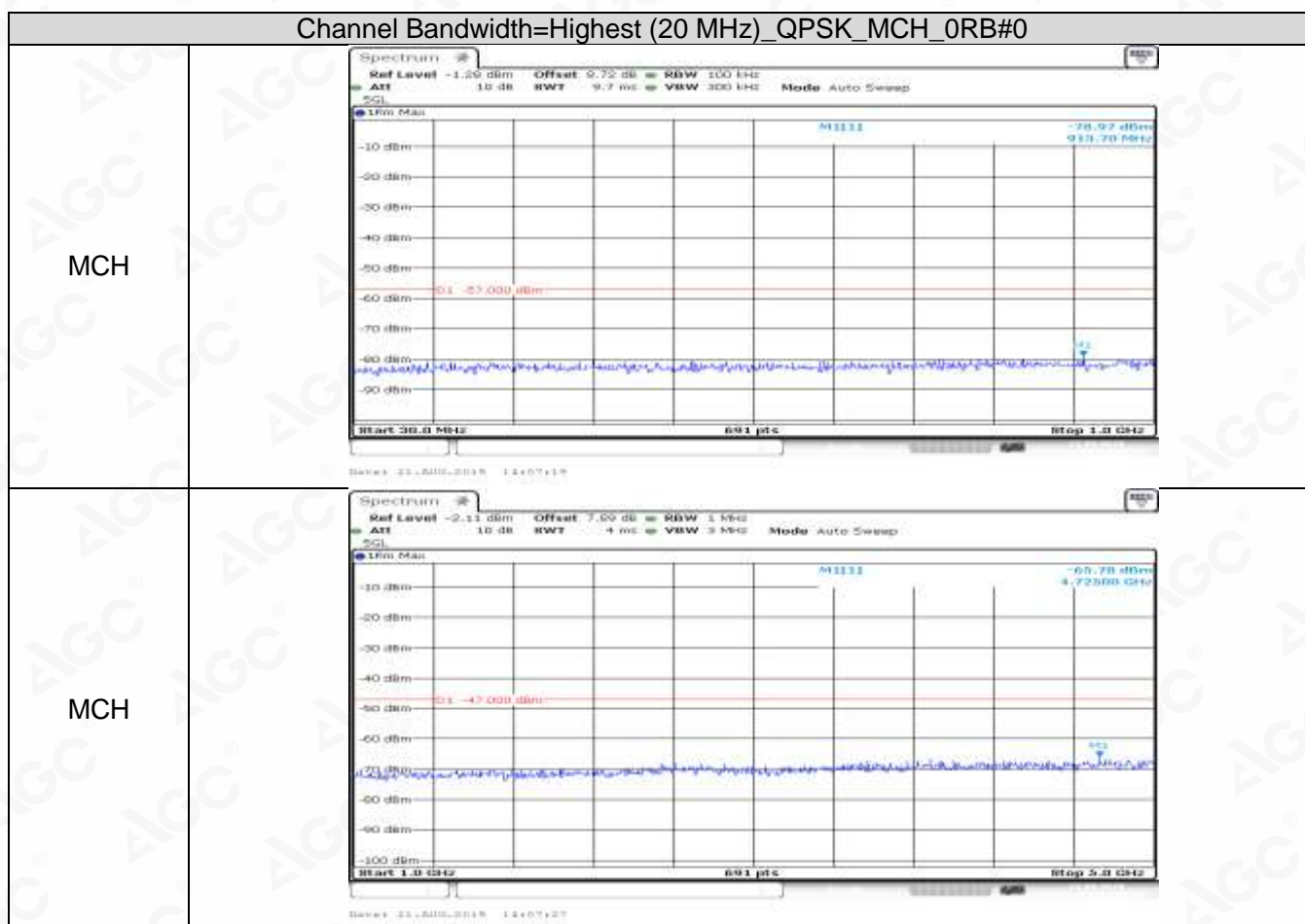
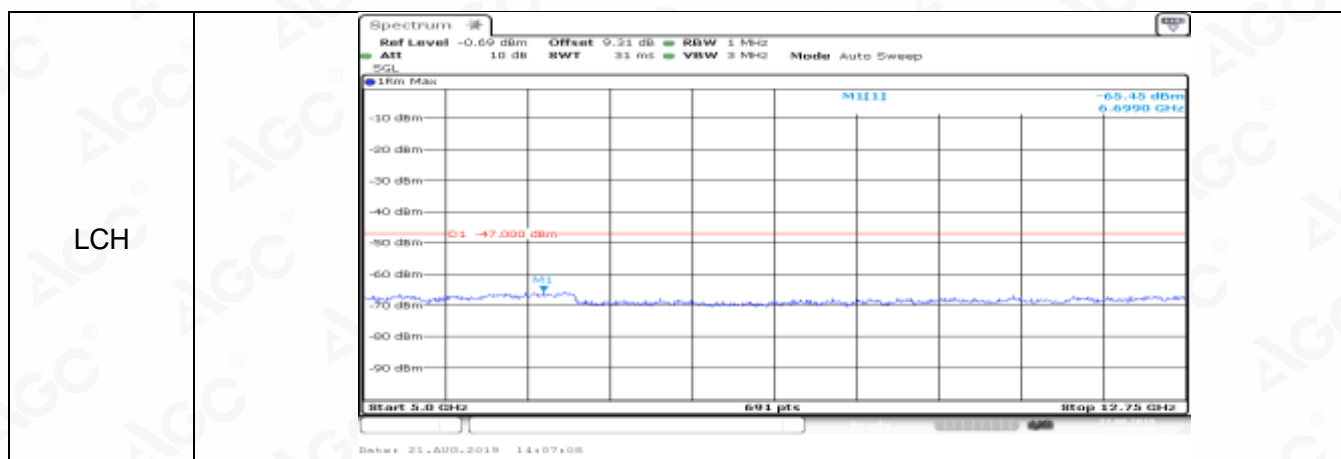
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

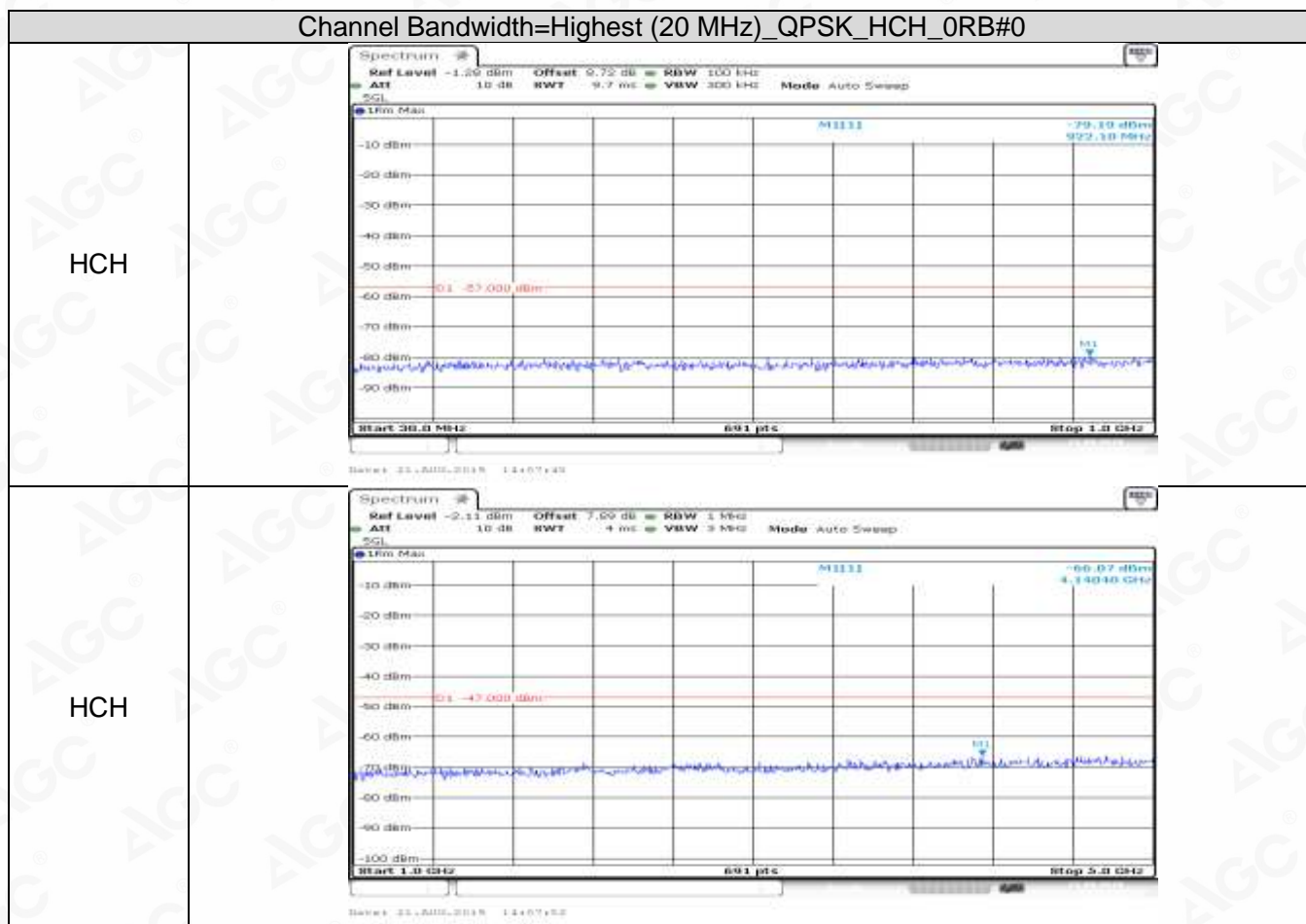
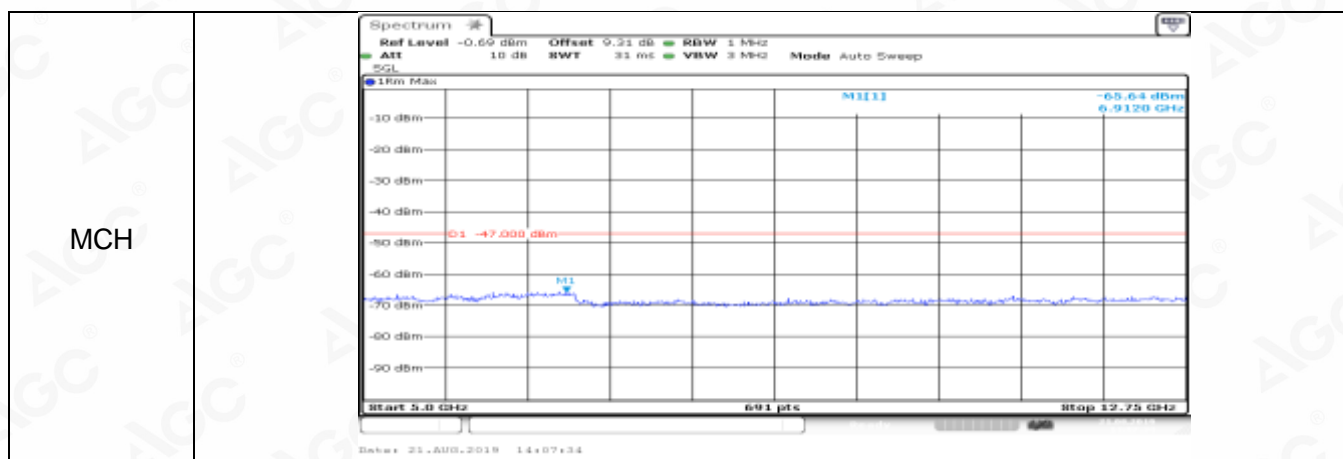
Tel: +86-755 2523 4088

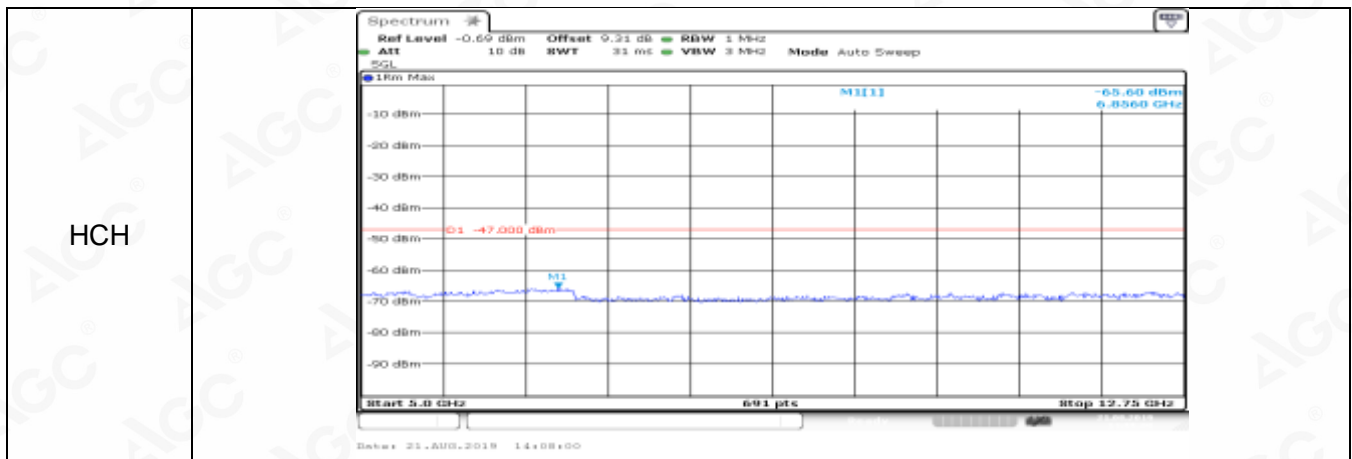
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118









Attestation of Global Compliance

Attestation of Global Compliance(Shenzhen)Co.,Ltd.  
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China  
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118



## 7. Receiver Adjacent Channel Selectivity (ACS)

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				



## 8. Receiver blocking characteristics

### Test Results

The equipment **passed** the requirement of this clause.

#### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

#### In-Band Blocking

	Downlink Configuration		Uplink Configuration		CASE2
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				

#### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for FInterferer below FDL_low High range for FInterferer above FDL_high		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %

<b>Verdict</b>	<b>PASS</b>
----------------	-------------

Narrow Band

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	25	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	PASS				





## 9. Receiver Spurious Response

### Test Results

The equipment **passed** the requirement of this clause.

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	6	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	6	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	100	≥ 95 %
Verdict	Pass				



## 10. Receiver Intermodulation Characteristics

### Test Results

The equipment **passed** the requirement of this clause.

Test Band			Band 20			
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest 20MHz			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	6	PASS	≥ 95 %
10MHz	QPSK	Full	QPSK	15,20,25	PASS	≥ 95 %
20MHz	QPSK	Full	QPSK	100	PASS	≥ 95 %
Verdict	PASS					



## 11. Receiver Reference Sensitivity Level

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN ) of fellow:

### Test Results

NTNV

	Test Band			Band 20			
	TestEnvironment			NC			
	Test Frequencies			Midrange			
	TestChannelBandwidths			Lowest,5MHz,Highest 20MHz			
	Test Parameters for Channel Bandwidths						
		DownlinkConfiguration		Uplink Configuration			
	Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
			FDD		FDD		
TNVL	5MHz	QPSK	Full	QPSK	6	Pass	≥ 95 %
	10MHz	QPSK	Full	QPSK	15,20,25	Pass	≥ 95 %
	20MHz	QPSK	Full	QPSK	100	Pass	≥ 95 %
Verdict	PASS						



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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118



## 12. Radiated spurious emissions - MS in idle mode

Note: All test modes were carried out for all operation modes and record the worst test mode (LTE BAND 20 TNVN ) of fellow

### Test Result

NTNV

Channel Bandwidth=Highest= (20 MHz)

Frequency	Modulation	RBW	Max .Level (dbm)	Test Conditions=TNVN		
				Test Channel		
				LCH	MCH	HCH
$30 \text{ MHz} \leq f < 1 \text{ GHz}$	QPSK	100 kHz	-57	-63.28	-63.11	-63.35
$1 \text{ GHz} \leq f \leq 5 \text{ GHz}$		1 MHz	-47	-70.35	-70.42	-70.37
$5 \text{ GHz} \leq f \leq 12.75 \text{ GHz}$		1 MHz	-47	-69.42	-69.28	-69.38



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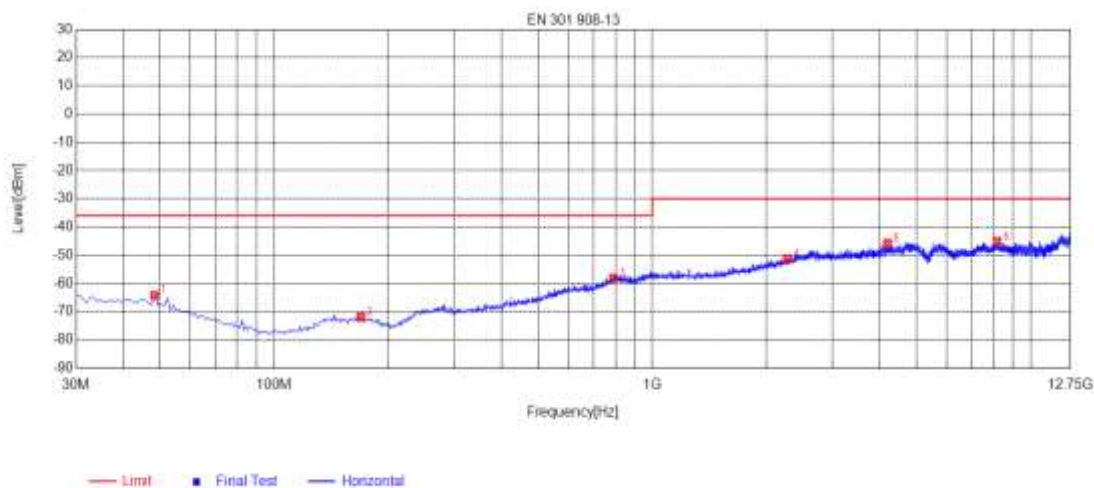
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## APPENDIX F . RADIATED SPURIOUS EMISSIONS TEST RESULT

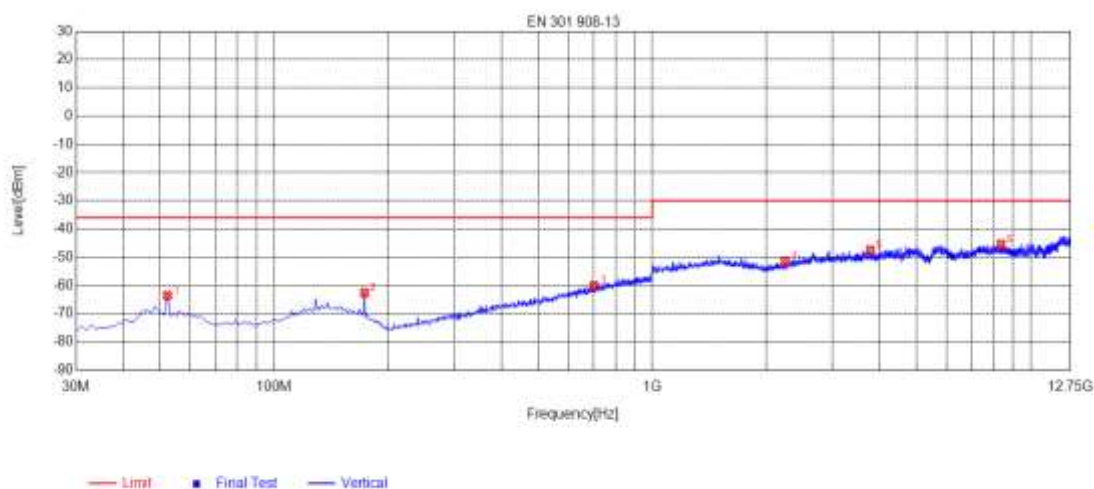
### RADIATED SPURIOUS EMISSIONS LTE Band 1– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-98.09	-64.22	-36.00	28.22	33.87	231	Horizontal
2	169.6800	-101.35	-71.93	-36.00	35.93	29.42	66	Horizontal
3	788.5400	-101.23	-58.19	-36.00	22.19	43.04	8	Horizontal
4	2276.3053	-54.01	-51.32	-30.00	21.32	2.69	80	Horizontal
5	4189.5879	-54.17	-45.76	-30.00	15.76	8.41	269	Horizontal
6	8157.1814	-58.00	-45.14	-30.00	15.14	12.86	166	Horizontal



## RADIATED SPURIOUS EMISSIONS LTE Band 1– VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-93.74	-63.57	-36.00	27.57	30.17	273	Vertical
2	173.5600	-93.97	-62.63	-36.00	26.63	31.34	214	Vertical
3	702.2100	-100.55	-60.04	-36.00	24.04	40.51	141	Vertical
4	2243.3987	-53.33	-51.38	-30.00	21.38	1.95	112	Vertical
5	3771.2042	-54.22	-47.49	-30.00	17.49	6.73	294	Vertical
6	8359.3219	-58.35	-45.39	-30.00	15.39	12.96	258	Vertical



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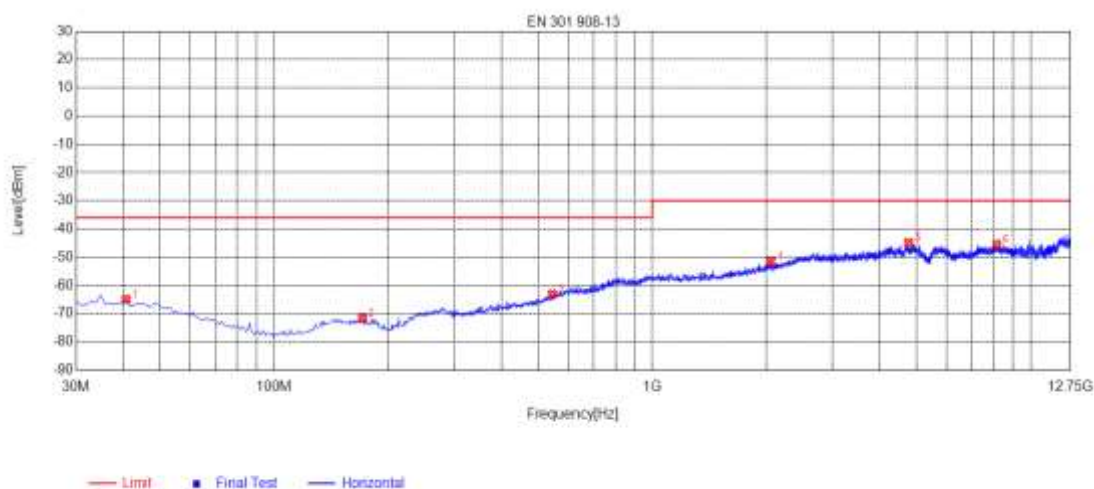
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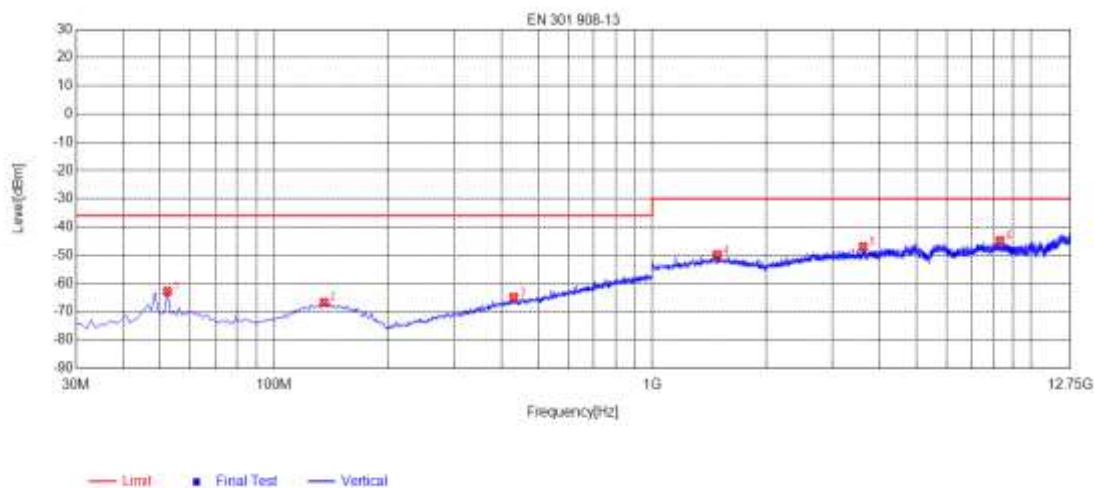
## RADIATED SPURIOUS EMISSIONS LTE Band 3– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	40.6700	-99.88	-64.97	-36.00	28.97	34.91	213	Horizontal
2	171.6200	-101.00	-71.56	-36.00	35.56	29.44	352	Horizontal
3	544.1000	-101.03	-63.15	-36.00	27.15	37.88	316	Horizontal
4	2060.0620	-52.47	-51.47	-30.00	21.47	1.00	206	Horizontal
5	4765.4531	-54.50	-44.88	-30.00	14.88	9.62	154	Horizontal
6	8140.7281	-58.39	-45.53	-30.00	15.53	12.86	154	Horizontal

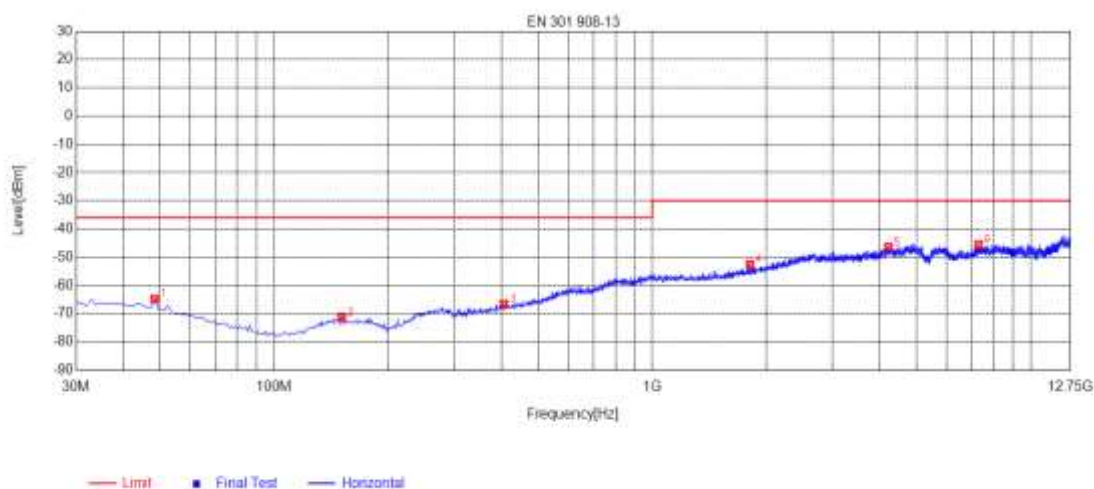


## RADIATED SPURIOUS EMISSIONS LTE Band 3- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-92.97	-62.80	-36.00	26.80	30.17	360	Vertical
2	135.7300	-100.86	-66.76	-36.00	30.76	34.10	30	Vertical
3	430.6100	-100.37	-64.95	-36.00	28.95	35.42	277	Vertical
4	1484.1968	-51.93	-49.87	-30.00	19.87	2.06	132	Vertical
5	3611.3723	-53.35	-47.02	-30.00	17.02	6.33	356	Vertical
6	8300.5601	-57.75	-44.82	-30.00	14.82	12.93	356	Vertical

## RADIATED SPURIOUS EMISSIONS LTE Band 7– HORIZONTAL

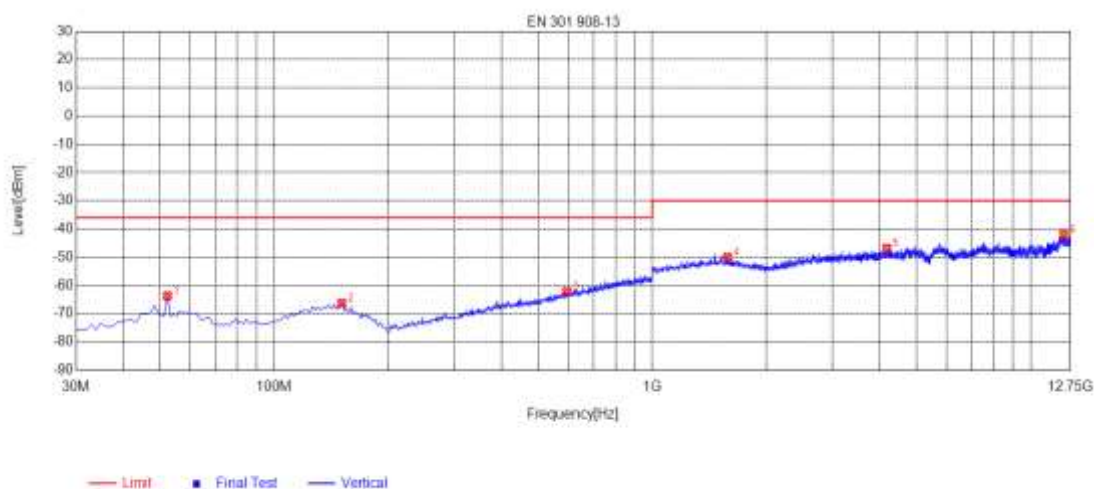


NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-98.72	-64.85	-36.00	28.85	33.87	1	Horizontal
2	151.2500	-100.65	-71.31	-36.00	35.31	29.34	23	Horizontal
3	405.3900	-101.13	-66.61	-36.00	30.61	34.52	227	Horizontal
4	1813.2627	-51.71	-52.58	-30.00	22.58	-0.87	257	Horizontal
5	4213.0926	-54.92	-46.43	-30.00	16.43	8.49	250	Horizontal
6	7294.5589	-58.40	-45.56	-30.00	15.56	12.84	30	Horizontal





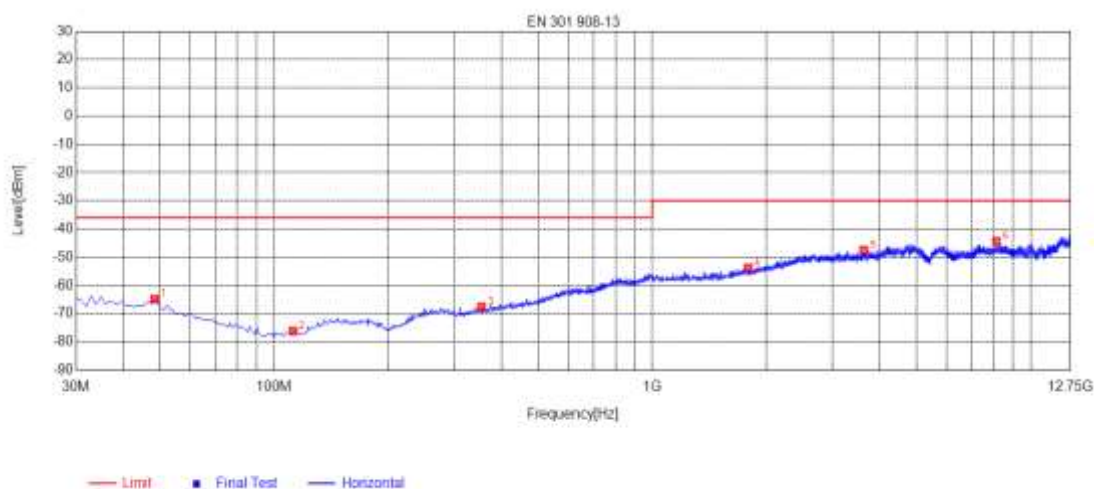
## RADIATED SPURIOUS EMISSIONS LTE Band 7- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-93.88	-63.71	-36.00	27.71	30.17	200	Vertical
2	151.2500	-99.91	-66.30	-36.00	30.30	33.61	359	Vertical
3	594.5400	-100.77	-62.19	-36.00	26.19	38.58	352	Vertical
4	1580.5661	-51.88	-50.00	-30.00	20.00	1.88	359	Vertical
5	4170.7842	-54.34	-46.79	-30.00	16.79	7.55	244	Vertical
6	12242.2985	-59.89	-42.02	-30.00	12.02	17.87	12	Vertical



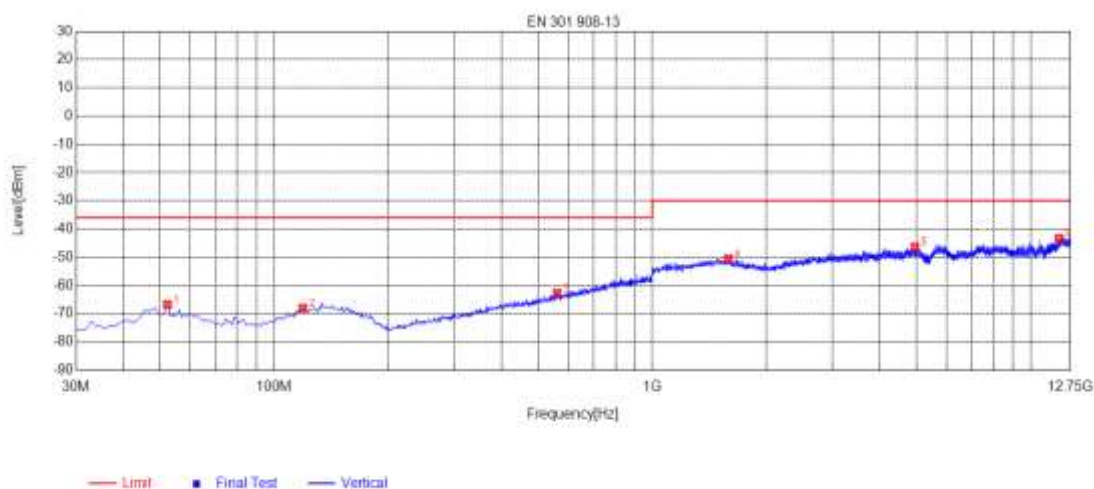
## RADIATED SPURIOUS EMISSIONS LTE Band 8– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-98.75	-64.88	-36.00	28.88	33.87	178	Horizontal
2	112.4500	-101.37	-76.19	-36.00	40.19	25.18	236	Horizontal
3	353.9800	-100.88	-67.59	-36.00	31.59	33.29	200	Horizontal
4	1794.4589	-52.81	-53.82	-30.00	23.82	-1.01	112	Horizontal
5	3623.1246	-54.09	-47.52	-30.00	17.52	6.57	3	Horizontal
6	8121.9244	-57.27	-44.42	-30.00	14.42	12.85	0	Horizontal



## RADIATED SPURIOUS EMISSIONS LTE Band 8- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-96.96	-66.79	-36.00	30.79	30.17	355	Vertical
2	119.2400	-100.99	-68.09	-36.00	32.09	32.90	116	Vertical
3	560.5900	-100.53	-62.73	-36.00	26.73	37.80	72	Vertical
4	1587.6175	-52.42	-50.57	-30.00	20.57	1.85	167	Vertical
5	4946.4393	-55.26	-46.45	-30.00	16.45	8.81	290	Vertical
6	11896.7794	-60.81	-43.37	-30.00	13.37	17.44	29	Vertical



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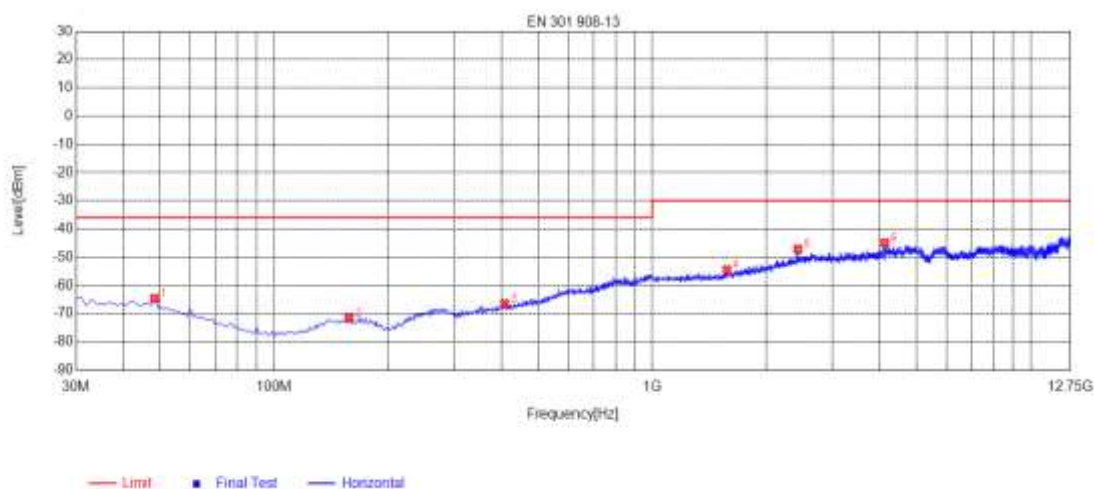
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## RADIATED SPURIOUS EMISSIONS LTE Band 20– HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-98.49	-64.62	-36.00	28.62	33.87	8	Horizontal
2	158.0400	-100.85	-71.53	-36.00	35.53	29.32	358	Horizontal
3	407.3300	-101.04	-66.48	-36.00	30.48	34.56	351	Horizontal
4	1575.8652	-51.83	-54.47	-30.00	24.47	-2.64	168	Horizontal
5	2426.7353	-51.02	-47.15	-30.00	17.15	3.87	1	Horizontal
6	4116.7233	-53.13	-44.98	-30.00	14.98	8.15	329	Horizontal



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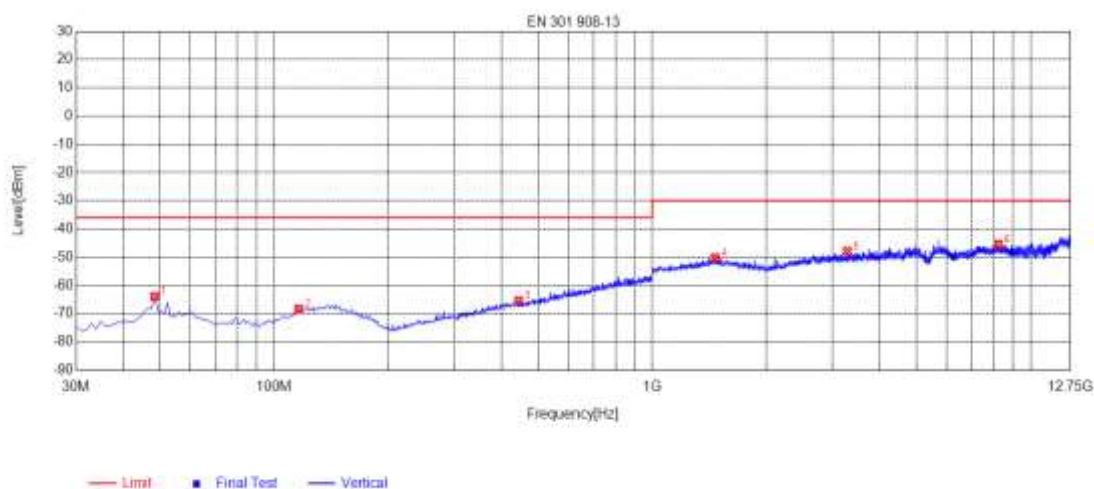
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Service Hotline: 400 089 2118

## RADIATED SPURIOUS EMISSIONS LTE Band 20- VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-93.46	-63.91	-36.00	27.91	29.55	96	Vertical
2	116.3300	-100.71	-68.36	-36.00	32.36	32.35	184	Vertical
3	443.2200	-101.04	-65.44	-36.00	29.44	35.60	75	Vertical
4	1467.7435	-52.13	-50.18	-30.00	20.18	1.95	126	Vertical
5	3277.6055	-53.58	-47.90	-30.00	17.90	5.68	345	Vertical
6	8225.3451	-58.27	-45.38	-30.00	15.38	12.89	2	Vertical



**APPENDIX G: PHOTOGRAPHS OF TEST SETUP**  
**RADIATED SPURIOUS EMISSION TEST**



**RADIATED SPURIOUS EMISSION ABOVE 1G TEST**



**----END OF REPORT----**