



RADIO TEST REPORT

For

Shenzhen Huafurui Technology Co., Ltd.

Smartphone

Test Model: NOTE 50

Prepared for : Shenzhen Huafurui Technology Co., Ltd.
Address : Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, 518055, P.R. China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : May 15, 2023
Number of tested samples : 2
Serial number : Prototype
Date of Test : May 15, 2023 ~ June 05, 2023
Date of Report : June 07, 2023



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RADIO TEST REPORT	
ETSI EN 301 908-1 V15.2.1 (2023-01)&ETSI EN 301 908-2 V13.1.1 (2020-06)	
Report Reference No.	LCSA051523066EI
Date of Issue	June 07, 2023
Testing Laboratory Name	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure	Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, 518055, P.R. China
Test Specification	
Standard	ETSI EN 301 908-1 V15.2.1 (2023-01) ETSI EN 301 908-2 V13.1.1 (2020-06)
Test Report Form No	LCSEMC-1.0
TRF Originator	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	Dated 2017-06
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Test Item Description : Smartphone	
Trade Mark	CUBOT
Test Model	NOTE 50
Ratings	Input: 5.0V \Rightarrow 2.0A For AC Adapter Input: 100-240V~, 50/60Hz, 0.3A Adapter Output: 5.0V \Rightarrow 2.0A, 10.0W DC 3.87V by Rechargeable Li-ion Battery, 5200mAh
Result	Positive

Compiled by:

Kevin Huang

Supervised by:

Cary Luo

Approved by:

Gavin Liang

Kevin Huang/ Administrator

Cary Luo/ Technique principal

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA051523066EI	June 07, 2023 Date of issue
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Test Model..... : NOTE 50

EUT..... : Smartphone

Applicant..... : Shenzhen Huafurui Technology Co., Ltd.

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Telephone..... : /

Fax..... : /

Manufacturer..... : Shenzhen Huafurui Technology Co., Ltd.

Address..... : Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, 518055, P.R. China

Telephone..... : /

Fax..... : /

Factory..... : Shenzhen Huafurui Technology Co., Ltd.

Address..... : Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, 518055, P.R. China

Telephone..... : /

Fax..... : /

Test Result	Positive
--------------------	-----------------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	June 07, 2023	Initial Issue	---





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1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	: Smartphone
Test Model	: NOTE 50
Power Supply	: Input: 5.0V \pm 2.0A For AC Adapter Input: 100-240V~, 50/60Hz, 0.3A Adapter Output: 5.0V \pm 2.0A, 10.0W DC 3.87V by Rechargeable Li-ion Battery, 5200mAh
Hardware Version	: G2233G-UF-V1.1
Software Version	: CUBOT_NOTE_50_D041C_V1.0
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.0 (BDR/EDR) 40 channels for Bluetooth V5.0 (BT LE)
Channel Spacing	: 1MHz for Bluetooth V5.0 (BDR/EDR) 2MHz for Bluetooth V5.0 (BT LE)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0 (BDR/EDR) GFSK for Bluetooth V5.0 (BT LE)
Bluetooth Version	: V5.0
Antenna Description	: PIFA Antenna, 2.63dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2472MHz
Channel Spacing	: 5MHz
Channel Number	: 13 Channel for 20MHz bandwidth(2412~2472MHz)
Modulation Type	: 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, 2.63dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 channels for 20MHz bandwidth(5180~5240MHz) 2 channels for 40MHz bandwidth(5190~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, 1.74dBi(Max.)
WIFI(5.8G Band)	:
Frequency Range	: 5745MHz~5825MHz
Channel Number	: 5 channels for 20MHz bandwidth(5745~5825MHz)



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2 channels for 40MHz bandwidth(5755~5795MHz)	
1 channels for 80MHz bandwidth(5775MHz)	
Modulation Type	: 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna, 1.74dBi(Max.)
2G	:
Support Band	: <input checked="" type="checkbox"/> GSM 900 (EU-Band) <input checked="" type="checkbox"/> DCS 1800 (EU-Band)
Release Version	: R99
GPRS Class	: Class 12
EGPRS Class	: Class 12
Uplink	: GSM 900: 880MHz~915MHz DCS 1800: 1710MHz~1785MHz
Downlink	: GSM 900: 925MHz~960MHz DCS 1800: 1805MHz~1880MHz
Type Of Modulation	: GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	: PIFA Antenna -3.38dBi (max.) For GSM 900 -0.49dBi (max.) For DCS 1800
Power Class	: GSM 900: Level 5, DCS 1800: Level 0 EGPRS 900: Level 8, EGPRS 1800: Level 2
3G	:
Support Band	: <input checked="" type="checkbox"/> WCDMA Band I (EU-Band) <input checked="" type="checkbox"/> WCDMA Band VIII (EU-Band)
Release Version	: R8
Uplink	: WCDMA Band I: 1920MHz~1980MHz WCDMA Band VIII: 880MHz~915MHz
Downlink	: WCDMA Band I: 2110MHz~2170MHz WCDMA Band VIII: 925MHz~960MHz
Type Of Modulation	: QPSK/16QAM
Antenna Description	: PIFA Antenna -3.71dBi (max.) For WCDMA Band I -3.38dBi (max.) For WCDMA Band VIII
Power Class	: Level 3
LTE	:
Support Band	: <input checked="" type="checkbox"/> E-UTRA Band 1(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 3(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 7(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 8(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 20(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 38(EU-Band) <input checked="" type="checkbox"/> E-UTRA Band 40(EU-Band)



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LTE Release Version : R9

FDD Band : Uplink: E-UTRA Band 1: 1920MHz~1980MHz
E-UTRA Band 3: 1710MHz~1785MHz
E-UTRA Band 7: 2500MHz~2570MHz
E-UTRA Band 8: 880MHz~915MHz
E-UTRA Band 20: 832MHz~862MHz
Downlink: E-UTRA Band 1: 2110MHz~2170MHz
E-UTRA Band 3: 1805MHz~1880MHz
E-UTRA Band 7: 2620MHz~2690MHz
E-UTRA Band 8: 925MHz~960MHz
E-UTRA Band 20: 791MHz~821MHz
TDD Band : E-UTRA Band 38: 2570MHz~2620MHz
E-UTRA Band 40: 2300MHz~2400MHz

Type Of Modulation : QPSK/16QAM

Antenna Description : PIFA Antenna
-3.71dBi (max.) For E-UTRA Band 1
-1.05dBi (max.) For E-UTRA Band 3
-0.80dBi (max.) For E-UTRA Band 7
-3.38dBi (max.) For E-UTRA Band 8
-1.60dBi (max.) For E-UTRA Band 20
-0.80dBi (max.) For E-UTRA Band 38
1.65dBi (max.) For E-UTRA Band 40

Power Class : Class 3

GPS Receiver :

Receive Frequency : 1575.42MHz

Channel Number : 1

Antenna Description : PIFA Antenna, 0.77dBi(Max.)

BDS Receiver :

Receive Frequency : 1561.098MHz

Channel Number : 1

Antenna Description : PIFA Antenna, 0.77dBi(Max.)

NFC :

Frequency Range : 13.56MHz

Modulation Type : ASK

Antenna Description : PIFA Antenna, 0dBi(Max.)



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1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
ShenZhen HuaJin Electronics CO., LTD	AC Power Adapter	HJ-0502000W2-EU	---	CE

1.3. External I/O

I/O Port Description	Quantity	Cable
Type-C USB Port	1	USB Cable: 1.0m, unshielded

1.4. Objective

Standard Referenced	Standard Title	Standard Version
ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements; Release 15	V15.2.1 (2023-01)
ETSI EN 301 908-2	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)	V13.1.1 (2020-06)

The objective is to determine compliance with ETSI EN 301 908-1 V15.2.1 (2023-01) & ETSI EN 301 908-2 V13.1.1 (2020-06).

1.5. Test Conditions

Conditions	Temperature	Voltage
Normal	21-25°C	DC 3.87V
Low extreme Temperature/Low extreme Voltage (TL/VL);	-20°C	DC 3.48V
Low extreme Temperature/High extreme Voltage (TL/VH);	-20°C	DC 4.45V
High extreme Temperature/Low extreme Voltage (TH/VL);	45°C	DC 3.48V
High extreme Temperature/High extreme Voltage (TH/VH).	45°C	DC 4.45V

Note1: For all conditions, the humidity range is:40-75%, the pressure range is 86-106kPa. The High Voltage DC 4.45V and Low Voltage DC 3.48V was declared by manufacturer.

Note2: Test Model narrower than 72 mm, so TRS/ TRP exempt from the test.





1.6. Description Of Test Mode

1. WCDMA Band I

- 1). Low Channel Operation(9612Channel)
- 2). Middle Channel Operation(9750Channel)
- 3). High Channel Operation(9888Channel)

2. WCDMA Band VIII

- 1). Low Channel Operation(2713Channel)
- 2). Middle Channel Operation(2788Channel)
- 3). High Channel Operation(2862Channel)

1.7. Measurement Uncertainty (95% confidence levels, k=2)

Test Item		Uncertainty
Radio Frequency	:	0.9×10^{-4}
Total RF Power, Conducted	:	1.0 dB
RF Power Density, Conducted	:	1.8 dB
Spurious Emissions, Conducted	:	1.8 dB
All Emissions, Radiated	:	3.1 dB
Temperature	:	0.5°C
Humidity	:	1 %
DC And Low Frequency Voltages	:	1 %

1.8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.



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2. SYSTEM TEST CONFIGURATION

2.1. Justification

N/A

2.2. EUT Exercise Software

N/A

2.3. Special Accessories

The special accessories were supplied by Shenzhen LCS Compliance Testing Laboratory Ltd.

2.4. Block Diagram/Schematics

Please refer to the related document.

2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

2.6. Test Setup

Please refer to the test setup photo.



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3. SUMMARY OF TEST RESULTS

Test Engineer	:	Taylor Hu
Temperature/ Humidity:	:	24.3°C/ 54.4%

Reference Clause No. (ETSI EN 301 908-2)	Description of Test Items	WCDMA Band VIII	WCDMA Band I
		Result	Result
4.2.2	Transmitter maximum output power		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Transmitter maximum output power for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.3	Transmitter spectrum emission mask		
	Normal	Pass	Pass
	Transmitter spectrum emission mask for HSDPA & HSUPA		
	Normal	Pass	Pass
4.2.4	Transmitter spurious emissions		
	Normal	Pass	Pass
	Transmitter spurious emission for HSDPA & HSUPA		
	Normal	Pass	Pass
4.2.5	Transmitter minimum output power		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.6	Receiver Adjacent Channel Selectivity (ACS)		
	NT / NV	Pass	Pass
	Receiver Adjacent Channel Selectivity for HSDPA & HSUPA		
	NT / NV	Pass	Pass
4.2.7	Receiver blocking characteristics		
	Normal	Pass	Pass
4.2.8	Receiver spurious response		
	Normal	Pass	Pass
4.2.9	Receiver intermodulation characteristics		



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	Normal	Pass	Pass
4.2.10	Receiver spurious emissions		
	Normal	Pass	Pass
4.2.11	Out-of-synchronization handling of output power		
	Normal	Pass	Pass
4.2.12	Transmitter Adjacent Channel Leakage power Ratio (ACLR)		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Transmitter Adjacent Channel Leakage power Ratio (ACLR) for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
4.2.13	Receiver Reference Sensitivity level		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass
	Receiver Reference Sensitivity level for HSDPA & HSUPA		
	Normal	Pass	Pass
	TL/VL	Pass	Pass
	TL/VH	Pass	Pass
	TH/VL	Pass	Pass
	TH/VH	Pass	Pass

Reference Clause No. (ETSI EN 301 908-1)	Description of Test Items	WCDMA Band VIII	WCDMA Band I
		Result	Result
4.2.2	Radiated emissions (UE)		
	Normal	Pass	Pass
4.2.4	Control and monitoring functions (UE)		
	Normal	Pass	Pass

***Note:

Result: Describes test result of Test Case.

Pass: Test Case passed on specified conformance test platform.

Normal(TN/VN): Normal temperature – 25°C; Normal voltage. – DC 3.87V

TH: High extreme Temperature – +45°C

VH: High extreme Voltage – DC 4.45V

TL: Low extreme Temperature – -20°C

VL: Low extreme Voltage – DC 3.48V

N/A: Not applicable.

—: Not test.



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4. LIST OF MEASURING EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
2	RF Control Unit	Tonscend	JS0806-1	158060009	2022-10-29	2023-10-28
3	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2022-10-29	2023-10-28
4	DC Power Supply	Agilent	E3642A	N/A	2022-10-29	2023-10-28
5	MXG Vector Signal Generator	Agilent	N5182A	MY47071151	2022-06-16	2023-06-15
6	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2022-06-16	2023-06-15
7	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2022-10-06	2023-10-05
8	EMI Test Software	Farad	EZ	/	N/A	N/A
9	3m Full Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2021-09-25	2024-09-24
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2022-06-16	2023-06-15
16	EMI Test Receiver	R&S	ESR 7	101181	2022-06-16	2023-06-15
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2022-10-29	2023-10-28
18	Broadband Preamplifier	/	BP-01M18G	P190501	2022-06-16	2023-06-15
19	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2022-06-16	2023-06-15
20	RF Filter	Micro-Tronics	BRC50718	017	2022-10-29	2023-10-28
21	RF Filter	Micro-Tronics	BRC50719	011	2022-10-29	2023-10-28
22	RF Filter	Micro-Tronics	BRC50720	011	2022-10-29	2023-10-28
23	RF Filter	Micro-Tronics	BRC50721	013	2022-10-29	2023-10-28
24	RF Filter	Micro-Tronics	BRM50702	195	2022-08-17	2023-08-16
25	6dB Attenuator	/	100W/6dB	1172040	2022-06-16	2023-06-15
26	3dB Attenuator	/	2N-3dB	/	2022-10-29	2023-10-28



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5. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files Appendix D for Photographs of Test Setup_RF.

6. PHOTOGRAPHS OF THE EUT

Please refer to separated files Appendix C for Photographs of The EUT.





Annex A

Transmitter maximum output power

The worst test result of maximum output power for WCDMA Band I

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	22.79	22.76	22.72	24	Pass
	VN	23.18	23.19	23.22		Pass
	VH	23.17	23.16	23.16		Pass
TN	VL	23.29	23.31	23.39		Pass
	VN	23.59	23.67	23.73		Pass
	VH	23.19	23.15	23.16		Pass
TH	VL	23.08	23.04	23.06		Pass
	VN	22.93	22.94	22.98		Pass
	VH	22.85	22.86	22.88		Pass

The worst test result of maximum output power for WCDMA Band I (HSUPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	21.42	21.35	21.36	24	Pass
	VN	22.14	22.13	22.09		Pass
	VH	22.06	22.07	22.08		Pass
TN	VL	22.03	22.07	22.00		Pass
	VN	22.42	22.37	22.32		Pass
	VH	21.99	22.05	22.05		Pass
TH	VL	21.90	21.95	21.93		Pass
	VN	21.94	21.96	21.93		Pass
	VH	21.84	21.82	21.80		Pass

The worst test result of maximum output power for WCDMA Band I (HSDPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 9612	Middle Channel 9750	High Channel 9888		
TL	VL	21.84	21.83	21.80	24	Pass
	VN	21.81	21.85	21.91		Pass
	VH	21.93	21.94	21.97		Pass
TN	VL	21.91	21.84	21.78		Pass
	VN	22.64	22.56	22.56		Pass
	VH	22.02	22.01	21.93		Pass
TH	VL	21.91	21.92	21.85		Pass
	VN	21.76	21.71	21.72		Pass
	VH	21.72	21.73	21.72		Pass



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The worst test result of maximum output power for WCDMA Band VIII

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	22.65	22.64	22.62	24	Pass
	VN	22.90	22.89	22.88		Pass
	VH	22.82	22.79	22.86		Pass
TN	VL	23.13	23.17	23.14		Pass
	VN	23.21	23.19	23.25		Pass
	VH	23.28	23.33	23.28		Pass
TH	VL	22.96	22.95	22.93		Pass
	VN	22.91	22.98	22.94		Pass
	VH	22.75	22.77	22.80		Pass

The worst test result of maximum output power for WCDMA Band VIII (HSUPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	21.76	21.74	21.75	24	Pass
	VN	22.00	22.03	22.09		Pass
	VH	21.85	21.81	21.90		Pass
TN	VL	22.51	22.54	22.55		Pass
	VN	22.22	22.26	22.22		Pass
	VH	22.20	22.16	22.18		Pass
TH	VL	22.02	22.01	21.98		Pass
	VN	21.72	21.71	21.65		Pass
	VH	21.92	21.99	22.00		Pass

The worst test result of maximum output power for WCDMA Band VIII (HSDPA)

Test Condition		Measure Result (dBm)			Nominal Output Power (dBm)	Conclusion
Temperature (°C)	Voltage (Vdc)	Low Channel 2713	Middle Channel 2788	High Channel 2862		
TL	VL	22.26	22.34	22.29	24	Pass
	VN	21.74	21.74	21.75		Pass
	VH	21.89	21.87	21.85		Pass
TN	VL	22.26	22.17	22.17		Pass
	VN	22.27	22.31	22.33		Pass
	VH	22.07	22.11	22.12		Pass
TH	VL	21.65	21.58	21.58		Pass
	VN	21.73	21.70	21.69		Pass
	VH	22.09	22.06	22.10		Pass



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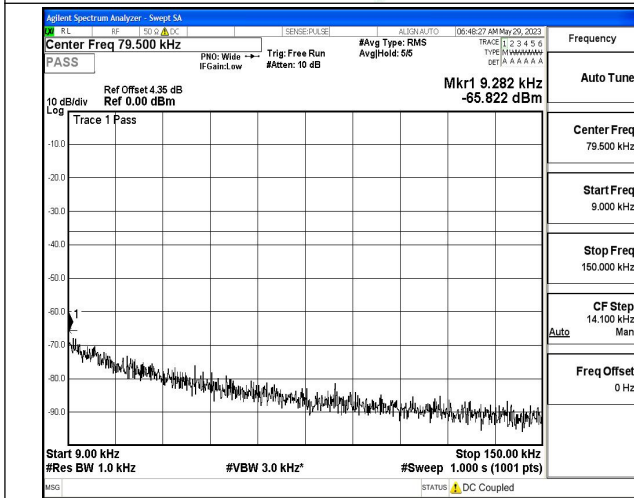
Scan code to check authenticity



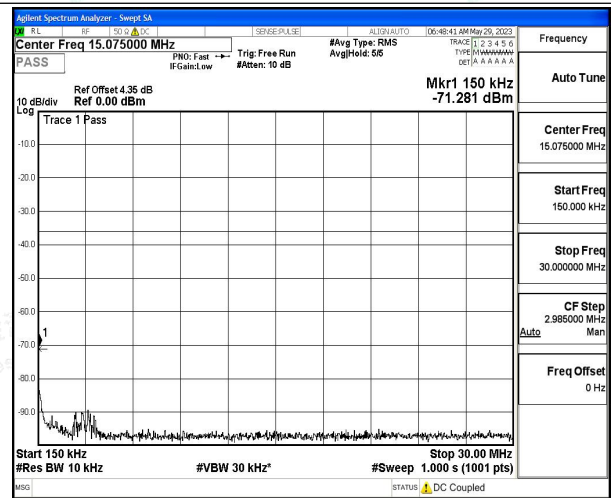
Transmitter spurious emissions

(Note: Only Record The Worst Test Result.)

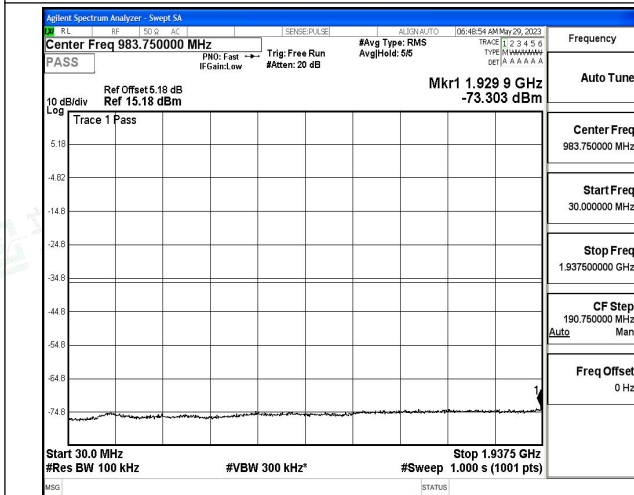
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



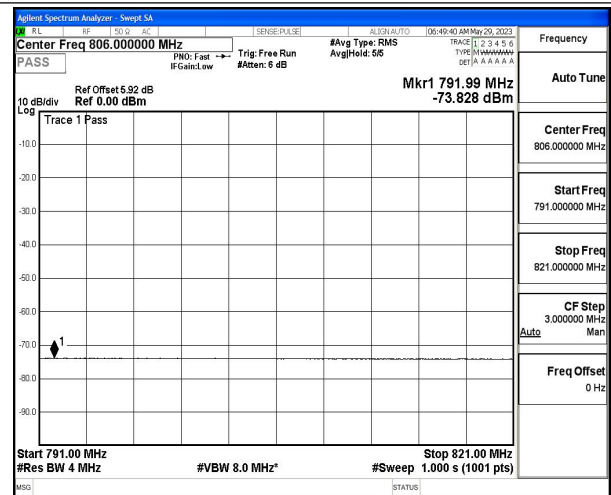
9KHz~150KHz



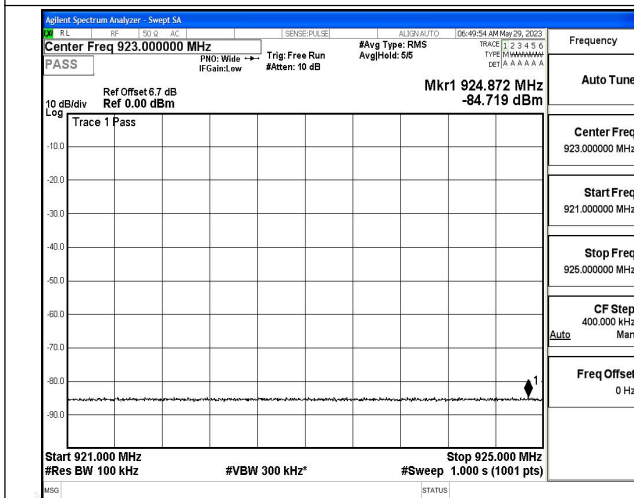
150KHz~30MHz



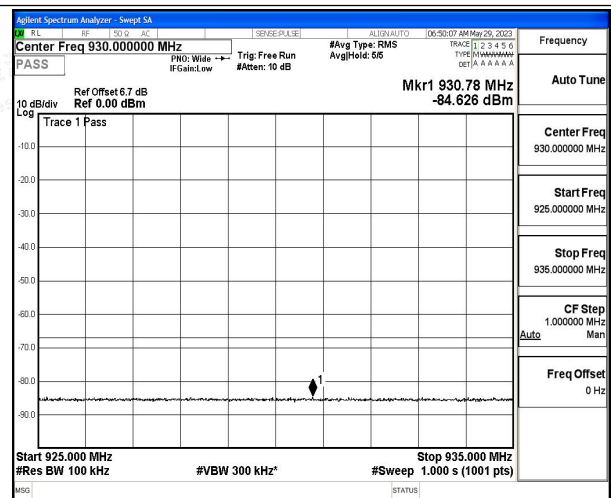
30MHz~1.9375GHz



791.0MHz~821MHz



921MHz~925MHz



925MHz~935MHz



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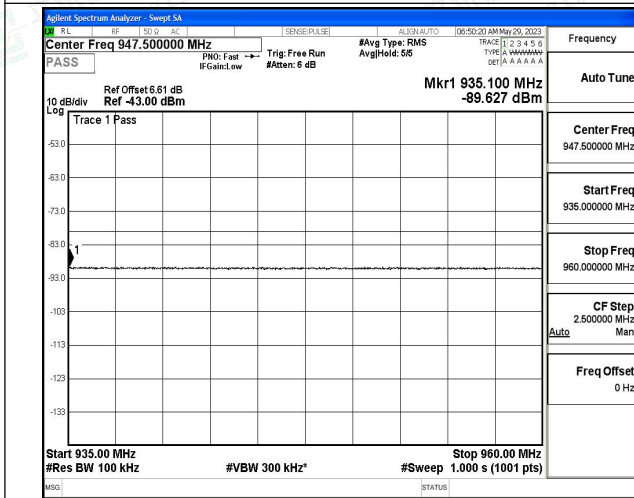
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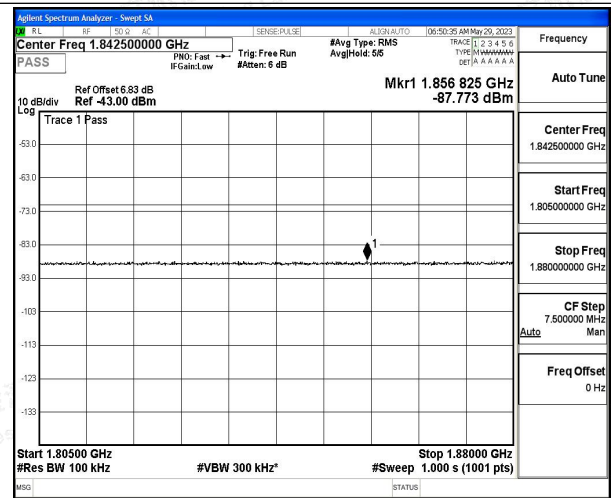
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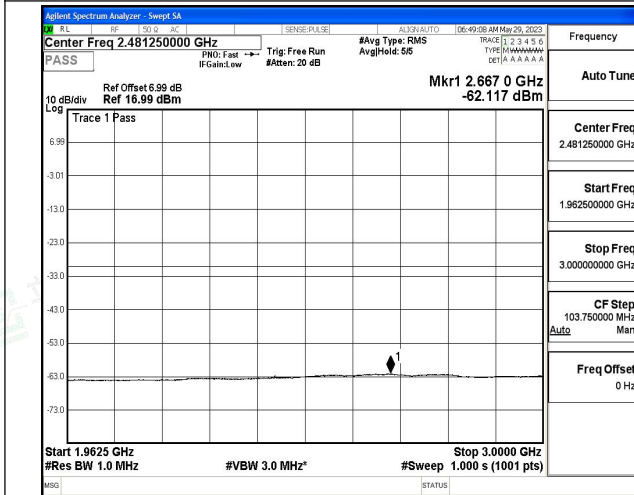
The Worst Test Result of Spurious Emissions for Band I (Middle Channel, Traffic)



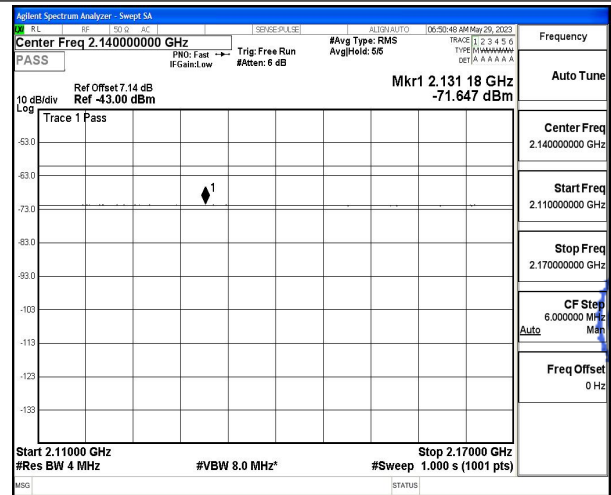
935MHz~960MHz



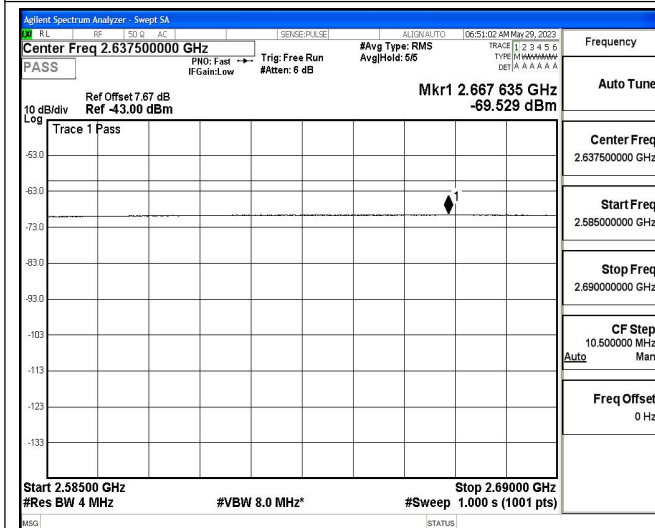
1.805GHz~1.880GHz



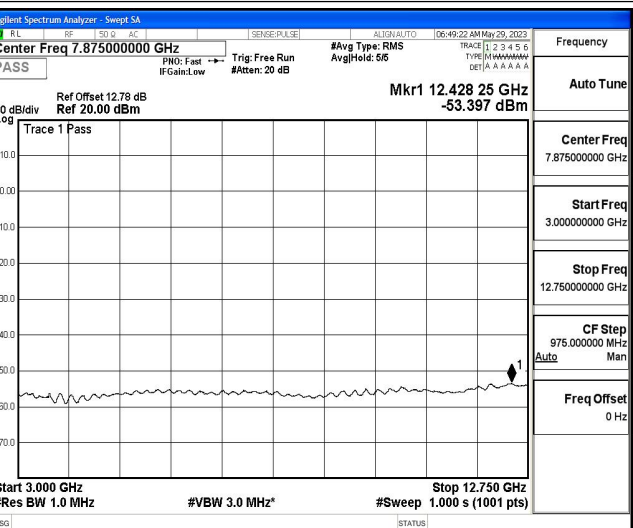
1.9625GHz~3GHz



2.110GHz~2.170GHz



2.585GHz~2.690GHz



3GHz~12.750GHz



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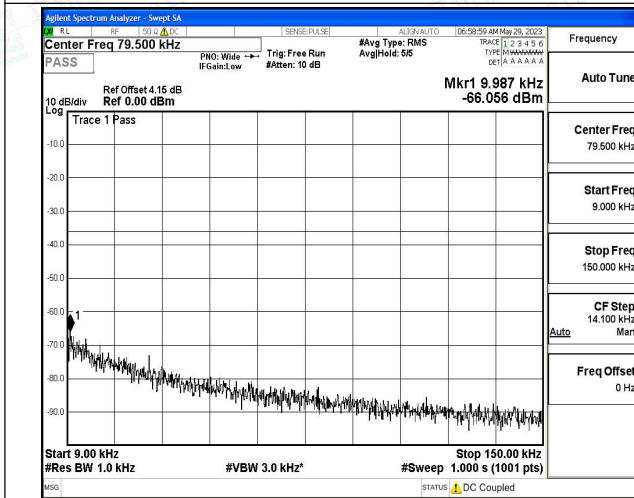
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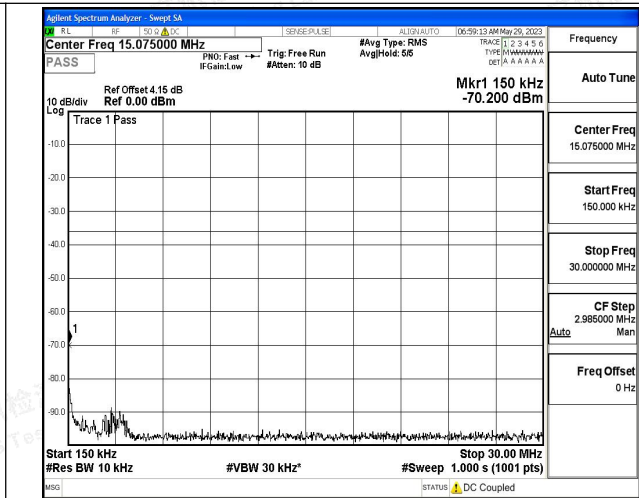
Scan code to check authenticity



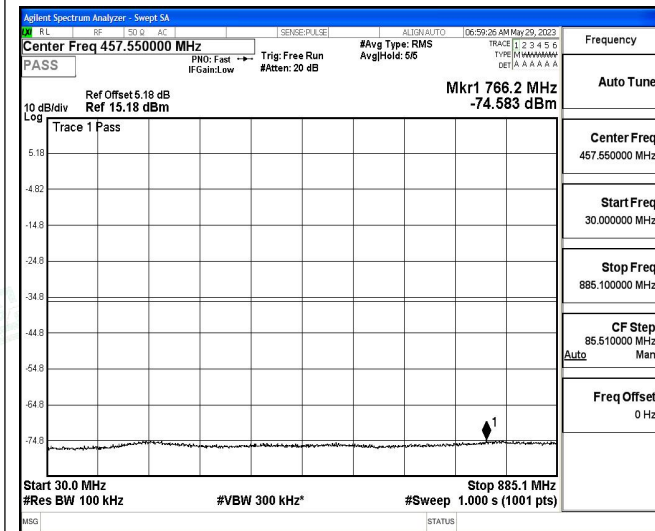
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



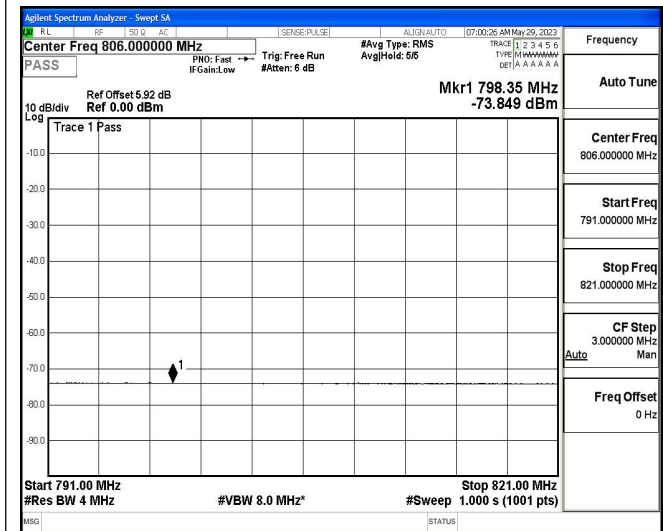
9KHz~150KHz



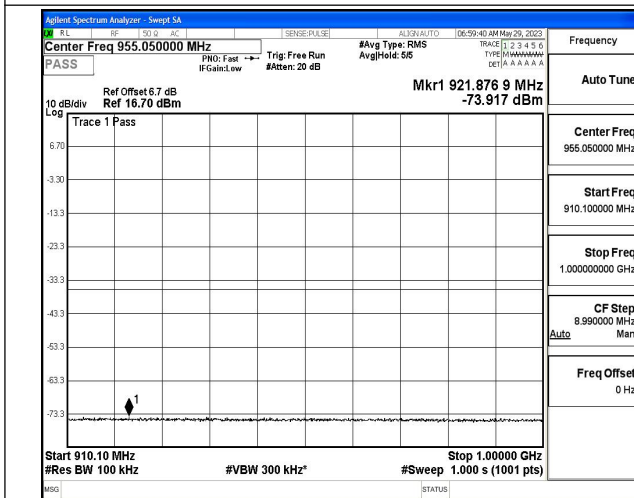
150KHz~30MHz



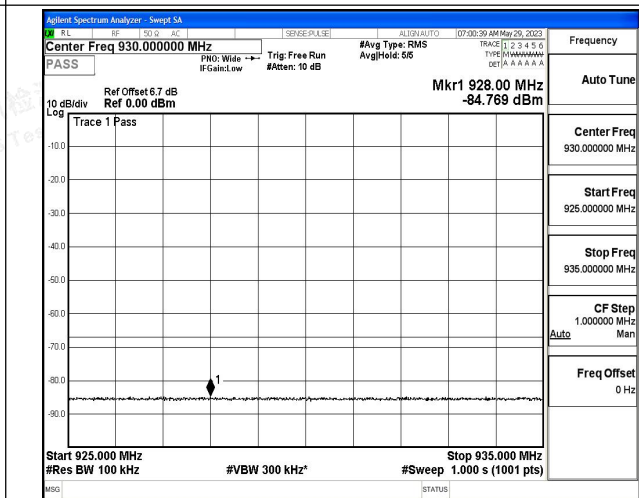
30MHz~885.1MHz



791MHz~821MHz



910.10MHz~1GHz



925MHz~935MHz



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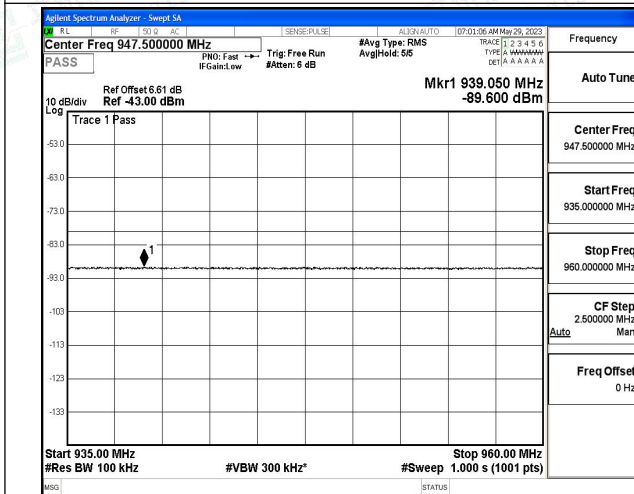
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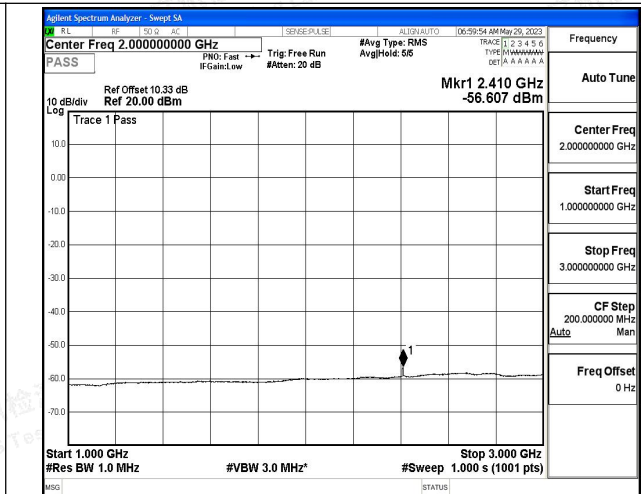
Scan code to check authenticity



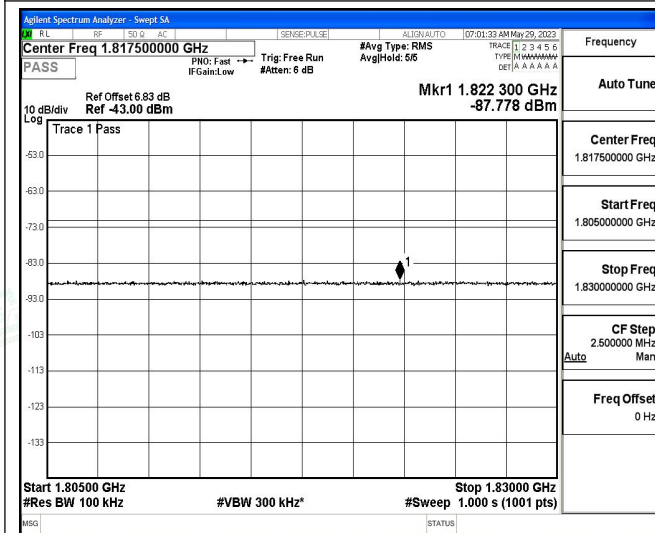
The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)



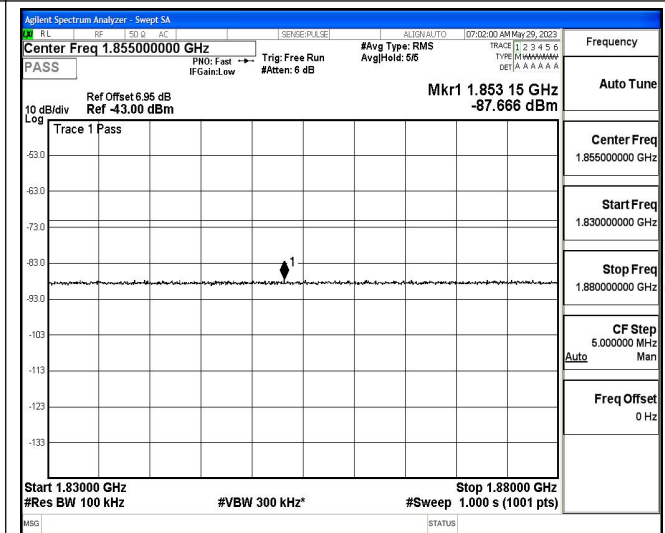
935MHz~960MHz



1GHz~3GHz



1.805GHz~1.830GHz



1.830GHz~1.880GHz



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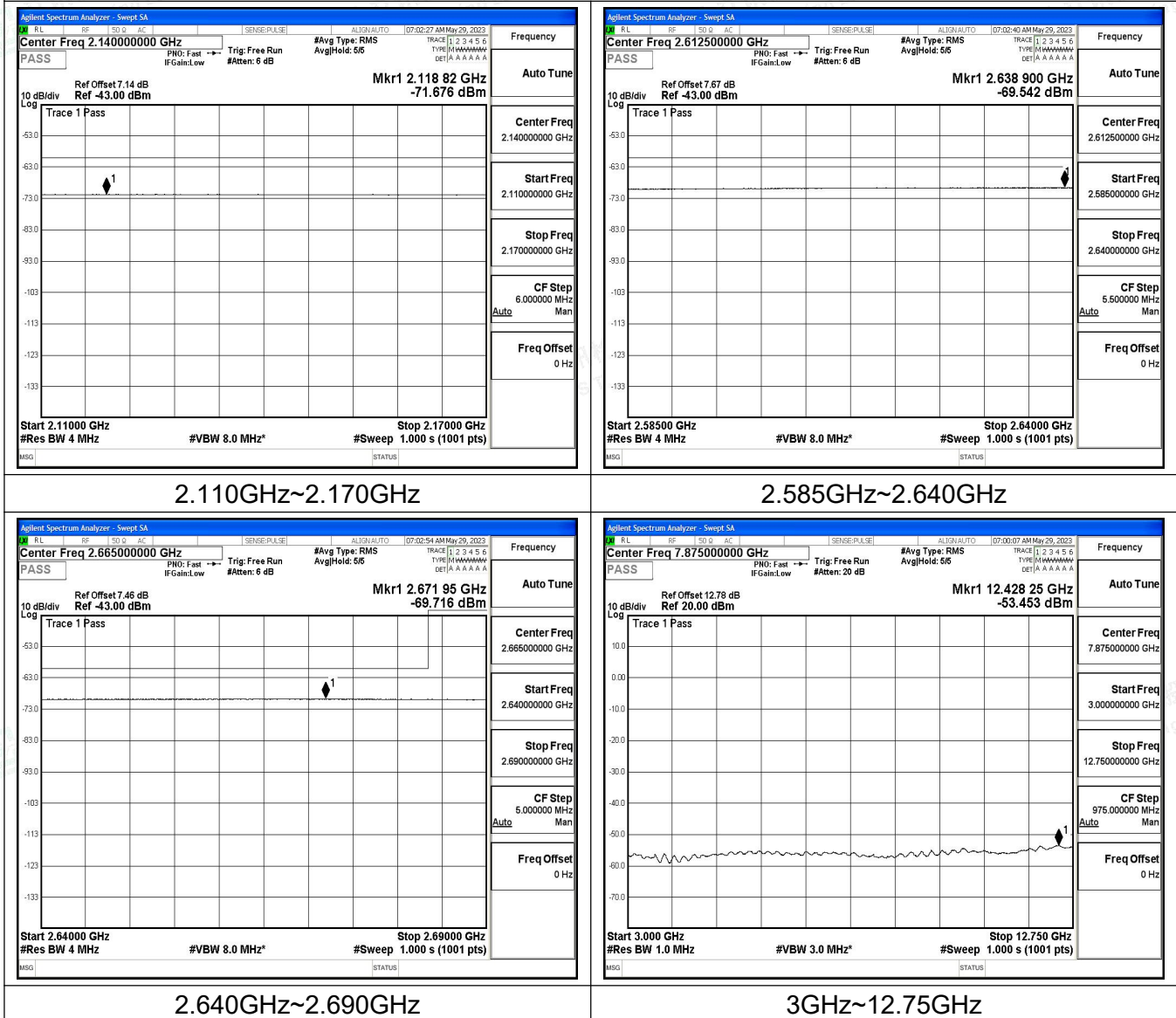
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The Worst Test Result of Spurious Emissions for Band VIII (Middle Channel, Traffic)





Transmitter spurious emissions

Radiated spurious emissions - MS allocated a channel(Worst Case)

WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.62	Horizontal	-76.93	-36.00	Pass
832.95	H	-78.91	-36.00	
3822.73	H	-67.86	-30.00	
5733.99	H	-57.93	-30.00	
7641.17	H	-56.81	-30.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
51.77	Vertical	-77.71	-36.00	Pass
908.12	V	-70.33	-36.00	
3820.38	V	-61.66	-30.00	
5735.11	V	-57.76	-30.00	
7644.82	V	-51.31	-30.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
53.60	Horizontal	-78.58	-36.00	Pass
861.20	H	-70.90	-36.00	
1283.41	H	-62.06	-30.00	
2581.89	H	-52.09	-30.00	
3501.47	H	-60.53	-30.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
55.33	Vertical	-71.79	-36.00	Pass
847.67	V	-74.35	-36.00	
1281.96	V	-69.73	-30.00	
2584.71	V	-50.70	-30.00	
3501.45	V	-54.09	-30.00	



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Radiated spurious emissions - MS in Idle Mode(Worst Case)

WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
52.07	Horizontal	-70.56	-57.00	Pass
857.17	H	-71.07	-57.00	
1793.77	H	-62.48	-47.00	
2700.78	H	-55.29	-47.00	
3620.46	H	-53.41	-47.00	
WCDMA Band I: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
50.06	Vertical	-78.31	-57.00	Pass
812.40	V	-71.60	-57.00	
1795.47	V	-65.44	-47.00	
2704.22	V	-54.81	-47.00	
3612.84	V	-52.28	-47.00	

WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
59.00	Horizontal	-75.46	-57.00	Pass
966.58	H	-70.13	-57.00	
1697.28	H	-69.19	-47.00	
2671.76	H	-53.16	-47.00	
3249.39	H	-58.95	-47.00	
WCDMA Band VIII: Middle Channel, Normal condition				
Frequency (MHz)	Radiated Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.82	Vertical	-70.37	-57.00	Pass
721.65	V	-72.18	-57.00	
1696.87	V	-64.52	-47.00	
2670.25	V	-60.48	-47.00	
3247.19	V	-58.48	-47.00	

-----THE END OF REPORT-----



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