



# **RADIO TEST REPORT**

## **ETSI EN 301 908-1 V13.1.1 (2019-11)**

## **ETSI EN 301 908-13 V13.1.1 (2019-11)**

**Product :** Smartphone

**Trade Mark :** CUBOT

**Model Name :** NOTE 8

**Family Model :** N/A

**Report No. :** S22031102409008

### **Prepared for**

Shenzhen Huafurui Technology Co., Ltd

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  
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### **Prepared by**

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**TEST RESULT CERTIFICATION**

**Applicant's name** ..... : Shenzhen Huafului 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,P.R. China

**Manufacturer's Name** ..... : Shenzhen Huafului 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,P.R. China

**Product description**

**Product name** ..... : Smartphone  
**Trademark** ..... : CUBOT  
**Model Name** ..... : NOTE 8  
**Family Model** ..... : N/A

**Standards** ..... : ETSI EN 301 908-1 V13.1.1 (2019-11)  
ETSI EN 301 908-13 V13.1.1 (2019-11)

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the article 3.2 of the Directive 2014/53/EU requirements. And it is applicable only to the tested sample identified in the report.

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**Date of Test** .....

Date (s) of performance of tests ..... Feb 18. 2022 ~ Mar 15. 2022

Date of Issue ..... Mar 16. 2022

Test Result ..... **Pass**

Testing Engineer :



(Allen Liu)

Authorized Signatory :



(Alex Li)

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## Revision History

Report No.	Version	Description	Issued Date
S22031102409008	Rev.01	Initial issue of report	Mar 16. 2022

## 1.SUMMARY OF TEST RESULTS

### 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 301908-13	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	3GPP TS 36.521-1	3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification Radio transmission and reception Part 1: Conformance Testing
4	3GPP TS 36.521-2	3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS)

## 1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.

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FCC Registered No.: 463705 IC Registered No.:9270A-1

CNAS Registration No.:L5516

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$

## 2.GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smartphone
Trade Mark	CUBOT
Model Name	NOTE 8
Family Model:	N/A
Model Difference:	N/A
Frequency Bands:	E-UTRA FDD I, III, VII, VIII, XX
Frequency Bands:	FDD Band I: Uplink: 1920 MHz to 1980MHz Downlink: 2110 MHz to 2170 MHz FDD Band III: Uplink:1710 MHz to 1785 MHz Downlink: 1805 MHz to 1880 MHz FDD Band VII: Uplink: 2500 MHz to 2570 MHz Downlink: 2620 MHz to 2690 MHz FDD Band VIII: Uplink: 880MHz to 915 MHz Downlink: 925 MHz to 960 MHz FDD Band XX: Uplink: 832 MHz to 862 MHz
Power Class:	E-UTRA :3
SIM CARD :	SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.
Modulation Mode:	QPSK, 16QAM
Adapter	Model: TPA-97050100VU Input: 100-240V~50/60Hz, 0.15A Output: 5.0V---1.0A, 5.0W
Battery	DC 3.8V, 3100mAh
Rating	DC 3.8V from battery or DC 5V from Adapter.
Antenna:	PIFA Antenna
Antenna Gain:	Band 1: 0.9dBi; Band 3: -0.5dBi; Band 7: 1.0dBi Band 8: -1.3dBi; Band 20: -1.6dBi;
Hardware Version	TE117_MAIN_PCB_V1.0
Software Version	CUBOT_NOTE 8_B073C_V01

## 2.2 LIST OF TEST EQUIPMENTS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2021.04.27	2022.04.26	1 year
2	Test Receiver	R&S	ESPI7	101318	2021.04.27	2022.04.26	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2021.03.29	2022.03.28	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
5	Spectrum Analyzer	Agilent	N9020A	MY46471732	2021.04.27	2022.04.26	1 year
6	Horn Antenna	EM	EM-AH-20180	2011071402	2021.03.29	2022.03.28	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2021.11.07	2022.11.06	1 year
8	Amplifier	EMC	EMC051835S E	980246	2021.07.01	2022.06.30	1 year
9	Loop Antenna	ARA	PLA-2030/B	1029	2021.04.27	2022.04.26	1 year
10	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	2021.07.01	2022.06.30	1 year
11	LTE Wireless Communications Test Set	R&S	CMW500	1100.008.02	2021.03.29	2022.03.28	1 year
12	Power Splitter	Mini-Circuits	ZN2PD-63-S+	SF025101428	2020.04..07	2023.04.06	3 year
13	Wireless Communication Test	Anritsu	MT8821C	6262192315	2021.11.07	2022.11.06	1 year
14	Power Meter	DARE	RPR3006W	15I00041SNO8 4	2021.07.01	2022.06.30	1 year
15	ESG VETCTOR SIGNAL GENERATOR	Agilent	E4438C	MY45093347	2021.04.27	2022.04.26	1 year
16	Spectrum Analyzer	R&S	FSV40	101417	2021.07.01	2022.06.30	1 year

## 2.3 TEST ENVIRONMENT/CONDITIONS

Normal Temperature (NT):	15 ... 35 °C		
Relative Humidity:	30 ... 75 %		
Air Pressure:	980 ... 1020 hPa		
Details of Power Supply:	DC 3.8V		
Extreme Temperature:	Low Temperature (LT)	=	-10°C
	High Temperature (HT)	=	40°C
Extreme Voltage of the EUT (Declared by manufacturer):	Normal Voltage (NV)	=	DC 3.8V
	Low Voltage (LV)	=	DC 3.4V
	High Voltage (HV)	=	DC 4.2V

Note: The High Voltage DC 4.2V and Low Voltage DC 3.4V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage. The High temperature and Low temperature was declared by manufacturer.

## 2.4 TEST MODE

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS36.521-1 V11.4.0 specification. The EUT supports power Class 3. Power control set to All bits up. A summary of these settings are illustrated below:

Test Mode	Band Width	Modulation Mode	Test Channel
LTE FDD Band I mode	5MHz	QPSK/ 16QAM	Ch 18025
			Ch 18300
			Ch 18575
	10MHz	QPSK/ 16QAM	Ch 18050
			Ch 18300
			Ch 18550
	20MHz	QPSK/ 16QAM	Ch 18100
			Ch 18300
			Ch 18500
LTE FDD Band III mode	1.4MHz	QPSK/ 16QAM	Ch 19207
			Ch 19575
			Ch 19943
	5MHz	QPSK/ 16QAM	Ch 19225
			Ch 19575
			Ch 19925
	10MHz	QPSK/ 16QAM	Ch 19250
			Ch 19575
			Ch 19900
	20MHz	QPSK/ 16QAM	Ch 19300
			Ch 19575
			Ch 19825
LTE FDD Band VII mode	5MHz	QPSK/ 16QAM	Ch 20775
			Ch 21100
			Ch 21425
	10MHz	QPSK/ 16QAM	Ch 20800
			Ch 21100
			Ch 21400
	20MHz	QPSK/ 16QAM	Ch 20850
			Ch 21100
			Ch 21350
LTE FDD Band VIII mode	1.4MHz	QPSK/ 16QAM	Ch 21457
			Ch 21625
			Ch 21793
	5MHz	QPSK/ 16QAM	Ch 21475
			Ch 21625
			Ch 21775
	10MHz	QPSK/ 16QAM	Ch 21500
			Ch 21625
			Ch 21750

LTE FDD Band XX mode	5MHz	QPSK/ 16QAM	Ch 24175
			Ch 24300
			Ch 24425
	10MHz	QPSK/ 16QAM	Ch 24200
			Ch 24300
			Ch 24400
	20MHz	QPSK/ 16QAM	Ch 24250
			Ch 24300
			Ch 24350

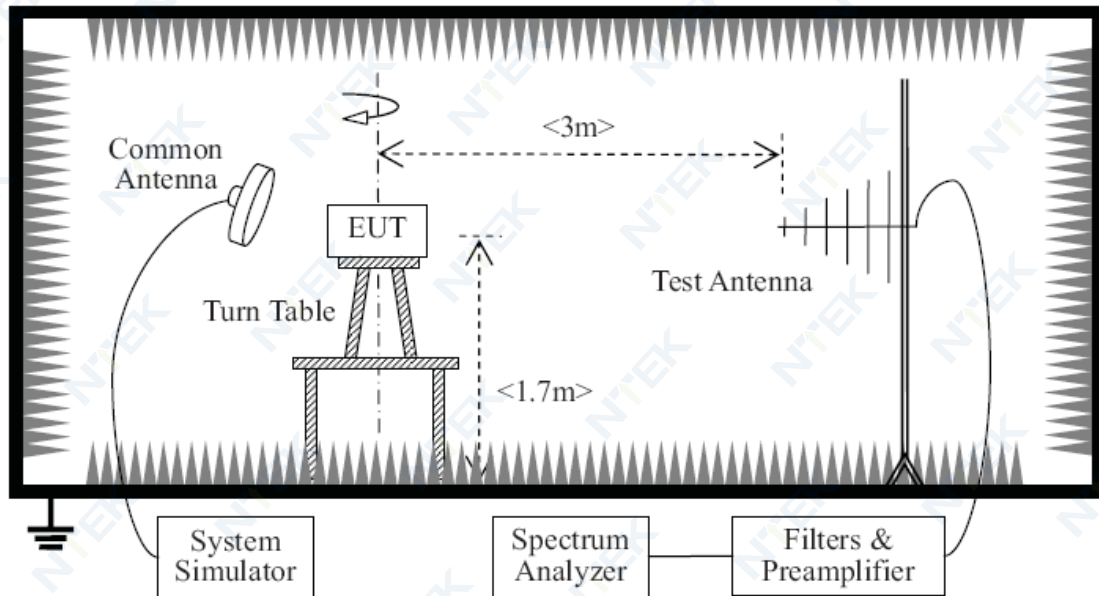
Table 2

Test standard	test items	FDD Band I	FDD Band III	FDD Band VII	FDD Band VIII
		test Band Width			
ETSI EN 301908-1 4.2.2	Radiated emission (UE)	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz, 10 MHz
ETSI EN 301908-13 4.2.2	Transmitter Maximum Output Power	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz, 10 MHz
ETSI EN 301908-13 4.2.3	Transmitter Spectrum Emission Mask	5MHz,10MHz, 20 MHz	1.4MHz, 5MHz,10MHz, 20 MHz	5MHz,10MHz, ,20 MHz	1.4MHz,5MHz, 10 MHz
ETSI EN 301908-13 4.2.4	Transmitter Spurious Emissions	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz,10 MHz
ETSI EN 301908-13 4.2.5	Transmitter Minimum Output Power	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz,5MHz, 0 MHz
ETSI EN 301908-13 4.2.6	Receiver Adjacent Channel Selectivity (ACS)	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz,10 MHz
ETSI EN 301908-13 4.2.7	Receiver Blocking Characteristics	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz,10 MHz
ETSI EN 301908-13 4.2.8	Receiver Spurious Response	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz,10 MHz
ETSI EN 301908-13 4.2.9	Receiver Intermodulation Characteristics	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz, 5MHz,10 MHz
ETSI EN 301908-13 4.2.10	Receiver Spurious Emissions	20 MHz	20 MHz	20 MHz	10 MHz
ETSI EN 301908-13 4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	5MHz,10MHz, ,20 MHz	1.4MHz, 5MHz,10MHz, 20 MHz	5MHz,10MHz, ,20 MHz	1.4MHz,5MHz, 10 MHz
ETSI EN 301908-13 4.2.12	Receiver Reference Sensitivity Level	5MHz,20 MHz	1.4MHz, 5MHz, 20 MHz	5MHz,20 MHz	1.4MHz,10 MHz

Test standard	test items	FDD Band XX
		test Band Width
ETSI EN 301908-1 4.2.2	Radiated emission (UE)	5MHz,20 MHz
ETSI EN 301908-13 4.2.2	Transmitter Maximum Output Power	5MHz,20 MHz
ETSI EN 301908-13 4.2.3	Transmitter Spectrum Emission Mask	5MHz,10MHz, ,20 MHz
ETSI EN 301908-13 4.2.4	Transmitter Spurious Emissions	5MHz,20 MHz
ETSI EN 301908-13 4.2.5	Transmitter Minimum Output Power	5MHz,20 MHz
ETSI EN 301908-13 4.2.6	Receiver Adjacent Channel Selectivity (ACS)	5MHz,20 MHz
ETSI EN 301908-13 4.2.7	Receiver Blocking Characteristics	5MHz,20 MHz
ETSI EN 301908-13 4.2.8	Receiver Spurious Response	5MHz,20 MHz
ETSI EN 301908-13 4.2.9	Receiver Intermodulation Characteristics	5MHz,20 MHz
ETSI EN 301908-13 4.2.10	Receiver Spurious Emissions	20 MHz
ETSI EN 301908-13 4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	5MHz,10MHz, ,20 MHz
ETSI EN 301908-13 4.2.12	Receiver Reference Sensitivity Level	5MHz,20 MHz

## 2.5 TEST SETUP

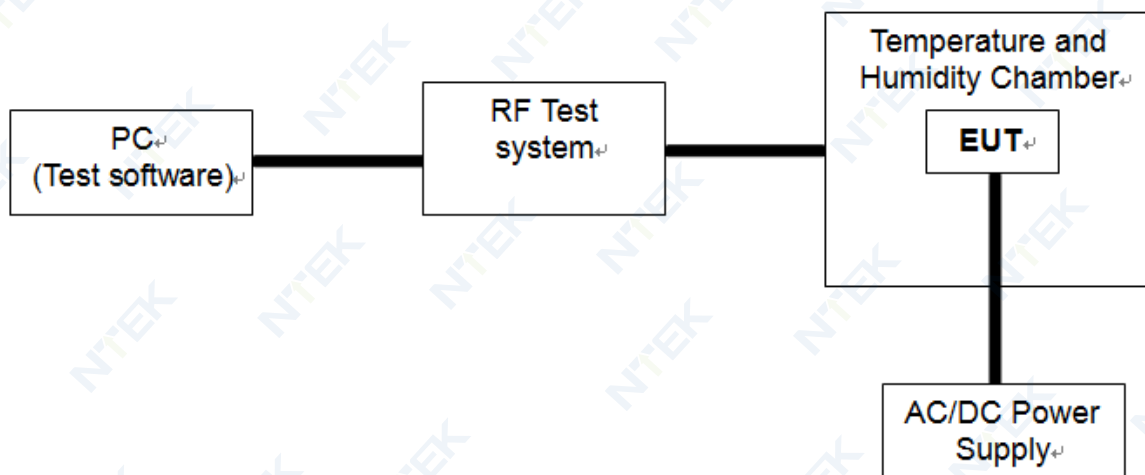
### 1. Radiated Spurious Emission Test Setup



The EUT, which is powered by the Battery charged with the AC Adapter, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. LTE FDD band Power Control Level = 3), and only the test result of the maximum output power was recorded.

### 2. Conducted Test



### 3. SUMMARY OF THE REPORT

#### 3.1 TERMS IN THE COLUMN “VERDICT” FOR THE TEST RESULTS LIST OF THIS SECTION:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
Decl.	“Declaration”: NTEK has received documents from the applicant and/or manufacturer which show conformity to the applied standards for this test case.
N/A	Test case not applicable for the EUT, please see the column “Note” for detailed

**Table 1** EN Requirements Table (Ref. ETSI EN 301 908-1 Annex D)

Testcase in ETSI EN 301908-1	Description	Condition	Test Band	Sample	Result	Test Data
4.2.2	Radiated emission (UE)	NTC	FDD Band I	A01	PASS	Ref. ETSI EN 301 908-1 Annex D)
			FDD Band III			
			FDD Band VII			
			FDD Band VIII			
			FDD Band XX			

**Table 2** EN Requirements Table

The test data please refer to the APPENDIX A &amp; APPENDIX B &amp; APPENDIX C

Testcase in ETSI EN 301908-13	Testcase in 3GPP TS 36.521	Description	Condition	Test Band	Sample	Result	Test Data
4.2.2	6.2.2	Transmitter Maximum Output Power	NT / NV	FDD Band I	A01	PASS	Appendix A - LTE - Normal
			LT / LV	FDD Band III	A01	PASS	Appendix B - LTE - Extreme
			LT / HV	FDD Band VII	A01	PASS	Appendix B - LTE - Extreme
			HT / LV	FDD Band VIII	A01	PASS	Appendix B - LTE - Extreme
			HT / HV	FDD Band XX	A01	PASS	Appendix B - LTE - Extreme
4.2.5	6.3.2	Transmitter Minimum Output Power	NT / NV	FDD Band I	A01	PASS	Appendix A - LTE - Normal
			LT / LV	FDD Band III	A01	PASS	Appendix B - LTE - Extreme
			LT / HV	FDD Band VII	A01	PASS	Appendix B - LTE - Extreme
			HT / LV	FDD Band VIII	A01	PASS	Appendix B - LTE - Extreme
			HT / HV	FDD Band XX	A01	PASS	Appendix B - LTE - Extreme
4.2.3	6.6.2.1	Transmitter Spectrum Emission Mask	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.4	6.6.3.1	Transmitter Spurious Emissions	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.6	7.5	Receiver Adjacent Channel Selectivity (ACS)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal

Testcase in ETSI EN 301908-13	Testcase in 3GPP TS 36.521	Description	Condition	Test Band			Test Data
					Sample	Result	
4.2.11	6.6.2.3	Transmitter Adjacent Channel Leakage Power Ratio	NT / NV	FDD Band I	A01	PASS	Appendix A - LTE - Normal
			LT / LV	FDD Band III	A01	PASS	Appendix B - LTE - Extreme
			LT / HV	FDD Band VII	A01	PASS	Appendix B - LTE - Extreme
			HT / LV	FDD Band VIII	A01	PASS	Appendix B - LTE - Extreme
			HT / HV	FDD Band XX	A01	PASS	Appendix B - LTE - Extreme
4.2.7	7.6.1	Receiver Blocking Characteristics (In band)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.7	7.6.2	Receiver Blocking Characteristics (Out band)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix C - LTE - Blocking
4.2.7	7.6.3	Receiver Blocking Characteristics (Narrow band)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix C - LTE - Blocking
4.2.8	7.7	Receiver Spurious Response	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	N/A	N/A <sub>(Note 1)</sub>
4.2.9	7.8	Receiver Intermodulation Characteristics	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.10	7.9	Receiver Spurious Emissions	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal

4.2.12	7.3	Receiver Reference Sensitivity Level	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
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Note 1: Receiver Spurious Response is just for the out-of-band blocking limit is not met.

## **APPENDIX D——TEST DATA FOR SPURIOUS EMISSIONS**

**D.1. RADIATED SPURIOUS EMISSIONS.**

Band 1 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
32.80	-65.72	3.91	-61.81	-36	-25.81	PASS
164.29	-63.72	6.95	-56.77	-36	-20.77	PASS
565.66	-62.95	9.27	-53.68	-36	-17.68	PASS
661.81	-75.19	9.75	-65.44	-36	-29.44	PASS
Remark:						
1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1479.84	-63.9	18.05	-45.85	-30	-15.85	PASS
2919.38	-51.69	15.75	-35.94	-30	-5.94	PASS
3072.78	-61.49	13.06	-48.43	-30	-18.43	PASS
9177.53	-53.62	12.52	-41.10	-30	-11.10	PASS
Remark:						
1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
63.27	-64.33	3.91	-60.42	-36	-24.42	PASS
184.08	-67.26	6.95	-60.31	-36	-24.31	PASS
265.66	-63.41	9.27	-54.14	-36	-18.14	PASS
736.69	-63.46	9.75	-53.71	-36	-17.71	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1674.17	-57.15	18.05	-39.10	-30	-9.10	PASS
2276.99	-59.05	15.75	-43.30	-30	-13.30	PASS
3391.10	-59.7	13.06	-46.64	-30	-16.64	PASS
8064.00	-66.58	12.52	-54.06	-30	-24.06	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
54.77	-72.19	3.91	-68.28	-36	-32.28	PASS
165.56	-62.42	6.95	-55.47	-36	-19.47	PASS
478.08	-72.04	9.27	-62.77	-36	-26.77	PASS
652.59	-66.06	9.75	-56.31	-36	-20.31	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1630.23	-68.97	18.05	-50.92	-30	-20.92	PASS
2203.63	-52.32	15.75	-36.57	-30	-6.57	PASS
3736.78	-56.13	13.06	-43.07	-30	-13.07	PASS
11921.84	-69.97	12.52	-57.45	-30	-27.45	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
50.21	-63.3	3.91	-59.39	-36	-23.39	PASS
180.23	-63.32	6.95	-56.37	-36	-20.37	PASS
590.51	-71.58	9.27	-62.31	-36	-26.31	PASS
874.09	-70.5	9.75	-60.75	-36	-24.75	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1411.26	-57.18	18.05	-39.13	-30	-9.13	PASS
2639.58	-66.79	15.75	-51.04	-30	-21.04	PASS
3366.50	-64.53	13.06	-51.47	-30	-21.47	PASS
8625.07	-61.59	12.52	-49.07	-30	-19.07	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
41.76	-59.15	3.91	-55.24	-36	-19.24	PASS
131.44	-75.19	6.95	-68.24	-36	-32.24	PASS
485.75	-66.6	9.27	-57.33	-36	-21.33	PASS
881.39	-63.35	9.75	-53.60	-36	-17.60	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1019.33	-59.71	18.05	-41.66	-30	-11.66	PASS
2781.02	-62.08	15.75	-46.33	-30	-16.33	PASS
3281.20	-59.51	13.06	-46.45	-30	-16.45	PASS
10037.47	-60.27	12.52	-47.75	-30	-17.75	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.45	-77.53	3.91	-73.62	-36	-37.62	PASS
172.04	-76.71	6.95	-69.76	-36	-33.76	PASS
295.78	-71.1	9.27	-61.83	-36	-25.83	PASS
741.83	-66.94	9.75	-57.19	-36	-21.19	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1339.89	-66.04	18.05	-47.99	-30	-17.99	PASS
2583.29	-63.92	15.75	-48.17	-30	-18.17	PASS
3742.38	-61.95	13.06	-48.89	-30	-18.89	PASS
5359.82	-66.17	12.52	-53.65	-30	-23.65	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
44.44	-73.19	3.91	-69.28	-36	-33.28	PASS
98.32	-66.71	6.95	-59.76	-36	-23.76	PASS
362.58	-67.34	9.27	-58.07	-36	-22.07	PASS
681.30	-69.43	9.75	-59.68	-36	-23.68	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1145.51	-56.51	18.05	-38.46	-30	-8.46	PASS
2879.50	-57.79	15.75	-42.04	-30	-12.04	PASS
3126.23	-51.91	13.06	-38.85	-30	-8.85	PASS
10587.18	-53.93	12.52	-41.41	-30	-11.41	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
74.15	-69.92	3.91	-66.01	-36	-30.01	PASS
158.57	-72.41	6.95	-65.46	-36	-29.46	PASS
365.52	-78.36	9.27	-69.09	-36	-33.09	PASS
736.14	-79.82	9.75	-70.07	-36	-34.07	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1644.58	-51.65	18.05	-33.60	-30	-3.60	PASS
2592.02	-62.99	15.75	-47.24	-30	-17.24	PASS
3333.80	-51.93	13.06	-38.87	-30	-8.87	PASS
9682.65	-68.88	12.52	-56.36	-30	-26.36	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
44.26	-65.56	2.35	-63.21	-36	-27.21	PASS
148.68	-61.54	1.38	-60.16	-36	-24.16	PASS
211.28	-68.87	5.45	-63.42	-36	-27.42	PASS
890.46	-54.00	1.45	-52.55	-36	-16.55	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1071.28	-65.90	14.81	-51.09	-30	-21.09	PASS
2984.06	-59.66	15.91	-43.75	-30	-13.75	PASS
3275.45	-68.41	14.93	-53.48	-30	-23.48	PASS
8238.58	-66.88	16.55	-50.33	-30	-20.33	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.25	-64.50	5.93	-58.57	-36	-22.57	PASS
179.69	-64.85	9.25	-55.60	-36	-19.60	PASS
241.71	-59.47	4.35	-55.12	-36	-19.12	PASS
795.33	-61.55	8.47	-53.08	-36	-17.08	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1039.32	-64.79	18.25	-46.54	-30	-16.54	PASS
2913.56	-52.06	18.87	-33.19	-30	-3.19	PASS
3948.54	-57.43	13.86	-43.57	-30	-13.57	PASS
10044.15	-53.23	10.24	-42.99	-30	-12.99	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
87.61	-55.91	6.38	-49.53	-36	-13.53	PASS
117.48	-55.89	8.65	-47.24	-36	-11.24	PASS
312.80	-60.73	1.51	-59.22	-36	-23.22	PASS
739.73	-54.62	9.03	-45.59	-36	-9.59	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1247.35	-68.58	11.72	-56.86	-30	-26.86	PASS
2680.95	-66.53	15.95	-50.58	-30	-20.58	PASS
3072.79	-59.58	12.25	-47.33	-30	-17.33	PASS
9698.91	-64.72	15.98	-48.74	-30	-18.74	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
85.89	-64.27	1.69	-62.58	-36	-26.58	PASS
140.70	-51.95	3.80	-48.15	-36	-12.15	PASS
503.44	-53.57	3.93	-49.64	-36	-13.64	PASS
899.47	-60.69	8.89	-51.80	-36	-15.80	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 1 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1596.49	-55.63	15.40	-40.23	-30	-10.23	PASS
2925.63	-63.14	14.23	-48.91	-30	-18.91	PASS
3336.20	-57.22	18.65	-38.57	-30	-8.57	PASS
4002.03	-53.43	16.16	-37.27	-30	-7.27	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
30.55	-76.29	3.91	-72.38	-36	-36.38	PASS
140.89	-68.99	6.95	-62.04	-36	-26.04	PASS
244.61	-75.04	9.27	-65.77	-36	-29.77	PASS
610.52	-74.42	9.75	-64.67	-36	-28.67	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1710.05	-57.95	18.05	-39.90	-30	-9.90	PASS
2653.53	-56.03	15.75	-40.28	-30	-10.28	PASS
3199.18	-60.9	13.06	-47.84	-30	-17.84	PASS
5844.24	-53.15	12.52	-40.63	-30	-10.63	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
58.27	-61.96	3.91	-58.05	-36	-22.05	PASS
161.78	-76.86	6.95	-69.91	-36	-33.91	PASS
588.58	-75.54	9.27	-66.27	-36	-30.27	PASS
676.54	-79.13	9.75	-69.38	-36	-33.38	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1318.49	-62.72	18.05	-44.67	-30	-14.67	PASS
2756.20	-59.78	15.75	-44.03	-30	-14.03	PASS
3054.91	-50.64	13.06	-37.58	-30	-7.58	PASS
6558.33	-55.16	12.52	-42.64	-30	-12.64	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

## Band 3 CH M 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
39.56	-74.01	3.91	-70.10	-36	-34.10	PASS
186.70	-63.97	6.95	-57.02	-36	-21.02	PASS
462.65	-69.93	9.27	-60.66	-36	-24.66	PASS
751.69	-77.20	9.75	-67.45	-36	-31.45	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

## Band 3 CH M 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1934.51	-63.78	18.05	-45.73	-30	-15.73	PASS
2885.21	-54.74	15.75	-38.99	-30	-8.99	PASS
3739.60	-69.86	13.06	-56.80	-30	-26.80	PASS
9384.53	-54.51	12.52	-41.99	-30	-11.99	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.17	-60.66	3.91	-56.75	-36	-20.75	PASS
127.45	-75.49	6.95	-68.54	-36	-32.54	PASS
448.87	-72.79	9.27	-63.52	-36	-27.52	PASS
641.79	-75.82	9.75	-66.07	-36	-30.07	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1366.54	-54.78	18.05	-36.73	-30	-6.73	PASS
2306.86	-54.29	15.75	-38.54	-30	-8.54	PASS
3174.50	-64.72	13.06	-51.66	-30	-21.66	PASS
11505.18	-57.84	12.52	-45.32	-30	-15.32	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
38.08	-77.87	3.91	-73.96	-36	-37.96	PASS
129.48	-74.52	6.95	-67.57	-36	-31.57	PASS
293.00	-66.44	9.27	-57.17	-36	-21.17	PASS
698.46	-69.49	9.75	-59.74	-36	-23.74	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1184.26	-69.84	18.05	-51.79	-30	-21.79	PASS
2668.45	-59.41	15.75	-43.66	-30	-13.66	PASS
3923.01	-57.17	13.06	-44.11	-30	-14.11	PASS
9007.00	-55.11	12.52	-42.59	-30	-12.59	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
72.66	-74.60	3.91	-70.69	-36	-34.69	PASS
90.46	-67.79	6.95	-60.84	-36	-24.84	PASS
570.17	-75.11	9.27	-65.84	-36	-29.84	PASS
814.75	-64.51	9.75	-54.76	-36	-18.76	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1251.37	-67.62	18.05	-49.57	-30	-19.57	PASS
2849.00	-52.41	15.75	-36.66	-30	-6.66	PASS
3864.08	-64.15	13.06	-51.09	-30	-21.09	PASS
5077.88	-63.75	12.52	-51.23	-30	-21.23	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
48.01	-64.93	3.91	-61.02	-36	-25.02	PASS
103.18	-62.49	6.95	-55.54	-36	-19.54	PASS
333.07	-68.35	9.27	-59.08	-36	-23.08	PASS
806.99	-63.04	9.75	-53.29	-36	-17.29	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1652.40	-68.74	18.05	-50.69	-30	-20.69	PASS
2143.01	-64.7	15.75	-48.95	-30	-18.95	PASS
3240.01	-51.82	13.06	-38.76	-30	-8.76	PASS
6042.00	-49.28	12.52	-36.76	-30	-6.76	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
66.67	-70.70	3.91	-66.79	-36	-30.79	PASS
178.50	-76.70	6.95	-69.75	-36	-33.75	PASS
372.20	-59.85	9.27	-50.58	-36	-14.58	PASS
604.53	-67.33	9.75	-57.58	-36	-21.58	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1244.98	-55.06	18.05	-37.01	-30	-7.01	PASS
2459.18	-60.35	15.75	-44.60	-30	-14.60	PASS
3474.55	-56.23	13.06	-43.17	-30	-13.17	PASS
8612.83	-51.41	12.52	-38.89	-30	-8.89	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
32.82	-68.72	3.91	-64.81	-36	-28.81	PASS
93.27	-62.50	6.95	-55.55	-36	-19.55	PASS
439.08	-71.20	9.27	-61.93	-36	-25.93	PASS
843.83	-60.40	9.75	-50.65	-36	-14.65	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1115.69	-55.03	18.05	-36.98	-30	-6.98	PASS
2173.17	-53.97	15.75	-38.22	-30	-8.22	PASS
3305.95	-51.55	13.06	-38.49	-30	-8.49	PASS
8717.97	-53.61	12.52	-41.09	-30	-11.09	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
75.10	-76.04	3.91	-72.13	-36	-36.13	PASS
168.02	-68.84	6.95	-61.89	-36	-25.89	PASS
446.58	-72.81	9.27	-63.54	-36	-27.54	PASS
604.10	-71.97	9.75	-62.22	-36	-26.22	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1164.07	-63.53	18.05	-45.48	-30	-15.48	PASS
2732.48	-66.85	15.75	-51.10	-30	-21.10	PASS
3609.30	-49.53	13.06	-36.47	-30	-6.47	PASS
8898.90	-56.41	12.52	-43.89	-30	-13.89	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.57	-67.10	3.91	-63.19	-36	-27.19	PASS
192.85	-71.48	6.95	-64.53	-36	-28.53	PASS
436.35	-59.75	9.27	-50.48	-36	-14.48	PASS
854.87	-72.64	9.75	-62.89	-36	-26.89	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1645.02	-66.07	18.05	-48.02	-30	-18.02	PASS
2788.14	-52.46	15.75	-36.71	-30	-6.71	PASS
3150.31	-69.11	13.06	-56.05	-30	-26.05	PASS
8889.94	-63.24	12.52	-50.72	-30	-20.72	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
89.31	-69.70	3.91	-65.79	-36	-29.79	PASS
107.97	-68.10	6.95	-61.15	-36	-25.15	PASS
450.05	-62.45	9.27	-53.18	-36	-17.18	PASS
846.03	-61.34	9.75	-51.59	-36	-15.59	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1646.83	-52.35	18.05	-34.30	-30	-4.30	PASS
2729.21	-60.53	15.75	-44.78	-30	-14.78	PASS
3193.86	-61.35	13.06	-48.29	-30	-18.29	PASS
6510.55	-58.59	12.52	-46.07	-30	-16.07	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Note: This report records the worst test results, test results only QPSK Mode worst

### Band 3 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
30.48	-68.11	3.91	-64.20	-36	-28.20	PASS
196.69	-71.35	6.95	-64.40	-36	-28.40	PASS
367.78	-62.22	9.27	-52.95	-36	-16.95	PASS
865.18	-62.71	9.75	-52.96	-36	-16.96	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1004.09	-62.79	18.05	-44.74	-30	-14.74	PASS
2064.29	-60.19	15.75	-44.44	-30	-14.44	PASS
3892.92	-54.57	13.06	-41.51	-30	-11.51	PASS
6889.18	-55.58	12.52	-43.06	-30	-13.06	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
46.16	-72.70	3.91	-68.79	-36	-32.79	PASS
148.57	-65.81	6.95	-58.86	-36	-22.86	PASS
482.83	-64.39	9.27	-55.12	-36	-19.12	PASS
657.54	-78.13	9.75	-68.38	-36	-32.38	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1898.25	-68.7	18.05	-50.65	-30	-20.65	PASS
2868.10	-57.93	15.75	-42.18	-30	-12.18	PASS
3104.51	-49.77	13.06	-36.71	-30	-6.71	PASS
9095.54	-63.93	12.52	-51.41	-30	-21.41	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
56.80	-78.98	3.91	-75.07	-36	-39.07	PASS
177.80	-68.51	6.95	-61.56	-36	-25.56	PASS
505.10	-68.35	9.27	-59.08	-36	-23.08	PASS
737.47	-75.58	9.75	-65.83	-36	-29.83	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1589.43	-49.14	18.05	-31.09	-30	-1.09	PASS
2808.75	-66.18	15.75	-50.43	-30	-20.43	PASS
3041.79	-61.64	13.06	-48.58	-30	-18.58	PASS
9277.44	-50.4	12.52	-37.88	-30	-7.88	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
60.39	-67.55	3.91	-63.64	-36	-27.64	PASS
199.33	-62.44	6.95	-55.49	-36	-19.49	PASS
560.82	-69.03	9.27	-59.76	-36	-23.76	PASS
778.88	-77.04	9.75	-67.29	-36	-31.29	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1195.31	-56.16	18.05	-38.11	-30	-8.11	PASS
2588.67	-55.03	15.75	-39.28	-30	-9.28	PASS
3188.63	-54.59	13.06	-41.53	-30	-11.53	PASS
9621.54	-61.78	12.52	-49.26	-30	-19.26	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
46.52	-78.48	3.91	-74.57	-36	-38.57	PASS
155.68	-72.77	6.95	-65.82	-36	-29.82	PASS
585.44	-76.26	9.27	-66.99	-36	-30.99	PASS
662.29	-66.39	9.75	-56.64	-36	-20.64	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 3 CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1767.48	-67.37	18.05	-49.32	-30	-19.32	PASS
2475.40	-55.35	15.75	-39.60	-30	-9.60	PASS
3360.13	-60.57	13.06	-47.51	-30	-17.51	PASS
8377.41	-61.74	12.52	-49.22	-30	-19.22	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 3 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
61.25	-69.66	3.91	-65.75	-36	-29.75	PASS
174.04	-62.90	6.95	-55.95	-36	-19.95	PASS
200.87	-71.70	9.27	-62.43	-36	-26.43	PASS
658.87	-63.14	9.75	-53.39	-36	-17.39	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

Band 3 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1039.46	-66.25	18.05	-48.20	-30	-18.20	PASS
2041.36	-50.05	15.75	-34.30	-30	-4.30	PASS
3045.28	-53.65	13.06	-40.59	-30	-10.59	PASS
5261.19	-62.65	12.52	-50.13	-30	-20.13	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 7 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
81.21	-59.45	3.91	-55.54	-36	-19.54	PASS
168.36	-59.50	6.95	-52.55	-36	-16.55	PASS
306.53	-55.55	9.27	-46.28	-36	-10.28	PASS
722.22	-55.11	9.75	-45.36	-36	-9.36	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 7 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1322.91	-57.14	18.05	-39.09	-30	-9.09	PASS
2495.99	-49.40	15.75	-33.65	-30	-3.65	PASS
3859.91	-53.91	13.06	-40.85	-30	-10.85	PASS
4472.08	-51.12	12.52	-38.60	-30	-8.60	PASS
Remark: 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 7 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
70.98	-54.23	3.91	-50.32	-36	-14.32	PASS
176.15	-53.09	6.95	-46.14	-36	-10.14	PASS
453.70	-54.64	9.27	-45.37	-36	-9.37	PASS
887.82	-54.96	9.75	-45.21	-36	-9.21	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1585.10	-59.74	18.05	-41.69	-30	-11.69	PASS
2489.94	-52.70	15.75	-36.95	-30	-6.95	PASS
3174.52	-57.89	13.06	-44.83	-30	-14.83	PASS
5731.43	-52.93	12.52	-40.41	-30	-10.41	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
74.12	-51.95	3.91	-48.04	-36	-12.04	PASS
190.57	-58.19	6.95	-51.24	-36	-15.24	PASS
385.12	-50.11	9.27	-40.84	-36	-4.84	PASS
687.37	-59.57	9.75	-49.82	-36	-13.82	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1288.45	-58.67	18.05	-40.62	-30	-10.62	PASS
2394.97	-58.55	15.75	-42.80	-30	-12.80	PASS
3372.31	-57.15	13.06	-44.09	-30	-14.09	PASS
4957.07	-53.45	12.52	-40.93	-30	-10.93	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
57.13	-51.65	3.91	-47.74	-36	-11.74	PASS
143.95	-49.94	6.95	-42.99	-36	-6.99	PASS
279.86	-51.87	9.27	-42.60	-36	-6.60	PASS
672.24	-57.05	9.75	-47.30	-36	-11.30	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1404.25	-59.05	18.05	-41.00	-30	-11.00	PASS
2024.99	-49.14	15.75	-33.39	-30	-3.39	PASS
3981.49	-57.21	13.06	-44.15	-30	-14.15	PASS
7377.16	-54.43	12.52	-41.91	-30	-11.91	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
50.62	-59.74	3.91	-55.83	-36	-19.83	PASS
179.24	-51.55	6.95	-44.60	-36	-8.60	PASS
290.97	-59.39	9.27	-50.12	-36	-14.12	PASS
807.91	-56.24	9.75	-46.49	-36	-10.49	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1753.66	-52.75	18.05	-34.70	-30	-4.70	PASS
2635.04	-52.94	15.75	-37.19	-30	-7.19	PASS
3511.61	-59.57	13.06	-46.51	-30	-16.51	PASS
8712.49	-54.66	12.52	-42.14	-30	-12.14	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
55.57	-51.91	3.91	-48.00	-36	-12.00	PASS
196.86	-58.41	6.95	-51.46	-36	-15.46	PASS
526.24	-55.56	9.27	-46.29	-36	-10.29	PASS
758.18	-56.14	9.75	-46.39	-36	-10.39	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1465.91	-55.42	18.05	-37.37	-30	-7.37	PASS
2019.20	-57.86	15.75	-42.11	-30	-12.11	PASS
3956.26	-57.52	13.06	-44.46	-30	-14.46	PASS
5049.74	-58.37	12.52	-45.85	-30	-15.85	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
31.58	-71.54	3.91	-67.63	-36	-31.63	PASS
193.42	-68.56	6.95	-61.61	-36	-25.61	PASS
306.77	-72.53	9.27	-63.26	-36	-27.26	PASS
765.77	-74.73	9.75	-64.98	-36	-28.98	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1673.20	-64.15	18.05	-46.10	-30	-16.10	PASS
2295.25	-63.58	15.75	-47.83	-30	-17.83	PASS
3833.00	-69.8	13.06	-56.74	-30	-26.74	PASS
10877.68	-67.89	12.52	-55.37	-30	-25.37	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
82.13	-75.25	3.91	-71.34	-36	-35.34	PASS
164.19	-77.10	6.95	-70.15	-36	-34.15	PASS
514.39	-65.78	9.27	-56.51	-36	-20.51	PASS
603.64	-67.24	9.75	-57.49	-36	-21.49	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 7 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1682.31	-51.51	18.05	-33.46	-30	-3.46	PASS
2656.55	-63.72	15.75	-47.97	-30	-17.97	PASS
3734.50	-60.47	13.06	-47.41	-30	-17.41	PASS
9014.32	-62.27	12.52	-49.75	-30	-19.75	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 7 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
30.57	-59.43	3.91	-55.52	-36	-19.52	PASS
110.48	-75.11	6.95	-68.16	-36	-32.16	PASS
521.14	-62.56	9.27	-53.29	-36	-17.29	PASS
740.23	-73.63	9.75	-63.88	-36	-27.88	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1079.37	-60.43	18.05	-42.38	-30	-12.38	PASS
2241.28	-56.22	15.75	-40.47	-30	-10.47	PASS
3603.80	-57.98	13.06	-44.92	-30	-14.92	PASS
11362.38	-69.34	12.52	-56.82	-30	-26.82	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
38.43	-67.79	3.91	-63.88	-36	-27.88	PASS
175.69	-70.48	6.95	-63.53	-36	-27.53	PASS
279.33	-64.05	9.27	-54.78	-36	-18.78	PASS
821.26	-78.66	9.75	-68.91	-36	-32.91	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1082.18	-49.1	18.05	-31.05	-30	-1.05	PASS
2016.08	-54.43	15.75	-38.68	-30	-8.68	PASS
3015.34	-55.44	13.06	-42.38	-30	-12.38	PASS
6663.01	-50.73	12.52	-38.21	-30	-8.21	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
69.52	-79.07	3.91	-75.16	-36	-39.16	PASS
102.32	-70.95	6.95	-64.00	-36	-28.00	PASS
538.10	-59.08	9.27	-49.81	-36	-13.81	PASS
754.29	-65.36	9.75	-55.61	-36	-19.61	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1294.64	-57.57	18.05	-39.52	-30	-9.52	PASS
2180.10	-68.22	15.75	-52.47	-30	-22.47	PASS
3247.03	-55.16	13.06	-42.10	-30	-12.10	PASS
6458.17	-61.51	12.52	-48.99	-30	-18.99	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
61.59	-70.71	3.91	-66.80	-36	-30.80	PASS
93.84	-70.81	6.95	-63.86	-36	-27.86	PASS
315.89	-77.66	9.27	-68.39	-36	-32.39	PASS
777.89	-67.54	9.75	-57.79	-36	-21.79	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 7 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1284.13	-63.64	18.05	-45.59	-30	-15.59	PASS
2794.41	-65.33	15.75	-49.58	-30	-19.58	PASS
3983.97	-64.38	13.06	-51.32	-30	-21.32	PASS
10361.65	-49.57	12.52	-37.05	-30	-7.05	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
31.79	-77.64	3.91	-73.73	-36	-37.73	PASS
196.25	-64.98	6.95	-58.03	-36	-22.03	PASS
396.40	-76.73	9.27	-67.46	-36	-31.46	PASS
848.16	-77.29	9.75	-67.54	-36	-31.54	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1867.96	-52.89	18.05	-34.84	-30	-4.84	PASS
2141.41	-56.79	15.75	-41.04	-30	-11.04	PASS
3373.38	-61.76	13.06	-48.70	-30	-18.70	PASS
8753.83	-58.32	12.52	-45.80	-30	-15.80	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
80.13	-59.88	3.91	-55.97	-36	-19.97	PASS
91.49	-71.92	6.95	-64.97	-36	-28.97	PASS
600.36	-62.65	9.27	-53.38	-36	-17.38	PASS
891.94	-77.50	9.75	-67.75	-36	-31.75	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1327.22	-61.46	18.05	-43.41	-30	-13.41	PASS
2197.72	-50.59	15.75	-34.84	-30	-4.84	PASS
3695.02	-58.33	13.06	-45.27	-30	-15.27	PASS
7032.33	-54.29	12.52	-41.77	-30	-11.77	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
60.04	-72.05	3.91	-68.14	-36	-32.14	PASS
129.21	-67.87	6.95	-60.92	-36	-24.92	PASS
529.28	-73.23	9.27	-63.96	-36	-27.96	PASS
610.35	-76.89	9.75	-67.14	-36	-31.14	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1758.17	-62.74	18.05	-44.69	-30	-14.69	PASS
2667.28	-62.88	15.75	-47.13	-30	-17.13	PASS
3864.20	-58.09	13.06	-45.03	-30	-15.03	PASS
6909.95	-51.92	12.52	-39.40	-30	-9.40	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
58.34	-75.37	3.91	-71.46	-36	-35.46	PASS
101.92	-76.02	6.95	-69.07	-36	-33.07	PASS
334.71	-69.97	9.27	-60.70	-36	-24.70	PASS
703.04	-68.81	9.75	-59.06	-36	-23.06	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1397.92	-57.35	18.05	-39.30	-30	-9.30	PASS
2875.23	-58.05	15.75	-42.30	-30	-12.30	PASS
3310.98	-60.97	13.06	-47.91	-30	-17.91	PASS
9139.52	-53.13	12.52	-40.61	-30	-10.61	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
38.71	-64.41	3.91	-60.50	-36	-24.50	PASS
101.17	-68.39	6.95	-61.44	-36	-25.44	PASS
311.33	-62.53	9.27	-53.26	-36	-17.26	PASS
692.59	-79.16	9.75	-69.41	-36	-33.41	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1416.75	-66.45	18.05	-48.40	-30	-18.40	PASS
2893.54	-50.87	15.75	-35.12	-30	-5.12	PASS
3420.32	-68.69	13.06	-55.63	-30	-25.63	PASS
7998.64	-61.29	12.52	-48.77	-30	-18.77	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
55.97	-60.94	3.91	-57.03	-36	-21.03	PASS
197.78	-68.05	6.95	-61.10	-36	-25.10	PASS
269.74	-60.71	9.27	-51.44	-36	-15.44	PASS
846.56	-64.21	9.75	-54.46	-36	-18.46	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1591.29	-64.75	18.05	-46.70	-30	-16.70	PASS
2914.02	-57.9	15.75	-42.15	-30	-12.15	PASS
3472.32	-67.11	13.06	-54.05	-30	-24.05	PASS
8003.20	-68.66	12.52	-56.14	-30	-26.14	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 10M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
42.86	-60.59	3.91	-56.68	-36	-20.68	PASS
187.14	-62.36	6.95	-55.41	-36	-19.41	PASS
213.24	-61.10	9.27	-51.83	-36	-15.83	PASS
794.23	-63.25	9.75	-53.50	-36	-17.50	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 10M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1492.61	-59.21	18.05	-41.16	-30	-11.16	PASS
2862.20	-55.11	15.75	-39.36	-30	-9.36	PASS
3531.88	-55.61	13.06	-42.55	-30	-12.55	PASS
10957.26	-50.29	12.52	-37.77	-30	-7.77	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 10M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
81.17	-77.07	3.91	-73.16	-36	-37.16	PASS
189.09	-63.18	6.95	-56.23	-36	-20.23	PASS
269.22	-66.56	9.27	-57.29	-36	-21.29	PASS
810.48	-79.03	9.75	-69.28	-36	-33.28	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 10M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1603.84	-58.1	18.05	-40.05	-30	-10.05	PASS
2297.58	-49.52	15.75	-33.77	-30	-3.77	PASS
3729.42	-56.82	13.06	-43.76	-30	-13.76	PASS
4836.07	-51.05	12.52	-38.53	-30	-8.53	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 10M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
82.69	-76.76	3.91	-72.85	-36	-36.85	PASS
183.21	-67.26	6.95	-60.31	-36	-24.31	PASS
286.99	-61.30	9.27	-52.03	-36	-16.03	PASS
655.61	-70.31	9.75	-60.56	-36	-24.56	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 10M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1021.13	-57.17	18.05	-39.12	-30	-9.12	PASS
2147.57	-56.19	15.75	-40.44	-30	-10.44	PASS
3202.37	-68.32	13.06	-55.26	-30	-25.26	PASS
11335.13	-60.28	12.52	-47.76	-30	-17.76	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 10M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
68.08	-75.96	3.91	-72.05	-36	-36.05	PASS
176.74	-72.77	6.95	-65.82	-36	-29.82	PASS
490.61	-74.37	9.27	-65.10	-36	-29.10	PASS
869.09	-64.87	9.75	-55.12	-36	-19.12	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH M 10M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1885.57	-69.74	18.05	-51.69	-30	-21.69	PASS
2015.30	-64.4	15.75	-48.65	-30	-18.65	PASS
3604.17	-53.63	13.06	-40.57	-30	-10.57	PASS
5904.64	-50.78	12.52	-38.26	-30	-8.26	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 10M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
90.67	-66.94	3.91	-63.03	-36	-27.03	PASS
111.40	-64.83	6.95	-57.88	-36	-21.88	PASS
569.90	-64.62	9.27	-55.35	-36	-19.35	PASS
882.32	-65.17	9.75	-55.42	-36	-19.42	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 10M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1122.03	-52.13	18.05	-34.08	-30	-4.08	PASS
2757.96	-59.01	15.75	-43.26	-30	-13.26	PASS
3181.13	-58.32	13.06	-45.26	-30	-15.26	PASS
5439.11	-53.49	12.52	-40.97	-30	-10.97	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 10M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
55.18	-77.12	3.91	-73.21	-36	-37.21	PASS
113.96	-60.90	6.95	-53.95	-36	-17.95	PASS
577.24	-69.84	9.27	-60.57	-36	-24.57	PASS
740.79	-64.96	9.75	-55.21	-36	-19.21	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH H 10M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1857.60	-56.15	18.05	-38.10	-30	-8.10	PASS
2835.91	-58.04	15.75	-42.29	-30	-12.29	PASS
3016.59	-67.62	13.06	-54.56	-30	-24.56	PASS
10647.45	-64.13	12.52	-51.61	-30	-21.61	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
87.80	-66.77	3.91	-62.86	-36	-26.86	PASS
180.51	-65.20	6.95	-58.25	-36	-22.25	PASS
398.37	-62.68	9.27	-53.41	-36	-17.41	PASS
895.39	-72.62	9.75	-62.87	-36	-26.87	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1230.73	-52.86	18.05	-34.81	-30	-4.81	PASS
2597.37	-66.07	15.75	-50.32	-30	-20.32	PASS
3403.81	-58.39	13.06	-45.33	-30	-15.33	PASS
4980.03	-49.68	12.52	-37.16	-30	-7.16	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
48.78	-78.50	3.91	-74.59	-36	-38.59	PASS
119.51	-64.61	6.95	-57.66	-36	-21.66	PASS
599.51	-60.49	9.27	-51.22	-36	-15.22	PASS
604.68	-70.04	9.75	-60.29	-36	-24.29	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1294.93	-49.11	18.05	-31.06	-30	-1.06	PASS
2825.56	-51.2	15.75	-35.45	-30	-5.45	PASS
3387.24	-55.89	13.06	-42.83	-30	-12.83	PASS
5355.46	-61.86	12.52	-49.34	-30	-19.34	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

## Band 20 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
35.57	-71.16	3.91	-67.25	-36	-31.25	PASS
143.79	-79.02	6.95	-72.07	-36	-36.07	PASS
430.65	-61.86	9.27	-52.59	-36	-16.59	PASS
755.72	-75.46	9.75	-65.71	-36	-29.71	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 20 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1871.74	-60.36	18.05	-42.31	-30	-12.31	PASS
2348.04	-63.52	15.75	-47.77	-30	-17.77	PASS
3399.61	-56.64	13.06	-43.58	-30	-13.58	PASS
6128.52	-61.59	12.52	-49.07	-30	-19.07	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
64.70	-68.74	3.91	-64.83	-36	-28.83	PASS
133.15	-79.03	6.95	-72.08	-36	-36.08	PASS
392.53	-64.88	9.27	-55.61	-36	-19.61	PASS
884.79	-63.30	9.75	-53.55	-36	-17.55	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1012.83	-64.13	18.05	-46.08	-30	-16.08	PASS
2902.58	-64.03	15.75	-48.28	-30	-18.28	PASS
3704.01	-65.19	13.06	-52.13	-30	-22.13	PASS
10125.67	-54	12.52	-41.48	-30	-11.48	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
59.09	-71.33	3.91	-67.42	-36	-31.42	PASS
151.24	-60.93	6.95	-53.98	-36	-17.98	PASS
337.36	-72.19	9.27	-62.92	-36	-26.92	PASS
780.29	-72.80	9.75	-63.05	-36	-27.05	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1230.56	-54.32	18.05	-36.27	-30	-6.27	PASS
2628.00	-54.63	15.75	-38.88	-30	-8.88	PASS
3681.63	-53.59	13.06	-40.53	-30	-10.53	PASS
9441.05	-59.71	12.52	-47.19	-30	-17.19	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
52.43	-67.68	3.91	-63.77	-36	-27.77	PASS
166.60	-72.52	6.95	-65.57	-36	-29.57	PASS
435.28	-72.55	9.27	-63.28	-36	-27.28	PASS
655.63	-74.02	9.75	-64.27	-36	-28.27	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1360.86	-66	18.05	-47.95	-30	-17.95	PASS
2676.52	-53.38	15.75	-37.63	-30	-7.63	PASS
3904.64	-59.43	13.06	-46.37	-30	-16.37	PASS
5082.12	-56.4	12.52	-43.88	-30	-13.88	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
81.48	-71.80	3.91	-67.89	-36	-31.89	PASS
164.53	-77.47	6.95	-70.52	-36	-34.52	PASS
563.05	-73.92	9.27	-64.65	-36	-28.65	PASS
859.90	-75.99	9.75	-66.24	-36	-30.24	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1275.99	-69.83	18.05	-51.78	-30	-21.78	PASS
2194.32	-66.41	15.75	-50.66	-30	-20.66	PASS
3413.44	-63.91	13.06	-50.85	-30	-20.85	PASS
8772.86	-50.63	12.52	-38.11	-30	-8.11	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.93	-71.85	3.91	-67.94	-36	-31.94	PASS
153.70	-79.53	6.95	-72.58	-36	-36.58	PASS
511.34	-76.23	9.27	-66.96	-36	-30.96	PASS
604.07	-76.23	9.75	-66.48	-36	-30.48	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1867.88	-68.93	18.05	-50.88	-30	-20.88	PASS
2015.73	-69.26	15.75	-53.51	-30	-23.51	PASS
3364.69	-51.12	13.06	-38.06	-30	-8.06	PASS
6089.19	-61.77	12.52	-49.25	-30	-19.25	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
70.27	-73.53	3.91	-69.62	-36	-33.62	PASS
160.16	-64.01	6.95	-57.06	-36	-21.06	PASS
486.82	-72.41	9.27	-63.14	-36	-27.14	PASS
819.27	-74.01	9.75	-64.26	-36	-28.26	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1426.15	-54.21	18.05	-36.16	-30	-6.16	PASS
2560.25	-55.4	15.75	-39.65	-30	-9.65	PASS
3935.46	-51.81	13.06	-38.75	-30	-8.75	PASS
8921.45	-68.25	12.52	-55.73	-30	-25.73	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
82.65	-77.68	3.91	-73.77	-36	-37.77	PASS
173.72	-67.74	6.95	-60.79	-36	-24.79	PASS
542.17	-74.69	9.27	-65.42	-36	-29.42	PASS
830.12	-71.79	9.75	-62.04	-36	-26.04	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

### Band 20 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1227.87	-56.57	18.05	-38.52	-30	-8.52	PASS
2713.24	-56.5	15.75	-40.75	-30	-10.75	PASS
3294.67	-65.93	13.06	-52.87	-30	-22.87	PASS
4771.18	-66.27	12.52	-53.75	-30	-23.75	PASS
<b>Remark:</b> 1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit						

## Band 20 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
88.46	-69.10	3.91	-65.19	-36	-29.19	PASS
153.65	-70.52	6.95	-63.57	-36	-27.57	PASS
582.82	-66.60	9.27	-57.33	-36	-21.33	PASS
745.22	-62.53	9.75	-52.78	-36	-16.78	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 20 CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1059.94	-62.32	18.05	-44.27	-30	-14.27	PASS
2319.87	-53.24	15.75	-37.49	-30	-7.49	PASS
3268.30	-55.59	13.06	-42.53	-30	-12.53	PASS
11963.74	-65.49	12.52	-52.97	-30	-22.97	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
58.83	-70.63	3.91	-66.72	-36	-30.72	PASS
103.48	-74.46	6.95	-67.51	-36	-31.51	PASS
260.21	-59.40	9.27	-50.13	-36	-14.13	PASS
815.00	-60.71	9.75	-50.96	-36	-14.96	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1439.46	-64.41	18.05	-46.36	-30	-16.36	PASS
2208.54	-63.21	15.75	-47.46	-30	-17.46	PASS
3444.58	-61.13	13.06	-48.07	-30	-18.07	PASS
10613.89	-53.74	12.52	-41.22	-30	-11.22	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

# Idle Mode

## Band 1 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
65.83	H	-73.29	8.07	-65.22	-57	-8.22	PASS
112.61	H	-82.36	7.62	-74.74	-57	-17.74	PASS
273.36	H	-72.89	5.62	-67.27	-57	-10.27	PASS
715.89	H	-79.05	8.80	-70.25	-57	-13.25	PASS
60.90	V	-88.92	2.77	-86.15	-57	-29.15	PASS
183.30	V	-70.70	7.04	-63.66	-57	-6.66	PASS
371.57	V	-70.98	5.42	-65.56	-57	-8.56	PASS
822.79	V	-80.14	4.44	-75.70	-57	-18.70	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 1 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1867.70	V	-78.19	8.92	-69.27	-47	-22.27	PASS
2091.15	V	-79.85	14.79	-65.06	-47	-18.06	PASS
3881.66	V	-77.76	11.97	-65.79	-47	-18.79	PASS
5982.16	V	-66.16	14.58	-51.58	-47	-4.58	PASS
1439.27	H	-74.58	11.13	-63.45	-47	-16.45	PASS
2017.57	H	-75.56	8.20	-67.36	-47	-20.36	PASS
3111.94	H	-71.67	11.93	-59.74	-47	-12.74	PASS
8598.24	H	-75.05	14.12	-60.93	-47	-13.93	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 1 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
36.65	H	-73.67	8.07	-65.60	-57	-8.60	PASS
128.05	H	-82.18	7.62	-74.56	-57	-17.56	PASS
563.02	H	-75.51	5.62	-69.89	-57	-12.89	PASS
718.99	H	-75.92	8.80	-67.12	-57	-10.12	PASS
83.11	V	-70.80	2.77	-68.03	-57	-11.03	PASS
113.66	V	-81.00	7.04	-73.96	-57	-16.96	PASS
467.62	V	-72.22	5.42	-66.80	-57	-9.80	PASS
712.09	V	-82.29	4.44	-77.85	-57	-20.85	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 1 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1841.15	V	-65.50	8.92	-56.58	-47	-9.58	PASS
2881.68	V	-75.80	14.79	-61.01	-47	-14.01	PASS
3467.46	V	-76.80	11.97	-64.83	-47	-17.83	PASS
6145.48	V	-65.82	14.58	-51.24	-47	-4.24	PASS
1990.42	H	-64.63	11.13	-53.50	-47	-6.50	PASS
2705.30	H	-67.50	8.20	-59.30	-47	-12.30	PASS
3980.39	H	-71.98	11.93	-60.05	-47	-13.05	PASS
5527.03	H	-66.23	14.12	-52.11	-47	-5.11	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 1 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
65.51	H	-83.10	8.07	-75.03	-57	-18.03	PASS
165.84	H	-75.59	7.62	-67.97	-57	-10.97	PASS
436.16	H	-81.08	5.62	-75.46	-57	-18.46	PASS
815.80	H	-80.67	8.80	-71.87	-57	-14.87	PASS
84.13	V	-69.34	2.77	-66.57	-57	-9.57	PASS
127.48	V	-77.69	7.04	-70.65	-57	-13.65	PASS
564.49	V	-73.04	5.42	-67.62	-57	-10.62	PASS
737.80	V	-82.86	4.44	-78.42	-57	-21.42	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 1 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1499.65	V	-69.67	8.92	-60.75	-47	-13.75	PASS
2603.91	V	-70.03	14.79	-55.24	-47	-8.24	PASS
3884.48	V	-71.12	11.97	-59.15	-47	-12.15	PASS
10088.05	V	-78.14	14.58	-63.56	-47	-16.56	PASS
1807.15	H	-74.66	11.13	-63.53	-47	-16.53	PASS
2342.02	H	-77.77	8.20	-69.57	-47	-22.57	PASS
3296.58	H	-71.03	11.93	-59.10	-47	-12.10	PASS
6766.78	H	-75.31	14.12	-61.19	-47	-14.19	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Note: The test band 1 for 5M and 20M have tested, the worst case is 20M, and the data have record.

Band 3 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
53.80	H	-83.25	8.07	-75.18	-57	-18.18	PASS
163.99	H	-73.03	7.62	-65.41	-57	-8.41	PASS
466.24	H	-85.53	5.62	-79.91	-57	-22.91	PASS
862.56	H	-76.60	8.80	-67.80	-57	-10.80	PASS
87.47	V	-75.95	2.77	-73.18	-57	-16.18	PASS
154.46	V	-76.93	7.04	-69.89	-57	-12.89	PASS
327.61	V	-78.23	5.42	-72.81	-57	-15.81	PASS
649.52	V	-78.94	4.44	-74.50	-57	-17.50	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 3 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1131.54	V	-77.92	8.92	-69.00	-47	-22.00	PASS
2591.85	V	-70.25	14.79	-55.46	-47	-8.46	PASS
3425.39	V	-64.75	11.97	-52.78	-47	-5.78	PASS
6458.97	V	-70.48	14.58	-55.90	-47	-8.90	PASS
1858.15	H	-77.98	11.13	-66.85	-47	-19.85	PASS
2899.24	H	-67.92	8.20	-59.72	-47	-12.72	PASS
3650.05	H	-65.53	11.93	-53.60	-47	-6.60	PASS
11419.85	H	-74.41	14.12	-60.29	-47	-13.29	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 3 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
43.13	H	-86.98	8.07	-78.91	-57	-21.91	PASS
156.14	H	-76.63	7.62	-69.01	-57	-12.01	PASS
448.68	H	-79.74	5.62	-74.12	-57	-17.12	PASS
784.80	H	-73.26	8.80	-64.46	-57	-7.46	PASS
39.19	V	-73.08	2.77	-70.31	-57	-13.31	PASS
116.20	V	-86.45	7.04	-79.41	-57	-22.41	PASS
353.59	V	-77.40	5.42	-71.98	-57	-14.98	PASS
768.78	V	-83.39	4.44	-78.95	-57	-21.95	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 3 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1455.03	V	-79.50	8.92	-70.58	-47	-23.58	PASS
2527.52	V	-73.60	14.79	-58.81	-47	-11.81	PASS
3278.36	V	-66.70	11.97	-54.73	-47	-7.73	PASS
5846.34	V	-66.04	14.58	-51.46	-47	-4.46	PASS
1039.45	H	-64.47	11.13	-53.34	-47	-6.34	PASS
2392.51	H	-74.52	8.20	-66.32	-47	-19.32	PASS
3963.03	H	-66.81	11.93	-54.88	-47	-7.88	PASS
6274.38	H	-71.26	14.12	-57.14	-47	-10.14	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 3 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
32.34	H	-74.19	8.07	-66.12	-57	-9.12	PASS
173.06	H	-85.16	7.62	-77.54	-57	-20.54	PASS
204.91	H	-74.04	5.62	-68.42	-57	-11.42	PASS
835.96	H	-88.81	8.80	-80.01	-57	-23.01	PASS
72.08	V	-87.41	2.77	-84.64	-57	-27.64	PASS
90.47	V	-76.73	7.04	-69.69	-57	-12.69	PASS
209.85	V	-70.32	5.42	-64.90	-57	-7.90	PASS
685.13	V	-75.29	4.44	-70.85	-57	-13.85	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 3 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1733.66	V	-67.07	8.92	-58.15	-47	-11.15	PASS
2837.95	V	-72.66	14.79	-57.87	-47	-10.87	PASS
3771.96	V	-78.37	11.97	-66.40	-47	-19.40	PASS
7625.60	V	-72.61	14.58	-58.03	-47	-11.03	PASS
1395.24	H	-67.27	11.13	-56.14	-47	-9.14	PASS
2380.27	H	-79.76	8.20	-71.56	-47	-24.56	PASS
3733.71	H	-71.13	11.93	-59.20	-47	-12.20	PASS
5658.05	H	-77.20	14.12	-63.08	-47	-16.08	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Note: The test band 3 for 1.4M, 5M and 20M have tested, the worst case is 20M, and the data have record.

Band 7 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
47.79	H	-70.30	8.07	-62.23	-57	-5.23	PASS
165.63	H	-75.69	7.62	-68.07	-57	-11.07	PASS
316.34	H	-73.82	5.62	-68.20	-57	-11.20	PASS
695.97	H	-73.71	8.80	-64.91	-57	-7.91	PASS
79.16	V	-72.00	2.77	-69.23	-57	-12.23	PASS
135.08	V	-71.95	7.04	-64.91	-57	-7.91	PASS
470.92	V	-79.52	5.42	-74.10	-57	-17.10	PASS
690.30	V	-77.07	4.44	-72.63	-57	-15.63	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 7 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1561.30	V	-69.01	8.92	-60.09	-47	-13.09	PASS
2727.34	V	-69.43	14.79	-54.64	-47	-7.64	PASS
3710.72	V	-69.14	11.97	-57.17	-47	-10.17	PASS
11341.03	V	-68.16	14.58	-53.58	-47	-6.58	PASS
1200.12	H	-66.91	11.13	-55.78	-47	-8.78	PASS
2419.51	H	-67.32	8.20	-59.12	-47	-12.12	PASS
3604.09	H	-68.04	11.93	-56.11	-47	-9.11	PASS
4669.18	H	-66.16	14.12	-52.04	-47	-5.04	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 7 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
72.75	H	-70.11	8.07	-62.04	-57	-5.04	PASS
142.11	H	-74.51	7.62	-66.89	-57	-9.89	PASS
230.00	H	-74.83	5.62	-69.21	-57	-12.21	PASS
667.02	H	-79.53	8.80	-70.73	-57	-13.73	PASS
50.54	V	-75.27	2.77	-72.50	-57	-15.50	PASS
171.50	V	-73.68	7.04	-66.64	-57	-9.64	PASS
332.96	V	-76.58	5.42	-71.16	-57	-14.16	PASS
704.13	V	-70.88	4.44	-66.44	-57	-9.44	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 7 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1129.77	V	-65.51	8.92	-56.59	-47	-9.59	PASS
2649.15	V	-68.66	14.79	-53.87	-47	-6.87	PASS
3241.87	V	-65.40	11.97	-53.43	-47	-6.43	PASS
8876.77	V	-68.05	14.58	-53.47	-47	-6.47	PASS
1583.32	H	-67.13	11.13	-56.00	-47	-9.00	PASS
2422.03	H	-67.13	8.20	-58.93	-47	-11.93	PASS
3798.93	H	-69.24	11.93	-57.31	-47	-10.31	PASS
8302.84	H	-69.25	14.12	-55.13	-47	-8.13	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 7 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
68.71	H	-69.46	8.07	-61.39	-57	-4.39	PASS
187.59	H	-76.67	7.62	-69.05	-57	-12.05	PASS
270.77	H	-75.06	5.62	-69.44	-57	-12.44	PASS
793.62	H	-79.55	8.80	-70.75	-57	-13.75	PASS
73.56	V	-73.58	2.77	-70.81	-57	-13.81	PASS
96.06	V	-74.94	7.04	-67.90	-57	-10.90	PASS
360.80	V	-70.75	5.42	-65.33	-57	-8.33	PASS
756.65	V	-77.01	4.44	-72.57	-57	-15.57	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 7 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1631.64	V	-68.03	8.92	-59.11	-47	-12.11	PASS
2769.06	V	-65.85	14.79	-51.06	-47	-4.06	PASS
3744.27	V	-64.95	11.97	-52.98	-47	-5.98	PASS
4307.16	V	-67.33	14.58	-52.75	-47	-5.75	PASS
1762.98	H	-66.48	11.13	-55.35	-47	-8.35	PASS
2500.54	H	-69.11	8.20	-60.91	-47	-13.91	PASS
3475.68	H	-67.14	11.93	-55.21	-47	-8.21	PASS
9966.03	H	-69.68	14.12	-55.56	-47	-8.56	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Note: The test band 7 for 5M and 20M have tested, the worst case is 20M, and the data have record.

### Band 8 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
30.71	H	-89.11	8.07	-81.04	-57	-24.04	PASS
125.59	H	-77.71	7.62	-70.09	-57	-13.09	PASS
353.75	H	-81.09	5.62	-75.47	-57	-18.47	PASS
617.91	H	-74.80	8.80	-66.00	-57	-9.00	PASS
51.30	V	-73.80	2.77	-71.03	-57	-14.03	PASS
182.65	V	-69.08	7.04	-62.04	-57	-5.04	PASS
262.07	V	-85.91	5.42	-80.49	-57	-23.49	PASS
813.00	V	-76.11	4.44	-71.67	-57	-14.67	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 8 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1255.53	V	-71.78	8.92	-62.86	-47	-15.86	PASS
2137.03	V	-72.61	14.79	-57.82	-47	-10.82	PASS
3968.59	V	-64.15	11.97	-52.18	-47	-5.18	PASS
10081.38	V	-73.54	14.58	-58.96	-47	-11.96	PASS
1812.01	H	-65.34	11.13	-54.21	-47	-7.21	PASS
2832.35	H	-67.25	8.20	-59.05	-47	-12.05	PASS
3771.93	H	-67.30	11.93	-55.37	-47	-8.37	PASS
9909.99	H	-76.42	14.12	-62.30	-47	-15.30	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 8 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
57.79	H	-72.30	8.07	-64.23	-57	-7.23	PASS
169.25	H	-74.06	7.62	-66.44	-57	-9.44	PASS
200.65	H	-85.05	5.62	-79.43	-57	-22.43	PASS
743.32	H	-76.71	8.80	-67.91	-57	-10.91	PASS
80.58	V	-85.07	2.77	-82.30	-57	-25.30	PASS
111.98	V	-76.53	7.04	-69.49	-57	-12.49	PASS
566.44	V	-81.53	5.42	-76.11	-57	-19.11	PASS
783.36	V	-87.22	4.44	-82.78	-57	-25.78	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 8 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1995.84	V	-76.25	8.92	-67.33	-47	-20.33	PASS
2512.80	V	-67.80	14.79	-53.01	-47	-6.01	PASS
3330.02	V	-68.90	11.97	-56.93	-47	-9.93	PASS
7576.51	V	-73.42	14.58	-58.84	-47	-11.84	PASS
1948.48	H	-75.82	11.13	-64.69	-47	-17.69	PASS
2683.12	H	-79.01	8.20	-70.81	-47	-23.81	PASS
3896.43	H	-73.94	11.93	-62.01	-47	-15.01	PASS
11664.63	H	-73.07	14.12	-58.95	-47	-11.95	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 8 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
80.83	H	-73.30	8.07	-65.23	-57	-8.23	PASS
168.75	H	-80.96	7.62	-73.34	-57	-16.34	PASS
456.46	H	-74.62	5.62	-69.00	-57	-12.00	PASS
720.50	H	-87.40	8.80	-78.60	-57	-21.60	PASS
70.49	V	-84.85	2.77	-82.08	-57	-25.08	PASS
165.47	V	-84.65	7.04	-77.61	-57	-20.61	PASS
597.73	V	-81.84	5.42	-76.42	-57	-19.42	PASS
705.38	V	-70.08	4.44	-65.64	-57	-8.64	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 8 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1820.12	V	-69.88	8.92	-60.96	-47	-13.96	PASS
2956.36	V	-66.30	14.79	-51.51	-47	-4.51	PASS
3020.08	V	-72.11	11.97	-60.14	-47	-13.14	PASS
9596.32	V	-72.03	14.58	-57.45	-47	-10.45	PASS
1482.47	H	-79.08	11.13	-67.95	-47	-20.95	PASS
2083.29	H	-79.57	8.20	-71.37	-47	-24.37	PASS
3846.05	H	-73.37	11.93	-61.44	-47	-14.44	PASS
7138.66	H	-69.69	14.12	-55.57	-47	-8.57	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Note: The test band 8 for 1.4M, 5M and 10M have tested, the worst case is 20M, and the data have record.

### Band 20 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
87.96	H	-73.84	8.07	-65.77	-57	-8.77	PASS
155.35	H	-74.45	7.62	-66.83	-57	-9.83	PASS
484.77	H	-75.70	5.62	-70.08	-57	-13.08	PASS
796.11	H	-80.04	8.80	-71.24	-57	-14.24	PASS
54.68	V	-74.88	2.77	-72.11	-57	-15.11	PASS
192.24	V	-80.32	7.04	-73.28	-57	-16.28	PASS
529.01	V	-73.73	5.42	-68.31	-57	-11.31	PASS
877.23	V	-83.70	4.44	-79.26	-57	-22.26	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

### Band 20 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1426.91	V	-79.66	8.92	-70.74	-47	-23.74	PASS
2814.30	V	-74.95	14.79	-60.16	-47	-13.16	PASS
3488.74	V	-64.82	11.97	-52.85	-47	-5.85	PASS
5818.00	V	-70.73	14.58	-56.15	-47	-9.15	PASS
1692.12	H	-75.06	11.13	-63.93	-47	-16.93	PASS
2321.70	H	-79.89	8.20	-71.69	-47	-24.69	PASS
3799.30	H	-73.85	11.93	-61.92	-47	-14.92	PASS
11831.32	H	-66.02	14.12	-51.90	-47	-4.90	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 20 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
71.78	H	-78.73	8.07	-70.66	-57	-13.66	PASS
200.93	H	-73.43	7.62	-65.81	-57	-8.81	PASS
413.29	H	-69.79	5.62	-64.17	-57	-7.17	PASS
755.68	H	-89.26	8.80	-80.46	-57	-23.46	PASS
81.06	V	-85.98	2.77	-83.21	-57	-26.21	PASS
103.84	V	-73.86	7.04	-66.82	-57	-9.82	PASS
215.26	V	-76.61	5.42	-71.19	-57	-14.19	PASS
774.74	V	-80.14	4.44	-75.70	-57	-18.70	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

## Band 20 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1434.64	V	-71.88	8.92	-62.96	-47	-15.96	PASS
2960.03	V	-74.72	14.79	-59.93	-47	-12.93	PASS
3532.92	V	-68.11	11.97	-56.14	-47	-9.14	PASS
4087.60	V	-75.22	14.58	-60.64	-47	-13.64	PASS
1352.80	H	-68.11	11.13	-56.98	-47	-9.98	PASS
2121.68	H	-76.96	8.20	-68.76	-47	-21.76	PASS
3646.78	H	-74.32	11.93	-62.39	-47	-15.39	PASS
6638.57	H	-77.71	14.12	-63.59	-47	-16.59	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 20 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
68.12	H	-80.12	8.07	-72.05	-57	-15.05	PASS
194.09	H	-72.10	7.62	-64.48	-57	-7.48	PASS
431.96	H	-84.26	5.62	-78.64	-57	-21.64	PASS
763.46	H	-89.70	8.80	-80.90	-57	-23.90	PASS
77.86	V	-73.26	2.77	-70.49	-57	-13.49	PASS
111.99	V	-80.68	7.04	-73.64	-57	-16.64	PASS
463.07	V	-83.40	5.42	-77.98	-57	-20.98	PASS
601.79	V	-80.96	4.44	-76.52	-57	-19.52	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Band 20 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1148.66	V	-71.03	8.92	-62.11	-47	-15.11	PASS
2299.60	V	-69.09	14.79	-54.30	-47	-7.30	PASS
3564.00	V	-65.31	11.97	-53.34	-47	-6.34	PASS
5543.61	V	-67.19	14.58	-52.61	-47	-5.61	PASS
1305.46	H	-66.07	11.13	-54.94	-47	-7.94	PASS
2193.86	H	-69.59	8.20	-61.39	-47	-14.39	PASS
3185.03	H	-65.13	11.93	-53.20	-47	-6.20	PASS
7950.51	H	-72.82	14.12	-58.70	-47	-11.70	PASS

Remark:

1. Emission Level= Meter Reading + Factor, Margin= Emission Level- Limit

Note: The test band 20 for 5M and 20M have tested, the worst case is 20M, and the data have record.

## D.2. CONTROL AND MONITORING FUNCTIONS (UE)

### Definition & Limits

This requirement, together with other control and monitoring technical requirements identified in the table of cross references in the applicable part, verifies that the control and monitoring functions of the UE prevent it from transmitting in the absence of a valid network.

This test is applicable to radio communications equipment and ancillary equipment in the operating band defined in the applicable part of this multi-part harmonised standard.

This test shall be performed on the radio communications equipment and/or a representative configuration of the ancillary equipment.

### Limits:

The maximum measured power during the duration of the test shall not exceed -30 dBm.

### Test method

a) At the start of the test, the UE shall be switched off. The UE antenna connector shall be connected to a power measuring equipment, with the following characteristics:

- the RF bandwidth shall exceed the total operating transmit frequency range of the UE for operation with an applicable part;
- the response time of the power measuring equipment shall be such that the measured power has reached within 1 dB of its steady state value within 100 µs of a CW signal being applied;
- it shall record the maximum power measured.

NOTE: The equipment may include a video low pass filter to minimize its response to transients or Gaussian noise peaks.

b) The UE shall be switched on for a period of approximately fifteen minutes, and then switched off.

c) The EUT shall remain switched off for a period of at least thirty seconds, and shall then be switched on for a period of approximately one minute.

d) The maximum power emitted from the UE throughout the duration of the test shall be recorded. The results obtained shall be compared to the limits in clause 4.2.4.2 in order to prove compliance.

### Test Data

Test Condition	Monitoring band	Max Measured Power(dBm)	Limit(dBm)	Result
Normal	The whole band range	-44.58	-30	Pass

### D.3. OUT-OF-SYNCHRONIZATION HANDLING OF OUTPUT POWER

#### Definition

The UE shall monitor the DPCCH quality in order to detect a loss of the signal on Layer 1.

The threshold  $Q_{out}$  specifies at what DPCCH quality levels the UE shall shut its power off.

The threshold is not defined explicitly, but is defined by the conditions under which the UE shall shut its transmitter off, as stated in this clause.

The DPCCH quality shall be monitored in the UE and compared to the threshold  $Q_{out}$  for the purpose of monitoring synchronization. The threshold  $Q_{out}$  should correspond to a level of DPCCH quality where no reliable detection of the TPC commands transmitted on the downlink DPCCH can be made. This can be at a TPC command error ratio level of e.g. 20 %.

#### Limits

When the UE estimates the DPCCH quality over the last 160 ms period to be worse than a threshold  $Q_{out}$ , the UE shall shut its transmitter off within 40 ms.

The quality level at the thresholds  $Q_{out}$  correspond to different signal levels depending on the downlink conditions DCH parameters. For the conditions in table 4.2.11.2-1, a signal with the quality at the level  $Q_{out}$  can be generated by a  $DPCCH_{Ec}/I_{or}$  ratio of -25 dB. The DL reference measurement channel 12,2 kbit/s is specified in ETSI TS 134 121-1 [1], clause C.3.1 and with static propagation conditions. The downlink physical channels, other than those specified in table 4.2.11.2-1, are as specified in table E.3.3 of annex E in ETSI TS 134 121-1 [1].

Parameter	Value	Unit
$\hat{I}_{or}/I_{oc}$	-1	dB
$I_{oc}$	-60	dBm/3,84 MHz
$\frac{DPDCH_{Ec}}{I_{or}}$	See figure 4.2.11.2-1: Before point A: <ul style="list-style-type: none"> <li>-16,6 for UEs not supporting enhanced receiver performance type 1 for DCH</li> <li>-19,6 for UEs supporting enhanced receiver performance type 1 for DCH</li> </ul> After point A not defined	dB
$\frac{DPCCH_{Ec}}{I_{or}}$	See figure 4.2.11.2-1	dB
Information Data Rate	12,2	kbit/s

Figure 4.2.11.2-1 and table 4.2.11.2-2 show an example scenario where the  $DPCCH_{Ec}/I_{or}$  ratio varies from a level where the DPCH is demodulated under normal conditions, down to a level below  $Q_{out}$  where the UE shall shut its power off.

#### Test Procedure

##### Initial conditions

Test environment: normal (see annex B).

The frequencies to be tested are mid range as defined in ETSI TS 134 108 [2], clause 5.1:

- 1) Connect the SS to the UE antenna connector.
- 2) A call is set up according to the Generic call setup procedure, with the following exception according to table 5.3.10.1.1-1 for information elements in System Information Block type 1 found in ETSI TS 134 108 [2].

**Table 5.3.10.1.1-1: System Information Block type 1 message**

Information Element	Value
UE Timers and constants in connected mode	
- T313	15 s
- N313	200

- 3) RF parameters are set up according to table 4.2.11.2-1 with DPCCH\_Ec/Ior ratio level according To table 4.2.11.2-2, 'before A'.
- 4) Enter the UE into loopback test mode and start the loopback test using the procedure defined in ETSI TS 134 109 [3], clause 5.3.

Test Data

Environmental Conditions

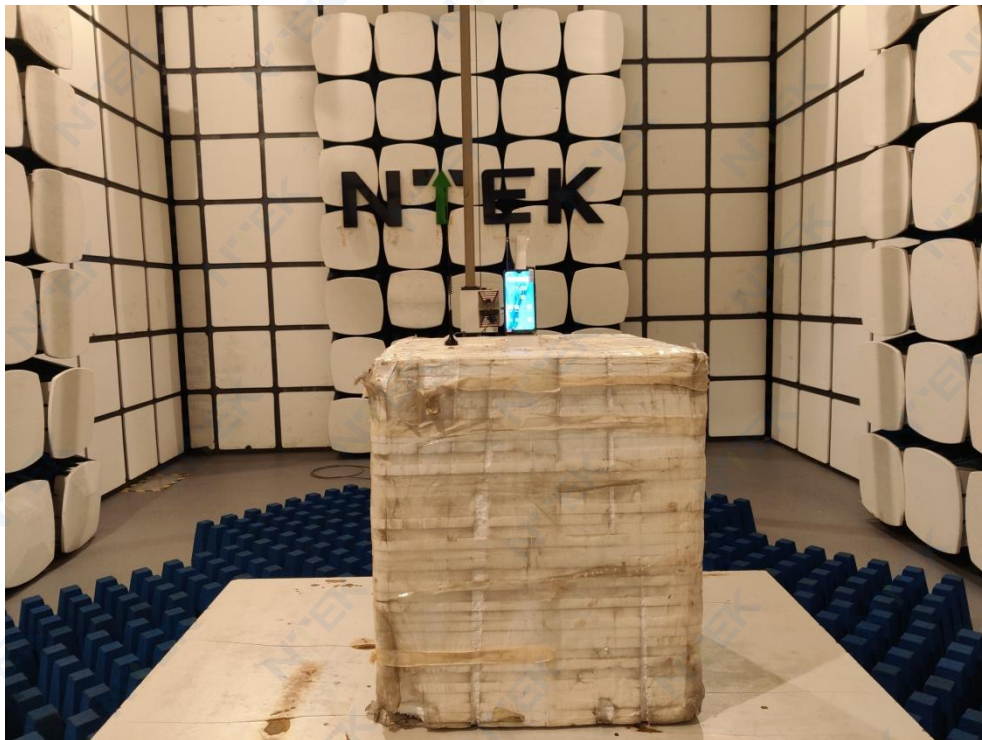
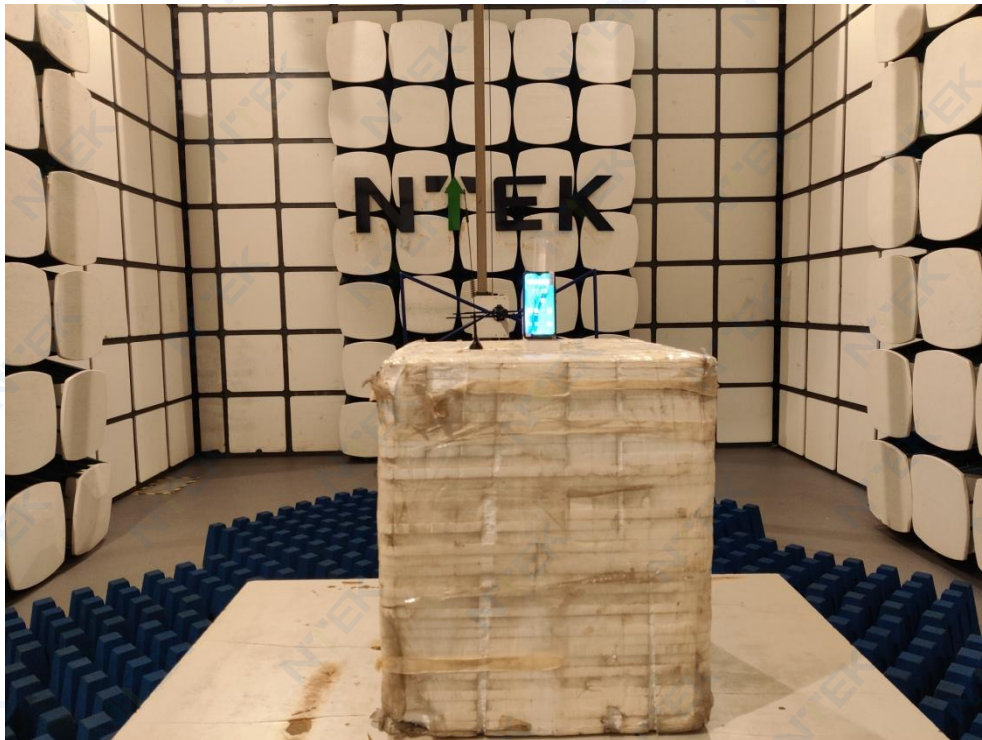
Temperature	18~22° C
Relative Humidity	45~66%
ATM Pressure	101.1~101.7kPa

Test Result: Pass.

## **CONDUCTED TEST DATA**

Refer to APPENDIX A& APPENDIX B& APPENDIX C for LTE Test data

## **PHOTOGRAPHS OF THE TEST SETUP**

**Radiated Spurious Emission Test****END OF REPORT**