



# **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 :** KINGKONG MINI 2 PRO

**Family Model :** N/A

**Report No. :** S22032803202008

### **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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**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  
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**Product description**

**Product name** ..... : Smartphone  
**Trademark** ..... : CUBOT  
**Model Name** ..... : KINGKONG MINI 2 PRO  
**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
S22032803202008	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	KINGKONG MINI 2 PRO
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: HJ-0501000B3-EU Input: 100-240V~50/60Hz, 0.15A Output: 5.0V---1.0A, 5.0W
Battery	DC 3.85V, 3000mAh
Rating	DC 3.85V from battery or DC 5V from Adapter.
Antenna:	PIFA Antenna
Antenna Gain:	Band 1: 1.72dBi; Band 3: 1.58dBi; Band 7: 1.41dBi Band 8: 1.23dBi; Band 20: 1.05dBi;
Hardware Version	LD936_MB_V1.0
Software Version	CUBOT_KINGKONG MINI 2 Pro_C021C_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 3.87V		
Extreme Temperature:	Low Temperature (LT)	=	-10°C
	High Temperature (HT)	=	35°C
Extreme Voltage of the EUT (Declared by manufacturer):	Normal Voltage (NV)	=	DC 3.85V
	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

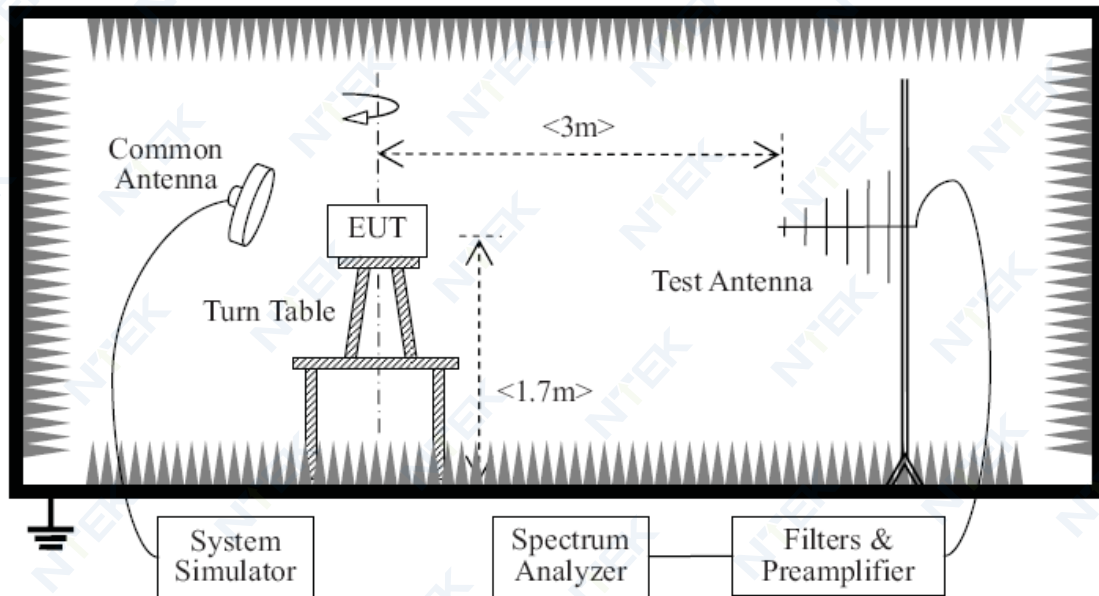
Table 2

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

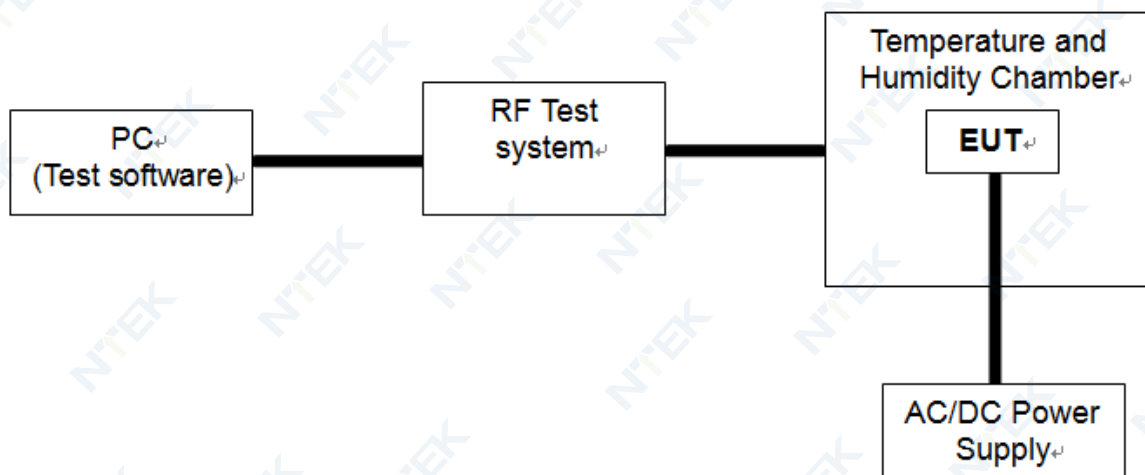
### 1. Radiated Spurious Emission Test Setup



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 <sup>(Note 1)</sup>
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)	
62.56	-72.2	3.91	-68.29	-36	-32.29	PASS
152.87	-66.19	6.95	-59.24	-36	-23.24	PASS
295.83	-66.09	9.27	-56.82	-36	-20.82	PASS
724.28	-63.21	9.75	-53.46	-36	-17.46	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)	
1575.72	-57.4	18.05	-39.35	-30	-9.35	PASS
2594.22	-69.58	15.75	-53.83	-30	-23.83	PASS
3199.66	-58	13.06	-44.94	-30	-14.94	PASS
6525.27	-66.07	12.52	-53.55	-30	-23.55	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)	
79.99	-62.19	3.91	-58.28	-36	-22.28	PASS
117.47	-74.12	6.95	-67.17	-36	-31.17	PASS
342.70	-66.69	9.27	-57.42	-36	-21.42	PASS
604.22	-75.2	9.75	-65.45	-36	-29.45	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)	
1259.08	-64.78	18.05	-46.73	-30	-16.73	PASS
2294.84	-69.74	15.75	-53.99	-30	-23.99	PASS
3586.30	-65.29	13.06	-52.23	-30	-22.23	PASS
11926.00	-67.78	12.52	-55.26	-30	-25.26	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)	
56.11	-77.68	3.91	-73.77	-36	-37.77	PASS
96.43	-72.18	6.95	-65.23	-36	-29.23	PASS
230.90	-67.98	9.27	-58.71	-36	-22.71	PASS
667.37	-69.26	9.75	-59.51	-36	-23.51	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)	
1082.08	-52.68	18.05	-34.63	-30	-4.63	PASS
2843.11	-50.47	15.75	-34.72	-30	-4.72	PASS
3314.18	-64.5	13.06	-51.44	-30	-21.44	PASS
5087.78	-55.36	12.52	-42.84	-30	-12.84	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)	
34.81	-71.64	3.91	-67.73	-36	-31.73	PASS
93.56	-69.17	6.95	-62.22	-36	-26.22	PASS
367.21	-64.46	9.27	-55.19	-36	-19.19	PASS
690.28	-67.22	9.75	-57.47	-36	-21.47	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)	
1733.00	-49.16	18.05	-31.11	-30	-1.11	PASS
2456.93	-69.03	15.75	-53.28	-30	-23.28	PASS
3927.63	-50.68	13.06	-37.62	-30	-7.62	PASS
9273.80	-54.68	12.52	-42.16	-30	-12.16	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)	
55.53	-64.48	3.91	-60.57	-36	-24.57	PASS
114.63	-61.3	6.95	-54.35	-36	-18.35	PASS
510.66	-72.94	9.27	-63.67	-36	-27.67	PASS
819.21	-67.48	9.75	-57.73	-36	-21.73	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)	
1445.15	-50	18.05	-31.95	-30	-1.95	PASS
2932.59	-49.52	15.75	-33.77	-30	-3.77	PASS
3040.01	-67.81	13.06	-54.75	-30	-24.75	PASS
4682.54	-50.09	12.52	-37.57	-30	-7.57	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)	
83.31	-76.03	3.91	-72.12	-36	-36.12	PASS
147.83	-78.28	6.95	-71.33	-36	-35.33	PASS
260.71	-75.05	9.27	-65.78	-36	-29.78	PASS
865.06	-79.29	9.75	-69.54	-36	-33.54	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)	
1863.61	-56.23	18.05	-38.18	-30	-8.18	PASS
2913.05	-62.18	15.75	-46.43	-30	-16.43	PASS
3795.62	-60.71	13.06	-47.65	-30	-17.65	PASS
7831.32	-67.85	12.52	-55.33	-30	-25.33	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)	
74.97	-62.08	3.91	-58.17	-36	-22.17	PASS
113.54	-65.77	6.95	-58.82	-36	-22.82	PASS
599.77	-61.88	9.27	-52.61	-36	-16.61	PASS
664.14	-63.8	9.75	-54.05	-36	-18.05	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)	
1033.13	-61.81	18.05	-43.76	-30	-13.76	PASS
2673.57	-63.9	15.75	-48.15	-30	-18.15	PASS
3448.83	-65.78	13.06	-52.72	-30	-22.72	PASS
4841.78	-54.73	12.52	-42.21	-30	-12.21	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)	
52.12	-65.3	3.91	-61.39	-36	-25.39	PASS
109.11	-69.84	6.95	-62.89	-36	-26.89	PASS
591.48	-67.95	9.27	-58.68	-36	-22.68	PASS
714.97	-70.1	9.75	-60.35	-36	-24.35	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)	
1000.32	-57.68	18.05	-39.63	-30	-9.63	PASS
2394.19	-61.2	15.75	-45.45	-30	-15.45	PASS
3544.90	-64.89	13.06	-51.83	-30	-21.83	PASS
6875.31	-49.77	12.52	-37.25	-30	-7.25	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)	
89.63	-61.93	2.35	-59.58	-36	-23.58	PASS
150.48	-58.74	1.38	-57.36	-36	-21.36	PASS
486.78	-52.47	5.45	-47.02	-36	-11.02	PASS
867.62	-64.21	1.45	-62.76	-36	-26.76	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)	
1373.61	-55.58	14.81	-40.77	-30	-10.77	PASS
2971.82	-53.48	15.91	-37.57	-30	-7.57	PASS
3136.78	-53.98	14.93	-39.05	-30	-9.05	PASS
11143.30	-53.89	16.55	-37.34	-30	-7.34	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)	
67.42	-62.47	5.93	-56.54	-36	-20.54	PASS
163.08	-52.39	9.25	-43.14	-36	-7.14	PASS
578.72	-63.06	4.35	-58.71	-36	-22.71	PASS
760.66	-67.80	8.47	-59.33	-36	-23.33	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)	
1147.65	-57.34	18.25	-39.09	-30	-9.09	PASS
2059.26	-52.54	18.87	-33.67	-30	-3.67	PASS
3920.56	-56.72	13.86	-42.86	-30	-12.86	PASS
11747.89	-62.68	10.24	-52.44	-30	-22.44	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)	
84.74	-53.74	6.38	-47.36	-36	-11.36	PASS
182.90	-66.88	8.65	-58.23	-36	-22.23	PASS
583.80	-49.49	1.51	-47.98	-36	-11.98	PASS
614.22	-49.94	9.03	-40.91	-36	-4.91	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)	
1523.04	-61.65	11.72	-49.93	-30	-19.93	PASS
2187.95	-51.57	15.95	-35.62	-30	-5.62	PASS
3619.72	-53.27	12.25	-41.02	-30	-11.02	PASS
5927.37	-65.88	15.98	-49.90	-30	-19.90	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)	
33.23	-51.99	1.69	-50.30	-36	-14.30	PASS
136.05	-63.86	3.80	-60.06	-36	-24.06	PASS
410.63	-55.69	3.93	-51.76	-36	-15.76	PASS
604.91	-54.54	8.89	-45.65	-36	-9.65	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)	
1555.15	-55.19	15.40	-39.79	-30	-9.79	PASS
2635.67	-51.97	14.23	-37.74	-30	-7.74	PASS
3072.47	-66.90	18.65	-48.25	-30	-18.25	PASS
11148.60	-60.45	16.16	-44.29	-30	-14.29	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)	
90.41	-77.67	3.91	-73.76	-36	-37.76	PASS
117.16	-65.27	6.95	-58.32	-36	-22.32	PASS
580.01	-73.59	9.27	-64.32	-36	-28.32	PASS
794.13	-68.55	9.75	-58.80	-36	-22.80	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)	
1236.01	-69.2	18.05	-51.15	-30	-21.15	PASS
2314.88	-58.24	15.75	-42.49	-30	-12.49	PASS
3391.66	-60.17	13.06	-47.11	-30	-17.11	PASS
8348.61	-61.08	12.52	-48.56	-30	-18.56	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)	
48.55	-60.96	3.91	-57.05	-36	-21.05	PASS
152.95	-67.12	6.95	-60.17	-36	-24.17	PASS
303.25	-78.70	9.27	-69.43	-36	-33.43	PASS
656.83	-72.77	9.75	-63.02	-36	-27.02	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)	
1779.06	-66.68	18.05	-48.63	-30	-18.63	PASS
2121.35	-67.25	15.75	-51.50	-30	-21.50	PASS
3170.32	-55.02	13.06	-41.96	-30	-11.96	PASS
7088.02	-52.78	12.52	-40.26	-30	-10.26	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)	
79.24	-74.57	3.91	-70.66	-36	-34.66	PASS
188.20	-74.83	6.95	-67.88	-36	-31.88	PASS
498.71	-70.75	9.27	-61.48	-36	-25.48	PASS
867.15	-74.05	9.75	-64.30	-36	-28.30	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)	
1975.21	-55.89	18.05	-37.84	-30	-7.84	PASS
2908.26	-56.28	15.75	-40.53	-30	-10.53	PASS
3812.07	-65.45	13.06	-52.39	-30	-22.39	PASS
6911.35	-63.94	12.52	-51.42	-30	-21.42	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)	
73.14	-65.59	3.91	-61.68	-36	-25.68	PASS
190.21	-69.35	6.95	-62.40	-36	-26.40	PASS
591.08	-61.44	9.27	-52.17	-36	-16.17	PASS
628.18	-69.76	9.75	-60.01	-36	-24.01	PASS

Remark:

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)	
1842.90	-49.65	18.05	-31.60	-30	-1.60	PASS
2492.67	-67.95	15.75	-52.20	-30	-22.20	PASS
3725.11	-59.04	13.06	-45.98	-30	-15.98	PASS
6535.96	-68.43	12.52	-55.91	-30	-25.91	PASS

Remark:

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)	
77.12	-61.58	3.91	-57.67	-36	-21.67	PASS
138.25	-65.63	6.95	-58.68	-36	-22.68	PASS
599.86	-76.38	9.27	-67.11	-36	-31.11	PASS
721.34	-77.21	9.75	-67.46	-36	-31.46	PASS

Remark:

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)	
1098.02	-51.67	18.05	-33.62	-30	-3.62	PASS
2415.09	-52.5	15.75	-36.75	-30	-6.75	PASS
3802.27	-69.75	13.06	-56.69	-30	-26.69	PASS
11753.42	-59.6	12.52	-47.08	-30	-17.08	PASS

Remark:

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)	
68.42	-73.05	3.91	-69.14	-36	-33.14	PASS
117.70	-68.27	6.95	-61.32	-36	-25.32	PASS
592.75	-68.30	9.27	-59.03	-36	-23.03	PASS
787.57	-69.96	9.75	-60.21	-36	-24.21	PASS

Remark:

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)	
1726.93	-60.25	18.05	-42.20	-30	-12.20	PASS
2538.52	-64.08	15.75	-48.33	-30	-18.33	PASS
3143.48	-62.55	13.06	-49.49	-30	-19.49	PASS
10468.83	-68.78	12.52	-56.26	-30	-26.26	PASS

Remark:

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)	
54.13	-73.32	3.91	-69.41	-36	-33.41	PASS
185.76	-60.38	6.95	-53.43	-36	-17.43	PASS
430.44	-69.13	9.27	-59.86	-36	-23.86	PASS
805.59	-64.71	9.75	-54.96	-36	-18.96	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)	
1565.08	-50.34	18.05	-32.29	-30	-2.29	PASS
2018.10	-55.76	15.75	-40.01	-30	-10.01	PASS
3225.15	-69.26	13.06	-56.20	-30	-26.20	PASS
10801.73	-53.97	12.52	-41.45	-30	-11.45	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)	
68.98	-69.64	3.91	-65.73	-36	-29.73	PASS
92.59	-65.91	6.95	-58.96	-36	-22.96	PASS
312.09	-75.31	9.27	-66.04	-36	-30.04	PASS
770.78	-76.17	9.75	-66.42	-36	-30.42	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)	
1222.11	-56.22	18.05	-38.17	-30	-8.17	PASS
2581.02	-68.05	15.75	-52.30	-30	-22.30	PASS
3846.08	-60.63	13.06	-47.57	-30	-17.57	PASS
11919.75	-52.21	12.52	-39.69	-30	-9.69	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)	
47.73	-68.91	3.91	-65.00	-36	-29.00	PASS
111.34	-71.43	6.95	-64.48	-36	-28.48	PASS
227.46	-64.38	9.27	-55.11	-36	-19.11	PASS
622.59	-59.85	9.75	-50.10	-36	-14.10	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)	
1483.16	-62.65	18.05	-44.60	-30	-14.60	PASS
2028.38	-56.19	15.75	-40.44	-30	-10.44	PASS
3841.69	-68.63	13.06	-55.57	-30	-25.57	PASS
8895.37	-57.23	12.52	-44.71	-30	-14.71	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)	
45.93	-72.22	3.91	-68.31	-36	-32.31	PASS
108.18	-77.60	6.95	-70.65	-36	-34.65	PASS
320.55	-60.04	9.27	-50.77	-36	-14.77	PASS
890.62	-63.47	9.75	-53.72	-36	-17.72	PASS
Remark: 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)	
1595.56	-63.18	18.05	-45.13	-30	-15.13	PASS
2554.30	-62.77	15.75	-47.02	-30	-17.02	PASS
3738.36	-68.04	13.06	-54.98	-30	-24.98	PASS
5541.80	-64.44	12.52	-51.92	-30	-21.92	PASS
Remark: 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)	
40.33	-75.39	3.91	-71.48	-36	-35.48	PASS
124.31	-74.58	6.95	-67.63	-36	-31.63	PASS
253.88	-60.31	9.27	-51.04	-36	-15.04	PASS
657.81	-77.83	9.75	-68.08	-36	-32.08	PASS

Remark:

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)	
1312.88	-54.36	18.05	-36.31	-30	-6.31	PASS
2743.10	-67.07	15.75	-51.32	-30	-21.32	PASS
3755.71	-66.97	13.06	-53.91	-30	-23.91	PASS
8769.93	-68.86	12.52	-56.34	-30	-26.34	PASS

Remark:

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)	
46.18	-76.18	3.91	-72.27	-36	-36.27	PASS
151.02	-75.91	6.95	-68.96	-36	-32.96	PASS
426.72	-65.94	9.27	-56.67	-36	-20.67	PASS
831.03	-65.39	9.75	-55.64	-36	-19.64	PASS

Remark:

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)	
1436.36	-58.76	18.05	-40.71	-30	-10.71	PASS
2738.13	-50.02	15.75	-34.27	-30	-4.27	PASS
3146.01	-54.36	13.06	-41.30	-30	-11.30	PASS
4003.15	-54.09	12.52	-41.57	-30	-11.57	PASS

Remark:

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)	
71.77	-79.73	3.91	-75.82	-36	-39.82	PASS
96.21	-77.39	6.95	-70.44	-36	-34.44	PASS
413.39	-59.13	9.27	-49.86	-36	-13.86	PASS
714.17	-74.96	9.75	-65.21	-36	-29.21	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)	
1987.84	-65.59	18.05	-47.54	-30	-17.54	PASS
2904.84	-52.53	15.75	-36.78	-30	-6.78	PASS
3431.15	-69.55	13.06	-56.49	-30	-26.49	PASS
5652.56	-58.56	12.52	-46.04	-30	-16.04	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)	
73.37	-78.22	3.91	-74.31	-36	-38.31	PASS
138.48	-65.89	6.95	-58.94	-36	-22.94	PASS
580.29	-78.75	9.27	-69.48	-36	-33.48	PASS
812.62	-67.46	9.75	-57.71	-36	-21.71	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)	
1304.05	-63.99	18.05	-45.94	-30	-15.94	PASS
2084.60	-51.17	15.75	-35.42	-30	-5.42	PASS
3996.13	-63.09	13.06	-50.03	-30	-20.03	PASS
11964.27	-51.18	12.52	-38.66	-30	-8.66	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)	
46.32	-76.44	3.91	-72.53	-36	-36.53	PASS
166.44	-73.55	6.95	-66.60	-36	-30.60	PASS
497.18	-77.17	9.27	-67.90	-36	-31.90	PASS
660.37	-66.11	9.75	-56.36	-36	-20.36	PASS

Remark:

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)	
1540.21	-62.97	18.05	-44.92	-30	-14.92	PASS
2487.70	-65.68	15.75	-49.93	-30	-19.93	PASS
3142.39	-50.41	13.06	-37.35	-30	-7.35	PASS
5365.10	-62.74	12.52	-50.22	-30	-20.22	PASS

Remark:

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)	
81.90	-63.97	3.91	-60.06	-36	-24.06	PASS
152.84	-65.70	6.95	-58.75	-36	-22.75	PASS
591.81	-66.65	9.27	-57.38	-36	-21.38	PASS
871.12	-63.35	9.75	-53.60	-36	-17.60	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)	
1436.32	-63.36	18.05	-45.31	-30	-15.31	PASS
2728.89	-62.02	15.75	-46.27	-30	-16.27	PASS
3525.98	-57.98	13.06	-44.92	-30	-14.92	PASS
4048.11	-66.5	12.52	-53.98	-30	-23.98	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)	
74.90	-66.83	3.91	-62.92	-36	-26.92	PASS
180.83	-76.57	6.95	-69.62	-36	-33.62	PASS
540.66	-66.06	9.27	-56.79	-36	-20.79	PASS
850.84	-61.40	9.75	-51.65	-36	-15.65	PASS

Remark:

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)	
1383.31	-65.35	18.05	-47.30	-30	-17.30	PASS
2657.03	-54.82	15.75	-39.07	-30	-9.07	PASS
3862.64	-68.18	13.06	-55.12	-30	-25.12	PASS
10369.24	-65	12.52	-52.48	-30	-22.48	PASS

Remark:

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)	
57.32	-66.80	3.91	-62.89	-36	-26.89	PASS
106.99	-69.92	6.95	-62.97	-36	-26.97	PASS
209.59	-79.54	9.27	-70.27	-36	-34.27	PASS
704.03	-70.24	9.75	-60.49	-36	-24.49	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)	
1534.21	-65.55	18.05	-47.50	-30	-17.50	PASS
2534.03	-59.31	15.75	-43.56	-30	-13.56	PASS
3476.58	-64.28	13.06	-51.22	-30	-21.22	PASS
4535.37	-61.16	12.52	-48.64	-30	-18.64	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)	
70.86	-55.99	3.91	-52.08	-36	-16.08	PASS
180.09	-49.59	6.95	-42.64	-36	-6.64	PASS
253.38	-53.34	9.27	-44.07	-36	-8.07	PASS
713.29	-52.03	9.75	-42.28	-36	-6.28	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)	
1931.79	-59.98	18.05	-41.93	-30	-11.93	PASS
2606.53	-49.30	15.75	-33.55	-30	-3.55	PASS
3625.74	-59.48	13.06	-46.42	-30	-16.42	PASS
10016.56	-54.40	12.52	-41.88	-30	-11.88	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)	
38.70	-55.05	3.91	-51.14	-36	-15.14	PASS
106.11	-55.22	6.95	-48.27	-36	-12.27	PASS
369.19	-52.79	9.27	-43.52	-36	-7.52	PASS
727.48	-58.41	9.75	-48.66	-36	-12.66	PASS
<b>Remark:</b> 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)	
1922.86	-50.46	18.05	-32.41	-30	-2.41	PASS
2938.75	-50.03	15.75	-34.28	-30	-4.28	PASS
3760.66	-51.79	13.06	-38.73	-30	-8.73	PASS
4369.86	-59.09	12.52	-46.57	-30	-16.57	PASS
<b>Remark:</b> 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)	
86.93	-52.72	3.91	-48.81	-36	-12.81	PASS
132.92	-53.33	6.95	-46.38	-36	-10.38	PASS
371.37	-53.32	9.27	-44.05	-36	-8.05	PASS
739.64	-54.87	9.75	-45.12	-36	-9.12	PASS
<b>Remark:</b> 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)	
1897.19	-57.01	18.05	-38.96	-30	-8.96	PASS
2303.96	-59.15	15.75	-43.40	-30	-13.40	PASS
3482.13	-49.56	13.06	-36.50	-30	-6.50	PASS
9394.86	-52.10	12.52	-39.58	-30	-9.58	PASS
<b>Remark:</b> 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)	
84.23	-54.93	3.91	-51.02	-36	-15.02	PASS
91.74	-57.33	6.95	-50.38	-36	-14.38	PASS
367.53	-57.53	9.27	-48.26	-36	-12.26	PASS
772.40	-57.87	9.75	-48.12	-36	-12.12	PASS
<b>Remark:</b> 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)	
1780.58	-51.69	18.05	-33.64	-30	-3.64	PASS
2477.61	-49.54	15.75	-33.79	-30	-3.79	PASS
3576.34	-56.58	13.06	-43.52	-30	-13.52	PASS
4530.64	-56.58	12.52	-44.06	-30	-14.06	PASS
<b>Remark:</b> 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)	
62.79	-50.82	3.91	-46.91	-36	-10.91	PASS
103.69	-56.75	6.95	-49.80	-36	-13.80	PASS
320.46	-55.73	9.27	-46.46	-36	-10.46	PASS
696.59	-57.39	9.75	-47.64	-36	-11.64	PASS
<b>Remark:</b> 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)	
1329.93	-59.29	18.05	-41.24	-30	-11.24	PASS
2613.80	-58.09	15.75	-42.34	-30	-12.34	PASS
3279.55	-52.65	13.06	-39.59	-30	-9.59	PASS
9972.36	-51.41	12.52	-38.89	-30	-8.89	PASS
<b>Remark:</b> 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)	
81.49	-54.78	3.91	-50.87	-36	-14.87	PASS
148.38	-52.14	6.95	-45.19	-36	-9.19	PASS
403.55	-59.77	9.27	-50.50	-36	-14.50	PASS
874.90	-55.03	9.75	-45.28	-36	-9.28	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)	
1881.59	-56.42	18.05	-38.37	-30	-8.37	PASS
2105.44	-49.85	15.75	-34.10	-30	-4.10	PASS
3379.76	-50.16	13.06	-37.10	-30	-7.10	PASS
5506.54	-54.09	12.52	-41.57	-30	-11.57	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)	
85.92	-73.57	3.91	-69.66	-36	-33.66	PASS
169.28	-76.26	6.95	-69.31	-36	-33.31	PASS
265.83	-69.14	9.27	-59.87	-36	-23.87	PASS
636.19	-70.09	9.75	-60.34	-36	-24.34	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)	
1976.21	-63.33	18.05	-45.28	-30	-15.28	PASS
2231.60	-61.85	15.75	-46.10	-30	-16.10	PASS
3465.32	-51.5	13.06	-38.44	-30	-8.44	PASS
7232.51	-66.48	12.52	-53.96	-30	-23.96	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)	
77.36	-78.90	3.91	-74.99	-36	-38.99	PASS
184.02	-64.49	6.95	-57.54	-36	-21.54	PASS
559.68	-60.01	9.27	-50.74	-36	-14.74	PASS
756.75	-62.31	9.75	-52.56	-36	-16.56	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)	
1230.10	-55.09	18.05	-37.04	-30	-7.04	PASS
2175.65	-49.25	15.75	-33.50	-30	-3.50	PASS
3797.22	-67.45	13.06	-54.39	-30	-24.39	PASS
8129.02	-52.71	12.52	-40.19	-30	-10.19	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)	
67.15	-65.01	3.91	-61.10	-36	-25.10	PASS
180.56	-64.49	6.95	-57.54	-36	-21.54	PASS
301.83	-72.25	9.27	-62.98	-36	-26.98	PASS
826.51	-66.73	9.75	-56.98	-36	-20.98	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)	
1560.48	-53.07	18.05	-35.02	-30	-5.02	PASS
2237.96	-69.14	15.75	-53.39	-30	-23.39	PASS
3430.51	-65.09	13.06	-52.03	-30	-22.03	PASS
9241.63	-68.43	12.52	-55.91	-30	-25.91	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)	
55.47	-69.63	3.91	-65.72	-36	-29.72	PASS
131.89	-67.68	6.95	-60.73	-36	-24.73	PASS
266.40	-76.09	9.27	-66.82	-36	-30.82	PASS
612.24	-75.07	9.75	-65.32	-36	-29.32	PASS
<b>Remark:</b> 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)	
1087.58	-69.6	18.05	-51.55	-30	-21.55	PASS
2082.25	-54.73	15.75	-38.98	-30	-8.98	PASS
3658.31	-66.31	13.06	-53.25	-30	-23.25	PASS
7990.20	-57.91	12.52	-45.39	-30	-15.39	PASS
<b>Remark:</b> 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)	
62.97	-72.97	3.91	-69.06	-36	-33.06	PASS
179.57	-75.87	6.95	-68.92	-36	-32.92	PASS
581.23	-61.99	9.27	-52.72	-36	-16.72	PASS
861.99	-76.07	9.75	-66.32	-36	-30.32	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)	
1959.60	-64.38	18.05	-46.33	-30	-16.33	PASS
2978.54	-67.49	15.75	-51.74	-30	-21.74	PASS
3758.29	-58.25	13.06	-45.19	-30	-15.19	PASS
7552.59	-62.92	12.52	-50.40	-30	-20.40	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)	
82.61	-60.92	3.91	-57.01	-36	-21.01	PASS
112.38	-74.27	6.95	-67.32	-36	-31.32	PASS
463.08	-77.85	9.27	-68.58	-36	-32.58	PASS
886.46	-65.41	9.75	-55.66	-36	-19.66	PASS
<b>Remark:</b> 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)	
1394.96	-58.39	18.05	-40.34	-30	-10.34	PASS
2052.77	-52.5	15.75	-36.75	-30	-6.75	PASS
3741.52	-59.75	13.06	-46.69	-30	-16.69	PASS
11890.92	-57.5	12.52	-44.98	-30	-14.98	PASS
<b>Remark:</b> 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)	
53.80	-62.80	3.91	-58.89	-36	-22.89	PASS
123.77	-68.33	6.95	-61.38	-36	-25.38	PASS
494.16	-79.93	9.27	-70.66	-36	-34.66	PASS
672.75	-60.63	9.75	-50.88	-36	-14.88	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)	
1849.91	-53.2	18.05	-35.15	-30	-5.15	PASS
2920.89	-69.87	15.75	-54.12	-30	-24.12	PASS
4000.65	-54.49	13.06	-41.43	-30	-11.43	PASS
7375.17	-59.29	12.52	-46.77	-30	-16.77	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)	
40.09	-70.33	3.91	-66.42	-36	-30.42	PASS
140.31	-63.21	6.95	-56.26	-36	-20.26	PASS
318.76	-65.64	9.27	-56.37	-36	-20.37	PASS
765.89	-65.77	9.75	-56.02	-36	-20.02	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)	
1004.07	-63.18	18.05	-45.13	-30	-15.13	PASS
2799.83	-66.28	15.75	-50.53	-30	-20.53	PASS
3297.21	-67.66	13.06	-54.60	-30	-24.60	PASS
7033.21	-53.72	12.52	-41.20	-30	-11.20	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)	
45.50	-66.62	3.91	-62.71	-36	-26.71	PASS
130.07	-69.48	6.95	-62.53	-36	-26.53	PASS
415.76	-70.54	9.27	-61.27	-36	-25.27	PASS
658.53	-66.57	9.75	-56.82	-36	-20.82	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)	
1527.70	-65.46	18.05	-47.41	-30	-17.41	PASS
2009.71	-53.84	15.75	-38.09	-30	-8.09	PASS
3453.71	-62.63	13.06	-49.57	-30	-19.57	PASS
9685.12	-52.21	12.52	-39.69	-30	-9.69	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)	
87.62	-61.61	3.91	-57.70	-36	-21.70	PASS
128.86	-72.52	6.95	-65.57	-36	-29.57	PASS
286.05	-60.26	9.27	-50.99	-36	-14.99	PASS
674.85	-79.97	9.75	-70.22	-36	-34.22	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)	
1799.89	-59	18.05	-40.95	-30	-10.95	PASS
2167.92	-59.96	15.75	-44.21	-30	-14.21	PASS
3452.41	-50.73	13.06	-37.67	-30	-7.67	PASS
7051.72	-55.93	12.52	-43.41	-30	-13.41	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)	
36.04	-67.81	3.91	-63.90	-36	-27.90	PASS
128.24	-70.39	6.95	-63.44	-36	-27.44	PASS
344.82	-64.10	9.27	-54.83	-36	-18.83	PASS
809.69	-59.52	9.75	-49.77	-36	-13.77	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)	
1588.94	-65.36	18.05	-47.31	-30	-17.31	PASS
2174.13	-54.86	15.75	-39.11	-30	-9.11	PASS
3701.52	-61.74	13.06	-48.68	-30	-18.68	PASS
11027.07	-64.95	12.52	-52.43	-30	-22.43	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)	
44.49	-75.25	3.91	-71.34	-36	-35.34	PASS
158.35	-66.74	6.95	-59.79	-36	-23.79	PASS
473.51	-69.40	9.27	-60.13	-36	-24.13	PASS
768.87	-74.96	9.75	-65.21	-36	-29.21	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)	
1416.44	-68.6	18.05	-50.55	-30	-20.55	PASS
2646.44	-59.4	15.75	-43.65	-30	-13.65	PASS
3694.68	-49.73	13.06	-36.67	-30	-6.67	PASS
5206.03	-69.05	12.52	-56.53	-30	-26.53	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)	
54.69	-66.06	3.91	-62.15	-36	-26.15	PASS
189.91	-62.30	6.95	-55.35	-36	-19.35	PASS
314.10	-77.17	9.27	-67.90	-36	-31.90	PASS
738.47	-69.08	9.75	-59.33	-36	-23.33	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)	
1051.30	-59.04	18.05	-40.99	-30	-10.99	PASS
2037.55	-59.94	15.75	-44.19	-30	-14.19	PASS
3225.40	-62.57	13.06	-49.51	-30	-19.51	PASS
10760.09	-58.68	12.52	-46.16	-30	-16.16	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)	
50.75	-72.40	3.91	-68.49	-36	-32.49	PASS
100.91	-59.42	6.95	-52.47	-36	-16.47	PASS
276.66	-70.06	9.27	-60.79	-36	-24.79	PASS
758.78	-71.91	9.75	-62.16	-36	-26.16	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)	
1247.71	-63.74	18.05	-45.69	-30	-15.69	PASS
2087.35	-67.96	15.75	-52.21	-30	-22.21	PASS
3113.55	-52.77	13.06	-39.71	-30	-9.71	PASS
7884.39	-66.57	12.52	-54.05	-30	-24.05	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)	
64.77	-74.17	3.91	-70.26	-36	-34.26	PASS
176.07	-67.02	6.95	-60.07	-36	-24.07	PASS
214.61	-77.51	9.27	-68.24	-36	-32.24	PASS
618.79	-74.06	9.75	-64.31	-36	-28.31	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)	
1267.70	-49.86	18.05	-31.81	-30	-1.81	PASS
2754.45	-69.36	15.75	-53.61	-30	-23.61	PASS
3488.44	-64.61	13.06	-51.55	-30	-21.55	PASS
10809.98	-61.07	12.52	-48.55	-30	-18.55	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)	
88.27	-59.36	3.91	-55.45	-36	-19.45	PASS
92.97	-78.43	6.95	-71.48	-36	-35.48	PASS
384.20	-74.80	9.27	-65.53	-36	-29.53	PASS
887.48	-64.92	9.75	-55.17	-36	-19.17	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)	
1353.76	-62.04	18.05	-43.99	-30	-13.99	PASS
2667.05	-67.41	15.75	-51.66	-30	-21.66	PASS
3801.02	-64.51	13.06	-51.45	-30	-21.45	PASS
8290.69	-58.02	12.52	-45.50	-30	-15.50	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)	
64.17	-75.14	3.91	-71.23	-36	-35.23	PASS
102.68	-73.44	6.95	-66.49	-36	-30.49	PASS
568.19	-68.16	9.27	-58.89	-36	-22.89	PASS
664.80	-70.51	9.75	-60.76	-36	-24.76	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)	
1188.66	-64.87	18.05	-46.82	-30	-16.82	PASS
2987.01	-59.95	15.75	-44.20	-30	-14.20	PASS
3676.74	-68.47	13.06	-55.41	-30	-25.41	PASS
6375.77	-61.07	12.52	-48.55	-30	-18.55	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)	
66.78	-65.04	3.91	-61.13	-36	-25.13	PASS
116.19	-77.64	6.95	-70.69	-36	-34.69	PASS
480.72	-61.41	9.27	-52.14	-36	-16.14	PASS
750.28	-59.60	9.75	-49.85	-36	-13.85	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)	
1118.87	-50.37	18.05	-32.32	-30	-2.32	PASS
2789.01	-65.19	15.75	-49.44	-30	-19.44	PASS
3981.73	-67.37	13.06	-54.31	-30	-24.31	PASS
11194.32	-63.24	12.52	-50.72	-30	-20.72	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)	
38.06	-68.43	3.91	-64.52	-36	-28.52	PASS
199.95	-75.49	6.95	-68.54	-36	-32.54	PASS
521.57	-77.64	9.27	-68.37	-36	-32.37	PASS
845.34	-66.56	9.75	-56.81	-36	-20.81	PASS

Remark:

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)	
1745.72	-67.69	18.05	-49.64	-30	-19.64	PASS
2932.20	-56.08	15.75	-40.33	-30	-10.33	PASS
3089.00	-68.85	13.06	-55.79	-30	-25.79	PASS
6704.36	-58.71	12.52	-46.19	-30	-16.19	PASS

Remark:

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)	
51.12	-69.33	3.91	-65.42	-36	-29.42	PASS
110.00	-65.62	6.95	-58.67	-36	-22.67	PASS
209.28	-62.08	9.27	-52.81	-36	-16.81	PASS
613.13	-76.26	9.75	-66.51	-36	-30.51	PASS

Remark:

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)	
1183.67	-53.32	18.05	-35.27	-30	-5.27	PASS
2395.69	-55.34	15.75	-39.59	-30	-9.59	PASS
3789.05	-65.01	13.06	-51.95	-30	-21.95	PASS
4359.92	-58.7	12.52	-46.18	-30	-16.18	PASS

Remark:

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)	
69.32	-78.92	3.91	-75.01	-36	-39.01	PASS
110.03	-71.63	6.95	-64.68	-36	-28.68	PASS
569.73	-77.52	9.27	-68.25	-36	-32.25	PASS
603.02	-71.14	9.75	-61.39	-36	-25.39	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)	
1978.63	-59.12	18.05	-41.07	-30	-11.07	PASS
2182.70	-51.01	15.75	-35.26	-30	-5.26	PASS
3582.30	-58.63	13.06	-45.57	-30	-15.57	PASS
9662.93	-52.34	12.52	-39.82	-30	-9.82	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)	
87.14	-73.53	3.91	-69.62	-36	-33.62	PASS
97.49	-79.94	6.95	-72.99	-36	-36.99	PASS
519.54	-73.88	9.27	-64.61	-36	-28.61	PASS
790.78	-76.09	9.75	-66.34	-36	-30.34	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)	
1637.17	-68.55	18.05	-50.50	-30	-20.50	PASS
2098.09	-60.81	15.75	-45.06	-30	-15.06	PASS
3206.56	-65.07	13.06	-52.01	-30	-22.01	PASS
10436.02	-69.63	12.52	-57.11	-30	-27.11	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)	
49.52	-62.59	3.91	-58.68	-36	-22.68	PASS
193.81	-72.03	6.95	-65.08	-36	-29.08	PASS
504.72	-75.86	9.27	-66.59	-36	-30.59	PASS
807.39	-72.03	9.75	-62.28	-36	-26.28	PASS

Remark:

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)	
1024.54	-68.96	18.05	-50.91	-30	-20.91	PASS
2112.05	-67.21	15.75	-51.46	-30	-21.46	PASS
3441.96	-50.57	13.06	-37.51	-30	-7.51	PASS
7744.94	-53.38	12.52	-40.86	-30	-10.86	PASS

Remark:

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)	
55.95	-79.03	3.91	-75.12	-36	-39.12	PASS
166.20	-60.80	6.95	-53.85	-36	-17.85	PASS
477.20	-68.74	9.27	-59.47	-36	-23.47	PASS
845.86	-59.27	9.75	-49.52	-36	-13.52	PASS

Remark:

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)	
1666.10	-49.64	18.05	-31.59	-30	-1.59	PASS
2075.18	-64.62	15.75	-48.87	-30	-18.87	PASS
3917.69	-58.57	13.06	-45.51	-30	-15.51	PASS
11564.21	-54.15	12.52	-41.63	-30	-11.63	PASS

Remark:

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)	
89.64	-77.77	3.91	-73.86	-36	-37.86	PASS
192.86	-75.82	6.95	-68.87	-36	-32.87	PASS
560.23	-63.02	9.27	-53.75	-36	-17.75	PASS
785.17	-67.20	9.75	-57.45	-36	-21.45	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)	
1749.00	-53.93	18.05	-35.88	-30	-5.88	PASS
2204.76	-51.93	15.75	-36.18	-30	-6.18	PASS
3711.74	-67.99	13.06	-54.93	-30	-24.93	PASS
11468.39	-59.44	12.52	-46.92	-30	-16.92	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)	
43.63	-70.26	3.91	-66.35	-36	-30.35	PASS
138.50	-59.12	6.95	-52.17	-36	-16.17	PASS
297.15	-73.31	9.27	-64.04	-36	-28.04	PASS
872.24	-73.08	9.75	-63.33	-36	-27.33	PASS

Remark:

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)	
1490.13	-69.82	18.05	-51.77	-30	-21.77	PASS
2518.23	-54.92	15.75	-39.17	-30	-9.17	PASS
3196.00	-57.03	13.06	-43.97	-30	-13.97	PASS
9610.07	-63.59	12.52	-51.07	-30	-21.07	PASS

Remark:

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)	
51.43	-66.33	3.91	-62.42	-36	-26.42	PASS
103.24	-70.75	6.95	-63.80	-36	-27.80	PASS
524.07	-65.12	9.27	-55.85	-36	-19.85	PASS
657.64	-69.24	9.75	-59.49	-36	-23.49	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)	
1955.06	-57.4	18.05	-39.35	-30	-9.35	PASS
2413.97	-62.09	15.75	-46.34	-30	-16.34	PASS
3545.38	-56.76	13.06	-43.70	-30	-13.70	PASS
5600.40	-65.88	12.52	-53.36	-30	-23.36	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)	
55.05	-72.35	3.91	-68.44	-36	-32.44	PASS
165.30	-72.36	6.95	-65.41	-36	-29.41	PASS
579.70	-70.03	9.27	-60.76	-36	-24.76	PASS
609.22	-71.74	9.75	-61.99	-36	-25.99	PASS

Remark:

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)	
1757.20	-54.01	18.05	-35.96	-30	-5.96	PASS
2554.52	-62.68	15.75	-46.93	-30	-16.93	PASS
3156.21	-54.22	13.06	-41.16	-30	-11.16	PASS
10823.77	-51.41	12.52	-38.89	-30	-8.89	PASS

Remark:

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)	
75.52	-78.48	3.91	-74.57	-36	-38.57	PASS
93.61	-75.37	6.95	-68.42	-36	-32.42	PASS
224.53	-71.27	9.27	-62.00	-36	-26.00	PASS
891.74	-62.64	9.75	-52.89	-36	-16.89	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)	
1235.82	-52.69	18.05	-34.64	-30	-4.64	PASS
2928.32	-63.84	15.75	-48.09	-30	-18.09	PASS
3550.38	-56	13.06	-42.94	-30	-12.94	PASS
10880.33	-49.03	12.52	-36.51	-30	-6.51	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)	
80.66	-59.41	3.91	-55.50	-36	-19.50	PASS
106.28	-74.31	6.95	-67.36	-36	-31.36	PASS
412.20	-68.31	9.27	-59.04	-36	-23.04	PASS
784.39	-78.80	9.75	-69.05	-36	-33.05	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)	
1374.07	-69.26	18.05	-51.21	-30	-21.21	PASS
2374.88	-55.5	15.75	-39.75	-30	-9.75	PASS
3083.93	-58.03	13.06	-44.97	-30	-14.97	PASS
6880.13	-62.74	12.52	-50.22	-30	-20.22	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)	
79.98	H	-70.85	8.07	-62.78	-57	-5.78	PASS
141.47	H	-83.76	7.62	-76.14	-57	-19.14	PASS
283.96	H	-75.54	5.62	-69.92	-57	-12.92	PASS
836.05	H	-69.31	8.80	-60.51	-57	-3.51	PASS
55.85	V	-89.42	2.77	-86.65	-57	-29.65	PASS
198.00	V	-79.34	7.04	-72.30	-57	-15.30	PASS
371.98	V	-84.28	5.42	-78.86	-57	-21.86	PASS
638.94	V	-87.22	4.44	-82.78	-57	-25.78	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)	
1203.95	V	-74.68	8.92	-65.76	-47	-18.76	PASS
2275.25	V	-74.16	14.79	-59.37	-47	-12.37	PASS
3572.17	V	-72.83	11.97	-60.86	-47	-13.86	PASS
4828.39	V	-66.07	14.58	-51.49	-47	-4.49	PASS
1554.98	H	-70.00	11.13	-58.87	-47	-11.87	PASS
2042.57	H	-74.05	8.20	-65.85	-47	-18.85	PASS
3461.72	H	-76.53	11.93	-64.60	-47	-17.60	PASS
8732.65	H	-65.03	14.12	-50.91	-47	-3.91	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)	
74.74	H	-85.74	8.07	-77.67	-57	-20.67	PASS
157.16	H	-89.72	7.62	-82.10	-57	-25.10	PASS
335.45	H	-74.89	5.62	-69.27	-57	-12.27	PASS
683.23	H	-79.49	8.80	-70.69	-57	-13.69	PASS
43.23	V	-76.08	2.77	-73.31	-57	-16.31	PASS
126.28	V	-78.32	7.04	-71.28	-57	-14.28	PASS
387.66	V	-72.75	5.42	-67.33	-57	-10.33	PASS
772.43	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)	
1686.43	V	-65.66	8.92	-56.74	-47	-9.74	PASS
2400.82	V	-73.83	14.79	-59.04	-47	-12.04	PASS
3286.68	V	-73.02	11.97	-61.05	-47	-14.05	PASS
11540.01	V	-69.86	14.58	-55.28	-47	-8.28	PASS
1551.43	H	-76.21	11.13	-65.08	-47	-18.08	PASS
2613.51	H	-64.83	8.20	-56.63	-47	-9.63	PASS
3732.99	H	-74.43	11.93	-62.50	-47	-15.50	PASS
8626.71	H	-68.87	14.12	-54.75	-47	-7.75	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)	
78.79	H	-81.74	8.07	-73.67	-57	-16.67	PASS
104.68	H	-76.75	7.62	-69.13	-57	-12.13	PASS
555.72	H	-79.34	5.62	-73.72	-57	-16.72	PASS
863.93	H	-85.50	8.80	-76.70	-57	-19.70	PASS
65.70	V	-85.45	2.77	-82.68	-57	-25.68	PASS
128.58	V	-88.02	7.04	-80.98	-57	-23.98	PASS
406.71	V	-87.25	5.42	-81.83	-57	-24.83	PASS
724.45	V	-72.97	4.44	-68.53	-57	-11.53	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)	
1367.43	V	-64.71	8.92	-55.79	-47	-8.79	PASS
2394.82	V	-67.59	14.79	-52.80	-47	-5.80	PASS
3153.84	V	-73.28	11.97	-61.31	-47	-14.31	PASS
10594.83	V	-76.41	14.58	-61.83	-47	-14.83	PASS
1418.12	H	-79.96	11.13	-68.83	-47	-21.83	PASS
2892.28	H	-79.48	8.20	-71.28	-47	-24.28	PASS
3929.59	H	-68.71	11.93	-56.78	-47	-9.78	PASS
5764.49	H	-74.25	14.12	-60.13	-47	-13.13	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)	
68.20	H	-88.26	8.07	-80.19	-57	-23.19	PASS
147.28	H	-88.20	7.62	-80.58	-57	-23.58	PASS
600.98	H	-75.12	5.62	-69.50	-57	-12.50	PASS
710.11	H	-73.31	8.80	-64.51	-57	-7.51	PASS
40.15	V	-81.31	2.77	-78.54	-57	-21.54	PASS
193.17	V	-71.06	7.04	-64.02	-57	-7.02	PASS
342.62	V	-70.72	5.42	-65.30	-57	-8.30	PASS
885.94	V	-80.41	4.44	-75.97	-57	-18.97	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)	
1412.11	V	-74.80	8.92	-65.88	-47	-18.88	PASS
2505.04	V	-71.16	14.79	-56.37	-47	-9.37	PASS
3259.89	V	-64.80	11.97	-52.83	-47	-5.83	PASS
7969.46	V	-64.84	14.58	-50.26	-47	-3.26	PASS
1034.34	H	-79.93	11.13	-68.80	-47	-21.80	PASS
2463.75	H	-64.63	8.20	-56.43	-47	-9.43	PASS
3594.10	H	-71.01	11.93	-59.08	-47	-12.08	PASS
11293.29	H	-72.17	14.12	-58.05	-47	-11.05	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)	
51.10	H	-82.76	8.07	-74.69	-57	-17.69	PASS
121.38	H	-70.50	7.62	-62.88	-57	-5.88	PASS
426.24	H	-82.75	5.62	-77.13	-57	-20.13	PASS
727.10	H	-71.83	8.80	-63.03	-57	-6.03	PASS
57.96	V	-84.34	2.77	-81.57	-57	-24.57	PASS
156.51	V	-84.46	7.04	-77.42	-57	-20.42	PASS
486.45	V	-80.48	5.42	-75.06	-57	-18.06	PASS
829.95	V	-69.19	4.44	-64.75	-57	-7.75	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)	
1689.02	V	-68.37	8.92	-59.45	-47	-12.45	PASS
2023.11	V	-64.45	14.79	-49.66	-47	-2.66	PASS
3605.25	V	-74.79	11.97	-62.82	-47	-15.82	PASS
11648.28	V	-75.36	14.58	-60.78	-47	-13.78	PASS
1643.80	H	-67.96	11.13	-56.83	-47	-9.83	PASS
2831.45	H	-77.66	8.20	-69.46	-47	-22.46	PASS
3320.02	H	-72.39	11.93	-60.46	-47	-13.46	PASS
10683.68	H	-74.73	14.12	-60.61	-47	-13.61	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)	
54.07	H	-80.79	8.07	-72.72	-57	-15.72	PASS
92.24	H	-85.09	7.62	-77.47	-57	-20.47	PASS
462.54	H	-72.80	5.62	-67.18	-57	-10.18	PASS
772.09	H	-80.48	8.80	-71.68	-57	-14.68	PASS
70.51	V	-78.71	2.77	-75.94	-57	-18.94	PASS
94.63	V	-86.17	7.04	-79.13	-57	-22.13	PASS
292.78	V	-85.03	5.42	-79.61	-57	-22.61	PASS
869.93	V	-70.16	4.44	-65.72	-57	-8.72	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)	
1986.63	V	-77.04	8.92	-68.12	-47	-21.12	PASS
2514.04	V	-64.05	14.79	-49.26	-47	-2.26	PASS
3545.28	V	-77.29	11.97	-65.32	-47	-18.32	PASS
8947.29	V	-77.90	14.58	-63.32	-47	-16.32	PASS
1167.80	H	-77.29	11.13	-66.16	-47	-19.16	PASS
2648.64	H	-74.00	8.20	-65.80	-47	-18.80	PASS
3846.82	H	-67.61	11.93	-55.68	-47	-8.68	PASS
8210.11	H	-67.17	14.12	-53.05	-47	-6.05	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)	
91.00	H	-71.94	8.07	-63.87	-57	-6.87	PASS
187.38	H	-73.86	7.62	-66.24	-57	-9.24	PASS
217.27	H	-75.38	5.62	-69.76	-57	-12.76	PASS
852.43	H	-73.84	8.80	-65.04	-57	-8.04	PASS
65.12	V	-79.13	2.77	-76.36	-57	-19.36	PASS
137.54	V	-71.03	7.04	-63.99	-57	-6.99	PASS
259.04	V	-74.83	5.42	-69.41	-57	-12.41	PASS
640.97	V	-70.76	4.44	-66.32	-57	-9.32	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)	
1970.29	V	-66.73	8.92	-57.81	-47	-10.81	PASS
2136.74	V	-68.75	14.79	-53.96	-47	-6.96	PASS
3125.23	V	-65.20	11.97	-53.23	-47	-6.23	PASS
9622.55	V	-68.21	14.58	-53.63	-47	-6.63	PASS
1948.86	H	-66.13	11.13	-55.00	-47	-8.00	PASS
2614.58	H	-65.98	8.20	-57.78	-47	-10.78	PASS
3617.00	H	-66.44	11.93	-54.51	-47	-7.51	PASS
6193.43	H	-64.23	14.12	-50.11	-47	-3.11	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)	
50.37	H	-78.14	8.07	-70.07	-57	-13.07	PASS
105.89	H	-78.56	7.62	-70.94	-57	-13.94	PASS
215.79	H	-69.87	5.62	-64.25	-57	-7.25	PASS
763.52	H	-74.22	8.80	-65.42	-57	-8.42	PASS
60.92	V	-78.04	2.77	-75.27	-57	-18.27	PASS
184.57	V	-78.31	7.04	-71.27	-57	-14.27	PASS
308.82	V	-79.34	5.42	-73.92	-57	-16.92	PASS
792.47	V	-73.06	4.44	-68.62	-57	-11.62	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)	
1973.33	V	-66.69	8.92	-57.77	-47	-10.77	PASS
2889.18	V	-67.57	14.79	-52.78	-47	-5.78	PASS
3015.15	V	-64.32	11.97	-52.35	-47	-5.35	PASS
10905.10	V	-66.63	14.58	-52.05	-47	-5.05	PASS
1190.94	H	-64.13	11.13	-53.00	-47	-6.00	PASS
2168.16	H	-68.47	8.20	-60.27	-47	-13.27	PASS
3953.82	H	-67.38	11.93	-55.45	-47	-8.45	PASS
5879.40	H	-66.22	14.12	-52.10	-47	-5.10	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)	
67.46	H	-72.43	8.07	-64.36	-57	-7.36	PASS
147.44	H	-71.86	7.62	-64.24	-57	-7.24	PASS
548.25	H	-77.56	5.62	-71.94	-57	-14.94	PASS
750.80	H	-71.62	8.80	-62.82	-57	-5.82	PASS
32.18	V	-77.61	2.77	-74.84	-57	-17.84	PASS
153.16	V	-73.23	7.04	-66.19	-57	-9.19	PASS
340.72	V	-77.68	5.42	-72.26	-57	-15.26	PASS
725.63	V	-79.41	4.44	-74.97	-57	-17.97	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)	
1780.78	V	-66.32	8.92	-57.40	-47	-10.40	PASS
2950.17	V	-66.88	14.79	-52.09	-47	-5.09	PASS
3232.64	V	-66.91	11.97	-54.94	-47	-7.94	PASS
10622.56	V	-69.57	14.58	-54.99	-47	-7.99	PASS
1681.24	H	-64.35	11.13	-53.22	-47	-6.22	PASS
2936.90	H	-64.17	8.20	-55.97	-47	-8.97	PASS
3866.47	H	-66.57	11.93	-54.64	-47	-7.64	PASS
10698.60	H	-68.16	14.12	-54.04	-47	-7.04	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)	
61.23	H	-77.70	8.07	-69.63	-57	-12.63	PASS
102.27	H	-71.71	7.62	-64.09	-57	-7.09	PASS
385.17	H	-74.14	5.62	-68.52	-57	-11.52	PASS
875.86	H	-69.91	8.80	-61.11	-57	-4.11	PASS
36.39	V	-80.10	2.77	-77.33	-57	-20.33	PASS
192.03	V	-80.30	7.04	-73.26	-57	-16.26	PASS
596.99	V	-76.79	5.42	-71.37	-57	-14.37	PASS
678.89	V	-74.32	4.44	-69.88	-57	-12.88	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)	
1270.08	V	-74.79	8.92	-65.87	-47	-18.87	PASS
2891.65	V	-76.03	14.79	-61.24	-47	-14.24	PASS
3954.53	V	-68.70	11.97	-56.73	-47	-9.73	PASS
10610.10	V	-68.28	14.58	-53.70	-47	-6.70	PASS
1833.33	H	-64.04	11.13	-52.91	-47	-5.91	PASS
2694.37	H	-75.61	8.20	-67.41	-47	-20.41	PASS
3676.66	H	-74.04	11.93	-62.11	-47	-15.11	PASS
10517.60	H	-74.07	14.12	-59.95	-47	-12.95	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)	
44.64	H	-79.78	8.07	-71.71	-57	-14.71	PASS
109.57	H	-70.05	7.62	-62.43	-57	-5.43	PASS
449.47	H	-81.60	5.62	-75.98	-57	-18.98	PASS
687.09	H	-75.50	8.80	-66.70	-57	-9.70	PASS
69.61	V	-85.96	2.77	-83.19	-57	-26.19	PASS
101.34	V	-87.41	7.04	-80.37	-57	-23.37	PASS
380.95	V	-81.37	5.42	-75.95	-57	-18.95	PASS
678.36	V	-76.57	4.44	-72.13	-57	-15.13	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)	
1505.32	V	-66.86	8.92	-57.94	-47	-10.94	PASS
2276.91	V	-65.76	14.79	-50.97	-47	-3.97	PASS
3242.86	V	-77.22	11.97	-65.25	-47	-18.25	PASS
6824.88	V	-74.12	14.58	-59.54	-47	-12.54	PASS
1744.56	H	-66.29	11.13	-55.16	-47	-8.16	PASS
2774.28	H	-69.10	8.20	-60.90	-47	-13.90	PASS
3340.05	H	-76.34	11.93	-64.41	-47	-17.41	PASS
11166.82	H	-79.39	14.12	-65.27	-47	-18.27	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)	
89.94	H	-80.25	8.07	-72.18	-57	-15.18	PASS
173.93	H	-73.25	7.62	-65.63	-57	-8.63	PASS
590.50	H	-86.46	5.62	-80.84	-57	-23.84	PASS
888.27	H	-83.10	8.80	-74.30	-57	-17.30	PASS
71.28	V	-81.12	2.77	-78.35	-57	-21.35	PASS
135.95	V	-82.40	7.04	-75.36	-57	-18.36	PASS
564.52	V	-81.59	5.42	-76.17	-57	-19.17	PASS
683.70	V	-74.55	4.44	-70.11	-57	-13.11	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)	
1257.90	V	-68.81	8.92	-59.89	-47	-12.89	PASS
2653.54	V	-66.44	14.79	-51.65	-47	-4.65	PASS
3410.93	V	-64.03	11.97	-52.06	-47	-5.06	PASS
9238.99	V	-64.67	14.58	-50.09	-47	-3.09	PASS
1273.04	H	-64.91	11.13	-53.78	-47	-6.78	PASS
2316.25	H	-75.90	8.20	-67.70	-47	-20.70	PASS
3810.42	H	-71.44	11.93	-59.51	-47	-12.51	PASS
4200.65	H	-78.59	14.12	-64.47	-47	-17.47	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)	
71.70	H	-87.21	8.07	-79.14	-57	-22.14	PASS
139.93	H	-89.95	7.62	-82.33	-57	-25.33	PASS
560.44	H	-71.82	5.62	-66.20	-57	-9.20	PASS
654.07	H	-74.14	8.80	-65.34	-57	-8.34	PASS
78.98	V	-85.79	2.77	-83.02	-57	-26.02	PASS
110.28	V	-86.70	7.04	-79.66	-57	-22.66	PASS
474.40	V	-69.36	5.42	-63.94	-57	-6.94	PASS
707.32	V	-81.09	4.44	-76.65	-57	-19.65	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)	
1492.77	V	-74.46	8.92	-65.54	-47	-18.54	PASS
2879.44	V	-79.10	14.79	-64.31	-47	-17.31	PASS
3060.92	V	-64.68	11.97	-52.71	-47	-5.71	PASS
10662.36	V	-69.66	14.58	-55.08	-47	-8.08	PASS
1172.96	H	-77.53	11.13	-66.40	-47	-19.40	PASS
2418.08	H	-67.79	8.20	-59.59	-47	-12.59	PASS
3571.26	H	-64.83	11.93	-52.90	-47	-5.90	PASS
7038.08	H	-79.22	14.12	-65.10	-47	-18.10	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)	
72.96	H	-86.01	8.07	-77.94	-57	-20.94	PASS
103.01	H	-75.09	7.62	-67.47	-57	-10.47	PASS
466.30	H	-82.09	5.62	-76.47	-57	-19.47	PASS
661.17	H	-77.71	8.80	-68.91	-57	-11.91	PASS
30.41	V	-88.80	2.77	-86.03	-57	-29.03	PASS
173.66	V	-73.25	7.04	-66.21	-57	-9.21	PASS
504.10	V	-72.80	5.42	-67.38	-57	-10.38	PASS
624.73	V	-75.33	4.44	-70.89	-57	-13.89	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)	
1071.69	V	-77.10	8.92	-68.18	-47	-21.18	PASS
2986.18	V	-75.35	14.79	-60.56	-47	-13.56	PASS
3426.17	V	-65.10	11.97	-53.13	-47	-6.13	PASS
4970.92	V	-73.79	14.58	-59.21	-47	-12.21	PASS
1698.84	H	-66.37	11.13	-55.24	-47	-8.24	PASS
2271.50	H	-71.36	8.20	-63.16	-47	-16.16	PASS
3755.69	H	-71.60	11.93	-59.67	-47	-12.67	PASS
11615.38	H	-78.56	14.12	-64.44	-47	-17.44	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)	
49.76	H	-72.27	8.07	-64.20	-57	-7.20	PASS
170.34	H	-74.06	7.62	-66.44	-57	-9.44	PASS
416.38	H	-72.17	5.62	-66.55	-57	-9.55	PASS
632.77	H	-88.08	8.80	-79.28	-57	-22.28	PASS
35.44	V	-87.30	2.77	-84.53	-57	-27.53	PASS
114.02	V	-85.17	7.04	-78.13	-57	-21.13	PASS
396.52	V	-85.03	5.42	-79.61	-57	-22.61	PASS
678.94	V	-71.46	4.44	-67.02	-57	-10.02	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)	
1756.17	V	-68.59	8.92	-59.67	-47	-12.67	PASS
2771.91	V	-72.48	14.79	-57.69	-47	-10.69	PASS
3163.34	V	-72.18	11.97	-60.21	-47	-13.21	PASS
9485.69	V	-70.55	14.58	-55.97	-47	-8.97	PASS
1447.10	H	-76.34	11.13	-65.21	-47	-18.21	PASS
2554.41	H	-64.49	8.20	-56.29	-47	-9.29	PASS
3976.93	H	-74.87	11.93	-62.94	-47	-15.94	PASS
4699.81	H	-73.81	14.12	-59.69	-47	-12.69	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  $DPCCH\_E_c/I_{or}$  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
$\frac{DPDCH\_E_c}{I_{or}}$	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
$\frac{DPCCH\_E_c}{I_{or}}$	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  $DPCCH\_E_c/I_{or}$  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

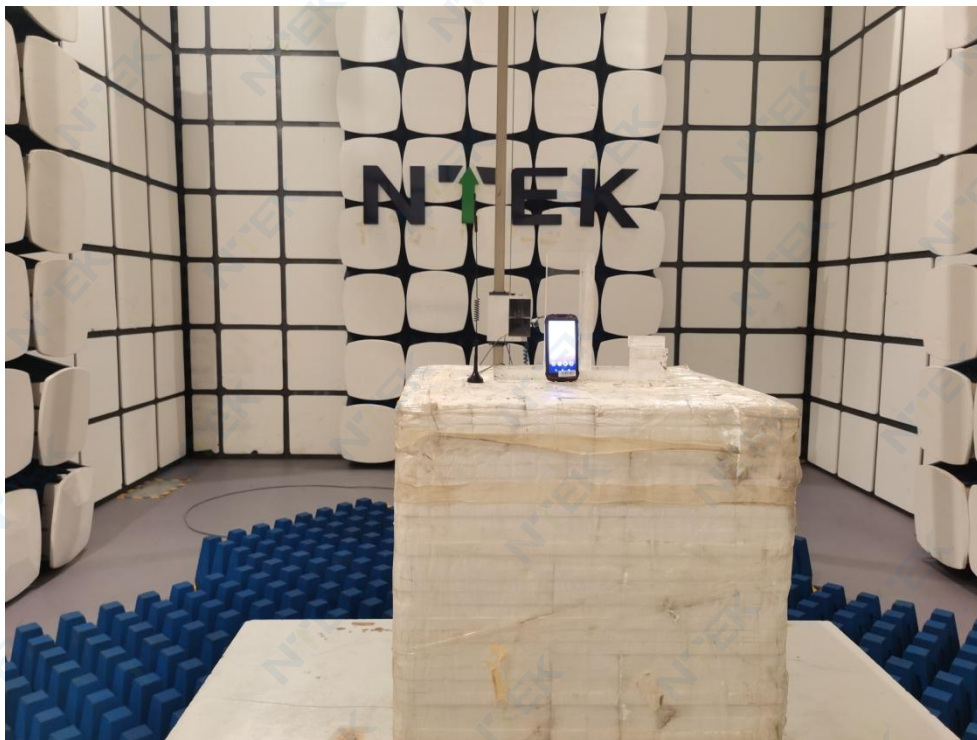
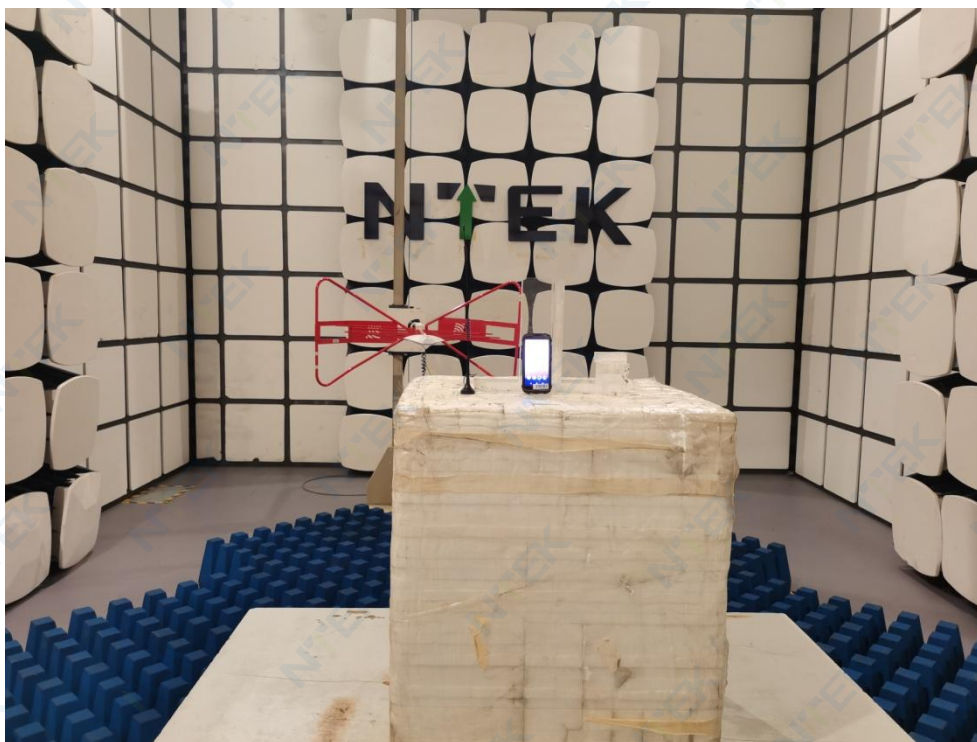
Test Result: Pass.

## **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