



# **RADIO TEST REPORT**

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

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

**Product :** Smartphone

**Trade Mark :** CUBOT

**Model Name :** P60

**Family Model :** N/A

**Report No. :** S22081801405008

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

**Product description**

**Product name** ..... : Smartphone  
**Trademark** ..... : CUBOT  
**Model Name** ..... : P60  
**Family Model** ..... : N/A

**Sample number** ..... S220818014006

**Standards** ..... : EN 301 908-1 V13.1.1 (2019-11)  
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 of Radio Equipment Regulations (SI 2017/1206) requirements. And it is applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personnel only, and shall be noted in the revision of the document.

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

**Date (s) of performance of tests** ..... Aug 18. 2022 ~ Aug 29. 2022

**Date of Issue** ..... Aug 30. 2022

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

**Testing Engineer** :



(Allen Liu)

**Authorized Signatory** :



(Alex Li)

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## Revision History

Report No.	Version	Description	Issued Date
S22081801405008	Rev.01	Initial issue of report	Aug 30. 2022

## 1.SUMMARY OF TEST RESULTS

### Leading Reference Documents For Testing:

No.	Identity	Document Title
1	EN 301 908-1	IMT cellular networks; Harmonised Standard covering the essential requirements of Radio Equipment Regulations (SI 2017/1206); Part 1: Introduction and common requirements
2	ETSI EN 301908-13	IMT cellular networks; Harmonised Standard covering the essential requirements of Radio Equipment Regulations (SI 2017/1206); 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	P60
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 Downlink: 791 MHz to 821 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-0502000-UK Input: 100-240V~50/60Hz, 0.3A Output: 5.0V---2.0A 10.0W
Battery	DC 3.85V, 5000mAh
Rating	DC 3.85V from battery or DC 5V from Adapter.
Antenna:	PIFA Antenna
Antenna Gain:	-1dBi
Hardware Version	A567-MB-V9.0
Software Version	CUBOT_P60_C061C_V01_20220811



## 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	2022.04.06	2023.04.05	1 year
2	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
5	Spectrum Analyzer	Agilent	N9020A	MY46471732	2022.04.06	2023.04.05	1 year
6	Horn Antenna	EM	EM-AH-20180	2011071402	2022.03.31	2023.03.30	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.04.06	2023.04.05	1 year
8	Amplifier	EMC	EMC051835S E	980246	2022.06.17	2023.06.16	1 year
9	Loop Antenna	ARA	PLA-2030/B	1029	2022.04.06	2023.04.05	1 year
10	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	2022.06.16	2023.06.15	1 year
11	LTE Wireless Communications Test Set	R&S	CMW500	1100.008.02	2022.06.17	2023.06.16	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	2021.11.04	2022.11.03	1 year
14	Power Meter	DARE	RPR3006W	15I00041SNO8 4	2022.06.16	2023.06.15	1 year
15	ESG VETCTOR SIGNAL GENERAROR	Agilent	E4438C	MY45093347	2022.04.06	2023.04.05	1 year
16	Spectrum Analyzer	R&S	FSV40	101417	2022.04.06	2023.04.05	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 3.85V		
Extreme Temperature:	Low Temperature (LT)	=	-10°C
	High Temperature (HT)	=	40°C
Extreme Voltage of the EUT (Declared by manufacturer):	Normal Voltage (NV)	=	DC 3.85V
	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

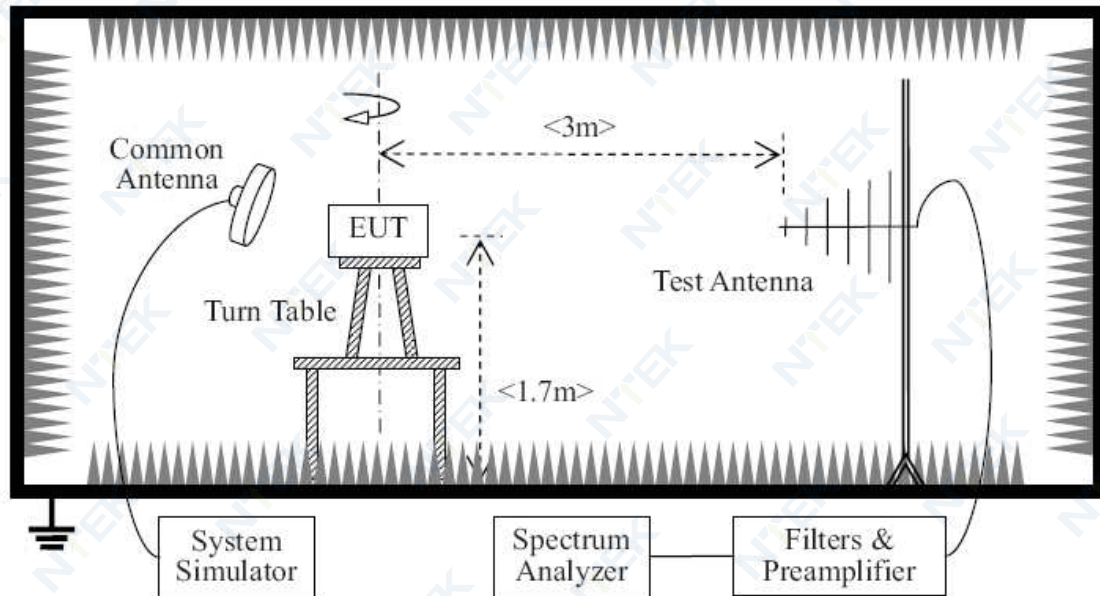
Table 2

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

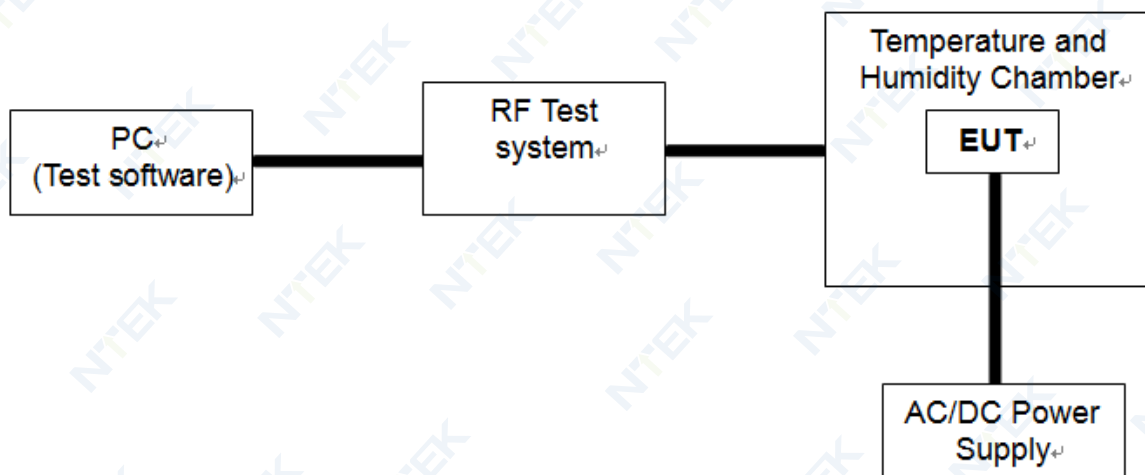
### 1. Radiated Spurious Emission Test Setup



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. 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. 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)	
53.24	-63.32	3.91	-59.41	-36	-23.41	PASS
130.08	-59.29	6.95	-52.34	-36	-16.34	PASS
342.23	-65.93	9.27	-56.66	-36	-20.66	PASS
784.07	-79.95	9.75	-70.20	-36	-34.20	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)	
1124.18	-69.04	18.05	-50.99	-30	-20.99	PASS
2910.55	-50.93	15.75	-35.18	-30	-5.18	PASS
3944.68	-50.66	13.06	-37.60	-30	-7.60	PASS
7996.37	-62.96	12.52	-50.44	-30	-20.44	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)	
55.12	-60.72	3.91	-56.81	-36	-20.81	PASS
111.05	-66.07	6.95	-59.12	-36	-23.12	PASS
373.38	-78.5	9.27	-69.23	-36	-33.23	PASS
682.48	-70.2	9.75	-60.45	-36	-24.45	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)	
1184.08	-65.27	18.05	-47.22	-30	-17.22	PASS
2496.59	-62.29	15.75	-46.54	-30	-16.54	PASS
3035.33	-53.49	13.06	-40.43	-30	-10.43	PASS
4258.43	-67.73	12.52	-55.21	-30	-25.21	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)	
53.62	-60.01	3.91	-56.10	-36	-20.10	PASS
112.45	-78.47	6.95	-71.52	-36	-35.52	PASS
462.75	-78.62	9.27	-69.35	-36	-33.35	PASS
677.17	-74.15	9.75	-64.40	-36	-28.40	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)	
1681.37	-60.75	18.05	-42.70	-30	-12.70	PASS
2038.17	-52.4	15.75	-36.65	-30	-6.65	PASS
3292.13	-68.55	13.06	-55.49	-30	-25.49	PASS
7411.49	-53.93	12.52	-41.41	-30	-11.41	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)	
71.35	-59.23	3.91	-55.32	-36	-19.32	PASS
123.85	-78.35	6.95	-71.40	-36	-35.40	PASS
547.70	-76.13	9.27	-66.86	-36	-30.86	PASS
769.31	-72.01	9.75	-62.26	-36	-26.26	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)	
1659.14	-62.47	18.05	-44.42	-30	-14.42	PASS
2819.59	-67.99	15.75	-52.24	-30	-22.24	PASS
3881.07	-66.81	13.06	-53.75	-30	-23.75	PASS
9359.28	-61.44	12.52	-48.92	-30	-18.92	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)	
45.43	-62.85	3.91	-58.94	-36	-22.94	PASS
186.59	-64.92	6.95	-57.97	-36	-21.97	PASS
394.05	-65.06	9.27	-55.79	-36	-19.79	PASS
897.03	-69.6	9.75	-59.85	-36	-23.85	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)	
1389.99	-62.62	18.05	-44.57	-30	-14.57	PASS
2169.63	-60.81	15.75	-45.06	-30	-15.06	PASS
3674.11	-59.53	13.06	-46.47	-30	-16.47	PASS
11571.15	-59.85	12.52	-47.33	-30	-17.33	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)	
58.12	-76.47	3.91	-72.56	-36	-36.56	PASS
148.51	-70.55	6.95	-63.60	-36	-27.60	PASS
453.95	-73.36	9.27	-64.09	-36	-28.09	PASS
868.59	-75.42	9.75	-65.67	-36	-29.67	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)	
1894.60	-67.82	18.05	-49.77	-30	-19.77	PASS
2495.43	-49.11	15.75	-33.36	-30	-3.36	PASS
3382.20	-68.16	13.06	-55.10	-30	-25.10	PASS
6448.89	-62.06	12.52	-49.54	-30	-19.54	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)	
60.78	-60.18	3.91	-56.27	-36	-20.27	PASS
158.61	-65.51	6.95	-58.56	-36	-22.56	PASS
511.65	-61.14	9.27	-51.87	-36	-15.87	PASS
800.24	-73.4	9.75	-63.65	-36	-27.65	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)	
1786.77	-54.11	18.05	-36.06	-30	-6.06	PASS
2768.56	-57.09	15.75	-41.34	-30	-11.34	PASS
3827.08	-57.74	13.06	-44.68	-30	-14.68	PASS
11475.64	-50	12.52	-37.48	-30	-7.48	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)	
70.85	-71.73	3.91	-67.82	-36	-31.82	PASS
130.71	-73.28	6.95	-66.33	-36	-30.33	PASS
228.03	-73.44	9.27	-64.17	-36	-28.17	PASS
870.09	-68.22	9.75	-58.47	-36	-22.47	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)	
1133.42	-65.56	18.05	-47.51	-30	-17.51	PASS
2050.61	-69.53	15.75	-53.78	-30	-23.78	PASS
3768.48	-58.31	13.06	-45.25	-30	-15.25	PASS
7630.45	-57.95	12.52	-45.43	-30	-15.43	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)	
43.50	-51.99	2.35	-49.64	-36	-13.64	PASS
186.43	-65.00	1.38	-63.62	-36	-27.62	PASS
564.85	-64.79	5.45	-59.34	-36	-23.34	PASS
698.55	-51.71	1.45	-50.26	-36	-14.26	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)	
1543.93	-54.56	14.81	-39.75	-30	-9.75	PASS
2829.03	-65.02	15.91	-49.11	-30	-19.11	PASS
3377.21	-63.03	14.93	-48.10	-30	-18.10	PASS
9121.23	-63.99	16.55	-47.44	-30	-17.44	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)	
63.33	-49.40	5.93	-43.47	-36	-7.47	PASS
105.45	-68.14	9.25	-58.89	-36	-22.89	PASS
526.12	-51.77	4.35	-47.42	-36	-11.42	PASS
784.38	-63.15	8.47	-54.68	-36	-18.68	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)	
1723.72	-54.85	18.25	-36.60	-30	-6.60	PASS
2573.81	-65.98	18.87	-47.11	-30	-17.11	PASS
3762.94	-53.43	13.86	-39.57	-30	-9.57	PASS
5422.62	-60.78	10.24	-50.54	-30	-20.54	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)	
86.61	-49.81	6.38	-43.43	-36	-7.43	PASS
122.28	-50.16	8.65	-41.51	-36	-5.51	PASS
540.14	-53.47	1.51	-51.96	-36	-15.96	PASS
679.60	-52.96	9.03	-43.93	-36	-7.93	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)	
1279.65	-50.94	11.72	-39.22	-30	-9.22	PASS
2898.98	-61.90	15.95	-45.95	-30	-15.95	PASS
3914.30	-61.03	12.25	-48.78	-30	-18.78	PASS
7267.45	-56.81	15.98	-40.83	-30	-10.83	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)	
60.32	-57.77	1.69	-56.08	-36	-20.08	PASS
185.50	-59.29	3.80	-55.49	-36	-19.49	PASS
588.11	-56.25	3.93	-52.32	-36	-16.32	PASS
668.03	-52.93	8.89	-44.04	-36	-8.04	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)	
1140.16	-63.23	15.40	-47.83	-30	-17.83	PASS
2708.79	-68.78	14.23	-54.55	-30	-24.55	PASS
3139.12	-55.18	18.65	-36.53	-30	-6.53	PASS
10655.76	-60.51	16.16	-44.35	-30	-14.35	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)	
88.08	-61.81	3.91	-57.90	-36	-21.90	PASS
187.52	-79.63	6.95	-72.68	-36	-36.68	PASS
243.26	-70.01	9.27	-60.74	-36	-24.74	PASS
886.54	-63.64	9.75	-53.89	-36	-17.89	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)	
1564.99	-66.11	18.05	-48.06	-30	-18.06	PASS
2790.91	-65.9	15.75	-50.15	-30	-20.15	PASS
3866.15	-53.64	13.06	-40.58	-30	-10.58	PASS
11337.76	-49.77	12.52	-37.25	-30	-7.25	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)	
59.24	-61.41	3.91	-57.50	-36	-21.50	PASS
174.15	-76.93	6.95	-69.98	-36	-33.98	PASS
568.24	-78.85	9.27	-69.58	-36	-33.58	PASS
654.39	-69.89	9.75	-60.14	-36	-24.14	PASS

Remark:

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)	
1866.01	-57.16	18.05	-39.11	-30	-9.11	PASS
2514.89	-53.56	15.75	-37.81	-30	-7.81	PASS
3220.47	-68.08	13.06	-55.02	-30	-25.02	PASS
4101.18	-67.56	12.52	-55.04	-30	-25.04	PASS

Remark:

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)	
42.76	-70.08	3.91	-66.17	-36	-30.17	PASS
102.12	-74.54	6.95	-67.59	-36	-31.59	PASS
417.30	-69.12	9.27	-59.85	-36	-23.85	PASS
653.23	-63.33	9.75	-53.58	-36	-17.58	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)	
1045.72	-49.91	18.05	-31.86	-30	-1.86	PASS
2487.06	-59.45	15.75	-43.70	-30	-13.70	PASS
3028.55	-59.37	13.06	-46.31	-30	-16.31	PASS
4665.55	-62.92	12.52	-50.40	-30	-20.40	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)	
38.94	-61.69	3.91	-57.78	-36	-21.78	PASS
148.11	-65.10	6.95	-58.15	-36	-22.15	PASS
348.50	-74.62	9.27	-65.35	-36	-29.35	PASS
780.19	-72.77	9.75	-63.02	-36	-27.02	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)	
1648.68	-51.63	18.05	-33.58	-30	-3.58	PASS
2552.32	-50.07	15.75	-34.32	-30	-4.32	PASS
3776.29	-59.3	13.06	-46.24	-30	-16.24	PASS
5749.16	-56.79	12.52	-44.27	-30	-14.27	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)	
32.63	-79.68	3.91	-75.77	-36	-39.77	PASS
134.06	-72.61	6.95	-65.66	-36	-29.66	PASS
381.59	-70.05	9.27	-60.78	-36	-24.78	PASS
618.75	-66.53	9.75	-56.78	-36	-20.78	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)	
1064.27	-56.33	18.05	-38.28	-30	-8.28	PASS
2245.87	-59.38	15.75	-43.63	-30	-13.63	PASS
3337.59	-53.46	13.06	-40.40	-30	-10.40	PASS
10630.43	-64.6	12.52	-52.08	-30	-22.08	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)	
63.83	-60.96	3.91	-57.05	-36	-21.05	PASS
179.09	-68.75	6.95	-61.80	-36	-25.80	PASS
498.73	-65.36	9.27	-56.09	-36	-20.09	PASS
669.92	-61.39	9.75	-51.64	-36	-15.64	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)	
1423.93	-49.52	18.05	-31.47	-30	-1.47	PASS
2340.50	-64.41	15.75	-48.66	-30	-18.66	PASS
3022.08	-59.97	13.06	-46.91	-30	-16.91	PASS
4721.85	-68.87	12.52	-56.35	-30	-26.35	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)	
66.81	-76.89	3.91	-72.98	-36	-36.98	PASS
105.39	-68.97	6.95	-62.02	-36	-26.02	PASS
219.73	-68.84	9.27	-59.57	-36	-23.57	PASS
711.64	-71.58	9.75	-61.83	-36	-25.83	PASS

Remark:

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)	
1751.26	-60.16	18.05	-42.11	-30	-12.11	PASS
2526.45	-59.55	15.75	-43.80	-30	-13.80	PASS
3920.84	-53.7	13.06	-40.64	-30	-10.64	PASS
10669.63	-62.27	12.52	-49.75	-30	-19.75	PASS

Remark:

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)	
87.54	-77.08	3.91	-73.17	-36	-37.17	PASS
91.54	-65.14	6.95	-58.19	-36	-22.19	PASS
372.85	-59.54	9.27	-50.27	-36	-14.27	PASS
667.17	-67.29	9.75	-57.54	-36	-21.54	PASS

Remark:

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)	
1150.79	-68.23	18.05	-50.18	-30	-20.18	PASS
2685.01	-50.3	15.75	-34.55	-30	-4.55	PASS
3701.02	-51.41	13.06	-38.35	-30	-8.35	PASS
11525.18	-63.01	12.52	-50.49	-30	-20.49	PASS

Remark:

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)	
46.06	-69.62	3.91	-65.71	-36	-29.71	PASS
182.71	-75.81	6.95	-68.86	-36	-32.86	PASS
233.88	-61.15	9.27	-51.88	-36	-15.88	PASS
601.44	-64.53	9.75	-54.78	-36	-18.78	PASS

Remark:

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)	
1757.44	-62.78	18.05	-44.73	-30	-14.73	PASS
2381.82	-53.64	15.75	-37.89	-30	-7.89	PASS
3650.24	-62.68	13.06	-49.62	-30	-19.62	PASS
7588.03	-68.87	12.52	-56.35	-30	-26.35	PASS

Remark:

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)	
46.99	-72.83	3.91	-68.92	-36	-32.92	PASS
184.92	-75.94	6.95	-68.99	-36	-32.99	PASS
408.74	-78.09	9.27	-68.82	-36	-32.82	PASS
733.51	-66.20	9.75	-56.45	-36	-20.45	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)	
1642.67	-53.97	18.05	-35.92	-30	-5.92	PASS
2030.68	-50.93	15.75	-35.18	-30	-5.18	PASS
3844.26	-51.7	13.06	-38.64	-30	-8.64	PASS
11144.36	-66.88	12.52	-54.36	-30	-24.36	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)	
44.43	-77.29	3.91	-73.38	-36	-37.38	PASS
165.96	-76.85	6.95	-69.90	-36	-33.90	PASS
404.30	-62.01	9.27	-52.74	-36	-16.74	PASS
817.72	-78.21	9.75	-68.46	-36	-32.46	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)	
1570.52	-69.62	18.05	-51.57	-30	-21.57	PASS
2715.65	-57.47	15.75	-41.72	-30	-11.72	PASS
3327.65	-58.45	13.06	-45.39	-30	-15.39	PASS
6196.91	-69.31	12.52	-56.79	-30	-26.79	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)	
36.45	-74.18	3.91	-70.27	-36	-34.27	PASS
98.76	-73.20	6.95	-66.25	-36	-30.25	PASS
440.96	-71.08	9.27	-61.81	-36	-25.81	PASS
706.50	-74.08	9.75	-64.33	-36	-28.33	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)	
1185.98	-67.69	18.05	-49.64	-30	-19.64	PASS
2205.38	-54.31	15.75	-38.56	-30	-8.56	PASS
3645.51	-55.95	13.06	-42.89	-30	-12.89	PASS
6017.30	-56.39	12.52	-43.87	-30	-13.87	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)	
63.01	-79.51	3.91	-75.60	-36	-39.60	PASS
92.96	-65.48	6.95	-58.53	-36	-22.53	PASS
220.53	-74.94	9.27	-65.67	-36	-29.67	PASS
737.80	-63.16	9.75	-53.41	-36	-17.41	PASS

Remark:

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)	
1238.50	-56.87	18.05	-38.82	-30	-8.82	PASS
2961.28	-58.36	15.75	-42.61	-30	-12.61	PASS
3982.19	-55.11	13.06	-42.05	-30	-12.05	PASS
9457.01	-49.85	12.52	-37.33	-30	-7.33	PASS

Remark:

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)	
68.78	-77.15	3.91	-73.24	-36	-37.24	PASS
109.01	-62.48	6.95	-55.53	-36	-19.53	PASS
257.66	-69.72	9.27	-60.45	-36	-24.45	PASS
624.63	-77.32	9.75	-67.57	-36	-31.57	PASS

Remark:

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)	
1552.50	-59.49	18.05	-41.44	-30	-11.44	PASS
2928.20	-58.32	15.75	-42.57	-30	-12.57	PASS
3863.90	-55.02	13.06	-41.96	-30	-11.96	PASS
11031.68	-55.97	12.52	-43.45	-30	-13.45	PASS

Remark:

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)	
82.78	-74.69	3.91	-70.78	-36	-34.78	PASS
96.65	-59.98	6.95	-53.03	-36	-17.03	PASS
585.06	-72.89	9.27	-63.62	-36	-27.62	PASS
653.26	-75.16	9.75	-65.41	-36	-29.41	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)	
1236.84	-56.88	18.05	-38.83	-30	-8.83	PASS
2082.25	-60.95	15.75	-45.20	-30	-15.20	PASS
3805.24	-55.79	13.06	-42.73	-30	-12.73	PASS
10994.79	-66.14	12.52	-53.62	-30	-23.62	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)	
76.35	-75.20	3.91	-71.29	-36	-35.29	PASS
194.63	-65.99	6.95	-59.04	-36	-23.04	PASS
205.82	-77.35	9.27	-68.08	-36	-32.08	PASS
824.91	-74.94	9.75	-65.19	-36	-29.19	PASS

Remark:

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)	
1890.76	-66.46	18.05	-48.41	-30	-18.41	PASS
2279.99	-66.04	15.75	-50.29	-30	-20.29	PASS
3470.60	-56.49	13.06	-43.43	-30	-13.43	PASS
11292.97	-58.53	12.52	-46.01	-30	-16.01	PASS

Remark:

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)	
83.83	-65.61	3.91	-61.70	-36	-25.70	PASS
198.55	-59.13	6.95	-52.18	-36	-16.18	PASS
557.68	-77.16	9.27	-67.89	-36	-31.89	PASS
714.22	-68.54	9.75	-58.79	-36	-22.79	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)	
1807.49	-59.41	18.05	-41.36	-30	-11.36	PASS
2232.67	-69.94	15.75	-54.19	-30	-24.19	PASS
3628.91	-64.51	13.06	-51.45	-30	-21.45	PASS
8468.98	-53.92	12.52	-41.40	-30	-11.40	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)	
55.20	-72.77	3.91	-68.86	-36	-32.86	PASS
160.74	-76.91	6.95	-69.96	-36	-33.96	PASS
577.70	-79.25	9.27	-69.98	-36	-33.98	PASS
880.51	-78.00	9.75	-68.25	-36	-32.25	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)	
1257.62	-51.28	18.05	-33.23	-30	-3.23	PASS
2040.10	-65.53	15.75	-49.78	-30	-19.78	PASS
3650.25	-62.15	13.06	-49.09	-30	-19.09	PASS
7838.04	-62.97	12.52	-50.45	-30	-20.45	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)	
74.14	-59.59	3.91	-55.68	-36	-19.68	PASS
121.95	-56.37	6.95	-49.42	-36	-13.42	PASS
584.55	-57.51	9.27	-48.24	-36	-12.24	PASS
732.00	-53.30	9.75	-43.55	-36	-7.55	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)	
1301.94	-58.33	18.05	-40.28	-30	-10.28	PASS
2965.01	-50.31	15.75	-34.56	-30	-4.56	PASS
3859.32	-52.64	13.06	-39.58	-30	-9.58	PASS
8417.62	-55.83	12.52	-43.31	-30	-13.31	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)	
75.14	-52.40	3.91	-48.49	-36	-12.49	PASS
111.40	-59.11	6.95	-52.16	-36	-16.16	PASS
346.37	-57.24	9.27	-47.97	-36	-11.97	PASS
723.51	-56.77	9.75	-47.02	-36	-11.02	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)	
1397.44	-55.35	18.05	-37.30	-30	-7.30	PASS
2670.20	-56.17	15.75	-40.42	-30	-10.42	PASS
3895.64	-58.94	13.06	-45.88	-30	-15.88	PASS
4564.78	-50.46	12.52	-37.94	-30	-7.94	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)	
90.40	-52.73	3.91	-48.82	-36	-12.82	PASS
181.51	-52.70	6.95	-45.75	-36	-9.75	PASS
395.23	-50.03	9.27	-40.76	-36	-4.76	PASS
811.46	-57.41	9.75	-47.66	-36	-11.66	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)	
1067.69	-49.81	18.05	-31.76	-30	-1.76	PASS
2292.65	-51.41	15.75	-35.66	-30	-5.66	PASS
3439.71	-53.49	13.06	-40.43	-30	-10.43	PASS
7275.06	-52.37	12.52	-39.85	-30	-9.85	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)	
46.41	-58.59	3.91	-54.68	-36	-18.68	PASS
161.07	-49.98	6.95	-43.03	-36	-7.03	PASS
536.16	-58.76	9.27	-49.49	-36	-13.49	PASS
611.58	-49.04	9.75	-39.29	-36	-3.29	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)	
1625.54	-59.96	18.05	-41.91	-30	-11.91	PASS
2249.46	-57.20	15.75	-41.45	-30	-11.45	PASS
3600.19	-50.84	13.06	-37.78	-30	-7.78	PASS
8146.96	-53.48	12.52	-40.96	-30	-10.96	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)	
70.13	-55.65	3.91	-51.74	-36	-15.74	PASS
186.19	-56.55	6.95	-49.60	-36	-13.60	PASS
428.85	-55.18	9.27	-45.91	-36	-9.91	PASS
702.06	-59.79	9.75	-50.04	-36	-14.04	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)	
1137.78	-52.70	18.05	-34.65	-30	-4.65	PASS
2853.24	-57.10	15.75	-41.35	-30	-11.35	PASS
3978.58	-54.06	13.06	-41.00	-30	-11.00	PASS
4846.52	-49.18	12.52	-36.66	-30	-6.66	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)	
78.11	-51.14	3.91	-47.23	-36	-11.23	PASS
130.62	-51.82	6.95	-44.87	-36	-8.87	PASS
461.00	-50.26	9.27	-40.99	-36	-4.99	PASS
863.30	-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 V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1005.21	-52.17	18.05	-34.12	-30	-4.12	PASS
2861.20	-59.48	15.75	-43.73	-30	-13.73	PASS
3437.85	-59.40	13.06	-46.34	-30	-16.34	PASS
6056.58	-51.84	12.52	-39.32	-30	-9.32	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)	
79.94	-66.24	3.91	-62.33	-36	-26.33	PASS
157.69	-75.55	6.95	-68.60	-36	-32.60	PASS
331.48	-78.62	9.27	-69.35	-36	-33.35	PASS
879.44	-60.89	9.75	-51.14	-36	-15.14	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)	
1032.69	-54.81	18.05	-36.76	-30	-6.76	PASS
2030.46	-56.24	15.75	-40.49	-30	-10.49	PASS
3648.84	-62.53	13.06	-49.47	-30	-19.47	PASS
10527.21	-61.36	12.52	-48.84	-30	-18.84	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)	
75.14	-79.73	3.91	-75.82	-36	-39.82	PASS
143.60	-78.13	6.95	-71.18	-36	-35.18	PASS
596.30	-63.59	9.27	-54.32	-36	-18.32	PASS
756.59	-77.44	9.75	-67.69	-36	-31.69	PASS

Remark:

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)	
1323.25	-61.52	18.05	-43.47	-30	-13.47	PASS
2926.01	-49.28	15.75	-33.53	-30	-3.53	PASS
3041.13	-52.44	13.06	-39.38	-30	-9.38	PASS
11286.26	-50.6	12.52	-38.08	-30	-8.08	PASS

Remark:

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)	
62.56	-64.30	3.91	-60.39	-36	-24.39	PASS
115.59	-67.84	6.95	-60.89	-36	-24.89	PASS
483.47	-72.52	9.27	-63.25	-36	-27.25	PASS
619.05	-76.22	9.75	-66.47	-36	-30.47	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)	
1549.66	-56.39	18.05	-38.34	-30	-8.34	PASS
2354.95	-57.42	15.75	-41.67	-30	-11.67	PASS
3272.83	-55.98	13.06	-42.92	-30	-12.92	PASS
10637.39	-65.08	12.52	-52.56	-30	-22.56	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)	
84.22	-61.51	3.91	-57.60	-36	-21.60	PASS
160.42	-62.33	6.95	-55.38	-36	-19.38	PASS
492.99	-64.59	9.27	-55.32	-36	-19.32	PASS
664.53	-68.41	9.75	-58.66	-36	-22.66	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)	
1250.06	-60.33	18.05	-42.28	-30	-12.28	PASS
2775.98	-62.66	15.75	-46.91	-30	-16.91	PASS
3432.18	-62.66	13.06	-49.60	-30	-19.60	PASS
4405.78	-50.36	12.52	-37.84	-30	-7.84	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)	
50.63	-60.15	3.91	-56.24	-36	-20.24	PASS
135.03	-75.41	6.95	-68.46	-36	-32.46	PASS
230.91	-62.98	9.27	-53.71	-36	-17.71	PASS
878.49	-77.97	9.75	-68.22	-36	-32.22	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)	
1743.77	-65.85	18.05	-47.80	-30	-17.80	PASS
2347.44	-52.24	15.75	-36.49	-30	-6.49	PASS
3473.38	-51.04	13.06	-37.98	-30	-7.98	PASS
5219.97	-67.13	12.52	-54.61	-30	-24.61	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)	
38.85	-79.35	3.91	-75.44	-36	-39.44	PASS
92.57	-73.75	6.95	-66.80	-36	-30.80	PASS
572.85	-77.72	9.27	-68.45	-36	-32.45	PASS
821.76	-69.41	9.75	-59.66	-36	-23.66	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)	
1418.50	-56.01	18.05	-37.96	-30	-7.96	PASS
2206.32	-54.76	15.75	-39.01	-30	-9.01	PASS
3417.47	-63.14	13.06	-50.08	-30	-20.08	PASS
4571.73	-61.37	12.52	-48.85	-30	-18.85	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)	
77.73	-62.45	3.91	-58.54	-36	-22.54	PASS
175.86	-69.32	6.95	-62.37	-36	-26.37	PASS
542.29	-73.70	9.27	-64.43	-36	-28.43	PASS
860.44	-65.51	9.75	-55.76	-36	-19.76	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)	
1195.79	-69.8	18.05	-51.75	-30	-21.75	PASS
2586.02	-60.33	15.75	-44.58	-30	-14.58	PASS
3845.26	-56.84	13.06	-43.78	-30	-13.78	PASS
4277.39	-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 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
85.39	-64.61	3.91	-60.70	-36	-24.70	PASS
188.32	-68.58	6.95	-61.63	-36	-25.63	PASS
525.10	-59.16	9.27	-49.89	-36	-13.89	PASS
694.94	-67.66	9.75	-57.91	-36	-21.91	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)	
1463.99	-49.05	18.05	-31.00	-30	-1.00	PASS
2991.21	-58.17	15.75	-42.42	-30	-12.42	PASS
3657.27	-59.09	13.06	-46.03	-30	-16.03	PASS
10833.58	-50.15	12.52	-37.63	-30	-7.63	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)	
82.53	-78.48	3.91	-74.57	-36	-38.57	PASS
110.93	-78.48	6.95	-71.53	-36	-35.53	PASS
292.81	-70.50	9.27	-61.23	-36	-25.23	PASS
880.84	-77.50	9.75	-67.75	-36	-31.75	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)	
1137.61	-58.58	18.05	-40.53	-30	-10.53	PASS
2197.35	-64.64	15.75	-48.89	-30	-18.89	PASS
3786.85	-64.23	13.06	-51.17	-30	-21.17	PASS
5079.72	-60.93	12.52	-48.41	-30	-18.41	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)	
33.90	-74.97	3.91	-71.06	-36	-35.06	PASS
91.47	-64.53	6.95	-57.58	-36	-21.58	PASS
289.66	-65.22	9.27	-55.95	-36	-19.95	PASS
815.05	-59.46	9.75	-49.71	-36	-13.71	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)	
1396.95	-52.95	18.05	-34.90	-30	-4.90	PASS
2989.69	-60.59	15.75	-44.84	-30	-14.84	PASS
3795.38	-56	13.06	-42.94	-30	-12.94	PASS
7661.15	-69.45	12.52	-56.93	-30	-26.93	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)	
75.85	-77.77	3.91	-73.86	-36	-37.86	PASS
186.62	-74.22	6.95	-67.27	-36	-31.27	PASS
497.75	-65.31	9.27	-56.04	-36	-20.04	PASS
763.91	-78.50	9.75	-68.75	-36	-32.75	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)	
1278.08	-69.84	18.05	-51.79	-30	-21.79	PASS
2740.28	-66.34	15.75	-50.59	-30	-20.59	PASS
3100.50	-65.01	13.06	-51.95	-30	-21.95	PASS
5364.60	-54.19	12.52	-41.67	-30	-11.67	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)	
80.80	-62.96	3.91	-59.05	-36	-23.05	PASS
180.60	-74.85	6.95	-67.90	-36	-31.90	PASS
599.52	-68.77	9.27	-59.50	-36	-23.50	PASS
882.17	-70.55	9.75	-60.80	-36	-24.80	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)	
1654.48	-52.79	18.05	-34.74	-30	-4.74	PASS
2038.18	-66.74	15.75	-50.99	-30	-20.99	PASS
3457.87	-54.9	13.06	-41.84	-30	-11.84	PASS
4670.57	-52.86	12.52	-40.34	-30	-10.34	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)	
54.31	-70.80	3.91	-66.89	-36	-30.89	PASS
91.94	-78.11	6.95	-71.16	-36	-35.16	PASS
420.76	-75.43	9.27	-66.16	-36	-30.16	PASS
626.49	-66.74	9.75	-56.99	-36	-20.99	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)	
1348.51	-51.04	18.05	-32.99	-30	-2.99	PASS
2357.94	-61.82	15.75	-46.07	-30	-16.07	PASS
3620.31	-67.17	13.06	-54.11	-30	-24.11	PASS
4695.49	-53.12	12.52	-40.60	-30	-10.60	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)	
89.84	-69.49	3.91	-65.58	-36	-29.58	PASS
147.10	-60.24	6.95	-53.29	-36	-17.29	PASS
392.66	-71.39	9.27	-62.12	-36	-26.12	PASS
704.82	-79.01	9.75	-69.26	-36	-33.26	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)	
1770.14	-58.5	18.05	-40.45	-30	-10.45	PASS
2790.59	-56.3	15.75	-40.55	-30	-10.55	PASS
3635.37	-55.13	13.06	-42.07	-30	-12.07	PASS
9091.67	-50.17	12.52	-37.65	-30	-7.65	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)	
36.19	-71.68	3.91	-67.77	-36	-31.77	PASS
150.55	-61.28	6.95	-54.33	-36	-18.33	PASS
578.37	-70.02	9.27	-60.75	-36	-24.75	PASS
759.03	-66.46	9.75	-56.71	-36	-20.71	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)	
1100.55	-66.42	18.05	-48.37	-30	-18.37	PASS
2055.41	-64.89	15.75	-49.14	-30	-19.14	PASS
3057.63	-59.52	13.06	-46.46	-30	-16.46	PASS
11060.37	-54.36	12.52	-41.84	-30	-11.84	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)	
46.76	-66.84	3.91	-62.93	-36	-26.93	PASS
195.55	-73.50	6.95	-66.55	-36	-30.55	PASS
525.44	-68.52	9.27	-59.25	-36	-23.25	PASS
760.48	-78.78	9.75	-69.03	-36	-33.03	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)	
1507.43	-68.52	18.05	-50.47	-30	-20.47	PASS
2225.24	-66.27	15.75	-50.52	-30	-20.52	PASS
3727.85	-54.36	13.06	-41.30	-30	-11.30	PASS
8957.22	-50.46	12.52	-37.94	-30	-7.94	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)	
90.17	-60.94	3.91	-57.03	-36	-21.03	PASS
186.17	-76.50	6.95	-69.55	-36	-33.55	PASS
564.57	-72.99	9.27	-63.72	-36	-27.72	PASS
663.03	-77.86	9.75	-68.11	-36	-32.11	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)	
1221.15	-61.46	18.05	-43.41	-30	-13.41	PASS
2897.84	-69.68	15.75	-53.93	-30	-23.93	PASS
3682.72	-57.65	13.06	-44.59	-30	-14.59	PASS
6631.41	-54.07	12.52	-41.55	-30	-11.55	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)	
50.52	-76.95	3.91	-73.04	-36	-37.04	PASS
169.13	-70.82	6.95	-63.87	-36	-27.87	PASS
232.40	-63.19	9.27	-53.92	-36	-17.92	PASS
744.71	-60.20	9.75	-50.45	-36	-14.45	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)	
1572.69	-62.46	18.05	-44.41	-30	-14.41	PASS
2181.10	-50.68	15.75	-34.93	-30	-4.93	PASS
3397.23	-61.32	13.06	-48.26	-30	-18.26	PASS
7264.60	-54.23	12.52	-41.71	-30	-11.71	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)	
34.62	-66.78	3.91	-62.87	-36	-26.87	PASS
100.90	-78.09	6.95	-71.14	-36	-35.14	PASS
384.04	-60.72	9.27	-51.45	-36	-15.45	PASS
854.83	-75.85	9.75	-66.10	-36	-30.10	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)	
1802.04	-65.49	18.05	-47.44	-30	-17.44	PASS
2566.24	-55.06	15.75	-39.31	-30	-9.31	PASS
3743.96	-50.81	13.06	-37.75	-30	-7.75	PASS
7475.20	-49.83	12.52	-37.31	-30	-7.31	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)	
58.71	-75.51	3.91	-71.60	-36	-35.60	PASS
107.76	-72.02	6.95	-65.07	-36	-29.07	PASS
555.49	-73.08	9.27	-63.81	-36	-27.81	PASS
760.82	-63.12	9.75	-53.37	-36	-17.37	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)	
1093.58	-53.97	18.05	-35.92	-30	-5.92	PASS
2935.28	-55.35	15.75	-39.60	-30	-9.60	PASS
3851.59	-52.12	13.06	-39.06	-30	-9.06	PASS
9882.30	-50.08	12.52	-37.56	-30	-7.56	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)	
82.66	-72.85	3.91	-68.94	-36	-32.94	PASS
178.89	-66.39	6.95	-59.44	-36	-23.44	PASS
430.36	-72.75	9.27	-63.48	-36	-27.48	PASS
664.92	-59.95	9.75	-50.20	-36	-14.20	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)	
1434.56	-66.26	18.05	-48.21	-30	-18.21	PASS
2451.95	-67.81	15.75	-52.06	-30	-22.06	PASS
3943.99	-69.51	13.06	-56.45	-30	-26.45	PASS
10574.79	-54.28	12.52	-41.76	-30	-11.76	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)	
88.36	-66.37	3.91	-62.46	-36	-26.46	PASS
161.32	-63.59	6.95	-56.64	-36	-20.64	PASS
212.41	-77.61	9.27	-68.34	-36	-32.34	PASS
708.29	-64.98	9.75	-55.23	-36	-19.23	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)	
1851.32	-60.47	18.05	-42.42	-30	-12.42	PASS
2923.43	-56.83	15.75	-41.08	-30	-11.08	PASS
3327.06	-65.81	13.06	-52.75	-30	-22.75	PASS
4126.06	-64.45	12.52	-51.93	-30	-21.93	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)	
60.79	-66.36	3.91	-62.45	-36	-26.45	PASS
137.40	-77.05	6.95	-70.10	-36	-34.10	PASS
258.11	-72.38	9.27	-63.11	-36	-27.11	PASS
699.78	-71.02	9.75	-61.27	-36	-25.27	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)	
1607.49	-54.35	18.05	-36.30	-30	-6.30	PASS
2472.94	-65.49	15.75	-49.74	-30	-19.74	PASS
3369.70	-52.96	13.06	-39.90	-30	-9.90	PASS
4663.36	-65.44	12.52	-52.92	-30	-22.92	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)	
36.46	-67.45	3.91	-63.54	-36	-27.54	PASS
96.48	-78.03	6.95	-71.08	-36	-35.08	PASS
249.42	-70.88	9.27	-61.61	-36	-25.61	PASS
782.53	-68.70	9.75	-58.95	-36	-22.95	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)	
1595.93	-63.08	18.05	-45.03	-30	-15.03	PASS
2339.02	-64.17	15.75	-48.42	-30	-18.42	PASS
3553.65	-67.46	13.06	-54.40	-30	-24.40	PASS
6457.42	-58.57	12.52	-46.05	-30	-16.05	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)	
85.32	-63.65	3.91	-59.74	-36	-23.74	PASS
190.01	-60.67	6.95	-53.72	-36	-17.72	PASS
318.02	-77.87	9.27	-68.60	-36	-32.60	PASS
602.73	-64.95	9.75	-55.20	-36	-19.20	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)	
1705.87	-63.87	18.05	-45.82	-30	-15.82	PASS
2449.37	-63.52	15.75	-47.77	-30	-17.77	PASS
3954.14	-63.92	13.06	-50.86	-30	-20.86	PASS
10519.34	-57.18	12.52	-44.66	-30	-14.66	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)	
71.54	-73.46	3.91	-69.55	-36	-33.55	PASS
94.62	-76.53	6.95	-69.58	-36	-33.58	PASS
539.30	-71.75	9.27	-62.48	-36	-26.48	PASS
625.75	-60.94	9.75	-51.19	-36	-15.19	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)	
1343.43	-52.27	18.05	-34.22	-30	-4.22	PASS
2622.03	-67.47	15.75	-51.72	-30	-21.72	PASS
3811.89	-67.64	13.06	-54.58	-30	-24.58	PASS
8987.20	-56.33	12.52	-43.81	-30	-13.81	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)	
90.37	-79.00	3.91	-75.09	-36	-39.09	PASS
158.55	-73.54	6.95	-66.59	-36	-30.59	PASS
312.50	-67.28	9.27	-58.01	-36	-22.01	PASS
678.05	-63.53	9.75	-53.78	-36	-17.78	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)	
1750.71	-67.96	18.05	-49.91	-30	-19.91	PASS
2752.67	-68.14	15.75	-52.39	-30	-22.39	PASS
3445.41	-52.02	13.06	-38.96	-30	-8.96	PASS
5133.09	-55.59	12.52	-43.07	-30	-13.07	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)	
71.52	-63.41	3.91	-59.50	-36	-23.50	PASS
147.41	-72.58	6.95	-65.63	-36	-29.63	PASS
399.78	-76.15	9.27	-66.88	-36	-30.88	PASS
770.33	-70.13	9.75	-60.38	-36	-24.38	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)	
1938.09	-56.06	18.05	-38.01	-30	-8.01	PASS
2254.79	-55.41	15.75	-39.66	-30	-9.66	PASS
3505.02	-57.95	13.06	-44.89	-30	-14.89	PASS
4989.11	-59.1	12.52	-46.58	-30	-16.58	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)	
85.41	-74.40	3.91	-70.49	-36	-34.49	PASS
144.25	-70.82	6.95	-63.87	-36	-27.87	PASS
486.30	-60.78	9.27	-51.51	-36	-15.51	PASS
726.33	-62.43	9.75	-52.68	-36	-16.68	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)	
1250.40	-56.74	18.05	-38.69	-30	-8.69	PASS
2239.21	-68.98	15.75	-53.23	-30	-23.23	PASS
3418.70	-54.73	13.06	-41.67	-30	-11.67	PASS
6175.60	-65.43	12.52	-52.91	-30	-22.91	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)	
84.76	-76.54	3.91	-72.63	-36	-36.63	PASS
167.87	-60.65	6.95	-53.70	-36	-17.70	PASS
373.21	-66.95	9.27	-57.68	-36	-21.68	PASS
883.68	-63.02	9.75	-53.27	-36	-17.27	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)	
1782.79	-52.53	18.05	-34.48	-30	-4.48	PASS
2803.49	-64.02	15.75	-48.27	-30	-18.27	PASS
3989.08	-56.13	13.06	-43.07	-30	-13.07	PASS
4514.46	-69.26	12.52	-56.74	-30	-26.74	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)	
58.83	H	-76.25	8.07	-68.18	-57	-11.18	PASS
167.88	H	-70.02	7.62	-62.40	-57	-5.40	PASS
371.02	H	-81.28	5.62	-75.66	-57	-18.66	PASS
853.50	H	-80.70	8.80	-71.90	-57	-14.90	PASS
67.37	V	-74.84	2.77	-72.07	-57	-15.07	PASS
182.72	V	-83.65	7.04	-76.61	-57	-19.61	PASS
408.39	V	-81.49	5.42	-76.07	-57	-19.07	PASS
711.94	V	-83.40	4.44	-78.96	-57	-21.96	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)	
1902.18	V	-65.88	8.92	-56.96	-47	-9.96	PASS
2102.87	V	-71.43	14.79	-56.64	-47	-9.64	PASS
3229.32	V	-65.00	11.97	-53.03	-47	-6.03	PASS
7640.96	V	-78.78	14.58	-64.20	-47	-17.20	PASS
1112.16	H	-69.59	11.13	-58.46	-47	-11.46	PASS
2658.08	H	-66.80	8.20	-58.60	-47	-11.60	PASS
3087.28	H	-70.59	11.93	-58.66	-47	-11.66	PASS
5364.19	H	-66.97	14.12	-52.85	-47	-5.85	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)	
32.33	H	-89.72	8.07	-81.65	-57	-24.65	PASS
155.40	H	-86.37	7.62	-78.75	-57	-21.75	PASS
403.02	H	-73.09	5.62	-67.47	-57	-10.47	PASS
737.24	H	-86.13	8.80	-77.33	-57	-20.33	PASS
67.74	V	-82.53	2.77	-79.76	-57	-22.76	PASS
94.84	V	-88.71	7.04	-81.67	-57	-24.67	PASS
280.89	V	-83.61	5.42	-78.19	-57	-21.19	PASS
655.75	V	-74.38	4.44	-69.94	-57	-12.94	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)	
1065.99	V	-77.53	8.92	-68.61	-47	-21.61	PASS
2044.74	V	-71.00	14.79	-56.21	-47	-9.21	PASS
3595.44	V	-64.45	11.97	-52.48	-47	-5.48	PASS
6652.04	V	-67.28	14.58	-52.70	-47	-5.70	PASS
1531.08	H	-68.49	11.13	-57.36	-47	-10.36	PASS
2824.83	H	-76.44	8.20	-68.24	-47	-21.24	PASS
3984.59	H	-66.47	11.93	-54.54	-47	-7.54	PASS
5112.66	H	-65.55	14.12	-51.43	-47	-4.43	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)	
47.12	H	-75.40	8.07	-67.33	-57	-10.33	PASS
131.56	H	-82.44	7.62	-74.82	-57	-17.82	PASS
361.37	H	-81.93	5.62	-76.31	-57	-19.31	PASS
739.16	H	-69.61	8.80	-60.81	-57	-3.81	PASS
55.86	V	-86.22	2.77	-83.45	-57	-26.45	PASS
132.63	V	-83.96	7.04	-76.92	-57	-19.92	PASS
508.77	V	-78.43	5.42	-73.01	-57	-16.01	PASS
688.26	V	-77.27	4.44	-72.83	-57	-15.83	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)	
1886.76	V	-70.24	8.92	-61.32	-47	-14.32	PASS
2981.53	V	-70.58	14.79	-55.79	-47	-8.79	PASS
3380.67	V	-72.39	11.97	-60.42	-47	-13.42	PASS
11353.56	V	-67.32	14.58	-52.74	-47	-5.74	PASS
1149.40	H	-76.87	11.13	-65.74	-47	-18.74	PASS
2281.61	H	-76.33	8.20	-68.13	-47	-21.13	PASS
3150.42	H	-67.31	11.93	-55.38	-47	-8.38	PASS
5896.32	H	-68.22	14.12	-54.10	-47	-7.10	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)	
36.78	H	-77.91	8.07	-69.84	-57	-12.84	PASS
150.15	H	-88.13	7.62	-80.51	-57	-23.51	PASS
473.08	H	-69.85	5.62	-64.23	-57	-7.23	PASS
722.16	H	-73.23	8.80	-64.43	-57	-7.43	PASS
86.50	V	-73.79	2.77	-71.02	-57	-14.02	PASS
114.42	V	-81.64	7.04	-74.60	-57	-17.60	PASS
288.88	V	-77.32	5.42	-71.90	-57	-14.90	PASS
884.94	V	-88.14	4.44	-83.70	-57	-26.70	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)	
1627.55	V	-72.98	8.92	-64.06	-47	-17.06	PASS
2188.46	V	-70.77	14.79	-55.98	-47	-8.98	PASS
3873.88	V	-71.60	11.97	-59.63	-47	-12.63	PASS
9532.48	V	-69.93	14.58	-55.35	-47	-8.35	PASS
1597.30	H	-75.09	11.13	-63.96	-47	-16.96	PASS
2344.38	H	-75.48	8.20	-67.28	-47	-20.28	PASS
3915.00	H	-69.83	11.93	-57.90	-47	-10.90	PASS
6898.38	H	-73.78	14.12	-59.66	-47	-12.66	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)	
48.51	H	-72.07	8.07	-64.00	-57	-7.00	PASS
143.50	H	-79.02	7.62	-71.40	-57	-14.40	PASS
550.20	H	-78.26	5.62	-72.64	-57	-15.64	PASS
871.60	H	-70.71	8.80	-61.91	-57	-4.91	PASS
61.57	V	-79.40	2.77	-76.63	-57	-19.63	PASS
139.37	V	-70.61	7.04	-63.57	-57	-6.57	PASS
568.02	V	-75.80	5.42	-70.38	-57	-13.38	PASS
718.89	V	-73.02	4.44	-68.58	-57	-11.58	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)	
1694.69	V	-77.15	8.92	-68.23	-47	-21.23	PASS
2070.44	V	-74.87	14.79	-60.08	-47	-13.08	PASS
3728.43	V	-76.27	11.97	-64.30	-47	-17.30	PASS
6081.53	V	-77.98	14.58	-63.40	-47	-16.40	PASS
1804.30	H	-64.45	11.13	-53.32	-47	-6.32	PASS
2320.38	H	-66.67	8.20	-58.47	-47	-11.47	PASS
3717.87	H	-79.05	11.93	-67.12	-47	-20.12	PASS
9075.02	H	-68.10	14.12	-53.98	-47	-6.98	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)	
50.84	H	-72.44	8.07	-64.37	-57	-7.37	PASS
105.81	H	-84.43	7.62	-76.81	-57	-19.81	PASS
231.88	H	-87.98	5.62	-82.36	-57	-25.36	PASS
825.26	H	-80.99	8.80	-72.19	-57	-15.19	PASS
44.48	V	-81.32	2.77	-78.55	-57	-21.55	PASS
163.41	V	-85.91	7.04	-78.87	-57	-21.87	PASS
574.93	V	-84.14	5.42	-78.72	-57	-21.72	PASS
644.50	V	-78.33	4.44	-73.89	-57	-16.89	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)	
1812.83	V	-77.27	8.92	-68.35	-47	-21.35	PASS
2824.41	V	-71.48	14.79	-56.69	-47	-9.69	PASS
3608.37	V	-67.36	11.97	-55.39	-47	-8.39	PASS
5025.60	V	-74.91	14.58	-60.33	-47	-13.33	PASS
1488.02	H	-65.24	11.13	-54.11	-47	-7.11	PASS
2497.02	H	-70.99	8.20	-62.79	-47	-15.79	PASS
3736.97	H	-64.56	11.93	-52.63	-47	-5.63	PASS
11002.96	H	-73.19	14.12	-59.07	-47	-12.07	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)	
55.97	H	-77.45	8.07	-69.38	-57	-12.38	PASS
131.07	H	-79.06	7.62	-71.44	-57	-14.44	PASS
232.59	H	-74.06	5.62	-68.44	-57	-11.44	PASS
647.38	H	-74.58	8.80	-65.78	-57	-8.78	PASS
47.47	V	-70.08	2.77	-67.31	-57	-10.31	PASS
93.68	V	-76.96	7.04	-69.92	-57	-12.92	PASS
302.52	V	-73.65	5.42	-68.23	-57	-11.23	PASS
819.86	V	-71.58	4.44	-67.14	-57	-10.14	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)	
1758.54	V	-64.43	8.92	-55.51	-47	-8.51	PASS
2139.32	V	-69.39	14.79	-54.60	-47	-7.60	PASS
3265.11	V	-69.21	11.97	-57.24	-47	-10.24	PASS
4997.59	V	-64.50	14.58	-49.92	-47	-2.92	PASS
1342.80	H	-67.65	11.13	-56.52	-47	-9.52	PASS
2997.15	H	-69.30	8.20	-61.10	-47	-14.10	PASS
3470.61	H	-68.60	11.93	-56.67	-47	-9.67	PASS
11547.82	H	-65.22	14.12	-51.10	-47	-4.10	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)	
65.12	H	-71.59	8.07	-63.52	-57	-6.52	PASS
175.40	H	-69.41	7.62	-61.79	-57	-4.79	PASS
321.77	H	-72.10	5.62	-66.48	-57	-9.48	PASS
753.84	H	-74.23	8.80	-65.43	-57	-8.43	PASS
53.52	V	-72.17	2.77	-69.40	-57	-12.40	PASS
163.25	V	-74.36	7.04	-67.32	-57	-10.32	PASS
481.15	V	-75.70	5.42	-70.28	-57	-13.28	PASS
724.36	V	-77.46	4.44	-73.02	-57	-16.02	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)	
1430.33	V	-67.73	8.92	-58.81	-47	-11.81	PASS
2971.18	V	-64.47	14.79	-49.68	-47	-2.68	PASS
3123.29	V	-67.47	11.97	-55.50	-47	-8.50	PASS
5111.55	V	-65.49	14.58	-50.91	-47	-3.91	PASS
1521.98	H	-66.51	11.13	-55.38	-47	-8.38	PASS
2909.34	H	-66.02	8.20	-57.82	-47	-10.82	PASS
3940.93	H	-68.58	11.93	-56.65	-47	-9.65	PASS
10468.41	H	-65.08	14.12	-50.96	-47	-3.96	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)	
83.93	H	-77.96	8.07	-69.89	-57	-12.89	PASS
122.21	H	-74.09	7.62	-66.47	-57	-9.47	PASS
256.92	H	-75.15	5.62	-69.53	-57	-12.53	PASS
726.60	H	-72.18	8.80	-63.38	-57	-6.38	PASS
37.96	V	-78.69	2.77	-75.92	-57	-18.92	PASS
134.97	V	-69.52	7.04	-62.48	-57	-5.48	PASS
234.50	V	-74.18	5.42	-68.76	-57	-11.76	PASS
637.82	V	-75.64	4.44	-71.20	-57	-14.20	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)	
1109.62	V	-67.70	8.92	-58.78	-47	-11.78	PASS
2857.47	V	-66.14	14.79	-51.35	-47	-4.35	PASS
3947.02	V	-64.60	11.97	-52.63	-47	-5.63	PASS
5047.98	V	-66.52	14.58	-51.94	-47	-4.94	PASS
1539.65	H	-68.72	11.13	-57.59	-47	-10.59	PASS
2744.81	H	-65.86	8.20	-57.66	-47	-10.66	PASS
3332.63	H	-68.64	11.93	-56.71	-47	-9.71	PASS
11591.32	H	-64.58	14.12	-50.46	-47	-3.46	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)	
60.11	H	-85.97	8.07	-77.90	-57	-20.90	PASS
145.29	H	-77.16	7.62	-69.54	-57	-12.54	PASS
556.67	H	-72.64	5.62	-67.02	-57	-10.02	PASS
860.95	H	-86.51	8.80	-77.71	-57	-20.71	PASS
33.28	V	-70.71	2.77	-67.94	-57	-10.94	PASS
190.71	V	-77.79	7.04	-70.75	-57	-13.75	PASS
588.16	V	-77.44	5.42	-72.02	-57	-15.02	PASS
875.82	V	-69.68	4.44	-65.24	-57	-8.24	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)	
1732.45	V	-79.56	8.92	-70.64	-47	-23.64	PASS
2229.26	V	-73.95	14.79	-59.16	-47	-12.16	PASS
3541.33	V	-68.43	11.97	-56.46	-47	-9.46	PASS
10197.04	V	-69.91	14.58	-55.33	-47	-8.33	PASS
1697.63	H	-78.30	11.13	-67.17	-47	-20.17	PASS
2685.47	H	-78.90	8.20	-70.70	-47	-23.70	PASS
3987.87	H	-79.88	11.93	-67.95	-47	-20.95	PASS
4654.91	H	-77.03	14.12	-62.91	-47	-15.91	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)	
35.43	H	-82.38	8.07	-74.31	-57	-17.31	PASS
198.53	H	-72.53	7.62	-64.91	-57	-7.91	PASS
234.02	H	-76.51	5.62	-70.89	-57	-13.89	PASS
786.20	H	-75.73	8.80	-66.93	-57	-9.93	PASS
51.87	V	-72.77	2.77	-70.00	-57	-13.00	PASS
148.78	V	-78.98	7.04	-71.94	-57	-14.94	PASS
374.54	V	-86.91	5.42	-81.49	-57	-24.49	PASS
755.47	V	-83.22	4.44	-78.78	-57	-21.78	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)	
1453.40	V	-78.36	8.92	-69.44	-47	-22.44	PASS
2146.19	V	-79.89	14.79	-65.10	-47	-18.10	PASS
3837.06	V	-72.81	11.97	-60.84	-47	-13.84	PASS
4596.18	V	-68.60	14.58	-54.02	-47	-7.02	PASS
1252.64	H	-65.40	11.13	-54.27	-47	-7.27	PASS
2690.72	H	-79.94	8.20	-71.74	-47	-24.74	PASS
3646.08	H	-64.42	11.93	-52.49	-47	-5.49	PASS
8457.59	H	-78.19	14.12	-64.07	-47	-17.07	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)	
69.15	H	-82.11	8.07	-74.04	-57	-17.04	PASS
182.72	H	-73.94	7.62	-66.32	-57	-9.32	PASS
262.42	H	-72.25	5.62	-66.63	-57	-9.63	PASS
766.78	H	-79.71	8.80	-70.91	-57	-13.91	PASS
48.17	V	-78.81	2.77	-76.04	-57	-19.04	PASS
163.19	V	-70.66	7.04	-63.62	-57	-6.62	PASS
356.18	V	-72.00	5.42	-66.58	-57	-9.58	PASS
602.63	V	-86.16	4.44	-81.72	-57	-24.72	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)	
1190.94	V	-73.19	8.92	-64.27	-47	-17.27	PASS
2401.69	V	-71.13	14.79	-56.34	-47	-9.34	PASS
3273.32	V	-72.73	11.97	-60.76	-47	-13.76	PASS
8360.18	V	-76.15	14.58	-61.57	-47	-14.57	PASS
1838.16	H	-68.34	11.13	-57.21	-47	-10.21	PASS
2700.80	H	-77.09	8.20	-68.89	-47	-21.89	PASS
3031.30	H	-75.27	11.93	-63.34	-47	-16.34	PASS
11672.32	H	-72.85	14.12	-58.73	-47	-11.73	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)	
86.86	H	-84.69	8.07	-76.62	-57	-19.62	PASS
107.20	H	-81.56	7.62	-73.94	-57	-16.94	PASS
204.48	H	-89.57	5.62	-83.95	-57	-26.95	PASS
744.69	H	-87.59	8.80	-78.79	-57	-21.79	PASS
45.56	V	-74.02	2.77	-71.25	-57	-14.25	PASS
167.29	V	-84.31	7.04	-77.27	-57	-20.27	PASS
538.29	V	-83.67	5.42	-78.25	-57	-21.25	PASS
763.69	V	-80.24	4.44	-75.80	-57	-18.80	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)	
1199.94	V	-70.79	8.92	-61.87	-47	-14.87	PASS
2810.30	V	-79.04	14.79	-64.25	-47	-17.25	PASS
3088.15	V	-68.35	11.97	-56.38	-47	-9.38	PASS
10065.25	V	-76.96	14.58	-62.38	-47	-15.38	PASS
1085.80	H	-65.00	11.13	-53.87	-47	-6.87	PASS
2751.74	H	-69.94	8.20	-61.74	-47	-14.74	PASS
3020.90	H	-78.20	11.93	-66.27	-47	-19.27	PASS
7309.88	H	-77.65	14.12	-63.53	-47	-16.53	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)	
33.33	H	-85.90	8.07	-77.83	-57	-20.83	PASS
145.18	H	-87.49	7.62	-79.87	-57	-22.87	PASS
531.11	H	-78.22	5.62	-72.60	-57	-15.60	PASS
890.21	H	-79.36	8.80	-70.56	-57	-13.56	PASS
40.14	V	-73.59	2.77	-70.82	-57	-13.82	PASS
193.45	V	-83.68	7.04	-76.64	-57	-19.64	PASS
536.96	V	-75.50	5.42	-70.08	-57	-13.08	PASS
817.06	V	-73.33	4.44	-68.89	-57	-11.89	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)	
1946.28	V	-72.36	8.92	-63.44	-47	-16.44	PASS
2142.07	V	-65.98	14.79	-51.19	-47	-4.19	PASS
3499.49	V	-69.41	11.97	-57.44	-47	-10.44	PASS
10061.97	V	-78.06	14.58	-63.48	-47	-16.48	PASS
1983.09	H	-69.44	11.13	-58.31	-47	-11.31	PASS
2050.13	H	-77.45	8.20	-69.25	-47	-22.25	PASS
3339.69	H	-79.11	11.93	-67.18	-47	-20.18	PASS
4404.28	H	-65.96	14.12	-51.84	-47	-4.84	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)	
31.23	H	-76.80	8.07	-68.73	-57	-11.73	PASS
100.23	H	-84.47	7.62	-76.85	-57	-19.85	PASS
498.84	H	-71.32	5.62	-65.70	-57	-8.70	PASS
879.22	H	-80.04	8.80	-71.24	-57	-14.24	PASS
65.42	V	-79.40	2.77	-76.63	-57	-19.63	PASS
97.66	V	-83.26	7.04	-76.22	-57	-19.22	PASS
427.78	V	-81.28	5.42	-75.86	-57	-18.86	PASS
887.81	V	-77.55	4.44	-73.11	-57	-16.11	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)	
1768.87	V	-74.45	8.92	-65.53	-47	-18.53	PASS
2420.01	V	-79.69	14.79	-64.90	-47	-17.90	PASS
3162.75	V	-70.90	11.97	-58.93	-47	-11.93	PASS
7026.93	V	-79.97	14.58	-65.39	-47	-18.39	PASS
1095.70	H	-68.96	11.13	-57.83	-47	-10.83	PASS
2235.39	H	-73.19	8.20	-64.99	-47	-17.99	PASS
3021.09	H	-73.55	11.93	-61.62	-47	-14.62	PASS
8292.71	H	-73.73	14.12	-59.61	-47	-12.61	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	-44.31	-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.

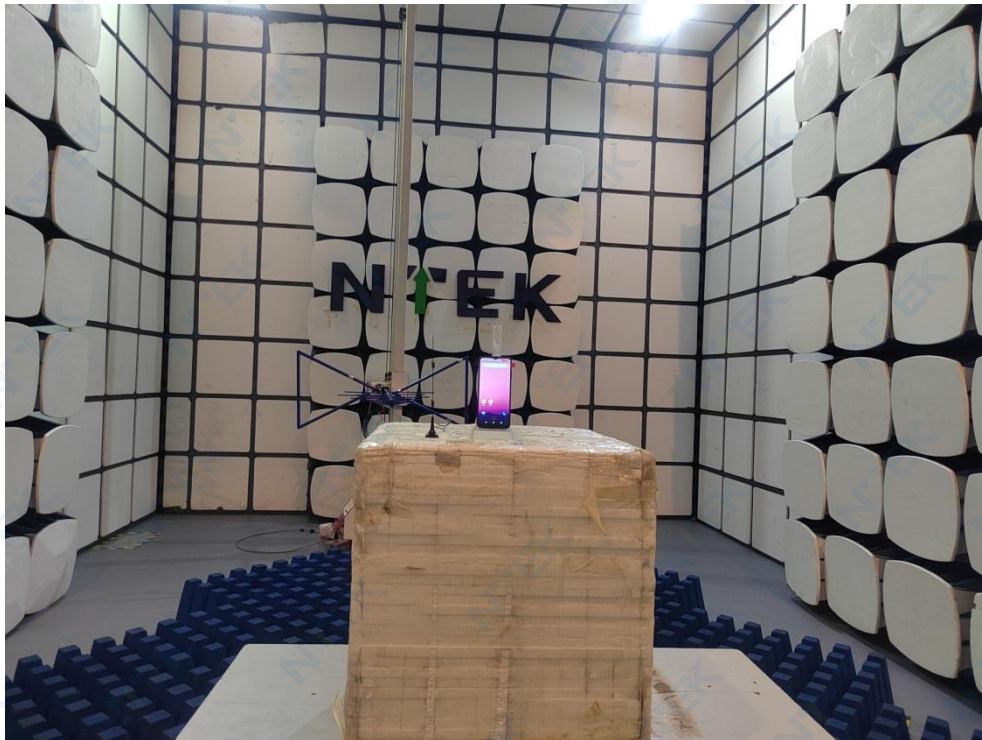
## **CONDUCTED TEST DATA**

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

## **PHOTOGRAPHS OF THE TEST SETUP**



### Radiated Spurious Emission Test



END OF REPORT