



# **RADIO TEST REPORT**

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

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

**Product :** Smartphone

**Trade Mark :** CUBOT

**Model Name :** NOTE 21

**Family Model :** N/A

**Report No. :** S23060903810008

### **Prepared for**

Shenzhen Huafului 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 District,  
Shenzhen, P.R. China

### **Prepared by**

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street  
Bao'an District, Shenzhen 518126 P.R. China

Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090

Website: <http://www.ntek.org.cn>

**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** : NOTE 21  
**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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**Test Sample Number** ..... S230609038010

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

Date (s) of performance of tests ..... Jun 12, 2023 ~ Jul 13, 2023

Date of Issue..... Jul 14, 2023

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

Testing Engineer :



(Allen Liu)

Authorized Signatory :



(Alex Li)

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Revision History

Report No.	Version	Description	Issued Date
S23060903810008	Rev.01	Initial issue of report	Jul 14, 2023

## 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.

Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China

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

CNAS Registration No.:L5516

## 1.2 MEASUREMENT UNCERTAINTY

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

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

## 2.GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smartphone
Trade Mark	CUBOT
Model Name	NOTE 21
Family Model:	N/A
Model Difference:	N/A
Frequency Bands:	E-UTRA FDD I, III, VII, VIII, XX, XXVIII
Frequency Bands:	<p>FDD Band I: Uplink: 1920 MHz to 1980MHz Downlink: 2110 MHz to 2170 MHz</p> <p>FDD Band III: Uplink:1710 MHz to 1785 MHz Downlink: 1805 MHz to 1880 MHz</p> <p>FDD Band VII: Uplink: 2500 MHz to 2570 MHz Downlink: 2620 MHz to 2690 MHz</p> <p>FDD Band VIII: Uplink: 880MHz to 915 MHz Downlink: 925 MHz to 960 MHz</p> <p>FDD Band XX: Uplink: 832 MHz to 862 MHz Downlink: 791 MHz to 821 MHz</p> <p>FDD Band XXVIII: Uplink: 703 MHz to 736MHz Downlink: 758 MHz to 791 MHz</p>
Power Class:	E-UTRA :3
Modulation Mode:	QPSK, 16QAM
SIM Card:	SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.
Adapter	<p>Model: HJ-0502000W2-EU</p> <p>Input: 100-240V~50/60Hz 0.3A</p> <p>Output: 5.0V---2.0A</p> <p>Output Power:10.0W</p>
Battery	DC 3.87V, 5200mAh
Rating	DC 3.87V from battery or DC 5V from adapter
Antenna:	PIFA Antenna
Antenna Gain:	<p>B1: -2.8 dBi; B3: -1.78dBi; B7: -1.1 dBi; B8: -1.44 dBi;</p> <p>B20: -2.76 dBi; B28: -0.8 dBi;</p>
Hardware version:	G2291U-MT-V1.0
Firmware version:	G2233G-UF-V1.1
Software version:	CUBOT_NOTE_21_D043C_V1.0



## 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	2023.03.31	2024.03.30	1 year
2	Test Receiver	R&S	ESPI7	101318	2023.03.27	2024.03.26	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.16	2024.03.15	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
5	Spectrum Analyzer	Agilent	N9020A	MY46471732	2023.03.27	2024.03.26	1 year
6	Horn Antenna	EM	EM-AH-20180	2011071402	2022.03.31	2025.03.30	3 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.11.07	2023.11.06	1 year
8	Amplifier	EMC	EMC051835S E	980246	2023.05.29	2024.05.28	1 year
9	Loop Antenna	ARA	PLA-2030/B	1029	2023.05.29	2024.05.28	1 year
10	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	2023.05.29	2024.05.28	1 year
11	LTE Wireless Communications Test Set	R&S	CMW500	1100.008.02	2023.05.29	2024.05.28	1 year
12	Power Splitter	Mini-Circuits	ZN2PD-63-S+	SF025101428	2023.03.27	2026.03.26	3 year
13	Wireless Communication Test	Anritsu	MT8821C	6262192315	2022.11.08	2023.11.07	1 year
14	Power Meter	DARE	RPR3006W	15I00041SNO8 4	2023.05.29	2024.05.28	1 year
15	ESG VETCTOR SIGNAL GENERAROR	Agilent	E4438C	MY45093347	2023.03.21	2024.03.20	1 year
16	Spectrum Analyzer	R&S	FSV40	101417	2023.05.29	2024.05.28	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)	=	40°C
Extreme Voltage of the EUT (Declared by manufacturer):	Normal Voltage (NV)	=	DC 3.87V
	Low Voltage (LV)	=	DC 3.4V
	High Voltage (HV)	=	DC 4.4V

Note: The High Voltage DC 4.4V 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
LTE FDD Band XXVIII Mode	3MHz	QPSK/ 16QAM	Ch 27225
			Ch 27375
			Ch 27525
	5MHz	QPSK/ 16QAM	Ch 27235
			Ch 27375
			Ch 27515
	10MHz	QPSK/ 16QAM	Ch 27260
			Ch 27375
			Ch 27490
	20MHz	QPSK/ 16QAM	Ch 27310
			Ch 27375
			Ch 27440

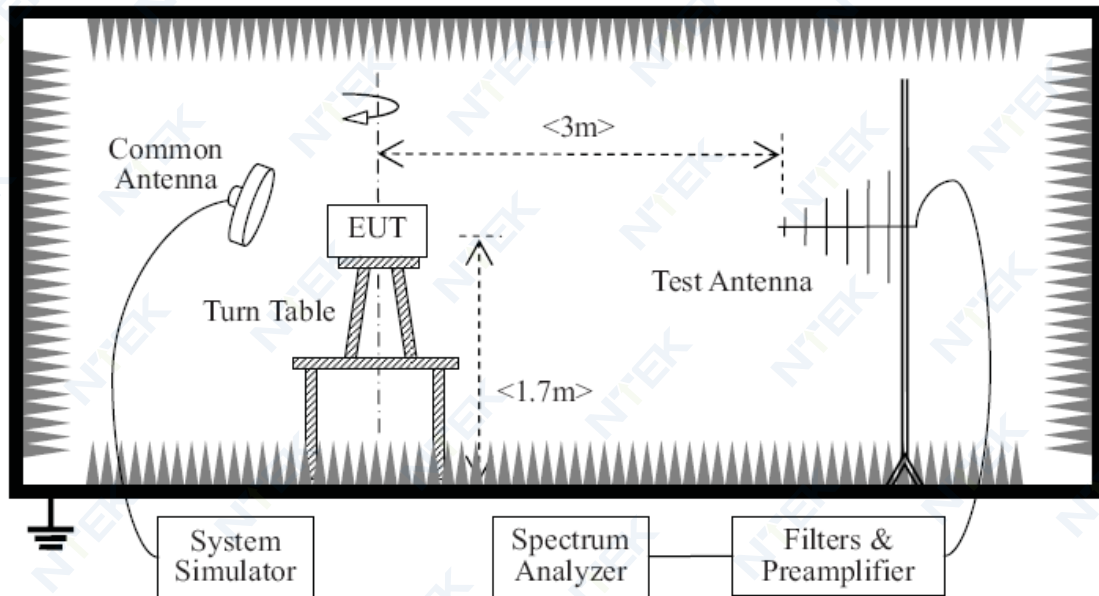
Table 2

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	FDD Band XXVIII
		test Band Width	
ETSI EN 301908-1 4.2.2	Radiated emission (UE)	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.2	Transmitter Maximum Output Power	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.3	Transmitter Spectrum Emission Mask	5MHz,10MHz, ,20 MHz	3MHz,5MHz,10MHz,20 MHz
ETSI EN 301908-13 4.2.4	Transmitter Spurious Emissions	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.5	Transmitter Minimum Output Power	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.6	Receiver Adjacent Channel Selectivity (ACS)	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.7	Receiver Blocking Characteristics	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.8	Receiver Spurious Response	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.9	Receiver Intermodulation Characteristics	5MHz,20 MHz	3MHz,5MHz,20 MHz
ETSI EN 301908-13 4.2.10	Receiver Spurious Emissions	20 MHz	20 MHz
ETSI EN 301908-13 4.2.11	Transmitter Adjacent Channel Leakage Power Ratio	5MHz,10MHz, ,20 MHz	3MHz,5MHz,10MHz,20 MHz
ETSI EN 301908-13 4.2.12	Receiver Reference Sensitivity Level	5MHz,20 MHz	3MHz,5MHz,20 MHz

## 2.5 TEST SETUP

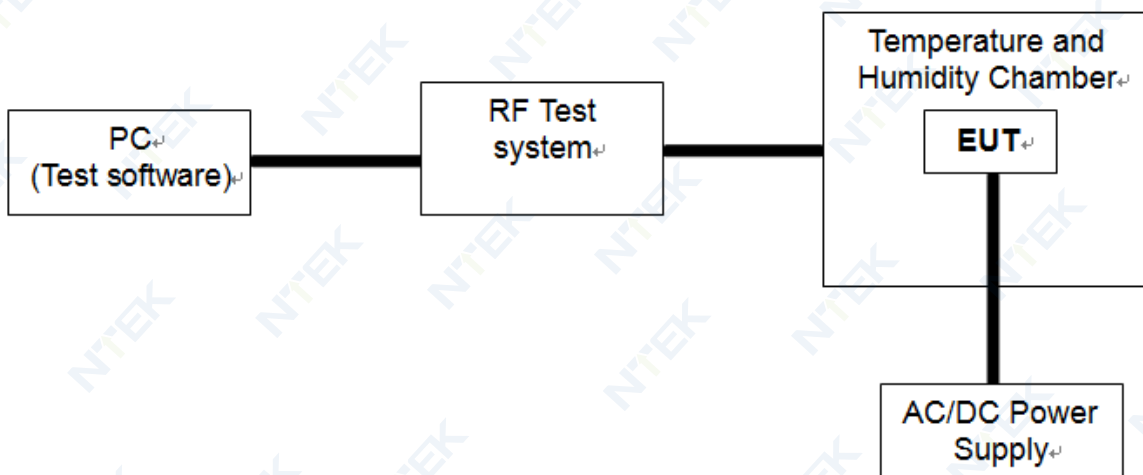
### 1. Radiated Spurious Emission Test Setup



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			
			FDD Band XXVIII			



**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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	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 FDD Band XXVIII	A01	PASS	Appendix A - LTE - Normal

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.

The laboratory has completed all tests for normal and extreme voltage conditions and LTE+WIFI mode. This report shows only the worst test data.

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
50.36	-78.93	3.91	-75.02	-36	-39.02	PASS
199.17	-78.83	6.95	-71.88	-36	-35.88	PASS
379.02	-74.12	9.27	-64.85	-36	-28.85	PASS
819.94	-69.16	9.75	-59.41	-36	-23.41	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)	
1816.57	-56.82	18.05	-38.77	-30	-8.77	PASS
2381.77	-61.94	15.75	-46.19	-30	-16.19	PASS
3475.32	-54.44	13.06	-41.38	-30	-11.38	PASS
6772.75	-63.61	12.52	-51.09	-30	-21.09	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)	
44.74	-76	3.91	-72.09	-36	-36.09	PASS
98.85	-79.7	6.95	-72.75	-36	-36.75	PASS
465.90	-63.78	9.27	-54.51	-36	-18.51	PASS
860.62	-67.97	9.75	-58.22	-36	-22.22	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)	
1068.04	-68.98	18.05	-50.93	-30	-20.93	PASS
2484.62	-61.76	15.75	-46.01	-30	-16.01	PASS
3217.69	-64.78	13.06	-51.72	-30	-21.72	PASS
11481.93	-58.15	12.52	-45.63	-30	-15.63	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)	
48.04	-62.96	3.91	-59.05	-36	-23.05	PASS
199.33	-79.44	6.95	-72.49	-36	-36.49	PASS
563.49	-59.94	9.27	-50.67	-36	-14.67	PASS
813.85	-60.91	9.75	-51.16	-36	-15.16	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)	
1901.18	-60.85	18.05	-42.80	-30	-12.80	PASS
2417.11	-54.64	15.75	-38.89	-30	-8.89	PASS
3676.62	-53.77	13.06	-40.71	-30	-10.71	PASS
10636.16	-65.3	12.52	-52.78	-30	-22.78	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)	
39.52	-63.04	3.91	-59.13	-36	-23.13	PASS
142.30	-71.39	6.95	-64.44	-36	-28.44	PASS
569.41	-70.4	9.27	-61.13	-36	-25.13	PASS
897.05	-75.29	9.75	-65.54	-36	-29.54	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)	
1027.82	-51.55	18.05	-33.50	-30	-3.50	PASS
2828.16	-51.46	15.75	-35.71	-30	-5.71	PASS
3290.88	-68.7	13.06	-55.64	-30	-25.64	PASS
8232.35	-53.57	12.52	-41.05	-30	-11.05	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)	
66.02	-72.28	3.91	-68.37	-36	-32.37	PASS
177.85	-61.78	6.95	-54.83	-36	-18.83	PASS
390.33	-62.6	9.27	-53.33	-36	-17.33	PASS
804.00	-64.67	9.75	-54.92	-36	-18.92	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)	
1610.28	-53.46	18.05	-35.41	-30	-5.41	PASS
2843.53	-65.98	15.75	-50.23	-30	-20.23	PASS
3356.55	-69.3	13.06	-56.24	-30	-26.24	PASS
5483.76	-55.95	12.52	-43.43	-30	-13.43	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)	
50.69	-66.87	3.91	-62.96	-36	-26.96	PASS
128.78	-67.92	6.95	-60.97	-36	-24.97	PASS
332.58	-70.41	9.27	-61.14	-36	-25.14	PASS
822.63	-72.04	9.75	-62.29	-36	-26.29	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)	
1989.87	-57.11	18.05	-39.06	-30	-9.06	PASS
2798.15	-59.78	15.75	-44.03	-30	-14.03	PASS
3528.13	-52.76	13.06	-39.70	-30	-9.70	PASS
6606.63	-61.2	12.52	-48.68	-30	-18.68	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)	
48.39	-74.89	3.91	-70.98	-36	-34.98	PASS
177.88	-78.13	6.95	-71.18	-36	-35.18	PASS
228.33	-70.3	9.27	-61.03	-36	-25.03	PASS
822.29	-62	9.75	-52.25	-36	-16.25	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)	
1160.11	-69.04	18.05	-50.99	-30	-20.99	PASS
2372.59	-55.75	15.75	-40.00	-30	-10.00	PASS
3755.95	-49.94	13.06	-36.88	-30	-6.88	PASS
9781.77	-49.68	12.52	-37.16	-30	-7.16	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)	
90.39	-76.72	3.91	-72.81	-36	-36.81	PASS
95.13	-67	6.95	-60.05	-36	-24.05	PASS
220.16	-59.32	9.27	-50.05	-36	-14.05	PASS
832.09	-65.62	9.75	-55.87	-36	-19.87	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)	
1051.49	-68.97	18.05	-50.92	-30	-20.92	PASS
2904.78	-69.32	15.75	-53.57	-30	-23.57	PASS
3635.83	-56.18	13.06	-43.12	-30	-13.12	PASS
11388.95	-64.64	12.52	-52.12	-30	-22.12	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)	
84.91	-52.63	2.35	-50.28	-36	-14.28	PASS
153.60	-68.19	1.38	-66.81	-36	-30.81	PASS
342.58	-66.05	5.45	-60.60	-36	-24.60	PASS
739.78	-58.26	1.45	-56.81	-36	-20.81	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)	
1465.65	-62.29	14.81	-47.48	-30	-17.48	PASS
2432.13	-68.44	15.91	-52.53	-30	-22.53	PASS
3001.48	-62.10	14.93	-47.17	-30	-17.17	PASS
5316.41	-61.87	16.55	-45.32	-30	-15.32	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)	
74.34	-68.83	5.93	-62.90	-36	-26.90	PASS
192.23	-66.22	9.25	-56.97	-36	-20.97	PASS
388.66	-56.53	4.35	-52.18	-36	-16.18	PASS
669.30	-59.94	8.47	-51.47	-36	-15.47	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)	
1839.20	-69.26	18.25	-51.01	-30	-21.01	PASS
2768.39	-60.59	18.87	-41.72	-30	-11.72	PASS
3185.58	-66.49	13.86	-52.63	-30	-22.63	PASS
6879.74	-49.84	10.24	-39.60	-30	-9.60	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)	
86.91	-49.04	6.38	-42.66	-36	-6.66	PASS
142.23	-57.14	8.65	-48.49	-36	-12.49	PASS
462.01	-58.95	1.51	-57.44	-36	-21.44	PASS
740.37	-54.74	9.03	-45.71	-36	-9.71	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)	
1372.97	-66.36	11.72	-54.64	-30	-24.64	PASS
2307.72	-58.20	15.95	-42.25	-30	-12.25	PASS
3997.32	-53.25	12.25	-41.00	-30	-11.00	PASS
5904.39	-60.82	15.98	-44.84	-30	-14.84	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)	
63.72	-61.58	1.69	-59.89	-36	-23.89	PASS
111.51	-53.73	3.80	-49.93	-36	-13.93	PASS
301.82	-56.43	3.93	-52.50	-36	-16.50	PASS
819.10	-67.21	8.89	-58.32	-36	-22.32	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)	
1543.10	-56.38	15.40	-40.98	-30	-10.98	PASS
2291.63	-61.38	14.23	-47.15	-30	-17.15	PASS
3145.15	-53.28	18.65	-34.63	-30	-4.63	PASS
4684.39	-60.10	16.16	-43.94	-30	-13.94	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)	
62.56	-59.49	3.91	-55.58	-36	-19.58	PASS
119.36	-68.85	6.95	-61.90	-36	-25.90	PASS
488.09	-79.12	9.27	-69.85	-36	-33.85	PASS
806.71	-69.36	9.75	-59.61	-36	-23.61	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)	
1431.41	-54.63	18.05	-36.58	-30	-6.58	PASS
2301.73	-50.33	15.75	-34.58	-30	-4.58	PASS
3630.27	-65.42	13.06	-52.36	-30	-22.36	PASS
7626.87	-68.58	12.52	-56.06	-30	-26.06	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)	
40.00	-77.26	3.91	-73.35	-36	-37.35	PASS
185.86	-79.94	6.95	-72.99	-36	-36.99	PASS
336.19	-68.71	9.27	-59.44	-36	-23.44	PASS
680.88	-64.48	9.75	-54.73	-36	-18.73	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)	
1643.04	-53.41	18.05	-35.36	-30	-5.36	PASS
2366.60	-60.81	15.75	-45.06	-30	-15.06	PASS
3711.26	-63.24	13.06	-50.18	-30	-20.18	PASS
11804.75	-69.32	12.52	-56.80	-30	-26.80	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)	
80.20	-79.16	3.91	-75.25	-36	-39.25	PASS
193.16	-59.84	6.95	-52.89	-36	-16.89	PASS
370.56	-61.04	9.27	-51.77	-36	-15.77	PASS
738.32	-67.37	9.75	-57.62	-36	-21.62	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)	
1901.35	-68.65	18.05	-50.60	-30	-20.60	PASS
2882.53	-52.31	15.75	-36.56	-30	-6.56	PASS
3967.63	-66.86	13.06	-53.80	-30	-23.80	PASS
11649.40	-60.36	12.52	-47.84	-30	-17.84	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)	
38.01	-74.46	3.91	-70.55	-36	-34.55	PASS
142.54	-76.97	6.95	-70.02	-36	-34.02	PASS
562.02	-60.60	9.27	-51.33	-36	-15.33	PASS
736.54	-59.99	9.75	-50.24	-36	-14.24	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)	
1194.67	-68.42	18.05	-50.37	-30	-20.37	PASS
2419.75	-59.25	15.75	-43.50	-30	-13.50	PASS
3211.78	-59.97	13.06	-46.91	-30	-16.91	PASS
6939.80	-49.72	12.52	-37.20	-30	-7.20	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)	
45.52	-59.05	3.91	-55.14	-36	-19.14	PASS
95.76	-61.07	6.95	-54.12	-36	-18.12	PASS
589.61	-73.96	9.27	-64.69	-36	-28.69	PASS
829.67	-63.28	9.75	-53.53	-36	-17.53	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)	
1818.84	-69.82	18.05	-51.77	-30	-21.77	PASS
2266.62	-52.52	15.75	-36.77	-30	-6.77	PASS
3394.21	-53.9	13.06	-40.84	-30	-10.84	PASS
5419.55	-55.59	12.52	-43.07	-30	-13.07	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)	
32.18	-60.86	3.91	-56.95	-36	-20.95	PASS
113.99	-78.64	6.95	-71.69	-36	-35.69	PASS
480.07	-69.66	9.27	-60.39	-36	-24.39	PASS
690.70	-73.98	9.75	-64.23	-36	-28.23	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)	
1610.23	-50.6	18.05	-32.55	-30	-2.55	PASS
2866.16	-63.01	15.75	-47.26	-30	-17.26	PASS
3793.60	-63.71	13.06	-50.65	-30	-20.65	PASS
6736.65	-60.83	12.52	-48.31	-30	-18.31	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)	
39.05	-76.22	3.91	-72.31	-36	-36.31	PASS
132.86	-71.81	6.95	-64.86	-36	-28.86	PASS
262.23	-76.58	9.27	-67.31	-36	-31.31	PASS
743.60	-74.74	9.75	-64.99	-36	-28.99	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)	
1572.03	-54.79	18.05	-36.74	-30	-6.74	PASS
2246.28	-60.39	15.75	-44.64	-30	-14.64	PASS
3950.37	-55.74	13.06	-42.68	-30	-12.68	PASS
8521.45	-68.44	12.52	-55.92	-30	-25.92	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)	
88.59	-73.39	3.91	-69.48	-36	-33.48	PASS
109.02	-75.43	6.95	-68.48	-36	-32.48	PASS
322.68	-78.71	9.27	-69.44	-36	-33.44	PASS
789.76	-62.36	9.75	-52.61	-36	-16.61	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)	
1083.28	-59.7	18.05	-41.65	-30	-11.65	PASS
2979.02	-57.73	15.75	-41.98	-30	-11.98	PASS
3053.04	-66.01	13.06	-52.95	-30	-22.95	PASS
5790.82	-57.21	12.52	-44.69	-30	-14.69	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)	
40.32	-68.60	3.91	-64.69	-36	-28.69	PASS
111.39	-62.47	6.95	-55.52	-36	-19.52	PASS
327.66	-68.35	9.27	-59.08	-36	-23.08	PASS
873.66	-78.79	9.75	-69.04	-36	-33.04	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)	
1478.57	-67.72	18.05	-49.67	-30	-19.67	PASS
2075.86	-69.01	15.75	-53.26	-30	-23.26	PASS
3478.46	-64.58	13.06	-51.52	-30	-21.52	PASS
4535.28	-59.15	12.52	-46.63	-30	-16.63	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)	
81.46	-69.83	3.91	-65.92	-36	-29.92	PASS
129.78	-69.13	6.95	-62.18	-36	-26.18	PASS
295.62	-66.79	9.27	-57.52	-36	-21.52	PASS
831.05	-62.10	9.75	-52.35	-36	-16.35	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)	
1774.41	-58.25	18.05	-40.20	-30	-10.20	PASS
2286.24	-59.55	15.75	-43.80	-30	-13.80	PASS
3960.41	-64.22	13.06	-51.16	-30	-21.16	PASS
6234.48	-61.16	12.52	-48.64	-30	-18.64	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)	
55.25	-78.82	3.91	-74.91	-36	-38.91	PASS
132.97	-67.25	6.95	-60.30	-36	-24.30	PASS
493.60	-71.88	9.27	-62.61	-36	-26.61	PASS
720.67	-75.07	9.75	-65.32	-36	-29.32	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)	
1601.48	-66.64	18.05	-48.59	-30	-18.59	PASS
2420.21	-51.41	15.75	-35.66	-30	-5.66	PASS
3578.46	-56.62	13.06	-43.56	-30	-13.56	PASS
7608.35	-59.92	12.52	-47.40	-30	-17.40	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)	
68.06	-78.06	3.91	-74.15	-36	-38.15	PASS
105.48	-61.48	6.95	-54.53	-36	-18.53	PASS
328.28	-69.48	9.27	-60.21	-36	-24.21	PASS
751.71	-63.90	9.75	-54.15	-36	-18.15	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)	
1179.31	-66.86	18.05	-48.81	-30	-18.81	PASS
2570.29	-58.21	15.75	-42.46	-30	-12.46	PASS
3244.56	-55.24	13.06	-42.18	-30	-12.18	PASS
9683.38	-65.05	12.52	-52.53	-30	-22.53	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)	
33.78	-79.50	3.91	-75.59	-36	-39.59	PASS
187.59	-59.31	6.95	-52.36	-36	-16.36	PASS
523.88	-73.43	9.27	-64.16	-36	-28.16	PASS
817.72	-68.97	9.75	-59.22	-36	-23.22	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)	
1173.10	-63.47	18.05	-45.42	-30	-15.42	PASS
2440.81	-57.58	15.75	-41.83	-30	-11.83	PASS
3552.24	-57.32	13.06	-44.26	-30	-14.26	PASS
7070.47	-61.9	12.52	-49.38	-30	-19.38	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)	
87.84	-68.76	3.91	-64.85	-36	-28.85	PASS
178.28	-63.82	6.95	-56.87	-36	-20.87	PASS
386.63	-60.05	9.27	-50.78	-36	-14.78	PASS
619.06	-77.11	9.75	-67.36	-36	-31.36	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)	
1859.91	-65.38	18.05	-47.33	-30	-17.33	PASS
2631.57	-61.72	15.75	-45.97	-30	-15.97	PASS
3365.97	-64.68	13.06	-51.62	-30	-21.62	PASS
5218.10	-52.83	12.52	-40.31	-30	-10.31	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)	
82.72	-60.39	3.91	-56.48	-36	-20.48	PASS
117.70	-79.36	6.95	-72.41	-36	-36.41	PASS
484.28	-78.70	9.27	-69.43	-36	-33.43	PASS
781.60	-65.76	9.75	-56.01	-36	-20.01	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)	
1195.47	-68.15	18.05	-50.10	-30	-20.10	PASS
2019.51	-61.42	15.75	-45.67	-30	-15.67	PASS
3247.88	-58.68	13.06	-45.62	-30	-15.62	PASS
8034.27	-56.58	12.52	-44.06	-30	-14.06	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)	
82.74	-75.12	3.91	-71.21	-36	-35.21	PASS
137.82	-74.20	6.95	-67.25	-36	-31.25	PASS
350.70	-79.97	9.27	-70.70	-36	-34.70	PASS
883.36	-71.69	9.75	-61.94	-36	-25.94	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)	
1623.16	-64.42	18.05	-46.37	-30	-16.37	PASS
2853.23	-59.63	15.75	-43.88	-30	-13.88	PASS
3252.83	-56.24	13.06	-43.18	-30	-13.18	PASS
5402.84	-65.83	12.52	-53.31	-30	-23.31	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)	
88.07	-64.45	3.91	-60.54	-36	-24.54	PASS
155.97	-61.95	6.95	-55.00	-36	-19.00	PASS
447.26	-68.31	9.27	-59.04	-36	-23.04	PASS
762.22	-66.69	9.75	-56.94	-36	-20.94	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)	
1139.06	-66.3	18.05	-48.25	-30	-18.25	PASS
2325.83	-65.77	15.75	-50.02	-30	-20.02	PASS
3495.94	-69.08	13.06	-56.02	-30	-26.02	PASS
10297.71	-66.57	12.52	-54.05	-30	-24.05	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)	
83.81	-61.91	3.91	-58.00	-36	-22.00	PASS
167.74	-70.11	6.95	-63.16	-36	-27.16	PASS
235.92	-60.56	9.27	-51.29	-36	-15.29	PASS
722.42	-78.66	9.75	-68.91	-36	-32.91	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)	
1151.64	-57.43	18.05	-39.38	-30	-9.38	PASS
2958.92	-68.88	15.75	-53.13	-30	-23.13	PASS
3301.15	-54.32	13.06	-41.26	-30	-11.26	PASS
4623.81	-53.42	12.52	-40.90	-30	-10.90	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)	
36.06	-59.03	3.91	-55.12	-36	-19.12	PASS
160.87	-56.29	6.95	-49.34	-36	-13.34	PASS
346.11	-57.44	9.27	-48.17	-36	-12.17	PASS
869.51	-52.37	9.75	-42.62	-36	-6.62	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)	
1765.44	-53.58	18.05	-35.53	-30	-5.53	PASS
2612.75	-55.99	15.75	-40.24	-30	-10.24	PASS
3115.68	-58.55	13.06	-45.49	-30	-15.49	PASS
7780.31	-50.11	12.52	-37.59	-30	-7.59	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)	
54.87	-49.44	3.91	-45.53	-36	-9.53	PASS
185.26	-57.09	6.95	-50.14	-36	-14.14	PASS
344.93	-52.95	9.27	-43.68	-36	-7.68	PASS
900.67	-52.04	9.75	-42.29	-36	-6.29	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)	
1559.22	-57.55	18.05	-39.50	-30	-9.50	PASS
2377.17	-58.82	15.75	-43.07	-30	-13.07	PASS
3865.94	-58.00	13.06	-44.94	-30	-14.94	PASS
11355.86	-55.60	12.52	-43.08	-30	-13.08	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)	
34.70	-57.98	3.91	-54.07	-36	-18.07	PASS
177.54	-53.09	6.95	-46.14	-36	-10.14	PASS
253.18	-53.91	9.27	-44.64	-36	-8.64	PASS
842.54	-51.00	9.75	-41.25	-36	-5.25	PASS

Remark:

- 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)	
1922.63	-55.77	18.05	-37.72	-30	-7.72	PASS
2300.81	-52.38	15.75	-36.63	-30	-6.63	PASS
3807.99	-49.73	13.06	-36.67	-30	-6.67	PASS
4951.24	-51.02	12.52	-38.50	-30	-8.50	PASS

Remark:

- 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)	
30.04	-58.08	3.91	-54.17	-36	-18.17	PASS
101.15	-57.12	6.95	-50.17	-36	-14.17	PASS
429.67	-57.72	9.27	-48.45	-36	-12.45	PASS
613.61	-49.92	9.75	-40.17	-36	-4.17	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)	
1198.06	-53.45	18.05	-35.40	-30	-5.40	PASS
2786.59	-57.32	15.75	-41.57	-30	-11.57	PASS
3250.59	-53.93	13.06	-40.87	-30	-10.87	PASS
11336.03	-51.31	12.52	-38.79	-30	-8.79	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)	
82.05	-50.16	3.91	-46.25	-36	-10.25	PASS
145.74	-50.73	6.95	-43.78	-36	-7.78	PASS
544.59	-55.14	9.27	-45.87	-36	-9.87	PASS
826.30	-51.47	9.75	-41.72	-36	-5.72	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)	
1429.82	-58.51	18.05	-40.46	-30	-10.46	PASS
2027.16	-59.02	15.75	-43.27	-30	-13.27	PASS
3150.30	-59.31	13.06	-46.25	-30	-16.25	PASS
4309.72	-57.11	12.52	-44.59	-30	-14.59	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)	
59.30	-53.16	3.91	-49.25	-36	-13.25	PASS
104.87	-54.48	6.95	-47.53	-36	-11.53	PASS
313.20	-51.70	9.27	-42.43	-36	-6.43	PASS
846.93	-53.70	9.75	-43.95	-36	-7.95	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)	
1766.50	-51.50	18.05	-33.45	-30	-3.45	PASS
2411.47	-55.58	15.75	-39.83	-30	-9.83	PASS
3421.23	-57.24	13.06	-44.18	-30	-14.18	PASS
4163.02	-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)	
66.87	-78.14	3.91	-74.23	-36	-38.23	PASS
139.40	-69.12	6.95	-62.17	-36	-26.17	PASS
200.69	-77.15	9.27	-67.88	-36	-31.88	PASS
832.76	-73.40	9.75	-63.65	-36	-27.65	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)	
1660.31	-52.95	18.05	-34.90	-30	-4.90	PASS
2443.73	-68.62	15.75	-52.87	-30	-22.87	PASS
3450.76	-62.9	13.06	-49.84	-30	-19.84	PASS
4066.70	-52.53	12.52	-40.01	-30	-10.01	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)	
80.92	-63.09	3.91	-59.18	-36	-23.18	PASS
183.64	-74.90	6.95	-67.95	-36	-31.95	PASS
531.36	-64.72	9.27	-55.45	-36	-19.45	PASS
802.79	-77.86	9.75	-68.11	-36	-32.11	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)	
1082.58	-61.1	18.05	-43.05	-30	-13.05	PASS
2844.12	-49.19	15.75	-33.44	-30	-3.44	PASS
3141.51	-56.3	13.06	-43.24	-30	-13.24	PASS
6126.58	-68.37	12.52	-55.85	-30	-25.85	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)	
41.45	-60.14	3.91	-56.23	-36	-20.23	PASS
110.01	-74.00	6.95	-67.05	-36	-31.05	PASS
267.55	-63.91	9.27	-54.64	-36	-18.64	PASS
848.06	-62.19	9.75	-52.44	-36	-16.44	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)	
1205.22	-53.06	18.05	-35.01	-30	-5.01	PASS
2473.50	-67.53	15.75	-51.78	-30	-21.78	PASS
3655.75	-67.6	13.06	-54.54	-30	-24.54	PASS
9286.84	-49.94	12.52	-37.42	-30	-7.42	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)	
41.45	-61.49	3.91	-57.58	-36	-21.58	PASS
107.55	-78.93	6.95	-71.98	-36	-35.98	PASS
208.13	-70.66	9.27	-61.39	-36	-25.39	PASS
817.91	-72.01	9.75	-62.26	-36	-26.26	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)	
1259.56	-56.53	18.05	-38.48	-30	-8.48	PASS
2526.18	-69.77	15.75	-54.02	-30	-24.02	PASS
3754.64	-68.85	13.06	-55.79	-30	-25.79	PASS
9394.47	-55.07	12.52	-42.55	-30	-12.55	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)	
39.61	-75.83	3.91	-71.92	-36	-35.92	PASS
163.66	-73.33	6.95	-66.38	-36	-30.38	PASS
372.34	-73.31	9.27	-64.04	-36	-28.04	PASS
728.67	-66.22	9.75	-56.47	-36	-20.47	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)	
1747.01	-67.64	18.05	-49.59	-30	-19.59	PASS
2188.40	-60.02	15.75	-44.27	-30	-14.27	PASS
3982.80	-54.02	13.06	-40.96	-30	-10.96	PASS
10315.50	-52.09	12.52	-39.57	-30	-9.57	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)	
49.05	-63.91	3.91	-60.00	-36	-24.00	PASS
191.21	-66.21	6.95	-59.26	-36	-23.26	PASS
497.62	-73.14	9.27	-63.87	-36	-27.87	PASS
863.25	-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 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1061.26	-67.46	18.05	-49.41	-30	-19.41	PASS
2086.00	-57.19	15.75	-41.44	-30	-11.44	PASS
3779.87	-64.47	13.06	-51.41	-30	-21.41	PASS
10563.48	-59.67	12.52	-47.15	-30	-17.15	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)	
33.78	-79.53	3.91	-75.62	-36	-39.62	PASS
153.44	-72.07	6.95	-65.12	-36	-29.12	PASS
543.96	-65.51	9.27	-56.24	-36	-20.24	PASS
711.39	-70.29	9.75	-60.54	-36	-24.54	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1175.60	-51.68	18.05	-33.63	-30	-3.63	PASS
2892.94	-65.45	15.75	-49.70	-30	-19.70	PASS
3751.15	-51.45	13.06	-38.39	-30	-8.39	PASS
11334.87	-53.43	12.52	-40.91	-30	-10.91	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)	
79.19	-77.75	3.91	-73.84	-36	-37.84	PASS
120.15	-70.66	6.95	-63.71	-36	-27.71	PASS
321.79	-71.94	9.27	-62.67	-36	-26.67	PASS
678.57	-70.52	9.75	-60.77	-36	-24.77	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)	
1178.62	-65.11	18.05	-47.06	-30	-17.06	PASS
2028.23	-64.94	15.75	-49.19	-30	-19.19	PASS
3906.58	-59.25	13.06	-46.19	-30	-16.19	PASS
9111.27	-59.08	12.52	-46.56	-30	-16.56	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)	
69.30	-69.46	3.91	-65.55	-36	-29.55	PASS
153.32	-67.03	6.95	-60.08	-36	-24.08	PASS
460.89	-70.93	9.27	-61.66	-36	-25.66	PASS
706.96	-71.66	9.75	-61.91	-36	-25.91	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)	
1309.22	-66.16	18.05	-48.11	-30	-18.11	PASS
2596.81	-57.11	15.75	-41.36	-30	-11.36	PASS
3726.20	-58.35	13.06	-45.29	-30	-15.29	PASS
9941.22	-59.52	12.52	-47.00	-30	-17.00	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)	
68.56	-62.80	3.91	-58.89	-36	-22.89	PASS
195.48	-69.99	6.95	-63.04	-36	-27.04	PASS
448.50	-71.38	9.27	-62.11	-36	-26.11	PASS
632.70	-64.12	9.75	-54.37	-36	-18.37	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)	
1867.62	-63.42	18.05	-45.37	-30	-15.37	PASS
2039.80	-55.41	15.75	-39.66	-30	-9.66	PASS
3356.09	-53.07	13.06	-40.01	-30	-10.01	PASS
6948.54	-68.57	12.52	-56.05	-30	-26.05	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)	
64.62	-62.04	3.91	-58.13	-36	-22.13	PASS
140.21	-66.14	6.95	-59.19	-36	-23.19	PASS
480.61	-62.73	9.27	-53.46	-36	-17.46	PASS
882.57	-62.12	9.75	-52.37	-36	-16.37	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)	
1148.57	-59.32	18.05	-41.27	-30	-11.27	PASS
2176.62	-50.5	15.75	-34.75	-30	-4.75	PASS
3255.42	-52.86	13.06	-39.80	-30	-9.80	PASS
7691.21	-56.03	12.52	-43.51	-30	-13.51	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)	
66.23	-61.22	3.91	-57.31	-36	-21.31	PASS
188.83	-71.50	6.95	-64.55	-36	-28.55	PASS
458.55	-77.17	9.27	-67.90	-36	-31.90	PASS
684.24	-65.67	9.75	-55.92	-36	-19.92	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)	
1000.90	-54.79	18.05	-36.74	-30	-6.74	PASS
2803.83	-64.53	15.75	-48.78	-30	-18.78	PASS
3342.79	-66.69	13.06	-53.63	-30	-23.63	PASS
8670.48	-53.44	12.52	-40.92	-30	-10.92	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)	
55.12	-78.13	3.91	-74.22	-36	-38.22	PASS
132.52	-73.49	6.95	-66.54	-36	-30.54	PASS
214.44	-78.64	9.27	-69.37	-36	-33.37	PASS
706.61	-77.45	9.75	-67.70	-36	-31.70	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)	
1454.54	-65.28	18.05	-47.23	-30	-17.23	PASS
2901.58	-57.02	15.75	-41.27	-30	-11.27	PASS
3897.05	-52.33	13.06	-39.27	-30	-9.27	PASS
4336.15	-67.91	12.52	-55.39	-30	-25.39	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)	
57.78	-62.64	3.91	-58.73	-36	-22.73	PASS
99.83	-69.39	6.95	-62.44	-36	-26.44	PASS
425.01	-70.03	9.27	-60.76	-36	-24.76	PASS
736.47	-61.32	9.75	-51.57	-36	-15.57	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)	
1322.36	-69.45	18.05	-51.40	-30	-21.40	PASS
2195.33	-51.34	15.75	-35.59	-30	-5.59	PASS
3346.91	-58.93	13.06	-45.87	-30	-15.87	PASS
11834.98	-58.15	12.52	-45.63	-30	-15.63	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)	
77.11	-66.63	3.91	-62.72	-36	-26.72	PASS
142.75	-77.06	6.95	-70.11	-36	-34.11	PASS
252.94	-59.18	9.27	-49.91	-36	-13.91	PASS
817.67	-68.69	9.75	-58.94	-36	-22.94	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)	
1543.58	-64.54	18.05	-46.49	-30	-16.49	PASS
2401.83	-53.67	15.75	-37.92	-30	-7.92	PASS
3042.56	-55.68	13.06	-42.62	-30	-12.62	PASS
5502.16	-50.27	12.52	-37.75	-30	-7.75	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)	
45.78	-78.65	3.91	-74.74	-36	-38.74	PASS
135.62	-60.10	6.95	-53.15	-36	-17.15	PASS
559.56	-75.85	9.27	-66.58	-36	-30.58	PASS
886.43	-69.35	9.75	-59.60	-36	-23.60	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)	
1766.24	-52.93	18.05	-34.88	-30	-4.88	PASS
2896.82	-51.84	15.75	-36.09	-30	-6.09	PASS
3312.46	-61.6	13.06	-48.54	-30	-18.54	PASS
11617.47	-56.96	12.52	-44.44	-30	-14.44	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)	
64.25	-74.13	3.91	-70.22	-36	-34.22	PASS
175.81	-65.23	6.95	-58.28	-36	-22.28	PASS
485.07	-60.31	9.27	-51.04	-36	-15.04	PASS
651.45	-69.02	9.75	-59.27	-36	-23.27	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)	
1485.59	-55.76	18.05	-37.71	-30	-7.71	PASS
2142.81	-49.58	15.75	-33.83	-30	-3.83	PASS
3585.63	-61.94	13.06	-48.88	-30	-18.88	PASS
10934.54	-64.25	12.52	-51.73	-30	-21.73	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)	
37.73	-66.64	3.91	-62.73	-36	-26.73	PASS
132.17	-75.97	6.95	-69.02	-36	-33.02	PASS
331.93	-64.72	9.27	-55.45	-36	-19.45	PASS
849.27	-71.73	9.75	-61.98	-36	-25.98	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)	
1790.53	-52.54	18.05	-34.49	-30	-4.49	PASS
2243.04	-59.68	15.75	-43.93	-30	-13.93	PASS
3053.11	-66.98	13.06	-53.92	-30	-23.92	PASS
11222.44	-61.34	12.52	-48.82	-30	-18.82	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)	
39.48	-63.09	3.91	-59.18	-36	-23.18	PASS
117.32	-66.59	6.95	-59.64	-36	-23.64	PASS
332.55	-77.47	9.27	-68.20	-36	-32.20	PASS
859.81	-60.14	9.75	-50.39	-36	-14.39	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)	
1701.29	-51.22	18.05	-33.17	-30	-3.17	PASS
2830.92	-61.24	15.75	-45.49	-30	-15.49	PASS
3918.48	-63.18	13.06	-50.12	-30	-20.12	PASS
9154.24	-53.47	12.52	-40.95	-30	-10.95	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)	
80.99	-63.87	3.91	-59.96	-36	-23.96	PASS
99.34	-72.85	6.95	-65.90	-36	-29.90	PASS
220.29	-70.77	9.27	-61.50	-36	-25.50	PASS
687.30	-73.31	9.75	-63.56	-36	-27.56	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)	
1289.81	-61.21	18.05	-43.16	-30	-13.16	PASS
2816.70	-51.59	15.75	-35.84	-30	-5.84	PASS
3575.84	-64.07	13.06	-51.01	-30	-21.01	PASS
6924.97	-67.11	12.52	-54.59	-30	-24.59	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)	
39.91	-62.88	3.91	-58.97	-36	-22.97	PASS
137.84	-79.78	6.95	-72.83	-36	-36.83	PASS
503.92	-79.34	9.27	-70.07	-36	-34.07	PASS
716.66	-78.20	9.75	-68.45	-36	-32.45	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)	
1488.30	-51.68	18.05	-33.63	-30	-3.63	PASS
2205.56	-54.15	15.75	-38.40	-30	-8.40	PASS
3123.29	-52.01	13.06	-38.95	-30	-8.95	PASS
4915.52	-67.65	12.52	-55.13	-30	-25.13	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)	
50.43	-78.67	3.91	-74.76	-36	-38.76	PASS
158.40	-71.80	6.95	-64.85	-36	-28.85	PASS
559.27	-60.48	9.27	-51.21	-36	-15.21	PASS
729.08	-65.60	9.75	-55.85	-36	-19.85	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)	
1769.92	-56.87	18.05	-38.82	-30	-8.82	PASS
2816.85	-50.06	15.75	-34.31	-30	-4.31	PASS
3473.94	-58.47	13.06	-45.41	-30	-15.41	PASS
7758.28	-55.73	12.52	-43.21	-30	-13.21	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)	
65.03	-73.35	3.91	-69.44	-36	-33.44	PASS
168.11	-63.97	6.95	-57.02	-36	-21.02	PASS
301.01	-79.57	9.27	-70.30	-36	-34.30	PASS
844.09	-60.91	9.75	-51.16	-36	-15.16	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)	
1786.90	-55.1	18.05	-37.05	-30	-7.05	PASS
2221.00	-63.29	15.75	-47.54	-30	-17.54	PASS
3808.04	-58.65	13.06	-45.59	-30	-15.59	PASS
8794.18	-65.99	12.52	-53.47	-30	-23.47	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)	
54.99	-69.46	3.91	-65.55	-36	-29.55	PASS
91.91	-67.28	6.95	-60.33	-36	-24.33	PASS
473.85	-60.66	9.27	-51.39	-36	-15.39	PASS
659.98	-66.54	9.75	-56.79	-36	-20.79	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)	
1848.30	-56.4	18.05	-38.35	-30	-8.35	PASS
2888.27	-50.43	15.75	-34.68	-30	-4.68	PASS
3839.86	-58.03	13.06	-44.97	-30	-14.97	PASS
5969.96	-55.9	12.52	-43.38	-30	-13.38	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)	
33.41	-78.89	3.91	-74.98	-36	-38.98	PASS
145.38	-66.17	6.95	-59.22	-36	-23.22	PASS
229.89	-60.56	9.27	-51.29	-36	-15.29	PASS
865.63	-67.15	9.75	-57.40	-36	-21.40	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)	
1655.08	-67.44	18.05	-49.39	-30	-19.39	PASS
2473.36	-55.1	15.75	-39.35	-30	-9.35	PASS
3162.84	-66.81	13.06	-53.75	-30	-23.75	PASS
8911.44	-54.69	12.52	-42.17	-30	-12.17	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)	
44.15	-72.34	3.91	-68.43	-36	-32.43	PASS
184.38	-66.40	6.95	-59.45	-36	-23.45	PASS
234.53	-68.06	9.27	-58.79	-36	-22.79	PASS
633.98	-73.29	9.75	-63.54	-36	-27.54	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)	
1203.93	-65.59	18.05	-47.54	-30	-17.54	PASS
2165.52	-53.1	15.75	-37.35	-30	-7.35	PASS
3309.38	-66.39	13.06	-53.33	-30	-23.33	PASS
5510.18	-52.93	12.52	-40.41	-30	-10.41	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)	
56.10	-77.04	3.91	-73.13	-36	-37.13	PASS
112.73	-76.81	6.95	-69.86	-36	-33.86	PASS
454.57	-74.33	9.27	-65.06	-36	-29.06	PASS
867.10	-76.21	9.75	-66.46	-36	-30.46	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)	
1872.21	-69.56	18.05	-51.51	-30	-21.51	PASS
2538.61	-57.06	15.75	-41.31	-30	-11.31	PASS
3866.05	-66.97	13.06	-53.91	-30	-23.91	PASS
4670.23	-69.87	12.52	-57.35	-30	-27.35	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)	
79.86	-72.03	3.91	-68.12	-36	-32.12	PASS
185.38	-66.67	6.95	-59.72	-36	-23.72	PASS
493.15	-60.45	9.27	-51.18	-36	-15.18	PASS
613.46	-64.56	9.75	-54.81	-36	-18.81	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)	
1040.50	-52.2	18.05	-34.15	-30	-4.15	PASS
2228.53	-58.16	15.75	-42.41	-30	-12.41	PASS
3587.91	-57.74	13.06	-44.68	-30	-14.68	PASS
5109.29	-52.44	12.52	-39.92	-30	-9.92	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)	
83.41	-77.07	3.91	-73.16	-36	-37.16	PASS
150.54	-74.72	6.95	-67.77	-36	-31.77	PASS
258.47	-64.84	9.27	-55.57	-36	-19.57	PASS
839.54	-66.95	9.75	-57.20	-36	-21.20	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)	
1847.14	-64.79	18.05	-46.74	-30	-16.74	PASS
2114.22	-52.96	15.75	-37.21	-30	-7.21	PASS
3565.50	-54.92	13.06	-41.86	-30	-11.86	PASS
4537.05	-52.76	12.52	-40.24	-30	-10.24	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)	
76.06	-74.95	3.91	-71.04	-36	-35.04	PASS
96.69	-67.71	6.95	-60.76	-36	-24.76	PASS
569.88	-74.04	9.27	-64.77	-36	-28.77	PASS
828.83	-60.39	9.75	-50.64	-36	-14.64	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)	
1988.87	-67.41	18.05	-49.36	-30	-19.36	PASS
2555.09	-53.24	15.75	-37.49	-30	-7.49	PASS
3269.55	-69.28	13.06	-56.22	-30	-26.22	PASS
9310.54	-60.43	12.52	-47.91	-30	-17.91	PASS

Remark:

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

## Band 28 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
47.74	-59.72	3.91	-55.81	-36	-19.81	PASS
144.43	-54.35	6.95	-47.40	-36	-11.40	PASS
542.94	-51.07	9.27	-41.80	-36	-5.80	PASS
634.11	-58.64	9.75	-48.89	-36	-12.89	PASS

Remark:

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

## Band 28 CH L 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1648.66	-56.41	18.05	-38.36	-30	-8.36	PASS
2110.24	-49.89	15.75	-34.14	-30	-4.14	PASS
3090.67	-55.64	13.06	-42.58	-30	-12.58	PASS
10105.32	-51.33	12.52	-38.81	-30	-8.81	PASS

Remark:

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

## Band 28 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
70.03	-58.57	3.91	-54.66	-36	-18.66	PASS
168.50	-55.03	6.95	-48.08	-36	-12.08	PASS
215.04	-53.31	9.27	-44.04	-36	-8.04	PASS
750.52	-52.33	9.75	-42.58	-36	-6.58	PASS

Remark:

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

## Band 28 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1264.44	-56.67	18.05	-38.62	-30	-8.62	PASS
2529.99	-57.09	15.75	-41.34	-30	-11.34	PASS
3786.60	-55.94	13.06	-42.88	-30	-12.88	PASS
8312.64	-53.69	12.52	-41.17	-30	-11.17	PASS

Remark:

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

## Band 28 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.55	-57.50	3.91	-53.59	-36	-17.59	PASS
178.19	-57.57	6.95	-50.62	-36	-14.62	PASS
407.24	-53.60	9.27	-44.33	-36	-8.33	PASS
773.10	-50.97	9.75	-41.22	-36	-5.22	PASS

Remark:

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

## Band 28 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1467.03	-53.42	18.05	-35.37	-30	-5.37	PASS
2203.95	-49.65	15.75	-33.90	-30	-3.90	PASS
3512.60	-51.90	13.06	-38.84	-30	-8.84	PASS
6229.31	-57.02	12.52	-44.50	-30	-14.50	PASS

Remark:

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

### Band 28 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.09	-53.00	3.91	-49.09	-36	-13.09	PASS
140.77	-55.57	6.95	-48.62	-36	-12.62	PASS
530.58	-49.25	9.27	-39.98	-36	-3.98	PASS
664.72	-57.33	9.75	-47.58	-36	-11.58	PASS

Remark:

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

### Band 28 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1689.55	-52.44	18.05	-34.39	-30	-4.39	PASS
2691.31	-59.54	15.75	-43.79	-30	-13.79	PASS
3669.57	-57.40	13.06	-44.34	-30	-14.34	PASS
10006.91	-59.14	12.52	-46.62	-30	-16.62	PASS

Remark:

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

### Band 28 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.72	-58.24	3.91	-54.33	-36	-18.33	PASS
93.09	-57.68	6.95	-50.73	-36	-14.73	PASS
341.21	-55.66	9.27	-46.39	-36	-10.39	PASS
856.62	-53.79	9.75	-44.04	-36	-8.04	PASS

Remark:

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

### Band 28 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1701.28	-52.05	18.05	-34.00	-30	-4.00	PASS
2385.33	-49.74	15.75	-33.99	-30	-3.99	PASS
3946.06	-56.68	13.06	-43.62	-30	-13.62	PASS
7892.26	-52.60	12.52	-40.08	-30	-10.08	PASS

Remark:

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

## Band 28 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
83.36	-50.58	3.91	-46.67	-36	-10.67	PASS
127.84	-55.26	6.95	-48.31	-36	-12.31	PASS
344.84	-54.68	9.27	-45.41	-36	-9.41	PASS
642.36	-55.61	9.75	-45.86	-36	-9.86	PASS

Remark:

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

## Band 28 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1308.30	-54.85	18.05	-36.80	-30	-6.80	PASS
2467.00	-52.76	15.75	-37.01	-30	-7.01	PASS
3767.71	-53.63	13.06	-40.57	-30	-10.57	PASS
8547.94	-51.84	12.52	-39.32	-30	-9.32	PASS

Remark:

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

## Band 28 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
56.57	-78.52	3.91	-74.61	-36	-38.61	PASS
104.98	-67.04	6.95	-60.09	-36	-24.09	PASS
437.24	-60.83	9.27	-51.56	-36	-15.56	PASS
683.11	-68.83	9.75	-59.08	-36	-23.08	PASS

Remark:

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

## Band 28 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1494.87	-56.94	18.05	-38.89	-30	-8.89	PASS
2190.07	-65.15	15.75	-49.40	-30	-19.40	PASS
3012.87	-54.06	13.06	-41.00	-30	-11.00	PASS
6539.68	-50.13	12.52	-37.61	-30	-7.61	PASS

Remark:

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



### Band 28 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
57.65	-65.22	3.91	-61.31	-36	-25.31	PASS
169.74	-75.75	6.95	-68.80	-36	-32.80	PASS
203.97	-61.81	9.27	-52.54	-36	-16.54	PASS
787.38	-70.66	9.75	-60.91	-36	-24.91	PASS

Remark:

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

### Band 28 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1629.11	-65.93	18.05	-47.88	-30	-17.88	PASS
2807.38	-60.87	15.75	-45.12	-30	-15.12	PASS
3546.22	-56.79	13.06	-43.73	-30	-13.73	PASS
5827.03	-52.89	12.52	-40.37	-30	-10.37	PASS

Remark:

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

### Band 28 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
44.32	-73.54	3.91	-69.63	-36	-33.63	PASS
116.00	-68.17	6.95	-61.22	-36	-25.22	PASS
547.32	-62.05	9.27	-52.78	-36	-16.78	PASS
792.15	-69.63	9.75	-59.88	-36	-23.88	PASS

Remark:

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

### Band 28 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1572.10	-55.59	18.05	-37.54	-30	-7.54	PASS
2169.65	-49.45	15.75	-33.70	-30	-3.70	PASS
3496.14	-49.75	13.06	-36.69	-30	-6.69	PASS
9019.91	-65.15	12.52	-52.63	-30	-22.63	PASS

Remark:

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

### Band 28 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
63.17	-71.05	3.91	-67.14	-36	-31.14	PASS
111.67	-71.62	6.95	-64.67	-36	-28.67	PASS
213.14	-61.13	9.27	-51.86	-36	-15.86	PASS
661.02	-68.91	9.75	-59.16	-36	-23.16	PASS

Remark:

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

### Band 28 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1495.76	-55.9	18.05	-37.85	-30	-7.85	PASS
2048.50	-54.66	15.75	-38.91	-30	-8.91	PASS
3705.95	-63.23	13.06	-50.17	-30	-20.17	PASS
9407.88	-63.11	12.52	-50.59	-30	-20.59	PASS

Remark:

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

### Band 28 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
65.57	-62.39	3.91	-58.48	-36	-22.48	PASS
102.68	-76.29	6.95	-69.34	-36	-33.34	PASS
261.74	-74.55	9.27	-65.28	-36	-29.28	PASS
612.90	-69.36	9.75	-59.61	-36	-23.61	PASS

Remark:

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

### Band 28 CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1494.16	-60.57	18.05	-42.52	-30	-12.52	PASS
2470.74	-59.61	15.75	-43.86	-30	-13.86	PASS
3633.55	-58.95	13.06	-45.89	-30	-15.89	PASS
7111.65	-51.69	12.52	-39.17	-30	-9.17	PASS

Remark:

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

### Band 28 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
46.01	-74.77	3.91	-70.86	-36	-34.86	PASS
150.22	-78.64	6.95	-71.69	-36	-35.69	PASS
359.01	-71.58	9.27	-62.31	-36	-26.31	PASS
654.23	-61.69	9.75	-51.94	-36	-15.94	PASS

Remark:

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

### Band 28 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1715.90	-59.89	18.05	-41.84	-30	-11.84	PASS
2379.55	-58.2	15.75	-42.45	-30	-12.45	PASS
3060.26	-50.64	13.06	-37.58	-30	-7.58	PASS
4552.20	-63.7	12.52	-51.18	-30	-21.18	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
56.98	H	-70.01	8.07	-61.94	-57	-4.94	PASS
127.32	H	-76.01	7.62	-68.39	-57	-11.39	PASS
473.33	H	-74.73	5.62	-69.11	-57	-12.11	PASS
865.53	H	-81.05	8.80	-72.25	-57	-15.25	PASS
90.59	V	-87.00	2.77	-84.23	-57	-27.23	PASS
175.95	V	-80.49	7.04	-73.45	-57	-16.45	PASS
540.98	V	-73.60	5.42	-68.18	-57	-11.18	PASS
841.50	V	-86.49	4.44	-82.05	-57	-25.05	PASS

Remark:

- 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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1332.23	V	-76.95	8.92	-68.03	-47	-21.03	PASS
2482.76	V	-72.76	14.79	-57.97	-47	-10.97	PASS
3130.03	V	-77.56	11.97	-65.59	-47	-18.59	PASS
8312.89	V	-69.64	14.58	-55.06	-47	-8.06	PASS
1159.94	H	-72.21	11.13	-61.08	-47	-14.08	PASS
2142.54	H	-76.98	8.20	-68.78	-47	-21.78	PASS
3835.37	H	-69.61	11.93	-57.68	-47	-10.68	PASS
10623.19	H	-64.94	14.12	-50.82	-47	-3.82	PASS

Remark:

- 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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
62.83	H	-69.26	8.07	-61.19	-57	-4.19	PASS
194.54	H	-88.11	7.62	-80.49	-57	-23.49	PASS
331.64	H	-70.07	5.62	-64.45	-57	-7.45	PASS
646.49	H	-82.49	8.80	-73.69	-57	-16.69	PASS
72.51	V	-84.66	2.77	-81.89	-57	-24.89	PASS
119.38	V	-85.19	7.04	-78.15	-57	-21.15	PASS
463.65	V	-86.81	5.42	-81.39	-57	-24.39	PASS
647.41	V	-88.90	4.44	-84.46	-57	-27.46	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1558.93	V	-66.24	8.92	-57.32	-47	-10.32	PASS
2933.77	V	-78.26	14.79	-63.47	-47	-16.47	PASS
3695.33	V	-77.03	11.97	-65.06	-47	-18.06	PASS
5428.54	V	-68.56	14.58	-53.98	-47	-6.98	PASS
1291.98	H	-77.71	11.13	-66.58	-47	-19.58	PASS
2158.58	H	-67.49	8.20	-59.29	-47	-12.29	PASS
3750.59	H	-64.59	11.93	-52.66	-47	-5.66	PASS
9265.06	H	-76.57	14.12	-62.45	-47	-15.45	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
61.04	H	-82.32	8.07	-74.25	-57	-17.25	PASS
128.53	H	-74.51	7.62	-66.89	-57	-9.89	PASS
216.27	H	-80.08	5.62	-74.46	-57	-17.46	PASS
612.11	H	-86.31	8.80	-77.51	-57	-20.51	PASS
30.19	V	-71.61	2.77	-68.84	-57	-11.84	PASS
176.29	V	-88.00	7.04	-80.96	-57	-23.96	PASS
246.41	V	-81.17	5.42	-75.75	-57	-18.75	PASS
664.07	V	-70.14	4.44	-65.70	-57	-8.70	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1552.52	V	-67.80	8.92	-58.88	-47	-11.88	PASS
2262.43	V	-78.37	14.79	-63.58	-47	-16.58	PASS
3378.00	V	-64.87	11.97	-52.90	-47	-5.90	PASS
8112.70	V	-69.08	14.58	-54.50	-47	-7.50	PASS
1933.68	H	-64.97	11.13	-53.84	-47	-6.84	PASS
2037.63	H	-76.97	8.20	-68.77	-47	-21.77	PASS
3867.59	H	-65.94	11.93	-54.01	-47	-7.01	PASS
4261.09	H	-64.27	14.12	-50.15	-47	-3.15	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.14	H	-74.47	8.07	-66.40	-57	-9.40	PASS
144.98	H	-71.24	7.62	-63.62	-57	-6.62	PASS
341.09	H	-78.96	5.62	-73.34	-57	-16.34	PASS
648.25	H	-72.15	8.80	-63.35	-57	-6.35	PASS
77.10	V	-75.58	2.77	-72.81	-57	-15.81	PASS
150.20	V	-77.00	7.04	-69.96	-57	-12.96	PASS
401.63	V	-81.42	5.42	-76.00	-57	-19.00	PASS
642.13	V	-69.51	4.44	-65.07	-57	-8.07	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1036.49	V	-67.94	8.92	-59.02	-47	-12.02	PASS
2142.36	V	-77.56	14.79	-62.77	-47	-15.77	PASS
3632.06	V	-73.52	11.97	-61.55	-47	-14.55	PASS
6822.85	V	-73.41	14.58	-58.83	-47	-11.83	PASS
1582.80	H	-70.28	11.13	-59.15	-47	-12.15	PASS
2425.31	H	-73.31	8.20	-65.11	-47	-18.11	PASS
3033.81	H	-65.65	11.93	-53.72	-47	-6.72	PASS
10083.46	H	-77.16	14.12	-63.04	-47	-16.04	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
78.74	H	-71.96	8.07	-63.89	-57	-6.89	PASS
106.34	H	-85.47	7.62	-77.85	-57	-20.85	PASS
508.90	H	-72.14	5.62	-66.52	-57	-9.52	PASS
628.63	H	-85.54	8.80	-76.74	-57	-19.74	PASS
69.51	V	-79.00	2.77	-76.23	-57	-19.23	PASS
174.18	V	-81.56	7.04	-74.52	-57	-17.52	PASS
385.00	V	-84.88	5.42	-79.46	-57	-22.46	PASS
828.91	V	-80.18	4.44	-75.74	-57	-18.74	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1606.06	V	-64.04	8.92	-55.12	-47	-8.12	PASS
2244.84	V	-79.33	14.79	-64.54	-47	-17.54	PASS
3515.30	V	-70.90	11.97	-58.93	-47	-11.93	PASS
5255.69	V	-69.40	14.58	-54.82	-47	-7.82	PASS
1224.34	H	-65.17	11.13	-54.04	-47	-7.04	PASS
2916.96	H	-66.17	8.20	-57.97	-47	-10.97	PASS
3313.51	H	-70.60	11.93	-58.67	-47	-11.67	PASS
9784.84	H	-75.50	14.12	-61.38	-47	-14.38	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
50.51	H	-82.33	8.07	-74.26	-57	-17.26	PASS
185.87	H	-72.87	7.62	-65.25	-57	-8.25	PASS
348.77	H	-71.83	5.62	-66.21	-57	-9.21	PASS
806.86	H	-71.58	8.80	-62.78	-57	-5.78	PASS
44.11	V	-89.43	2.77	-86.66	-57	-29.66	PASS
119.66	V	-77.89	7.04	-70.85	-57	-13.85	PASS
350.82	V	-69.07	5.42	-63.65	-57	-6.65	PASS
637.88	V	-82.58	4.44	-78.14	-57	-21.14	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1967.19	V	-77.19	8.92	-68.27	-47	-21.27	PASS
2716.17	V	-67.94	14.79	-53.15	-47	-6.15	PASS
3484.64	V	-67.42	11.97	-55.45	-47	-8.45	PASS
11928.25	V	-68.07	14.58	-53.49	-47	-6.49	PASS
1579.15	H	-71.25	11.13	-60.12	-47	-13.12	PASS
2107.78	H	-67.19	8.20	-58.99	-47	-11.99	PASS
3534.43	H	-78.83	11.93	-66.90	-47	-19.90	PASS
8422.61	H	-66.90	14.12	-52.78	-47	-5.78	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
70.31	H	-71.11	8.07	-63.04	-57	-6.04	PASS
189.19	H	-77.02	7.62	-69.40	-57	-12.40	PASS
227.62	H	-76.78	5.62	-71.16	-57	-14.16	PASS
677.46	H	-79.87	8.80	-71.07	-57	-14.07	PASS
36.58	V	-76.74	2.77	-73.97	-57	-16.97	PASS
97.02	V	-79.31	7.04	-72.27	-57	-15.27	PASS
352.17	V	-78.36	5.42	-72.94	-57	-15.94	PASS
794.52	V	-79.31	4.44	-74.87	-57	-17.87	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1005.25	V	-65.65	8.92	-56.73	-47	-9.73	PASS
2031.73	V	-65.14	14.79	-50.35	-47	-3.35	PASS
3685.53	V	-65.57	11.97	-53.60	-47	-6.60	PASS
10093.77	V	-64.89	14.58	-50.31	-47	-3.31	PASS
1931.49	H	-69.32	11.13	-58.19	-47	-11.19	PASS
2371.48	H	-65.07	8.20	-56.87	-47	-9.87	PASS
3622.64	H	-69.63	11.93	-57.70	-47	-10.70	PASS
11822.30	H	-69.21	14.12	-55.09	-47	-8.09	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
86.57	H	-75.76	8.07	-67.69	-57	-10.69	PASS
162.30	H	-69.58	7.62	-61.96	-57	-4.96	PASS
315.29	H	-73.24	5.62	-67.62	-57	-10.62	PASS
677.96	H	-69.95	8.80	-61.15	-57	-4.15	PASS
82.73	V	-70.94	2.77	-68.17	-57	-11.17	PASS
185.84	V	-73.60	7.04	-66.56	-57	-9.56	PASS
484.68	V	-72.60	5.42	-67.18	-57	-10.18	PASS
697.16	V	-71.46	4.44	-67.02	-57	-10.02	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1145.45	V	-64.02	8.92	-55.10	-47	-8.10	PASS
2432.03	V	-66.50	14.79	-51.71	-47	-4.71	PASS
3636.89	V	-66.22	11.97	-54.25	-47	-7.25	PASS
4610.63	V	-66.39	14.58	-51.81	-47	-4.81	PASS
1936.64	H	-67.87	11.13	-56.74	-47	-9.74	PASS
2765.42	H	-67.75	8.20	-59.55	-47	-12.55	PASS
3207.98	H	-66.71	11.93	-54.78	-47	-7.78	PASS
4829.34	H	-65.52	14.12	-51.40	-47	-4.40	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
73.99	H	-77.31	8.07	-69.24	-57	-12.24	PASS
185.30	H	-75.37	7.62	-67.75	-57	-10.75	PASS
308.80	H	-73.95	5.62	-68.33	-57	-11.33	PASS
655.79	H	-69.56	8.80	-60.76	-57	-3.76	PASS
81.68	V	-70.52	2.77	-67.75	-57	-10.75	PASS
140.00	V	-71.46	7.04	-64.42	-57	-7.42	PASS
446.36	V	-75.98	5.42	-70.56	-57	-13.56	PASS
602.40	V	-78.02	4.44	-73.58	-57	-16.58	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1581.26	V	-64.88	8.92	-55.96	-47	-8.96	PASS
2508.41	V	-67.26	14.79	-52.47	-47	-5.47	PASS
3649.65	V	-69.54	11.97	-57.57	-47	-10.57	PASS
10495.91	V	-69.97	14.58	-55.39	-47	-8.39	PASS
1308.04	H	-65.77	11.13	-54.64	-47	-7.64	PASS
2435.46	H	-64.34	8.20	-56.14	-47	-9.14	PASS
3129.60	H	-69.38	11.93	-57.45	-47	-10.45	PASS
7007.30	H	-65.94	14.12	-51.82	-47	-4.82	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 10M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
51.43	H	-82.55	8.07	-74.48	-57	-17.48	PASS
198.70	H	-86.99	7.62	-79.37	-57	-22.37	PASS
295.84	H	-80.26	5.62	-74.64	-57	-17.64	PASS
744.88	H	-89.05	8.80	-80.25	-57	-23.25	PASS
67.69	V	-86.65	2.77	-83.88	-57	-26.88	PASS
139.07	V	-70.95	7.04	-63.91	-57	-6.91	PASS
570.42	V	-82.46	5.42	-77.04	-57	-20.04	PASS
794.16	V	-71.13	4.44	-66.69	-57	-9.69	PASS

Remark:

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

Band 8 CH L 10M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1453.14	V	-72.84	8.92	-63.92	-47	-16.92	PASS
2705.60	V	-67.53	14.79	-52.74	-47	-5.74	PASS
3408.37	V	-74.14	11.97	-62.17	-47	-15.17	PASS
8714.50	V	-76.65	14.58	-62.07	-47	-15.07	PASS
1268.47	H	-78.25	11.13	-67.12	-47	-20.12	PASS
2427.74	H	-78.35	8.20	-70.15	-47	-23.15	PASS
3589.03	H	-70.60	11.93	-58.67	-47	-11.67	PASS
7479.02	H	-74.98	14.12	-60.86	-47	-13.86	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
65.56	H	-73.68	8.07	-65.61	-57	-8.61	PASS
104.61	H	-78.70	7.62	-71.08	-57	-14.08	PASS
550.76	H	-73.77	5.62	-68.15	-57	-11.15	PASS
764.81	H	-75.05	8.80	-66.25	-57	-9.25	PASS
52.13	V	-79.44	2.77	-76.67	-57	-19.67	PASS
193.87	V	-71.81	7.04	-64.77	-57	-7.77	PASS
219.15	V	-80.12	5.42	-74.70	-57	-17.70	PASS
767.75	V	-88.84	4.44	-84.40	-57	-27.40	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1465.82	V	-77.92	8.92	-69.00	-47	-22.00	PASS
2897.99	V	-76.31	14.79	-61.52	-47	-14.52	PASS
3916.95	V	-72.94	11.97	-60.97	-47	-13.97	PASS
11957.97	V	-64.67	14.58	-50.09	-47	-3.09	PASS
1096.53	H	-74.81	11.13	-63.68	-47	-16.68	PASS
2715.38	H	-75.78	8.20	-67.58	-47	-20.58	PASS
3413.04	H	-72.99	11.93	-61.06	-47	-14.06	PASS
4331.42	H	-78.26	14.12	-64.14	-47	-17.14	PASS

Remark:

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



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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
81.45	H	-74.51	8.07	-66.44	-57	-9.44	PASS
153.64	H	-83.79	7.62	-76.17	-57	-19.17	PASS
409.96	H	-73.95	5.62	-68.33	-57	-11.33	PASS
797.60	H	-76.44	8.80	-67.64	-57	-10.64	PASS
49.86	V	-78.78	2.77	-76.01	-57	-19.01	PASS
187.79	V	-81.49	7.04	-74.45	-57	-17.45	PASS
475.31	V	-76.79	5.42	-71.37	-57	-14.37	PASS
876.92	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 10M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
2000.30	V	-73.64	8.92	-64.72	-47	-17.72	PASS
2631.81	V	-67.91	14.79	-53.12	-47	-6.12	PASS
3490.23	V	-66.96	11.97	-54.99	-47	-7.99	PASS
5037.16	V	-71.48	14.58	-56.90	-47	-9.90	PASS
1388.22	H	-72.36	11.13	-61.23	-47	-14.23	PASS
2993.58	H	-75.83	8.20	-67.63	-47	-20.63	PASS
3383.69	H	-72.02	11.93	-60.09	-47	-13.09	PASS
5644.29	H	-78.67	14.12	-64.55	-47	-17.55	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 10M, 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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
87.50	H	-70.99	8.07	-62.92	-57	-5.92	PASS
118.79	H	-69.99	7.62	-62.37	-57	-5.37	PASS
469.78	H	-88.77	5.62	-83.15	-57	-26.15	PASS
835.58	H	-79.26	8.80	-70.46	-57	-13.46	PASS
42.72	V	-86.86	2.77	-84.09	-57	-27.09	PASS
134.02	V	-70.77	7.04	-63.73	-57	-6.73	PASS
347.20	V	-74.94	5.42	-69.52	-57	-12.52	PASS
871.88	V	-89.70	4.44	-85.26	-57	-28.26	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1347.14	V	-67.54	8.92	-58.62	-47	-11.62	PASS
2396.88	V	-71.21	14.79	-56.42	-47	-9.42	PASS
3414.71	V	-65.45	11.97	-53.48	-47	-6.48	PASS
8774.62	V	-64.28	14.58	-49.70	-47	-2.70	PASS
1447.04	H	-75.94	11.13	-64.81	-47	-17.81	PASS
2184.37	H	-67.92	8.20	-59.72	-47	-12.72	PASS
3247.90	H	-78.58	11.93	-66.65	-47	-19.65	PASS
5717.58	H	-78.70	14.12	-64.58	-47	-17.58	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
76.78	H	-79.63	8.07	-71.56	-57	-14.56	PASS
119.95	H	-71.42	7.62	-63.80	-57	-6.80	PASS
381.17	H	-72.88	5.62	-67.26	-57	-10.26	PASS
730.34	H	-75.64	8.80	-66.84	-57	-9.84	PASS
75.46	V	-88.86	2.77	-86.09	-57	-29.09	PASS
98.51	V	-85.78	7.04	-78.74	-57	-21.74	PASS
529.95	V	-80.05	5.42	-74.63	-57	-17.63	PASS
671.15	V	-76.47	4.44	-72.03	-57	-15.03	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1750.01	V	-68.46	8.92	-59.54	-47	-12.54	PASS
2781.45	V	-71.79	14.79	-57.00	-47	-10.00	PASS
3966.21	V	-72.15	11.97	-60.18	-47	-13.18	PASS
10331.16	V	-68.67	14.58	-54.09	-47	-7.09	PASS
1254.14	H	-75.85	11.13	-64.72	-47	-17.72	PASS
2305.25	H	-67.71	8.20	-59.51	-47	-12.51	PASS
3389.50	H	-68.92	11.93	-56.99	-47	-9.99	PASS
8706.10	H	-67.28	14.12	-53.16	-47	-6.16	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
78.30	H	-88.95	8.07	-80.88	-57	-23.88	PASS
91.02	H	-87.41	7.62	-79.79	-57	-22.79	PASS
223.92	H	-84.36	5.62	-78.74	-57	-21.74	PASS
778.63	H	-73.77	8.80	-64.97	-57	-7.97	PASS
33.85	V	-74.72	2.77	-71.95	-57	-14.95	PASS
147.58	V	-82.85	7.04	-75.81	-57	-18.81	PASS
262.98	V	-77.89	5.42	-72.47	-57	-15.47	PASS
735.16	V	-83.43	4.44	-78.99	-57	-21.99	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	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1456.30	V	-69.21	8.92	-60.29	-47	-13.29	PASS
2833.98	V	-74.81	14.79	-60.02	-47	-13.02	PASS
3101.04	V	-71.81	11.97	-59.84	-47	-12.84	PASS
11855.65	V	-79.11	14.58	-64.53	-47	-17.53	PASS
1883.12	H	-74.50	11.13	-63.37	-47	-16.37	PASS
2070.52	H	-75.39	8.20	-67.19	-47	-20.19	PASS
3580.09	H	-74.70	11.93	-62.77	-47	-15.77	PASS
5706.64	H	-70.36	14.12	-56.24	-47	-9.24	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.

Band 28 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
56.71	H	-71.27	8.07	-63.20	-57	-6.20	PASS
188.44	H	-74.29	7.62	-66.67	-57	-9.67	PASS
283.12	H	-75.63	5.62	-70.01	-57	-13.01	PASS
713.71	H	-69.56	8.80	-60.76	-57	-3.76	PASS
46.91	V	-79.14	2.77	-76.37	-57	-19.37	PASS
198.28	V	-73.20	7.04	-66.16	-57	-9.16	PASS
300.96	V	-78.63	5.42	-73.21	-57	-16.21	PASS
810.84	V	-72.22	4.44	-67.78	-57	-10.78	PASS

Remark:

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

Band 28 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1028.71	V	-64.79	8.92	-55.87	-47	-8.87	PASS
2875.62	V	-68.80	14.79	-54.01	-47	-7.01	PASS
3064.79	V	-65.98	11.97	-54.01	-47	-7.01	PASS
5848.42	V	-65.42	14.58	-50.84	-47	-3.84	PASS
1937.70	H	-68.67	11.13	-57.54	-47	-10.54	PASS
2902.80	H	-69.90	8.20	-61.70	-47	-14.70	PASS
3383.61	H	-64.49	11.93	-52.56	-47	-5.56	PASS
6233.54	H	-65.70	14.12	-51.58	-47	-4.58	PASS

Remark:

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

Band 28 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
85.67	H	-78.68	8.07	-70.61	-57	-13.61	PASS
111.73	H	-77.08	7.62	-69.46	-57	-12.46	PASS
326.70	H	-77.82	5.62	-72.20	-57	-15.20	PASS
741.05	H	-69.46	8.80	-60.66	-57	-3.66	PASS
50.28	V	-77.03	2.77	-74.26	-57	-17.26	PASS
160.64	V	-71.87	7.04	-64.83	-57	-7.83	PASS
332.63	V	-74.18	5.42	-68.76	-57	-11.76	PASS
755.99	V	-73.78	4.44	-69.34	-57	-12.34	PASS

Remark:

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

Band 28 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1052.52	V	-64.99	8.92	-56.07	-47	-9.07	PASS
2107.09	V	-67.10	14.79	-52.31	-47	-5.31	PASS
3537.55	V	-69.41	11.97	-57.44	-47	-10.44	PASS
8957.61	V	-69.71	14.58	-55.13	-47	-8.13	PASS
1085.63	H	-67.09	11.13	-55.96	-47	-8.96	PASS
2826.35	H	-65.34	8.20	-57.14	-47	-10.14	PASS
3905.77	H	-66.01	11.93	-54.08	-47	-7.08	PASS
8429.87	H	-66.71	14.12	-52.59	-47	-5.59	PASS

Remark:

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



Band 28 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
73.98	H	-76.49	8.07	-68.42	-57	-11.42	PASS
148.57	H	-73.01	7.62	-65.39	-57	-8.39	PASS
480.13	H	-75.60	5.62	-69.98	-57	-12.98	PASS
730.21	H	-78.90	8.80	-70.10	-57	-13.10	PASS
63.59	V	-72.75	2.77	-69.98	-57	-12.98	PASS
97.79	V	-77.48	7.04	-70.44	-57	-13.44	PASS
472.81	V	-71.38	5.42	-65.96	-57	-8.96	PASS
736.82	V	-77.24	4.44	-72.80	-57	-15.80	PASS

Remark:

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

Band 28 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1221.01	V	-65.78	8.92	-56.86	-47	-9.86	PASS
2064.29	V	-67.68	14.79	-52.89	-47	-5.89	PASS
3483.48	V	-66.81	11.97	-54.84	-47	-7.84	PASS
8004.90	V	-67.48	14.58	-52.90	-47	-5.90	PASS
1085.38	H	-65.21	11.13	-54.08	-47	-7.08	PASS
2661.51	H	-65.80	8.20	-57.60	-47	-10.60	PASS
3194.44	H	-64.96	11.93	-53.03	-47	-6.03	PASS
6708.71	H	-68.96	14.12	-54.84	-47	-7.84	PASS

Remark:

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

Note: The test band 28 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  $\mu$ s 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	-44.15	-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**

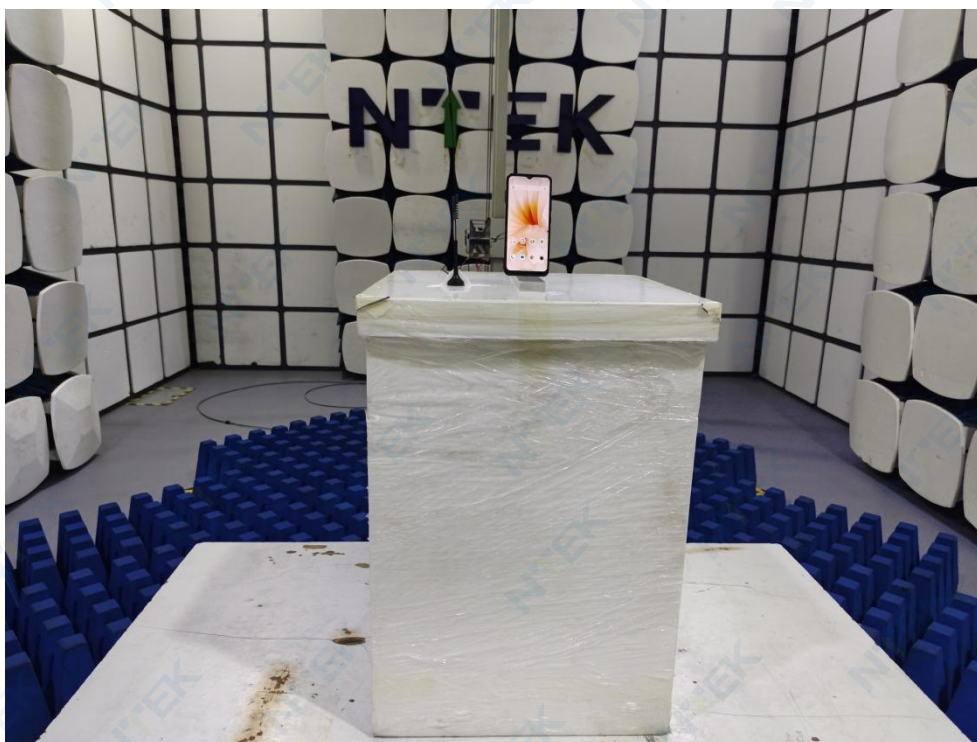
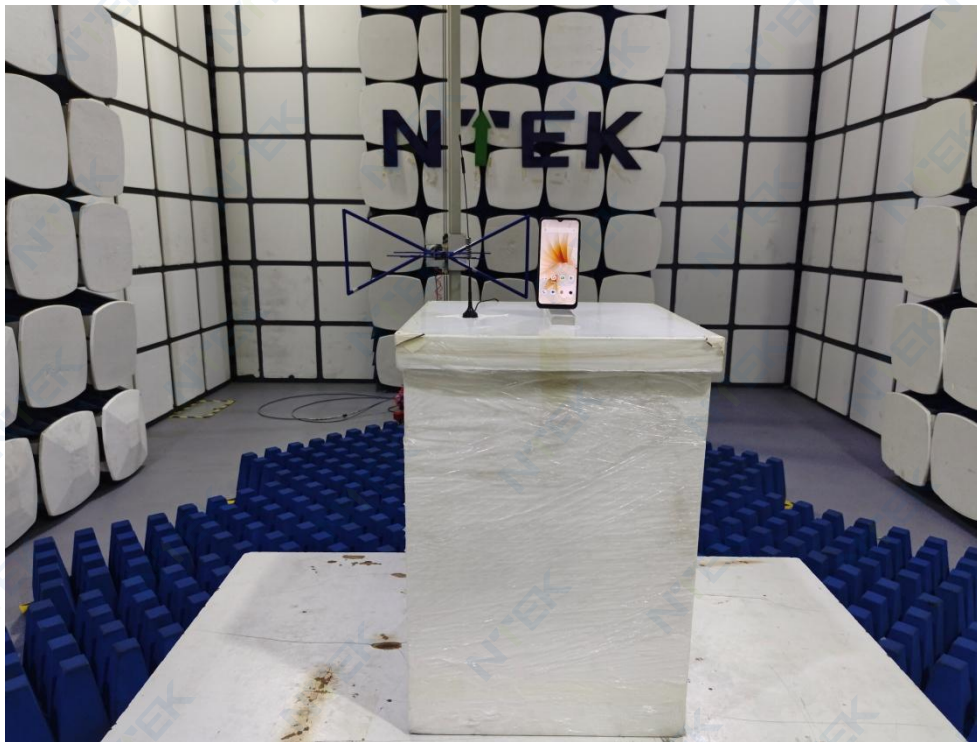
Temperature	18~22° C
Relative Humidity	45~66%
ATM Pressure	101.1~101.7kPa

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