



# **RADIO TEST REPORT**

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

## **ETSI EN 301 908-13 V13.2.1 (2022-02)**

**Product :** Smart phone

**Trade Mark :** Blackview

**Model Name :** A53

**Family Model :** N/A

**Report No. :** STR221216001008E

### **Prepared for**

DOKE COMMUNICATION (HK) LIMITED  
RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI  
HK CHINA

### **Prepared by**

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### TEST RESULT CERTIFICATION

**Applicant's name** ..... : DOKE COMMUNICATION (HK) LIMITED  
**Address** ..... : RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD  
 WANCHAI HK CHINA  
**Manufacturer's Name** ..... : Shenzhen DOKE Electronic Co.,Ltd  
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 Guangming District, Shenzhen, China

**Product description**

**Product name**..... : Smart phone  
**Trademark** ..... : Blackview  
**Model Name** ..... : A53  
**Family Model** ..... : N/A

**Standards** ..... : ETSI EN 301 908-1 V13.1.1 (2019-11)  
 ETSI EN 301 908-13 V13.2.1 (2022-02)

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** ..... T221216001R0030


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

Date (s) of performance of tests..... Dec 16, 2022 ~ Jan 11, 2023

Date of Issue..... Jan 11, 2023

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

Testing Engineer :   
 \_\_\_\_\_  
 (Mary Hu)

Authorized Signatory :   
 \_\_\_\_\_  
 (Alex Li)

**Table of Contents** **Page**

<b>1.SUMMARY OF TEST RESULTS .....</b>	<b>5</b>
1.1 TEST FACILITY.....	6
1.2 MEASUREMENT UNCERTAINTY .....	6
<b>2.GENERAL INFORMATION .....</b>	<b>7</b>
2.1 GENERAL DESCRIPTION OF EUT.....	7
2.2 LIST OF TEST EQUIPMENTS .....	8
2.3 TEST ENVIRONMENT/CONDITIONS .....	9
2.4 TEST MODE.....	10
2.5 TEST SETUP.....	14
<b>3. SUMMARY OF THE REPORT.....</b>	<b>15</b>
3.1 TERMS IN THE COLUMN “VERDICT” FOR THE TEST RESULTS LIST OF THISSECTION: .....	15
<b>D.1. RADIATED SPURIOUS EMISSIONS. ....</b>	<b>20</b>
<b>D.2. CONTROL AND MONITORING FUNCTIONS (UE) .....</b>	<b>116</b>
<b>D.3. OUT-OF-SYNCHRONIZATION HANDLING OF OUTPUT POWER.....</b>	<b>117</b>
<b>PHOTOGRAPHS OF THE TEST SETUP.....</b>	<b>120</b>

**Revision History**

Report No.	Version	Description	Issued Date
STR221216001008E	Rev.01	Initial issue of report	Jan 11, 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.

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

CNAS Registration No.:L5516

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded 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	Smart phone
Trade Mark	Blackview
Model Name	A53
Family Model:	N/A
Model Difference:	N/A
Frequency Bands:	E-UTRA FDD I, III, VII, VIII, XX E-UTRA TDD XL
Frequency Bands:	FDD Band I: Uplink: 1920 MHz to 1980MHz Downlink: 2110 MHz to 2170 MHz FDD Band III: Uplink:1710 MHz to 1785 MHz Downlink: 1805 MHz to 1880 MHz FDD Band VII: Uplink: 2500 MHz to 2570 MHz Downlink: 2620 MHz to 2690 MHz FDD Band VIII: Uplink: 880MHz to 915 MHz Downlink: 925 MHz to 960 MHz FDD Band XX: Uplink: 832 MHz to 862 MHz Downlink: 791 MHz to 821 MHz TDD Band XL: Uplink & Downlink: 2300 MHz to 2400 MHz
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	Model: QZ-01000EA00 Input: 100-240V~50/60Hz 0.3A Output: 5.0V---2.0A (10.0W)
Battery	DC 3.87V, 5080mAh, 19.66Wh
Rating	DC 3.87V from battery or DC 5V from adapter
Antenna:	PIFA Antenna
Antenna Gain:	0.6 dBi
Hardware Version	HCT-M659MB-A2
Software Version	A53_EEA_M659_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	2022.04.01	2023.03.31	1 year
2	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
5	Spectrum Analyzer	Agilent	N9020A	MY46471732	2022.04.01	2023.03.31	1 year
6	Horn Antenna	EM	EM-AH-20180	2011071402	2022.03.31	2023.03.30	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.11.07	2023.11.06	1 year
8	Amplifier	EMC	EMC051835S E	980246	2022.06.17	2023.06.16	1 year
9	Loop Antenna	ARA	PLA-2030/B	1029	2022.03.31	2023.03.30	1 year
10	Temperature & Humidity Chamber	GIANT FORCE	GTH-056P	GF-94454-1	2022.06.17	2023.06.16	1 year
11	LTE Wireless Communications Test Set	R&S	CMW500	1100.008.02	2022.06.16	2023.06.15	1 year
12	Power Splitter	Mini-Circuits	ZN2PD-63-S+	SF025101428	2020.04..07	2023.04.06	3 year
13	Wireless Communication Test	Anritsu	MT8821C	6262192315	2022.11.08	2023.11.07	1 year
14	Power Meter	DARE	RPR3006W	15I00041SNO8 4	2022.06.16	2023.06.15	1 year
15	ESG VETCTOR SIGNAL GENERAROR	Agilent	E4438C	MY45093347	2022.04.01	2023.03.31	1 year
16	Spectrum Analyzer	R&S	FSV40	101417	2022.06.16	2023.06.15	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 4.2V

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

## 2.4 TEST MODE

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

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

LTE FDD Band XX mode	5MHz	QPSK/ 16QAM	Ch 24175
			Ch 24300
			Ch 24425
	10MHz	QPSK/ 16QAM	Ch 24200
			Ch 24300
			Ch 24400
	20MHz	QPSK/ 16QAM	Ch 24250
			Ch 24300
			Ch 24350
TDD Band XL Mode	5MHz	QPSK/ 16QAM	Ch 38675
			Ch 39150
			Ch 39625
	10MHz	QPSK/ 16QAM	Ch 38700
			Ch 39150
			Ch 39600
	20MHz	QPSK/ 16QAM	Ch 38750
			Ch 39150
			Ch 39550

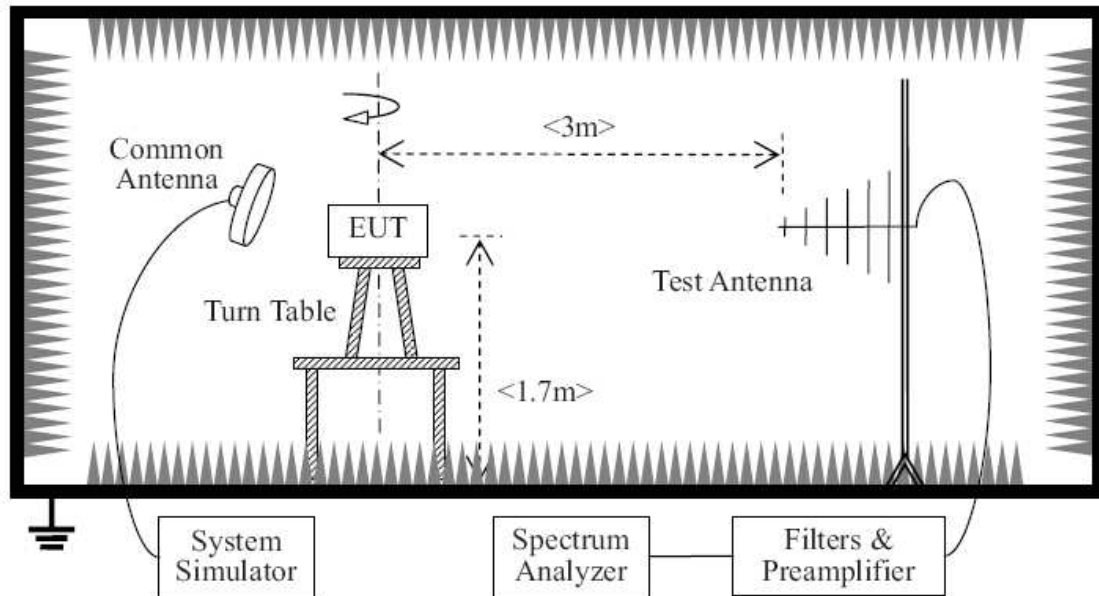
Table 2

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

## 2.5 TEST SETUP

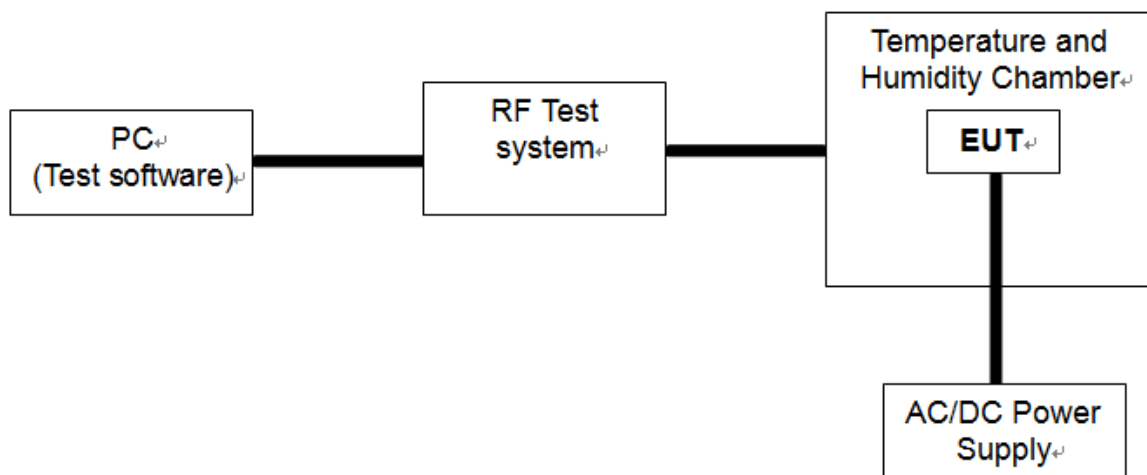
### 1. Radiated Spurious Emission Test Setup



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			
TDD Band XL						

**Table 2** EN Requirements Table

The test data please refer to the APPENDIX A & APPENDIX B & 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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	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 TDD Band XL	A01	PASS	Appendix A - LTE - Normal
4.2.13		Receiver Total Radiated Sensitivity (TRS)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX FDD Band XXVIII TDD Band XL	N/A <sup>Note2</sup>	N/A <sup>Note2</sup>	N/A <sup>Note2</sup>
4.2.14		Total Radiated Power (TRP)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX FDD Band XXVIII TDD Band XL	N/A <sup>Note2</sup>	N/A <sup>Note2</sup>	N/A <sup>Note2</sup>

Note 1: Receiver Spurious Response is just for the out-of-band blocking limit is not met.

Note 2: The TRS and TRP requirement applies to handheld phones/DUTs that are wider than or equal to 56 mm and narrower than or equal to 72 mm. The wider of this DUT is 75mm.

# **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 (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
65.31	-70.35	3.91	-66.44	-36	-30.44	PASS
143.67	-64.8	6.95	-57.85	-36	-21.85	PASS
290.59	-72.06	9.27	-62.79	-36	-26.79	PASS
743.81	-75.14	9.75	-65.39	-36	-29.39	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1742.82	-54.03	18.05	-35.98	-30	-5.98	PASS
2720.91	-51.87	15.75	-36.12	-30	-6.12	PASS
3259.58	-52.06	13.06	-39.00	-30	-9.00	PASS
4389.57	-53.41	12.52	-40.89	-30	-10.89	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
35.75	-76.14	3.91	-72.23	-36	-36.23	PASS
147.66	-74.54	6.95	-67.59	-36	-31.59	PASS
464.51	-73.85	9.27	-64.58	-36	-28.58	PASS
752.40	-74.96	9.75	-65.21	-36	-29.21	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1353.84	-64.01	18.05	-45.96	-30	-15.96	PASS
2695.52	-51.05	15.75	-35.30	-30	-5.30	PASS
3566.50	-62.14	13.06	-49.08	-30	-19.08	PASS
10175.73	-60.7	12.52	-48.18	-30	-18.18	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
74.80	-75.38	3.91	-71.47	-36	-35.47	PASS
117.26	-77.91	6.95	-70.96	-36	-34.96	PASS
375.77	-72.23	9.27	-62.96	-36	-26.96	PASS
834.73	-66.67	9.75	-56.92	-36	-20.92	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1387.79	-60.16	18.05	-42.11	-30	-12.11	PASS
2375.81	-53.91	15.75	-38.16	-30	-8.16	PASS
3371.65	-49.72	13.06	-36.66	-30	-6.66	PASS
6694.44	-69.07	12.52	-56.55	-30	-26.55	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)	
89.07	-79.07	3.91	-75.16	-36	-39.16	PASS
106.15	-70.72	6.95	-63.77	-36	-27.77	PASS
523.56	-74.51	9.27	-65.24	-36	-29.24	PASS
769.90	-73.81	9.75	-64.06	-36	-28.06	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)	
1137.17	-53.82	18.05	-35.77	-30	-5.77	PASS
2452.50	-61.74	15.75	-45.99	-30	-15.99	PASS
3740.87	-67.18	13.06	-54.12	-30	-24.12	PASS
10831.62	-62.86	12.52	-50.34	-30	-20.34	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)	
32.02	-72.34	3.91	-68.43	-36	-32.43	PASS
187.02	-60.46	6.95	-53.51	-36	-17.51	PASS
520.02	-74.56	9.27	-65.29	-36	-29.29	PASS
878.92	-67.52	9.75	-57.77	-36	-21.77	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)	
1159.48	-65.84	18.05	-47.79	-30	-17.79	PASS
2806.27	-58.01	15.75	-42.26	-30	-12.26	PASS
3629.56	-65.01	13.06	-51.95	-30	-21.95	PASS
10332.93	-67.8	12.52	-55.28	-30	-25.28	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)	
76.44	-71.42	3.91	-67.51	-36	-31.51	PASS
147.31	-71.94	6.95	-64.99	-36	-28.99	PASS
223.64	-61.53	9.27	-52.26	-36	-16.26	PASS
836.22	-61.21	9.75	-51.46	-36	-15.46	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)	
1847.68	-64.83	18.05	-46.78	-30	-16.78	PASS
2554.33	-57.17	15.75	-41.42	-30	-11.42	PASS
3675.41	-52.8	13.06	-39.74	-30	-9.74	PASS
11334.47	-49.63	12.52	-37.11	-30	-7.11	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)	
32.10	-60.79	3.91	-56.88	-36	-20.88	PASS
111.14	-68.34	6.95	-61.39	-36	-25.39	PASS
330.12	-69.13	9.27	-59.86	-36	-23.86	PASS
756.90	-75.33	9.75	-65.58	-36	-29.58	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)	
1477.91	-67.35	18.05	-49.30	-30	-19.30	PASS
2943.00	-63.62	15.75	-47.87	-30	-17.87	PASS
3790.41	-69.76	13.06	-56.70	-30	-26.70	PASS
7942.11	-58.89	12.52	-46.37	-30	-16.37	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)	
51.69	-73.7	3.91	-69.79	-36	-33.79	PASS
187.21	-76.38	6.95	-69.43	-36	-33.43	PASS
261.08	-65.39	9.27	-56.12	-36	-20.12	PASS
601.76	-77.15	9.75	-67.40	-36	-31.40	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)	
1982.29	-49.62	18.05	-31.57	-30	-1.57	PASS
2558.67	-64.42	15.75	-48.67	-30	-18.67	PASS
3375.24	-67.72	13.06	-54.66	-30	-24.66	PASS
6340.84	-63.02	12.52	-50.50	-30	-20.50	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)	
34.59	-64.15	2.35	-61.80	-36	-25.80	PASS
106.08	-67.75	1.38	-66.37	-36	-30.37	PASS
354.61	-58.83	5.45	-53.38	-36	-17.38	PASS
667.87	-65.34	1.45	-63.89	-36	-27.89	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)	
2778.03	-60.40	15.91	-44.49	-30	-14.49	PASS
3515.86	-51.76	14.93	-36.83	-30	-6.83	PASS
6767.47	-55.94	16.55	-39.39	-30	-9.39	PASS
2778.03	-60.40	15.91	-44.49	-30	-14.49	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)	
33.32	-49.76	5.93	-43.83	-36	-7.83	PASS
98.98	-49.78	9.25	-40.53	-36	-4.53	PASS
564.78	-61.42	4.35	-57.07	-36	-21.07	PASS
781.33	-58.67	8.47	-50.20	-36	-14.20	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)	
1789.84	-61.82	18.25	-43.57	-30	-13.57	PASS
2603.46	-59.70	18.87	-40.83	-30	-10.83	PASS
3461.54	-63.64	13.86	-49.78	-30	-19.78	PASS
4191.14	-66.67	10.24	-56.43	-30	-26.43	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)	
39.89	-50.23	6.38	-43.85	-36	-7.85	PASS
149.67	-59.18	8.65	-50.53	-36	-14.53	PASS
425.91	-58.20	1.51	-56.69	-36	-20.69	PASS
701.27	-67.39	9.03	-58.36	-36	-22.36	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)	
1221.53	-53.70	11.72	-41.98	-30	-11.98	PASS
2875.05	-67.53	15.95	-51.58	-30	-21.58	PASS
3349.91	-68.50	12.25	-56.25	-30	-26.25	PASS
10313.75	-65.09	15.98	-49.11	-30	-19.11	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)	
84.83	-62.20	1.69	-60.51	-36	-24.51	PASS
188.18	-52.37	3.80	-48.57	-36	-12.57	PASS
459.70	-68.32	3.93	-64.39	-36	-28.39	PASS
810.85	-61.39	8.89	-52.50	-36	-16.50	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)	
1988.60	-56.61	15.40	-41.21	-30	-11.21	PASS
2637.60	-52.53	14.23	-38.30	-30	-8.30	PASS
3637.01	-57.06	18.65	-38.41	-30	-8.41	PASS
7742.31	-50.12	16.16	-33.96	-30	-3.96	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 1.4M QPSK H 30M-1G

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
49.22	-67.89	3.91	-63.98	-36	-27.98	PASS
177.34	-78.21	6.95	-71.26	-36	-35.26	PASS
228.02	-67.75	9.27	-58.48	-36	-22.48	PASS
862.93	-60.10	9.75	-50.35	-36	-14.35	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1949.41	-56.37	18.05	-38.32	-30	-8.32	PASS
2048.89	-56.77	15.75	-41.02	-30	-11.02	PASS
3877.94	-55.07	13.06	-42.01	-30	-12.01	PASS
4460.22	-54.19	12.52	-41.67	-30	-11.67	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)	
87.66	-68.80	3.91	-64.89	-36	-28.89	PASS
137.83	-67.04	6.95	-60.09	-36	-24.09	PASS
278.86	-61.28	9.27	-52.01	-36	-16.01	PASS
746.19	-71.63	9.75	-61.88	-36	-25.88	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)	
1215.88	-69.63	18.05	-51.58	-30	-21.58	PASS
2375.67	-58.76	15.75	-43.01	-30	-13.01	PASS
3367.59	-51.78	13.06	-38.72	-30	-8.72	PASS
6373.76	-57.28	12.52	-44.76	-30	-14.76	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)	
30.74	-62.28	3.91	-58.37	-36	-22.37	PASS
194.57	-79.60	6.95	-72.65	-36	-36.65	PASS
371.96	-64.93	9.27	-55.66	-36	-19.66	PASS
864.34	-70.13	9.75	-60.38	-36	-24.38	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)	
1384.21	-69.34	18.05	-51.29	-30	-21.29	PASS
2119.46	-61.64	15.75	-45.89	-30	-15.89	PASS
3353.36	-69.19	13.06	-56.13	-30	-26.13	PASS
5048.10	-54.8	12.52	-42.28	-30	-12.28	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.26	-64.93	3.91	-61.02	-36	-25.02	PASS
197.67	-62.16	6.95	-55.21	-36	-19.21	PASS
498.05	-62.89	9.27	-53.62	-36	-17.62	PASS
890.54	-64.54	9.75	-54.79	-36	-18.79	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)	
1924.29	-67.1	18.05	-49.05	-30	-19.05	PASS
2002.08	-60.21	15.75	-44.46	-30	-14.46	PASS
3978.68	-58.4	13.06	-45.34	-30	-15.34	PASS
8409.20	-63	12.52	-50.48	-30	-20.48	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)	
78.52	-73.63	3.91	-69.72	-36	-33.72	PASS
127.32	-72.87	6.95	-65.92	-36	-29.92	PASS
413.18	-65.74	9.27	-56.47	-36	-20.47	PASS
859.74	-62.83	9.75	-53.08	-36	-17.08	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)	
1657.32	-63.11	18.05	-45.06	-30	-15.06	PASS
2939.98	-67.18	15.75	-51.43	-30	-21.43	PASS
3632.02	-63.54	13.06	-50.48	-30	-20.48	PASS
11938.10	-62.94	12.52	-50.42	-30	-20.42	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)	
33.16	-66.60	3.91	-62.69	-36	-26.69	PASS
145.91	-72.50	6.95	-65.55	-36	-29.55	PASS
584.04	-62.27	9.27	-53.00	-36	-17.00	PASS
630.10	-67.99	9.75	-58.24	-36	-22.24	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)	
1677.53	-61.66	18.05	-43.61	-30	-13.61	PASS
2262.74	-49.6	15.75	-33.85	-30	-3.85	PASS
3114.76	-50.43	13.06	-37.37	-30	-7.37	PASS
8801.86	-66.36	12.52	-53.84	-30	-23.84	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 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
47.56	-79.85	3.91	-75.94	-36	-39.94	PASS
184.14	-77.84	6.95	-70.89	-36	-34.89	PASS
354.44	-72.91	9.27	-63.64	-36	-27.64	PASS
847.52	-69.10	9.75	-59.35	-36	-23.35	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)	
1872.73	-65.73	18.05	-47.68	-30	-17.68	PASS
2714.81	-63.37	15.75	-47.62	-30	-17.62	PASS
3948.56	-54.43	13.06	-41.37	-30	-11.37	PASS
10071.28	-67.69	12.52	-55.17	-30	-25.17	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)	
80.20	-61.59	3.91	-57.68	-36	-21.68	PASS
128.11	-63.84	6.95	-56.89	-36	-20.89	PASS
589.67	-68.16	9.27	-58.89	-36	-22.89	PASS
878.36	-72.36	9.75	-62.61	-36	-26.61	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)	
1909.21	-69.09	18.05	-51.04	-30	-21.04	PASS
2861.56	-56.49	15.75	-40.74	-30	-10.74	PASS
3790.26	-64.5	13.06	-51.44	-30	-21.44	PASS
8421.39	-67	12.52	-54.48	-30	-24.48	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)	
43.72	-74.07	3.91	-70.16	-36	-34.16	PASS
123.77	-72.98	6.95	-66.03	-36	-30.03	PASS
390.79	-62.48	9.27	-53.21	-36	-17.21	PASS
785.59	-69.12	9.75	-59.37	-36	-23.37	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)	
1452.31	-56.77	18.05	-38.72	-30	-8.72	PASS
2158.59	-59.32	15.75	-43.57	-30	-13.57	PASS
3402.16	-59.28	13.06	-46.22	-30	-16.22	PASS
4019.89	-68.81	12.52	-56.29	-30	-26.29	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)	
79.18	-69.12	3.91	-65.21	-36	-29.21	PASS
153.72	-60.65	6.95	-53.70	-36	-17.70	PASS
462.23	-60.96	9.27	-51.69	-36	-15.69	PASS
704.88	-73.13	9.75	-63.38	-36	-27.38	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)	
1042.72	-64.4	18.05	-46.35	-30	-16.35	PASS
2091.99	-56.24	15.75	-40.49	-30	-10.49	PASS
3300.31	-64.92	13.06	-51.86	-30	-21.86	PASS
9872.94	-65.45	12.52	-52.93	-30	-22.93	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)	
41.51	-61.95	3.91	-58.04	-36	-22.04	PASS
163.98	-76.05	6.95	-69.10	-36	-33.10	PASS
454.08	-63.26	9.27	-53.99	-36	-17.99	PASS
714.48	-67.99	9.75	-58.24	-36	-22.24	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)	
1793.14	-56.09	18.05	-38.04	-30	-8.04	PASS
2011.27	-55.24	15.75	-39.49	-30	-9.49	PASS
3027.69	-61.8	13.06	-48.74	-30	-18.74	PASS
4729.84	-49.1	12.52	-36.58	-30	-6.58	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)	
77.22	-62.66	3.91	-58.75	-36	-22.75	PASS
104.35	-66.41	6.95	-59.46	-36	-23.46	PASS
509.56	-72.24	9.27	-62.97	-36	-26.97	PASS
887.45	-61.30	9.75	-51.55	-36	-15.55	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)	
1812.73	-64.96	18.05	-46.91	-30	-16.91	PASS
2113.84	-54.25	15.75	-38.50	-30	-8.50	PASS
3809.42	-57.41	13.06	-44.35	-30	-14.35	PASS
11517.43	-57.98	12.52	-45.46	-30	-15.46	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 (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
52.71	-73.58	3.91	-69.67	-36	-33.67	PASS
162.66	-71.53	6.95	-64.58	-36	-28.58	PASS
453.30	-64.97	9.27	-55.70	-36	-19.70	PASS
850.52	-75.21	9.75	-65.46	-36	-29.46	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1894.35	-50.48	18.05	-32.43	-30	-2.43	PASS
2866.85	-50.61	15.75	-34.86	-30	-4.86	PASS
3526.33	-67.69	13.06	-54.63	-30	-24.63	PASS
10241.41	-64.84	12.52	-52.32	-30	-22.32	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)	
81.55	-62.82	3.91	-58.91	-36	-22.91	PASS
112.74	-59.04	6.95	-52.09	-36	-16.09	PASS
279.48	-63.92	9.27	-54.65	-36	-18.65	PASS
727.49	-67.85	9.75	-58.10	-36	-22.10	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)	
1837.03	-53.35	18.05	-35.30	-30	-5.30	PASS
2394.84	-62.04	15.75	-46.29	-30	-16.29	PASS
3916.59	-52.24	13.06	-39.18	-30	-9.18	PASS
5995.33	-61.3	12.52	-48.78	-30	-18.78	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)	
33.43	-75.60	3.91	-71.69	-36	-35.69	PASS
198.06	-77.62	6.95	-70.67	-36	-34.67	PASS
454.84	-66.44	9.27	-57.17	-36	-21.17	PASS
615.74	-77.75	9.75	-68.00	-36	-32.00	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)	
1016.07	-66.83	18.05	-48.78	-30	-18.78	PASS
2815.92	-62.21	15.75	-46.46	-30	-16.46	PASS
3109.60	-49.63	13.06	-36.57	-30	-6.57	PASS
5075.95	-69.18	12.52	-56.66	-30	-26.66	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)	
44.80	-79.99	3.91	-76.08	-36	-40.08	PASS
196.11	-59.16	6.95	-52.21	-36	-16.21	PASS
471.54	-77.79	9.27	-68.52	-36	-32.52	PASS
844.75	-72.71	9.75	-62.96	-36	-26.96	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)	
1013.91	-67.31	18.05	-49.26	-30	-19.26	PASS
2428.79	-56.65	15.75	-40.90	-30	-10.90	PASS
3378.90	-66.61	13.06	-53.55	-30	-23.55	PASS
11552.03	-69.5	12.52	-56.98	-30	-26.98	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)	
82.73	-74.85	3.91	-70.94	-36	-34.94	PASS
192.26	-72.39	6.95	-65.44	-36	-29.44	PASS
465.90	-72.76	9.27	-63.49	-36	-27.49	PASS
706.88	-78.59	9.75	-68.84	-36	-32.84	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)	
1099.33	-66.77	18.05	-48.72	-30	-18.72	PASS
2574.00	-55.13	15.75	-39.38	-30	-9.38	PASS
3389.42	-50.77	13.06	-37.71	-30	-7.71	PASS
4702.26	-51.89	12.52	-39.37	-30	-9.37	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)	
81.18	-72.65	3.91	-68.74	-36	-32.74	PASS
199.38	-60.02	6.95	-53.07	-36	-17.07	PASS
507.21	-74.84	9.27	-65.57	-36	-29.57	PASS
626.16	-61.31	9.75	-51.56	-36	-15.56	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)	
1961.35	-66.74	18.05	-48.69	-30	-18.69	PASS
2122.22	-58.03	15.75	-42.28	-30	-12.28	PASS
3144.92	-59.96	13.06	-46.90	-30	-16.90	PASS
8910.96	-59.03	12.52	-46.51	-30	-16.51	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)	
80.70	-49.57	3.91	-45.66	-36	-9.66	PASS
104.30	-50.82	6.95	-43.87	-36	-7.87	PASS
267.80	-49.23	9.27	-39.96	-36	-3.96	PASS
777.97	-55.96	9.75	-46.21	-36	-10.21	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)	
1856.65	-58.70	18.05	-40.65	-30	-10.65	PASS
2487.38	-52.38	15.75	-36.63	-30	-6.63	PASS
3403.15	-55.65	13.06	-42.59	-30	-12.59	PASS
5010.66	-53.58	12.52	-41.06	-30	-11.06	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)	
41.01	-50.82	3.91	-46.91	-36	-10.91	PASS
146.89	-58.39	6.95	-51.44	-36	-15.44	PASS
418.07	-55.66	9.27	-46.39	-36	-10.39	PASS
667.48	-52.56	9.75	-42.81	-36	-6.81	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)	
1854.49	-58.81	18.05	-40.76	-30	-10.76	PASS
2798.69	-53.14	15.75	-37.39	-30	-7.39	PASS
3693.63	-57.69	13.06	-44.63	-30	-14.63	PASS
10857.72	-55.85	12.52	-43.33	-30	-13.33	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)	
49.55	-56.59	3.91	-52.68	-36	-16.68	PASS
147.37	-51.70	6.95	-44.75	-36	-8.75	PASS
508.60	-58.20	9.27	-48.93	-36	-12.93	PASS
701.91	-49.91	9.75	-40.16	-36	-4.16	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1586.75	-49.83	18.05	-31.78	-30	-1.78	PASS
2300.05	-56.74	15.75	-40.99	-30	-10.99	PASS
3158.21	-57.37	13.06	-44.31	-30	-14.31	PASS
7412.46	-54.67	12.52	-42.15	-30	-12.15	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
48.56	-53.66	3.91	-49.75	-36	-13.75	PASS
124.04	-51.07	6.95	-44.12	-36	-8.12	PASS
448.47	-52.06	9.27	-42.79	-36	-6.79	PASS
694.87	-57.88	9.75	-48.13	-36	-12.13	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1654.68	-55.16	18.05	-37.11	-30	-7.11	PASS
2801.20	-53.28	15.75	-37.53	-30	-7.53	PASS
3106.71	-58.87	13.06	-45.81	-30	-15.81	PASS
4910.67	-50.88	12.52	-38.36	-30	-8.36	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 7 CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
49.41	-51.96	3.91	-48.05	-36	-12.05	PASS
179.29	-59.26	6.95	-52.31	-36	-16.31	PASS
264.56	-49.21	9.27	-39.94	-36	-3.94	PASS
622.43	-53.97	9.75	-44.22	-36	-8.22	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)	
1665.25	-53.11	18.05	-35.06	-30	-5.06	PASS
2203.17	-49.12	15.75	-33.37	-30	-3.37	PASS
3893.94	-55.00	13.06	-41.94	-30	-11.94	PASS
11909.41	-49.39	12.52	-36.87	-30	-6.87	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)	
63.90	-56.96	3.91	-53.05	-36	-17.05	PASS
102.99	-50.20	6.95	-43.25	-36	-7.25	PASS
533.08	-52.21	9.27	-42.94	-36	-6.94	PASS
743.53	-49.93	9.75	-40.18	-36	-4.18	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1481.05	-57.15	18.05	-39.10	-30	-9.10	PASS
2915.73	-49.36	15.75	-33.61	-30	-3.61	PASS
3096.34	-50.68	13.06	-37.62	-30	-7.62	PASS
4092.33	-56.40	12.52	-43.88	-30	-13.88	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 7 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
80.68	-71.23	3.91	-67.32	-36	-31.32	PASS
186.71	-78.18	6.95	-71.23	-36	-35.23	PASS
459.44	-61.60	9.27	-52.33	-36	-16.33	PASS
841.25	-74.29	9.75	-64.54	-36	-28.54	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)	
1150.94	-54.7	18.05	-36.65	-30	-6.65	PASS
2994.01	-66.04	15.75	-50.29	-30	-20.29	PASS
3440.52	-59.08	13.06	-46.02	-30	-16.02	PASS
9630.34	-54.56	12.52	-42.04	-30	-12.04	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)	
85.66	-79.70	3.91	-75.79	-36	-39.79	PASS
157.64	-63.64	6.95	-56.69	-36	-20.69	PASS
209.17	-67.01	9.27	-57.74	-36	-21.74	PASS
691.14	-79.30	9.75	-69.55	-36	-33.55	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)	
1563.70	-62.46	18.05	-44.41	-30	-14.41	PASS
2054.56	-51.05	15.75	-35.30	-30	-5.30	PASS
3640.41	-63.38	13.06	-50.32	-30	-20.32	PASS
10130.85	-62.68	12.52	-50.16	-30	-20.16	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)	
85.26	-76.35	3.91	-72.44	-36	-36.44	PASS
193.77	-76.87	6.95	-69.92	-36	-33.92	PASS
472.86	-77.14	9.27	-67.87	-36	-31.87	PASS
668.83	-65.21	9.75	-55.46	-36	-19.46	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)	
1098.42	-60.81	18.05	-42.76	-30	-12.76	PASS
2050.02	-66.3	15.75	-50.55	-30	-20.55	PASS
3231.14	-51.54	13.06	-38.48	-30	-8.48	PASS
6125.57	-61.97	12.52	-49.45	-30	-19.45	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)	
69.99	-72.02	3.91	-68.11	-36	-32.11	PASS
119.29	-79.25	6.95	-72.30	-36	-36.30	PASS
576.99	-65.11	9.27	-55.84	-36	-19.84	PASS
691.77	-76.00	9.75	-66.25	-36	-30.25	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)	
1699.38	-69.55	18.05	-51.50	-30	-21.50	PASS
2042.79	-61.8	15.75	-46.05	-30	-16.05	PASS
3761.04	-51.88	13.06	-38.82	-30	-8.82	PASS
9458.31	-49.54	12.52	-37.02	-30	-7.02	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)	
63.88	-77.74	3.91	-73.83	-36	-37.83	PASS
173.72	-78.11	6.95	-71.16	-36	-35.16	PASS
397.33	-69.05	9.27	-59.78	-36	-23.78	PASS
749.83	-62.76	9.75	-53.01	-36	-17.01	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)	
1189.26	-61.09	18.05	-43.04	-30	-13.04	PASS
2050.46	-56.16	15.75	-40.41	-30	-10.41	PASS
3298.06	-49.55	13.06	-36.49	-30	-6.49	PASS
10072.18	-52	12.52	-39.48	-30	-9.48	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)	
63.79	-75.59	3.91	-71.68	-36	-35.68	PASS
192.07	-69.15	6.95	-62.20	-36	-26.20	PASS
589.02	-68.46	9.27	-59.19	-36	-23.19	PASS
765.25	-76.54	9.75	-66.79	-36	-30.79	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1464.43	-55.34	18.05	-37.29	-30	-7.29	PASS
2631.39	-52.07	15.75	-36.32	-30	-6.32	PASS
3867.11	-49.91	13.06	-36.85	-30	-6.85	PASS
9098.18	-64.35	12.52	-51.83	-30	-21.83	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 8 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.89	-67.52	3.91	-63.61	-36	-27.61	PASS
131.65	-59.97	6.95	-53.02	-36	-17.02	PASS
235.38	-78.78	9.27	-69.51	-36	-33.51	PASS
626.12	-63.42	9.75	-53.67	-36	-17.67	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)	
1584.40	-64.82	18.05	-46.77	-30	-16.77	PASS
2634.08	-54.02	15.75	-38.27	-30	-8.27	PASS
3262.60	-63.86	13.06	-50.80	-30	-20.80	PASS
8257.67	-49.61	12.52	-37.09	-30	-7.09	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)	
44.96	-68.29	3.91	-64.38	-36	-28.38	PASS
144.81	-62.37	6.95	-55.42	-36	-19.42	PASS
484.35	-73.11	9.27	-63.84	-36	-27.84	PASS
634.50	-70.22	9.75	-60.47	-36	-24.47	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)	
1533.12	-64.19	18.05	-46.14	-30	-16.14	PASS
2043.63	-64.54	15.75	-48.79	-30	-18.79	PASS
3755.42	-58.64	13.06	-45.58	-30	-15.58	PASS
10320.97	-63.27	12.52	-50.75	-30	-20.75	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
82.03	-60.55	3.91	-56.64	-36	-20.64	PASS
193.71	-68.52	6.95	-61.57	-36	-25.57	PASS
516.87	-70.71	9.27	-61.44	-36	-25.44	PASS
821.42	-78.17	9.75	-68.42	-36	-32.42	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)	
1872.19	-57.08	18.05	-39.03	-30	-9.03	PASS
2126.24	-61.87	15.75	-46.12	-30	-16.12	PASS
3492.62	-69.57	13.06	-56.51	-30	-26.51	PASS
7428.14	-49.92	12.52	-37.40	-30	-7.40	PASS

Remark:

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



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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
30.69	-79.93	3.91	-76.02	-36	-40.02	PASS
159.65	-72.12	6.95	-65.17	-36	-29.17	PASS
600.57	-60.71	9.27	-51.44	-36	-15.44	PASS
674.60	-64.53	9.75	-54.78	-36	-18.78	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1022.32	-64.86	18.05	-46.81	-30	-16.81	PASS
2655.25	-60.79	15.75	-45.04	-30	-15.04	PASS
3482.47	-62.16	13.06	-49.10	-30	-19.10	PASS
6224.13	-56.8	12.52	-44.28	-30	-14.28	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)	
47.89	-76.35	3.91	-72.44	-36	-36.44	PASS
122.01	-74.57	6.95	-67.62	-36	-31.62	PASS
383.02	-66.94	9.27	-57.67	-36	-21.67	PASS
887.01	-69.37	9.75	-59.62	-36	-23.62	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)	
1989.15	-58.07	18.05	-40.02	-30	-10.02	PASS
2054.79	-58.02	15.75	-42.27	-30	-12.27	PASS
3857.25	-49.33	13.06	-36.27	-30	-6.27	PASS
6574.97	-55.99	12.52	-43.47	-30	-13.47	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
35.77	-71.69	3.91	-67.78	-36	-31.78	PASS
191.18	-62.15	6.95	-55.20	-36	-19.20	PASS
565.70	-74.95	9.27	-65.68	-36	-29.68	PASS
695.20	-76.23	9.75	-66.48	-36	-30.48	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1790.21	-66.22	18.05	-48.17	-30	-18.17	PASS
2915.95	-57.96	15.75	-42.21	-30	-12.21	PASS
3433.46	-67.51	13.06	-54.45	-30	-24.45	PASS
10036.67	-54.16	12.52	-41.64	-30	-11.64	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 8 CH L 10M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
39.31	-78.40	3.91	-74.49	-36	-38.49	PASS
148.95	-60.22	6.95	-53.27	-36	-17.27	PASS
570.04	-72.37	9.27	-63.10	-36	-27.10	PASS
768.38	-67.70	9.75	-57.95	-36	-21.95	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)	
1039.54	-59.92	18.05	-41.87	-30	-11.87	PASS
2433.68	-59.78	15.75	-44.03	-30	-14.03	PASS
3352.31	-51.67	13.06	-38.61	-30	-8.61	PASS
11204.34	-55.29	12.52	-42.77	-30	-12.77	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.55	-76.46	3.91	-72.55	-36	-36.55	PASS
104.91	-79.59	6.95	-72.64	-36	-36.64	PASS
438.10	-65.66	9.27	-56.39	-36	-20.39	PASS
657.92	-78.68	9.75	-68.93	-36	-32.93	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)	
1624.47	-69.45	18.05	-51.40	-30	-21.40	PASS
2811.55	-57.61	15.75	-41.86	-30	-11.86	PASS
3816.24	-50.16	13.06	-37.10	-30	-7.10	PASS
10567.43	-66.47	12.52	-53.95	-30	-23.95	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)	
89.05	-67.19	3.91	-63.28	-36	-27.28	PASS
200.96	-65.92	6.95	-58.97	-36	-22.97	PASS
499.70	-70.43	9.27	-61.16	-36	-25.16	PASS
692.78	-69.48	9.75	-59.73	-36	-23.73	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)	
1144.06	-69.24	18.05	-51.19	-30	-21.19	PASS
2396.54	-64.93	15.75	-49.18	-30	-19.18	PASS
3357.89	-57.25	13.06	-44.19	-30	-14.19	PASS
4241.43	-49.23	12.52	-36.71	-30	-6.71	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)	
73.70	-75.49	3.91	-71.58	-36	-35.58	PASS
102.21	-67.25	6.95	-60.30	-36	-24.30	PASS
234.24	-62.84	9.27	-53.57	-36	-17.57	PASS
679.30	-78.60	9.75	-68.85	-36	-32.85	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)	
1669.41	-50.59	18.05	-32.54	-30	-2.54	PASS
2092.56	-57.63	15.75	-41.88	-30	-11.88	PASS
3236.27	-54.47	13.06	-41.41	-30	-11.41	PASS
4158.49	-64.06	12.52	-51.54	-30	-21.54	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)	
51.11	-74.27	3.91	-70.36	-36	-34.36	PASS
163.13	-66.70	6.95	-59.75	-36	-23.75	PASS
361.33	-75.18	9.27	-65.91	-36	-29.91	PASS
745.13	-61.78	9.75	-52.03	-36	-16.03	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)	
1456.25	-61.82	18.05	-43.77	-30	-13.77	PASS
2214.55	-62.95	15.75	-47.20	-30	-17.20	PASS
3889.32	-57.79	13.06	-44.73	-30	-14.73	PASS
6902.35	-53.91	12.52	-41.39	-30	-11.39	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)	
56.28	-60.85	3.91	-56.94	-36	-20.94	PASS
152.02	-70.60	6.95	-63.65	-36	-27.65	PASS
397.11	-73.17	9.27	-63.90	-36	-27.90	PASS
824.06	-74.49	9.75	-64.74	-36	-28.74	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)	
1611.21	-52.98	18.05	-34.93	-30	-4.93	PASS
2014.27	-50.24	15.75	-34.49	-30	-4.49	PASS
3281.53	-57.18	13.06	-44.12	-30	-14.12	PASS
5668.52	-61.78	12.52	-49.26	-30	-19.26	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 20 CH L 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
47.81	-76.28	3.91	-72.37	-36	-36.37	PASS
113.03	-68.63	6.95	-61.68	-36	-25.68	PASS
441.18	-77.14	9.27	-67.87	-36	-31.87	PASS
851.10	-64.66	9.75	-54.91	-36	-18.91	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)	
1260.35	-69.69	18.05	-51.64	-30	-21.64	PASS
2890.04	-52.08	15.75	-36.33	-30	-6.33	PASS
3282.44	-58.51	13.06	-45.45	-30	-15.45	PASS
10260.63	-57.83	12.52	-45.31	-30	-15.31	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.43	-64.70	3.91	-60.79	-36	-24.79	PASS
159.19	-71.76	6.95	-64.81	-36	-28.81	PASS
269.86	-73.41	9.27	-64.14	-36	-28.14	PASS
900.31	-78.92	9.75	-69.17	-36	-33.17	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)	
1085.03	-59.66	18.05	-41.61	-30	-11.61	PASS
2859.46	-56.07	15.75	-40.32	-30	-10.32	PASS
3614.80	-64.86	13.06	-51.80	-30	-21.80	PASS
8203.61	-52.81	12.52	-40.29	-30	-10.29	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)	
54.98	-68.55	3.91	-64.64	-36	-28.64	PASS
143.47	-59.80	6.95	-52.85	-36	-16.85	PASS
331.60	-70.60	9.27	-61.33	-36	-25.33	PASS
638.71	-61.23	9.75	-51.48	-36	-15.48	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)	
1384.64	-67.72	18.05	-49.67	-30	-19.67	PASS
2318.19	-51.73	15.75	-35.98	-30	-5.98	PASS
3637.86	-52.99	13.06	-39.93	-30	-9.93	PASS
6339.84	-69.39	12.52	-56.87	-30	-26.87	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)	
73.13	-68.44	3.91	-64.53	-36	-28.53	PASS
174.35	-64.42	6.95	-57.47	-36	-21.47	PASS
501.61	-68.90	9.27	-59.63	-36	-23.63	PASS
649.93	-59.34	9.75	-49.59	-36	-13.59	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)	
1055.53	-61.36	18.05	-43.31	-30	-13.31	PASS
2029.39	-55.43	15.75	-39.68	-30	-9.68	PASS
3942.34	-58.8	13.06	-45.74	-30	-15.74	PASS
10406.15	-65.14	12.52	-52.62	-30	-22.62	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
90.20	-66.96	3.91	-63.05	-36	-27.05	PASS
126.87	-66.95	6.95	-60.00	-36	-24.00	PASS
374.93	-69.27	9.27	-60.00	-36	-24.00	PASS
625.10	-77.74	9.75	-67.99	-36	-31.99	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)	
1950.25	-57.26	18.05	-39.21	-30	-9.21	PASS
2561.33	-49.01	15.75	-33.26	-30	-3.26	PASS
3743.90	-62.5	13.06	-49.44	-30	-19.44	PASS
7937.81	-64.26	12.52	-51.74	-30	-21.74	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)	
51.82	-79.99	3.91	-76.08	-36	-40.08	PASS
186.73	-68.07	6.95	-61.12	-36	-25.12	PASS
259.13	-76.58	9.27	-67.31	-36	-31.31	PASS
762.87	-73.76	9.75	-64.01	-36	-28.01	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)	
1950.68	-68.64	18.05	-50.59	-30	-20.59	PASS
2337.25	-60.25	15.75	-44.50	-30	-14.50	PASS
3393.28	-60.59	13.06	-47.53	-30	-17.53	PASS
7699.35	-58.43	12.52	-45.91	-30	-15.91	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 20 CH L 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
88.87	-72.10	3.91	-68.19	-36	-32.19	PASS
168.87	-74.75	6.95	-67.80	-36	-31.80	PASS
296.86	-65.21	9.27	-55.94	-36	-19.94	PASS
773.90	-64.22	9.75	-54.47	-36	-18.47	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)	
1616.97	-64.89	18.05	-46.84	-30	-16.84	PASS
2818.34	-59.43	15.75	-43.68	-30	-13.68	PASS
3670.91	-52.76	13.06	-39.70	-30	-9.70	PASS
11027.74	-66.39	12.52	-53.87	-30	-23.87	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)	
70.75	-65.95	3.91	-62.04	-36	-26.04	PASS
149.52	-73.61	6.95	-66.66	-36	-30.66	PASS
444.81	-76.44	9.27	-67.17	-36	-31.17	PASS
742.40	-60.83	9.75	-51.08	-36	-15.08	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)	
1552.80	-51.66	18.05	-33.61	-30	-3.61	PASS
2875.07	-50.85	15.75	-35.10	-30	-5.10	PASS
3644.99	-54.35	13.06	-41.29	-30	-11.29	PASS
4688.56	-66.31	12.52	-53.79	-30	-23.79	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 20 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
31.92	-63.79	3.91	-59.88	-36	-23.88	PASS
114.65	-63.78	6.95	-56.83	-36	-20.83	PASS
340.20	-62.91	9.27	-53.64	-36	-17.64	PASS
723.04	-59.54	9.75	-49.79	-36	-13.79	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)	
1680.91	-60.42	18.05	-42.37	-30	-12.37	PASS
2615.23	-62.35	15.75	-46.60	-30	-16.60	PASS
3708.01	-67.66	13.06	-54.60	-30	-24.60	PASS
8174.45	-68.61	12.52	-56.09	-30	-26.09	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)	
40.19	-67.34	3.91	-63.43	-36	-27.43	PASS
96.47	-69.68	6.95	-62.73	-36	-26.73	PASS
538.94	-71.92	9.27	-62.65	-36	-26.65	PASS
814.02	-63.20	9.75	-53.45	-36	-17.45	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)	
1354.83	-50.91	18.05	-32.86	-30	-2.86	PASS
2119.58	-56.81	15.75	-41.06	-30	-11.06	PASS
3788.67	-66.61	13.06	-53.55	-30	-23.55	PASS
6610.28	-51.86	12.52	-39.34	-30	-9.34	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)	
81.04	-61.80	3.91	-57.89	-36	-21.89	PASS
144.70	-73.50	6.95	-66.55	-36	-30.55	PASS
251.23	-75.93	9.27	-66.66	-36	-30.66	PASS
795.93	-79.92	9.75	-70.17	-36	-34.17	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1287.20	-50.59	18.05	-32.54	-30	-2.54	PASS
2426.31	-65.81	15.75	-50.06	-30	-20.06	PASS
3325.25	-66.49	13.06	-53.43	-30	-23.43	PASS
10905.06	-63.93	12.52	-51.41	-30	-21.41	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)	
45.71	-74.84	3.91	-70.93	-36	-34.93	PASS
94.38	-69.36	6.95	-62.41	-36	-26.41	PASS
410.37	-62.26	9.27	-52.99	-36	-16.99	PASS
825.71	-71.01	9.75	-61.26	-36	-25.26	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1212.68	-69.22	18.05	-51.17	-30	-21.17	PASS
2590.98	-57.19	15.75	-41.44	-30	-11.44	PASS
3259.41	-66.91	13.06	-53.85	-30	-23.85	PASS
5479.74	-51.83	12.52	-39.31	-30	-9.31	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 40 CH L 5M QPSK H 30M-1G

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
49.45	-74.06	3.91	-70.15	-36	-34.15	PASS
142.55	-65.73	6.95	-58.78	-36	-22.78	PASS
542.70	-70.25	9.27	-60.98	-36	-24.98	PASS
671.26	-69.50	9.75	-59.75	-36	-23.75	PASS

Remark:

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

Band 40 CH L 5M QPSK H 1-12.75G

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1503.86	-53.19	18.05	-35.14	-30	-5.14	PASS
2387.63	-63.91	15.75	-48.16	-30	-18.16	PASS
3670.38	-68.02	13.06	-54.96	-30	-24.96	PASS
6360.70	-59.28	12.52	-46.76	-30	-16.76	PASS

Remark:

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

Band 40 CH L 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
49.54	-67.20	3.91	-63.29	-36	-27.29	PASS
187.34	-75.68	6.95	-68.73	-36	-32.73	PASS
455.59	-74.29	9.27	-65.02	-36	-29.02	PASS
892.26	-65.10	9.75	-55.35	-36	-19.35	PASS

Remark:

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

Band 40 CH L 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1392.45	-57.37	18.05	-39.32	-30	-9.32	PASS
2113.35	-57.46	15.75	-41.71	-30	-11.71	PASS
3058.26	-57.25	13.06	-44.19	-30	-14.19	PASS
8400.93	-53.78	12.52	-41.26	-30	-11.26	PASS

Remark:

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

Band 40 CH M 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
87.03	-74.88	3.91	-70.97	-36	-34.97	PASS
151.45	-78.33	6.95	-71.38	-36	-35.38	PASS
486.01	-77.42	9.27	-68.15	-36	-32.15	PASS
604.91	-72.07	9.75	-62.32	-36	-26.32	PASS

Remark:

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

Band 40 CH M 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1675.16	-55.24	18.05	-37.19	-30	-7.19	PASS
2829.84	-59.32	15.75	-43.57	-30	-13.57	PASS
3111.47	-60.48	13.06	-47.42	-30	-17.42	PASS
8604.13	-56.22	12.52	-43.70	-30	-13.70	PASS

Remark:

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



Band 40 CH M 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
79.98	-69.56	3.91	-65.65	-36	-29.65	PASS
198.80	-66.96	6.95	-60.01	-36	-24.01	PASS
573.46	-75.56	9.27	-66.29	-36	-30.29	PASS
852.03	-76.03	9.75	-66.28	-36	-30.28	PASS

Remark:

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

Band 40 CH M 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1501.79	-59.96	18.05	-41.91	-30	-11.91	PASS
2938.44	-63.36	15.75	-47.61	-30	-17.61	PASS
3168.00	-58.9	13.06	-45.84	-30	-15.84	PASS
8206.35	-55.47	12.52	-42.95	-30	-12.95	PASS

Remark:

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

Band 40CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
38.29	-77.86	3.91	-73.95	-36	-37.95	PASS
183.57	-72.85	6.95	-65.90	-36	-29.90	PASS
544.57	-67.16	9.27	-57.89	-36	-21.89	PASS
747.04	-78.05	9.75	-68.30	-36	-32.30	PASS

Remark:

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

Band 40 CH H 5M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1095.29	-58.96	18.05	-40.91	-30	-10.91	PASS
2101.24	-63.77	15.75	-48.02	-30	-18.02	PASS
3055.46	-58.18	13.06	-45.12	-30	-15.12	PASS
8303.50	-64.45	12.52	-51.93	-30	-21.93	PASS

Remark:

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

Band 40 CH H 5M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
61.53	-63.01	3.91	-59.10	-36	-23.10	PASS
179.84	-69.47	6.95	-62.52	-36	-26.52	PASS
252.29	-63.53	9.27	-54.26	-36	-18.26	PASS
674.63	-62.12	9.75	-52.37	-36	-16.37	PASS

Remark:

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

Band 40 CH H 5M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1885.67	-64.32	18.05	-46.27	-30	-16.27	1885.67
2795.27	-52.57	15.75	-36.82	-30	-6.82	2795.27
3007.49	-68.49	13.06	-55.43	-30	-25.43	3007.49
11142.87	-65.58	12.52	-53.06	-30	-23.06	11142.87

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
75.00	-64.66	3.91	-60.75	-36	-24.75	PASS
175.03	-60.43	6.95	-53.48	-36	-17.48	PASS
373.23	-60.47	9.27	-51.20	-36	-15.20	PASS
743.57	-69.30	9.75	-59.55	-36	-23.55	PASS

Remark:

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

Band 40 CH L 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1044.69	-61.31	18.05	-43.26	-30	-13.26	PASS
2380.33	-53.07	15.75	-37.32	-30	-7.32	PASS
3514.47	-67.98	13.06	-54.92	-30	-24.92	PASS
10534.00	-53.11	12.52	-40.59	-30	-10.59	PASS

Remark:

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

Band 40 CH L 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
41.68	-70.22	3.91	-66.31	-36	-30.31	PASS
179.55	-73.50	6.95	-66.55	-36	-30.55	PASS
505.05	-73.00	9.27	-63.73	-36	-27.73	PASS
687.68	-64.59	9.75	-54.84	-36	-18.84	PASS

Remark:

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

Band 40 CH L 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1529.58	-65.28	18.05	-47.23	-30	-17.23	PASS
2971.33	-66.96	15.75	-51.21	-30	-21.21	PASS
3697.23	-55.74	13.06	-42.68	-30	-12.68	PASS
10079.62	-61.87	12.52	-49.35	-30	-19.35	PASS

Remark:

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

Band 40 CH M 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
76.59	-67.56	3.91	-63.65	-36	-27.65	PASS
163.55	-71.12	6.95	-64.17	-36	-28.17	PASS
361.31	-77.87	9.27	-68.60	-36	-32.60	PASS
653.63	-79.88	9.75	-70.13	-36	-34.13	PASS

Remark:

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

Band 40 CH M 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1321.80	-67.4	18.05	-49.35	-30	-19.35	PASS
2591.59	-57.8	15.75	-42.05	-30	-12.05	PASS
3384.26	-57.41	13.06	-44.35	-30	-14.35	PASS
9207.88	-53.1	12.52	-40.58	-30	-10.58	PASS

Remark:

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

Band 40 CH M 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
68.43	-72.55	3.91	-68.64	-36	-32.64	PASS
192.35	-69.35	6.95	-62.40	-36	-26.40	PASS
360.94	-62.42	9.27	-53.15	-36	-17.15	PASS
895.69	-69.85	9.75	-60.10	-36	-24.10	PASS

Remark:

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

Band 40 CH M 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1003.55	-53.82	18.05	-35.77	-30	-5.77	PASS
2355.00	-55.17	15.75	-39.42	-30	-9.42	PASS
3549.90	-57.48	13.06	-44.42	-30	-14.42	PASS
8860.13	-64.27	12.52	-51.75	-30	-21.75	PASS

Remark:

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

Band 40 CH H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
42.03	-63.27	3.91	-59.36	-36	-23.36	PASS
149.34	-77.71	6.95	-70.76	-36	-34.76	PASS
579.11	-62.22	9.27	-52.95	-36	-16.95	PASS
798.97	-74.08	9.75	-64.33	-36	-28.33	PASS

Remark:

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

Band 40CH H 20M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1016.06	-59.84	18.05	-41.79	-30	-11.79	PASS
2206.83	-61.55	15.75	-45.80	-30	-15.80	PASS
3701.49	-50.85	13.06	-37.79	-30	-7.79	PASS
10835.23	-49.04	12.52	-36.52	-30	-6.52	PASS

Remark:

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



Band 40 CH H 20M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
30.05	-69.51	3.91	-65.60	-36	-29.60	PASS
128.99	-61.92	6.95	-54.97	-36	-18.97	PASS
472.13	-61.21	9.27	-51.94	-36	-15.94	PASS
817.14	-69.43	9.75	-59.68	-36	-23.68	PASS

Remark:

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

Band 40 CH H 20M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1791.44	-49.6	18.05	-31.55	-30	-1.55	PASS
2829.80	-66.67	15.75	-50.92	-30	-20.92	PASS
3094.69	-69.58	13.06	-56.52	-30	-26.52	PASS
11647.26	-65.45	12.52	-52.93	-30	-22.93	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.

**Idle Mode**

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

Frequency (MHz)	Polarity H/V	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
63.33	H	-88.28	8.07	-80.21	-57	-23.21	PASS
159.63	H	-76.88	7.62	-69.26	-57	-12.26	PASS
599.36	H	-75.54	5.62	-69.92	-57	-12.92	PASS
640.87	H	-84.34	8.80	-75.54	-57	-18.54	PASS
46.86	V	-83.23	2.77	-80.46	-57	-23.46	PASS
167.74	V	-88.81	7.04	-81.77	-57	-24.77	PASS
513.86	V	-84.40	5.42	-78.98	-57	-21.98	PASS
858.05	V	-79.29	4.44	-74.85	-57	-17.85	PASS

Remark:

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

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

Frequency (MHz)	Polarity H/V	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1372.72	V	-72.24	8.92	-63.32	-47	-16.32	PASS
2914.56	V	-66.96	14.79	-52.17	-47	-5.17	PASS
3621.49	V	-77.06	11.97	-65.09	-47	-18.09	PASS
4244.23	V	-67.65	14.58	-53.07	-47	-6.07	PASS
1785.88	H	-74.30	11.13	-63.17	-47	-16.17	PASS
2984.48	H	-65.26	8.20	-57.06	-47	-10.06	PASS
3940.13	H	-72.29	11.93	-60.36	-47	-13.36	PASS
5313.43	H	-69.62	14.12	-55.50	-47	-8.50	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
55.38	H	-74.97	8.07	-66.90	-57	-9.90	PASS
111.41	H	-77.25	7.62	-69.63	-57	-12.63	PASS
512.83	H	-79.44	5.62	-73.82	-57	-16.82	PASS
867.04	H	-82.34	8.80	-73.54	-57	-16.54	PASS
30.59	V	-70.36	2.77	-67.59	-57	-10.59	PASS
135.74	V	-72.47	7.04	-65.43	-57	-8.43	PASS
514.02	V	-85.80	5.42	-80.38	-57	-23.38	PASS
611.45	V	-85.67	4.44	-81.23	-57	-24.23	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)	
1828.02	V	-71.48	8.92	-62.56	-47	-15.56	PASS
2372.27	V	-72.40	14.79	-57.61	-47	-10.61	PASS
3243.18	V	-77.62	11.97	-65.65	-47	-18.65	PASS
5458.33	V	-65.52	14.58	-50.94	-47	-3.94	PASS
1866.42	H	-79.15	11.13	-68.02	-47	-21.02	PASS
2984.01	H	-77.81	8.20	-69.61	-47	-22.61	PASS
3038.07	H	-67.86	11.93	-55.93	-47	-8.93	PASS
9084.85	H	-68.07	14.12	-53.95	-47	-6.95	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)	
53.41	H	-71.63	8.07	-63.56	-57	-6.56	PASS
142.37	H	-84.65	7.62	-77.03	-57	-20.03	PASS
582.13	H	-81.69	5.62	-76.07	-57	-19.07	PASS
697.13	H	-87.10	8.80	-78.30	-57	-21.30	PASS
58.45	V	-76.54	2.77	-73.77	-57	-16.77	PASS
186.46	V	-73.19	7.04	-66.15	-57	-9.15	PASS
277.14	V	-77.30	5.42	-71.88	-57	-14.88	PASS
749.57	V	-88.51	4.44	-84.07	-57	-27.07	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)	
1029.01	V	-68.54	8.92	-59.62	-47	-12.62	PASS
2038.62	V	-64.53	14.79	-49.74	-47	-2.74	PASS
3096.96	V	-72.82	11.97	-60.85	-47	-13.85	PASS
11352.19	V	-78.18	14.58	-63.60	-47	-16.60	PASS
1487.14	H	-64.54	11.13	-53.41	-47	-6.41	PASS
2281.38	H	-68.24	8.20	-60.04	-47	-13.04	PASS
3527.77	H	-76.37	11.93	-64.44	-47	-17.44	PASS
5003.76	H	-75.96	14.12	-61.84	-47	-14.84	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)	
36.50	H	-72.67	8.07	-64.60	-57	-7.60	PASS
132.59	H	-76.62	7.62	-69.00	-57	-12.00	PASS
400.32	H	-83.32	5.62	-77.70	-57	-20.70	PASS
696.64	H	-83.33	8.80	-74.53	-57	-17.53	PASS
49.58	V	-86.08	2.77	-83.31	-57	-26.31	PASS
99.07	V	-82.03	7.04	-74.99	-57	-17.99	PASS
554.30	V	-75.81	5.42	-70.39	-57	-13.39	PASS
835.22	V	-89.39	4.44	-84.95	-57	-27.95	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)	
1619.81	V	-71.66	8.92	-62.74	-47	-15.74	PASS
2442.19	V	-71.84	14.79	-57.05	-47	-10.05	PASS
3475.04	V	-77.38	11.97	-65.41	-47	-18.41	PASS
6727.51	V	-71.94	14.58	-57.36	-47	-10.36	PASS
1020.35	H	-65.72	11.13	-54.59	-47	-7.59	PASS
2452.33	H	-67.97	8.20	-59.77	-47	-12.77	PASS
3152.50	H	-67.59	11.93	-55.66	-47	-8.66	PASS
10681.17	H	-69.40	14.12	-55.28	-47	-8.28	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)	
75.86	H	-88.88	8.07	-80.81	-57	-23.81	PASS
199.29	H	-88.38	7.62	-80.76	-57	-23.76	PASS
452.63	H	-70.85	5.62	-65.23	-57	-8.23	PASS
688.16	H	-70.77	8.80	-61.97	-57	-4.97	PASS
63.53	V	-86.94	2.77	-84.17	-57	-27.17	PASS
151.87	V	-72.66	7.04	-65.62	-57	-8.62	PASS
475.18	V	-79.51	5.42	-74.09	-57	-17.09	PASS
758.64	V	-79.57	4.44	-75.13	-57	-18.13	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)	
1577.47	V	-75.32	8.92	-66.40	-47	-19.40	PASS
2418.20	V	-70.92	14.79	-56.13	-47	-9.13	PASS
3189.33	V	-65.54	11.97	-53.57	-47	-6.57	PASS
6609.06	V	-64.29	14.58	-49.71	-47	-2.71	PASS
1890.31	H	-73.14	11.13	-62.01	-47	-15.01	PASS
2291.85	H	-67.99	8.20	-59.79	-47	-12.79	PASS
3951.47	H	-73.59	11.93	-61.66	-47	-14.66	PASS
4561.13	H	-79.84	14.12	-65.72	-47	-18.72	PASS

Remark:

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

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

Frequency (MHz)	Polarity H/V	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
85.11	H	-88.07	8.07	-80.00	-57	-23.00	PASS
148.97	H	-83.48	7.62	-75.86	-57	-18.86	PASS
380.34	H	-75.10	5.62	-69.48	-57	-12.48	PASS
776.07	H	-69.44	8.80	-60.64	-57	-3.64	PASS
36.31	V	-84.67	2.77	-81.90	-57	-24.90	PASS
105.14	V	-85.26	7.04	-78.22	-57	-21.22	PASS
322.41	V	-73.43	5.42	-68.01	-57	-11.01	PASS
627.36	V	-77.75	4.44	-73.31	-57	-16.31	PASS

Remark:

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

Band 3 CH H 20M QPSK 1-12.75G

Frequency (MHz)	Polarity H/V	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1699.53	V	-77.23	8.92	-68.31	-47	-21.31	PASS
2615.25	V	-71.21	14.79	-56.42	-47	-9.42	PASS
3729.12	V	-76.42	11.97	-64.45	-47	-17.45	PASS
9812.01	V	-65.59	14.58	-51.01	-47	-4.01	PASS
1689.80	H	-72.12	11.13	-60.99	-47	-13.99	PASS
2534.35	H	-77.60	8.20	-69.40	-47	-22.40	PASS
3064.58	H	-72.39	11.93	-60.46	-47	-13.46	PASS
11253.82	H	-71.59	14.12	-57.47	-47	-10.47	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)	
83.42	H	-77.08	8.07	-69.01	-57	-12.01	PASS
108.20	H	-79.53	7.62	-71.91	-57	-14.91	PASS
314.19	H	-78.15	5.62	-72.53	-57	-15.53	PASS
602.66	H	-78.55	8.80	-69.75	-57	-12.75	PASS
42.39	V	-79.94	2.77	-77.17	-57	-20.17	PASS
180.78	V	-79.38	7.04	-72.34	-57	-15.34	PASS
444.46	V	-72.07	5.42	-66.65	-57	-9.65	PASS
681.09	V	-73.86	4.44	-69.42	-57	-12.42	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)	
1874.90	V	-68.86	8.92	-59.94	-47	-12.94	PASS
2330.06	V	-66.56	14.79	-51.77	-47	-4.77	PASS
3414.63	V	-68.49	11.97	-56.52	-47	-9.52	PASS
7118.59	V	-64.61	14.58	-50.03	-47	-3.03	PASS
1535.87	H	-65.96	11.13	-54.83	-47	-7.83	PASS
2057.65	H	-68.04	8.20	-59.84	-47	-12.84	PASS
3999.30	H	-66.28	11.93	-54.35	-47	-7.35	PASS
4052.00	H	-68.76	14.12	-54.64	-47	-7.64	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)	
30.09	H	-72.52	8.07	-64.45	-57	-7.45	PASS
112.10	H	-79.30	7.62	-71.68	-57	-14.68	PASS
420.42	H	-73.80	5.62	-68.18	-57	-11.18	PASS
748.08	H	-75.88	8.80	-67.08	-57	-10.08	PASS
69.83	V	-69.73	2.77	-66.96	-57	-9.96	PASS
147.74	V	-69.07	7.04	-62.03	-57	-5.03	PASS
405.57	V	-73.54	5.42	-68.12	-57	-11.12	PASS
726.17	V	-74.07	4.44	-69.63	-57	-12.63	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)	
1818.35	V	-65.97	8.92	-57.05	-47	-10.05	PASS
2070.04	V	-69.72	14.79	-54.93	-47	-7.93	PASS
3045.14	V	-64.25	11.97	-52.28	-47	-5.28	PASS
7111.95	V	-68.89	14.58	-54.31	-47	-7.31	PASS
1714.69	H	-67.37	11.13	-56.24	-47	-9.24	PASS
2310.59	H	-66.37	8.20	-58.17	-47	-11.17	PASS
3787.72	H	-67.03	11.93	-55.10	-47	-8.10	PASS
10066.91	H	-65.09	14.12	-50.97	-47	-3.97	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)	
61.17	H	-75.53	8.07	-67.46	-57	-10.46	PASS
152.05	H	-75.81	7.62	-68.19	-57	-11.19	PASS
369.87	H	-73.26	5.62	-67.64	-57	-10.64	PASS
725.49	H	-77.07	8.80	-68.27	-57	-11.27	PASS
34.79	V	-72.46	2.77	-69.69	-57	-12.69	PASS
123.74	V	-72.35	7.04	-65.31	-57	-8.31	PASS
554.79	V	-77.58	5.42	-72.16	-57	-15.16	PASS
782.76	V	-73.80	4.44	-69.36	-57	-12.36	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)	
1735.14	V	-69.22	8.92	-60.30	-47	-13.30	PASS
2403.34	V	-66.39	14.79	-51.60	-47	-4.60	PASS
3656.91	V	-67.47	11.97	-55.50	-47	-8.50	PASS
11636.08	V	-64.46	14.58	-49.88	-47	-2.88	PASS
1328.46	H	-66.72	11.13	-55.59	-47	-8.59	PASS
2750.27	H	-69.04	8.20	-60.84	-47	-13.84	PASS
3427.75	H	-68.79	11.93	-56.86	-47	-9.86	PASS
5903.87	H	-64.58	14.12	-50.46	-47	-3.46	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
59.93	H	-74.01	8.07	-65.94	-57	-8.94	PASS
124.05	H	-81.22	7.62	-73.60	-57	-16.60	PASS
574.97	H	-87.03	5.62	-81.41	-57	-24.41	PASS
712.88	H	-72.50	8.80	-63.70	-57	-6.70	PASS
90.20	V	-70.30	2.77	-67.53	-57	-10.53	PASS
154.05	V	-77.70	7.04	-70.66	-57	-13.66	PASS
284.12	V	-76.13	5.42	-70.71	-57	-13.71	PASS
628.31	V	-85.60	4.44	-81.16	-57	-24.16	PASS

Remark:

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

Band 8 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1579.73	V	-66.94	8.92	-58.02	-47	-11.02	PASS
2843.86	V	-64.54	14.79	-49.75	-47	-2.75	PASS
3133.82	V	-69.00	11.97	-57.03	-47	-10.03	PASS
8717.10	V	-78.70	14.58	-64.12	-47	-17.12	PASS
1235.21	H	-77.85	11.13	-66.72	-47	-19.72	PASS
2398.44	H	-65.98	8.20	-57.78	-47	-10.78	PASS
3083.76	H	-74.93	11.93	-63.00	-47	-16.00	PASS
9809.18	H	-74.46	14.12	-60.34	-47	-13.34	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.16	H	-69.11	8.07	-61.04	-57	-4.04	PASS
143.73	H	-72.56	7.62	-64.94	-57	-7.94	PASS
527.55	H	-73.04	5.62	-67.42	-57	-10.42	PASS
844.05	H	-74.03	8.80	-65.23	-57	-8.23	PASS
42.14	V	-73.06	2.77	-70.29	-57	-13.29	PASS
145.96	V	-70.01	7.04	-62.97	-57	-5.97	PASS
571.32	V	-83.24	5.42	-77.82	-57	-20.82	PASS
873.95	V	-69.89	4.44	-65.45	-57	-8.45	PASS

Remark:

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

Band 8 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1156.44	V	-73.84	8.92	-64.92	-47	-17.92	PASS
2788.78	V	-79.94	14.79	-65.15	-47	-18.15	PASS
3633.91	V	-76.33	11.97	-64.36	-47	-17.36	PASS
9842.16	V	-76.79	14.58	-62.21	-47	-15.21	PASS
1284.20	H	-79.11	11.13	-67.98	-47	-20.98	PASS
2664.89	H	-65.36	8.20	-57.16	-47	-10.16	PASS
3052.96	H	-70.21	11.93	-58.28	-47	-11.28	PASS
10599.47	H	-74.89	14.12	-60.77	-47	-13.77	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
32.20	H	-83.76	8.07	-75.69	-57	-18.69	PASS
169.70	H	-85.09	7.62	-77.47	-57	-20.47	PASS
450.78	H	-83.11	5.62	-77.49	-57	-20.49	PASS
602.23	H	-89.54	8.80	-80.74	-57	-23.74	PASS
79.88	V	-69.65	2.77	-66.88	-57	-9.88	PASS
153.82	V	-82.13	7.04	-75.09	-57	-18.09	PASS
352.53	V	-85.53	5.42	-80.11	-57	-23.11	PASS
727.16	V	-74.66	4.44	-70.22	-57	-13.22	PASS

Remark:

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

Band 8 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBm)	(dB)	
1060.27	V	-77.69	8.92	-68.77	-47	-21.77	PASS
2824.55	V	-69.23	14.79	-54.44	-47	-7.44	PASS
3077.45	V	-72.90	11.97	-60.93	-47	-13.93	PASS
11981.41	V	-73.72	14.58	-59.14	-47	-12.14	PASS
1719.33	H	-67.31	11.13	-56.18	-47	-9.18	PASS
2736.93	H	-73.06	8.20	-64.86	-47	-17.86	PASS
3238.44	H	-78.42	11.93	-66.49	-47	-19.49	PASS
4639.48	H	-76.72	14.12	-62.60	-47	-15.60	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
89.54	H	-85.82	8.07	-77.75	-57	-20.75	PASS
167.69	H	-83.22	7.62	-75.60	-57	-18.60	PASS
379.02	H	-70.21	5.62	-64.59	-57	-7.59	PASS
664.53	H	-77.16	8.80	-68.36	-57	-11.36	PASS
48.38	V	-87.54	2.77	-84.77	-57	-27.77	PASS
169.58	V	-89.47	7.04	-82.43	-57	-25.43	PASS
475.75	V	-71.08	5.42	-65.66	-57	-8.66	PASS
700.10	V	-86.92	4.44	-82.48	-57	-25.48	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)	
1825.52	V	-79.75	8.92	-70.83	-47	-23.83	PASS
2961.33	V	-79.17	14.79	-64.38	-47	-17.38	PASS
3562.15	V	-67.25	11.97	-55.28	-47	-8.28	PASS
8436.79	V	-78.94	14.58	-64.36	-47	-17.36	PASS
1926.88	H	-74.86	11.13	-63.73	-47	-16.73	PASS
2189.69	H	-75.70	8.20	-67.50	-47	-20.50	PASS
3522.73	H	-64.17	11.93	-52.24	-47	-5.24	PASS
7957.91	H	-76.68	14.12	-62.56	-47	-15.56	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)	
85.29	H	-69.45	8.07	-61.38	-57	-4.38	PASS
175.00	H	-75.77	7.62	-68.15	-57	-11.15	PASS
472.31	H	-85.18	5.62	-79.56	-57	-22.56	PASS
871.79	H	-81.45	8.80	-72.65	-57	-15.65	PASS
51.76	V	-84.38	2.77	-81.61	-57	-24.61	PASS
165.85	V	-73.38	7.04	-66.34	-57	-9.34	PASS
510.01	V	-76.11	5.42	-70.69	-57	-13.69	PASS
723.37	V	-88.68	4.44	-84.24	-57	-27.24	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)	
1835.36	V	-77.19	8.92	-68.27	-47	-21.27	PASS
2945.47	V	-79.66	14.79	-64.87	-47	-17.87	PASS
3323.83	V	-78.05	11.97	-66.08	-47	-19.08	PASS
6298.52	V	-66.44	14.58	-51.86	-47	-4.86	PASS
1426.12	H	-76.70	11.13	-65.57	-47	-18.57	PASS
2691.65	H	-66.40	8.20	-58.20	-47	-11.20	PASS
3679.48	H	-71.35	11.93	-59.42	-47	-12.42	PASS
10741.69	H	-68.55	14.12	-54.43	-47	-7.43	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)	
34.56	H	-75.47	8.07	-67.40	-57	-10.40	PASS
169.20	H	-81.05	7.62	-73.43	-57	-16.43	PASS
479.10	H	-86.78	5.62	-81.16	-57	-24.16	PASS
881.06	H	-84.90	8.80	-76.10	-57	-19.10	PASS
51.52	V	-78.70	2.77	-75.93	-57	-18.93	PASS
117.80	V	-72.14	7.04	-65.10	-57	-8.10	PASS
308.63	V	-88.32	5.42	-82.90	-57	-25.90	PASS
738.40	V	-82.30	4.44	-77.86	-57	-20.86	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)	
1795.75	V	-77.42	8.92	-68.50	-47	-21.50	PASS
2730.53	V	-66.78	14.79	-51.99	-47	-4.99	PASS
3770.35	V	-70.25	11.97	-58.28	-47	-11.28	PASS
10696.46	V	-72.84	14.58	-58.26	-47	-11.26	PASS
1161.08	H	-65.66	11.13	-54.53	-47	-7.53	PASS
2611.30	H	-77.01	8.20	-68.81	-47	-21.81	PASS
3681.69	H	-75.95	11.93	-64.02	-47	-17.02	PASS
6192.15	H	-68.52	14.12	-54.40	-47	-7.40	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 40 CH L 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
40.81	H	-77.50	8.07	-69.43	-57	-12.43	PASS
193.43	H	-88.97	7.62	-81.35	-57	-24.35	PASS
555.89	H	-87.76	5.62	-82.14	-57	-25.14	PASS
796.08	H	-88.62	8.80	-79.82	-57	-22.82	PASS
66.54	V	-80.18	2.77	-77.41	-57	-20.41	PASS
152.90	V	-79.41	7.04	-72.37	-57	-15.37	PASS
488.04	V	-87.79	5.42	-82.37	-57	-25.37	PASS
600.18	V	-69.86	4.44	-65.42	-57	-8.42	PASS

Remark:

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

Band 40 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)	
1568.34	V	-69.51	8.92	-60.59	-47	-13.59	PASS
2645.84	V	-74.89	14.79	-60.10	-47	-13.10	PASS
3978.71	V	-69.40	11.97	-57.43	-47	-10.43	PASS
10237.54	V	-73.00	14.58	-58.42	-47	-11.42	PASS
1425.88	H	-64.25	11.13	-53.12	-47	-6.12	PASS
2281.84	H	-75.80	8.20	-67.60	-47	-20.60	PASS
3688.39	H	-70.39	11.93	-58.46	-47	-11.46	PASS
4614.63	H	-67.58	14.12	-53.46	-47	-6.46	PASS

Remark:

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

Band 40 CH M 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
31.27	H	-88.15	8.07	-80.08	-57	-23.08	PASS
194.47	H	-69.18	7.62	-61.56	-57	-4.56	PASS
219.23	H	-77.33	5.62	-71.71	-57	-14.71	PASS
761.94	H	-81.18	8.80	-72.38	-57	-15.38	PASS
75.46	V	-76.64	2.77	-73.87	-57	-16.87	PASS
136.72	V	-88.06	7.04	-81.02	-57	-24.02	PASS
399.27	V	-85.24	5.42	-79.82	-57	-22.82	PASS
887.44	V	-70.38	4.44	-65.94	-57	-8.94	PASS

Remark:

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

Band 40 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)	
1192.94	V	-64.61	8.92	-55.69	-47	-8.69	PASS
2055.76	V	-69.80	14.79	-55.01	-47	-8.01	PASS
3195.70	V	-68.97	11.97	-57.00	-47	-10.00	PASS
4622.95	V	-71.99	14.58	-57.41	-47	-10.41	PASS
1499.43	H	-79.06	11.13	-67.93	-47	-20.93	PASS
2402.49	H	-73.94	8.20	-65.74	-47	-18.74	PASS
3981.39	H	-72.01	11.93	-60.08	-47	-13.08	PASS
5679.11	H	-76.75	14.12	-62.63	-47	-15.63	PASS

Remark:

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

Band 40 CH H 20M QPSK 30M-1G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
38.37	H	-73.58	8.07	-65.51	-57	-8.51	PASS
139.90	H	-77.95	7.62	-70.33	-57	-13.33	PASS
305.50	H	-76.46	5.62	-70.84	-57	-13.84	PASS
638.11	H	-75.50	8.80	-66.70	-57	-9.70	PASS
54.12	V	-83.74	2.77	-80.97	-57	-23.97	PASS
146.75	V	-72.13	7.04	-65.09	-57	-8.09	PASS
282.07	V	-84.96	5.42	-79.54	-57	-22.54	PASS
794.35	V	-71.86	4.44	-67.42	-57	-10.42	PASS

Remark:

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

Band 40 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)	
1602.92	V	-72.84	8.92	-63.92	-47	-16.92	PASS
2368.66	V	-65.08	14.79	-50.29	-47	-3.29	PASS
3401.30	V	-68.14	11.97	-56.17	-47	-9.17	PASS
9282.38	V	-79.47	14.58	-64.89	-47	-17.89	PASS
1594.09	H	-71.16	11.13	-60.03	-47	-13.03	PASS
2436.19	H	-79.83	8.20	-71.63	-47	-24.63	PASS
3176.32	H	-71.01	11.93	-59.08	-47	-12.08	PASS
4610.91	H	-75.54	14.12	-61.42	-47	-14.42	PASS

Remark:

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

Note: The test band 40 for 5M and 20M have tested, the worst case is 20M, and the data have record.

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

**Definition & Limits**

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

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

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

**Limits:**

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

**Test method**

- a) At the start of the test, the UE shall be switched off. The UE antenna connector shall be connected to a power measuring equipment, with the following characteristics:
  - the RF bandwidth shall exceed the total operating transmit frequency range of the UE for operation with an applicable part;
  - the response time of the power measuring equipment shall be such that the measured power has reached within 1 dB of its steady state value within 100 µs of a CW signal being applied;
  - it shall record the maximum power measured.

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

- b) The UE shall be switched on for a period of approximately fifteen minutes, and then switched off.
- c) The EUT shall remain switched off for a period of at least thirty seconds, and shall then be switched on for a period of approximately one minute.
- d) The maximum power emitted from the UE throughout the duration of the test shall be recorded. The results obtained shall be compared to the limits in clause 4.2.4.2 in order to prove compliance.

**Test Data**

Test Condition	Monitoring band	Max Measured Power(dBm)	Limit(dBm)	Result
Normal	The whole band range	-44.43	-30	Pass

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

#### Definition

The UE shall monitor the DPCCH quality in order to detect a loss of the signal on Layer 1. The threshold  $Q_{out}$  specifies at what DPCCH quality levels the UE shall shut its power off. The threshold is not defined explicitly, but is defined by the conditions under which the UE shall shut its transmitter off, as stated in this clause.

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

#### Limits

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

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

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

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

#### Test Procedure

##### Initial conditions

Test environment: normal (see annex B).

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

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

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

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

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

Test Data

Environmental Conditions

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

Test Result: Pass.

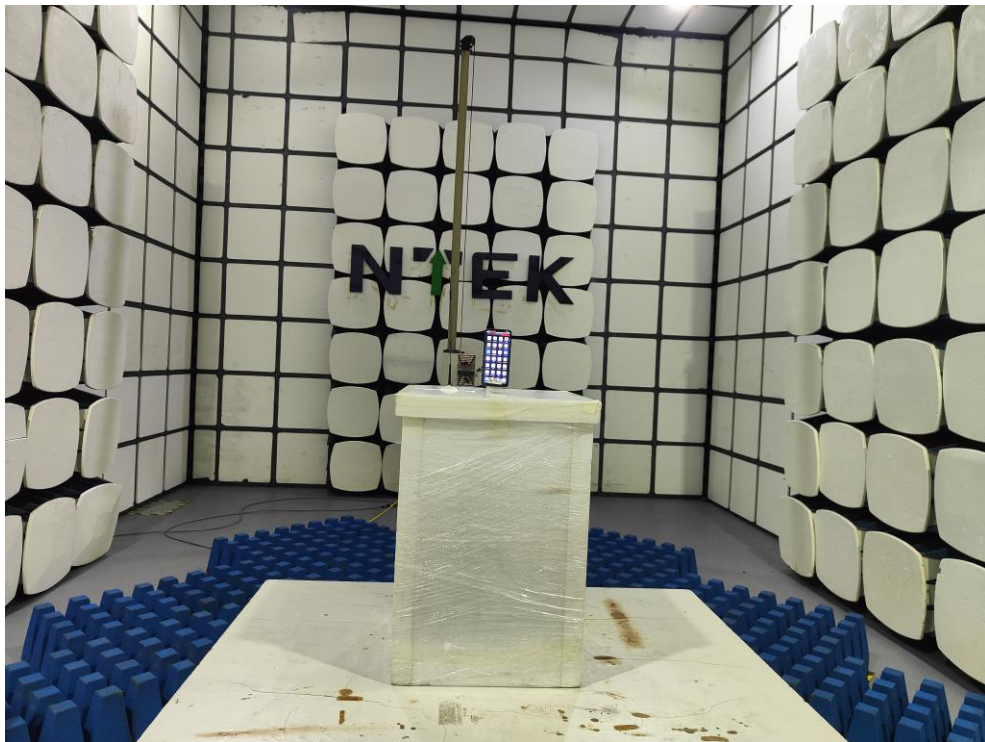
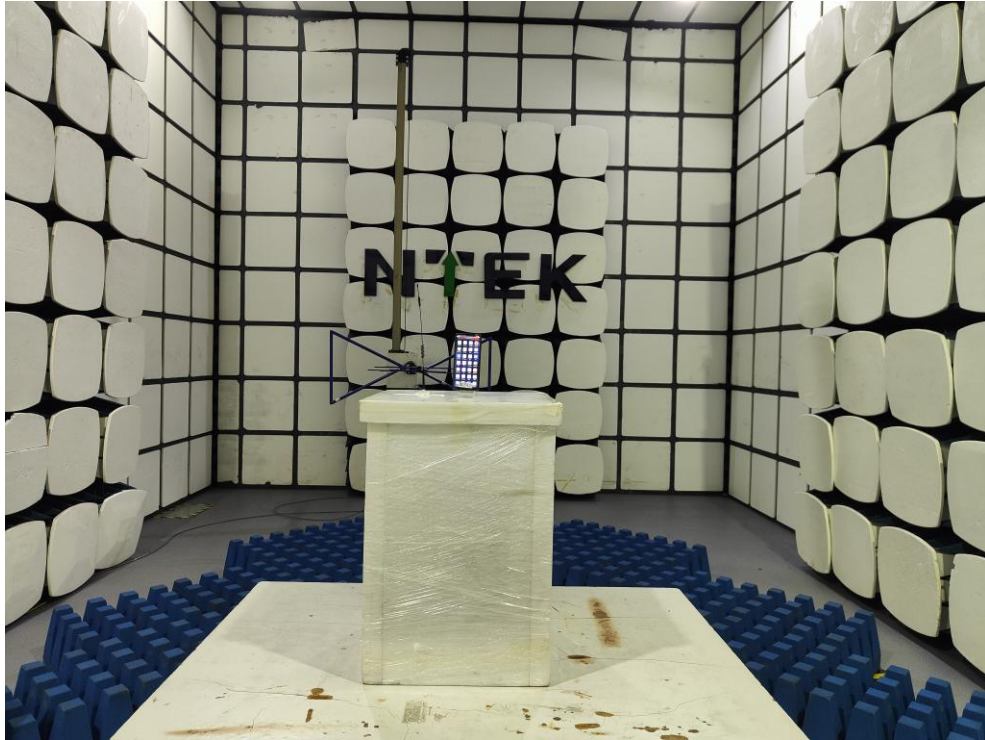
## CONDUCTED TEST DATA

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

**PHOTOGRAPHS OF THE TEST SETUP**



**Radiated Spurious Emission Test**



END OF REPORT