



# **RADIO TEST REPORT**

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

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

**Product :** Smart phone

**Trade Mark :** Blackview

**Model Name :** A52

**Family Model :** N/A

**Report No. :** STR220826001006E

### **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) LIMITEDAddress ..... : RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD  
WANCHAI HK, CHINA**Manufacturer's Name** ..... : Shenzhen DOKE Electronic Co.,LtdAddress ..... : 801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road,  
Guangming District, Shenzhen, China**Product description**

Product name ..... : Smart phone

Trademark ..... : Blackview

Model Name ..... : A52

Family Model ..... : N/A

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

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

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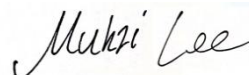
**Test Sample Number** ..... T220826001R003**Date of Test** .....

Date (s) of performance of tests ..... Aug 26, 2022 ~ Sep 14, 2022

Date of Issue..... Sep 14, 2022

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

Testing Engineer :



(Mukzi Lee)

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.....	9
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>107</b>
<b>D.3. OUT-OF-SYNCHRONIZATION HANDLING OF OUTPUT POWER .....</b>	<b>108</b>
<b>PHOTOGRAPHS OF THE TEST SETUP.....</b>	<b>111</b>



### 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	$\pm 2\%$



**2.2 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	2021.11.07	2022.11.06	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	2021.11.07	2022.11.06	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 3.85V
Extreme Temperature:	Low Temperature (LT) = -10°C High Temperature (HT) = 40°C
Extreme Voltage of the EUT (Declared by manufacturer):	Normal Voltage (NV) = DC 3.85V Low Voltage (LV) = DC 3.4V High Voltage (HV) = DC 4.2V

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

### 2.4 TEST MODE

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

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

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

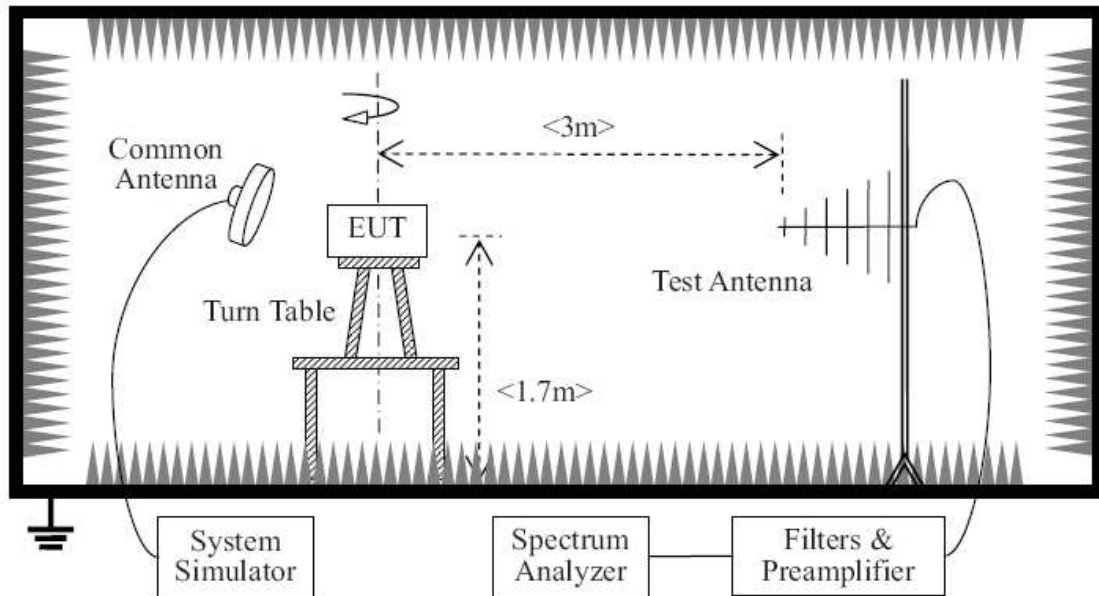
Table 2

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

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

## 2.5 TEST SETUP

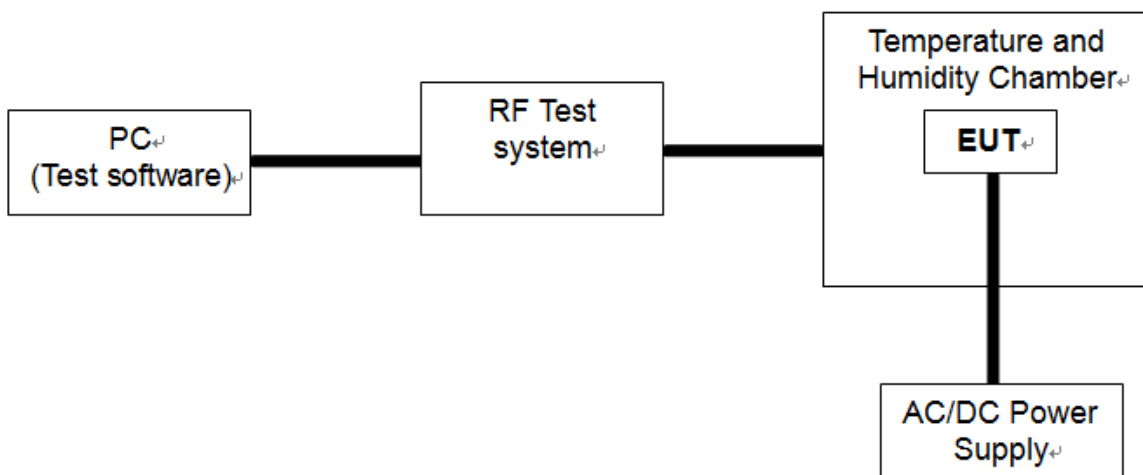
### 1. Radiated Spurious Emission Test Setup



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

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

### 2. Conducted Test



**3. SUMMARY OF THE REPORT**

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

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

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

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

**Table 2** EN Requirements Table

The test data please refer to the APPENDIX A & 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	A01	PASS	Appendix B - LTE - Extreme
4.2.5	6.3.2	Transmitter Minimum Output Power	NT / NV	FDD Band I	A01	PASS	Appendix A - LTE - Normal
			LT / LV	FDD Band III	A01	PASS	Appendix B - LTE - Extreme
			LT / HV	FDD Band VII	A01	PASS	Appendix B - LTE - Extreme
			HT / LV	FDD Band VIII	A01	PASS	Appendix B - LTE - Extreme
			HT / HV	FDD Band XX	A01	PASS	Appendix B - LTE - Extreme
4.2.3	6.6.2.1	Transmitter Spectrum Emission Mask	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.4	6.6.3.1	Transmitter Spurious Emissions	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal
4.2.6	7.5	Receiver Adjacent Channel Selectivity (ACS)	NTC	FDD Band I FDD Band III FDD Band VII FDD Band VIII FDD Band XX	A01	PASS	Appendix A - LTE - Normal



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

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

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

### D.1. RADIATED SPURIOUS EMISSIONS.

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
36.240	-54.83	6.19	-48.64	-36	-12.64	PASS
69.266	-56.75	2.90	-53.85	-36	-17.85	PASS
247.292	-59.91	2.64	-57.27	-36	-21.27	PASS
609.907	-56.43	2.61	-53.82	-36	-17.82	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1133.187	-54.35	11.64	-42.71	-30	-12.71	PASS
3526.845	-59.31	10.11	-49.20	-30	-19.20	PASS
4098.171	-60.77	17.33	-43.44	-30	-13.44	PASS
9355.505	-61.61	12.94	-48.67	-30	-18.67	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.516	-50.90	5.29	-45.61	-36	-9.61	PASS
99.945	-53.47	9.62	-43.85	-36	-7.85	PASS
130.416	-52.93	6.64	-46.29	-36	-10.29	PASS
518.954	-59.19	5.70	-53.49	-36	-17.49	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1296.725	-56.70	13.93	-42.77	-30	-12.77	PASS
3101.865	-60.34	13.99	-46.35	-30	-16.35	PASS
4874.638	-58.19	15.57	-42.62	-30	-12.62	PASS
9560.492	-62.32	16.57	-45.75	-30	-15.75	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
33.997	-53.77	2.82	-50.95	-36	-14.95	PASS
80.711	-58.24	7.75	-50.49	-36	-14.49	PASS
100.456	-53.66	3.18	-50.48	-36	-14.48	PASS
536.254	-50.73	9.98	-40.75	-36	-4.75	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1616.865	-54.34	12.97	-41.37	-30	-11.37	PASS
2870.393	-58.94	11.14	-47.80	-30	-17.80	PASS
5119.068	-62.73	10.47	-52.26	-30	-22.26	PASS
7026.824	-53.44	18.15	-35.29	-30	-5.29	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)	
46.593	-58.00	4.06	-53.94	-36	-17.94	PASS
99.398	-52.60	2.93	-49.67	-36	-13.67	PASS
169.946	-59.34	3.11	-56.23	-36	-20.23	PASS
611.305	-59.66	4.40	-55.26	-36	-19.26	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1127.879	-62.60	14.41	-48.19	-30	-18.19	PASS
3671.097	-62.37	17.95	-44.42	-30	-14.42	PASS
5840.775	-53.47	11.74	-41.73	-30	-11.73	PASS
7070.328	-62.98	12.62	-50.36	-30	-20.36	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
41.062	-57.65	7.30	-50.35	-36	-14.35	PASS
75.595	-54.10	7.98	-46.12	-36	-10.12	PASS
143.377	-57.19	9.75	-47.44	-36	-11.44	PASS
517.429	-59.82	5.88	-53.94	-36	-17.94	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)	
1561.366	-55.44	14.39	-41.05	-30	-11.05	PASS
2966.180	-61.08	16.74	-44.34	-30	-14.34	PASS
5429.082	-62.96	12.97	-49.99	-30	-19.99	PASS
7341.573	-58.28	12.47	-45.81	-30	-15.81	PASS

Remark:

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



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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
43.019	-58.14	9.33	-48.81	-36	-12.81	PASS
72.468	-50.30	4.98	-45.32	-36	-9.32	PASS
348.558	-59.12	7.44	-51.68	-36	-15.68	PASS
653.858	-59.60	2.39	-57.21	-36	-21.21	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)	
1261.750	-58.68	18.56	-40.12	-30	-10.12	PASS
3143.944	-57.98	13.26	-44.72	-30	-14.72	PASS
4014.619	-54.13	11.57	-42.56	-30	-12.56	PASS
7874.374	-58.37	15.23	-43.14	-30	-13.14	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)	
40.657	-52.65	2.80	-49.85	-36	-13.85	PASS
76.078	-50.55	1.11	-49.44	-36	-13.44	PASS
376.448	-59.24	1.78	-57.46	-36	-21.46	PASS
577.418	-51.76	6.00	-45.76	-36	-9.76	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)	
1245.336	-54.20	14.97	-39.23	-30	-9.23	PASS
4159.090	-59.32	11.30	-48.02	-30	-18.02	PASS
5056.991	-60.87	16.30	-44.57	-30	-14.57	PASS
6524.855	-56.36	14.78	-41.58	-30	-11.58	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)	
34.950	-59.31	2.68	-56.63	-36	-20.63	PASS
85.406	-56.52	7.71	-48.81	-36	-12.81	PASS
237.091	-52.69	8.49	-44.20	-36	-8.20	PASS
637.595	-55.31	4.02	-51.29	-36	-15.29	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)	
1439.266	-60.05	10.11	-49.94	-30	-19.94	PASS
2948.713	-59.25	14.05	-45.20	-30	-15.20	PASS
4065.085	-62.37	17.02	-45.35	-30	-15.35	PASS
6719.714	-60.17	11.55	-48.62	-30	-18.62	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)	
39.889	-57.04	4.73	-52.31	-36	-16.31	PASS
68.724	-52.29	5.96	-46.33	-36	-10.33	PASS
133.190	-55.72	5.69	-50.03	-36	-14.03	PASS
513.839	-51.20	1.44	-49.76	-36	-13.76	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1439.326	-53.27	18.19	-35.08	-30	-5.08	PASS
3915.853	-60.48	12.02	-48.46	-30	-18.46	PASS
5205.640	-61.48	15.56	-45.92	-30	-15.92	PASS
7993.826	-56.67	16.06	-40.61	-30	-10.61	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)	
47.972	-50.42	1.31	-49.11	-36	-13.11	PASS
87.995	-57.17	8.63	-48.54	-36	-12.54	PASS
344.874	-53.18	1.56	-51.62	-36	-15.62	PASS
674.189	-51.15	4.15	-47.00	-36	-11.00	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)	
1307.174	-54.49	14.89	-39.60	-30	-9.60	PASS
2660.462	-58.21	10.89	-47.32	-30	-17.32	PASS
4200.180	-58.41	11.05	-47.36	-30	-17.36	PASS
6950.690	-55.60	17.23	-38.37	-30	-8.37	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)	
40.874	-53.62	5.19	-48.43	-36	-12.43	PASS
82.665	-59.22	4.06	-55.16	-36	-19.16	PASS
395.510	-55.32	5.56	-49.76	-36	-13.76	PASS
636.958	-50.84	7.59	-43.25	-36	-7.25	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)	
1181.022	-53.13	10.03	-43.10	-30	-13.10	PASS
3463.892	-62.36	14.63	-47.73	-30	-17.73	PASS
5494.691	-53.04	15.05	-37.99	-30	-7.99	PASS
8313.070	-58.24	14.55	-43.69	-30	-13.69	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)	
44.305	-51.65	7.12	-44.53	-36	-8.53	PASS
95.786	-54.38	3.91	-50.47	-36	-14.47	PASS
276.531	-52.49	1.87	-50.62	-36	-14.62	PASS
532.029	-54.19	6.65	-47.54	-36	-11.54	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)	
1344.737	-57.58	10.09	-47.49	-30	-17.49	PASS
2888.011	-57.25	17.62	-39.63	-30	-9.63	PASS
4421.110	-61.58	18.87	-42.71	-30	-12.71	PASS
6322.997	-57.51	10.94	-46.57	-30	-16.57	PASS

Remark:

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

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
33.490	-55.50	8.11	-47.39	-36	-11.39	PASS
58.776	-53.73	7.17	-46.56	-36	-10.56	PASS
252.883	-52.08	1.45	-50.63	-36	-14.63	PASS
603.047	-50.00	7.71	-42.29	-36	-6.29	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
1309.399	-59.73	10.09	-49.64	-30	-19.64	PASS
2464.780	-59.59	10.11	-49.48	-30	-19.48	PASS
4454.512	-56.02	11.72	-44.30	-30	-14.30	PASS
8516.710	-53.54	13.73	-39.81	-30	-9.81	PASS

Remark:

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



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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
33.250	-52.48	6.77	-45.71	-36	-9.71	PASS
78.739	-53.99	1.35	-52.64	-36	-16.64	PASS
120.040	-55.84	2.13	-53.71	-36	-17.71	PASS
513.323	-57.03	7.49	-49.54	-36	-13.54	PASS

Remark:

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

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

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Remark
1255.743	-60.22	12.48	-47.74	-30	-17.74	PASS
2610.105	-59.40	18.50	-40.90	-30	-10.90	PASS
5031.035	-60.07	11.51	-48.56	-30	-18.56	PASS
6390.503	-59.92	16.60	-43.32	-30	-13.32	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)	
46.188	-59.63	2.96	-56.67	-36	-20.67	PASS
72.773	-55.23	8.79	-46.44	-36	-10.44	PASS
224.951	-57.86	4.07	-53.79	-36	-17.79	PASS
602.065	-52.83	6.23	-46.60	-36	-10.60	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)	
1428.526	-53.65	12.78	-40.87	-30	-10.87	PASS
3857.441	-57.31	11.63	-45.68	-30	-15.68	PASS
4990.946	-57.63	18.63	-39.00	-30	-9.00	PASS
6997.333	-57.20	17.19	-40.01	-30	-10.01	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)	
41.608	-55.79	7.71	-48.08	-36	-12.08	PASS
52.245	-58.18	2.67	-55.51	-36	-19.51	PASS
184.526	-54.96	2.89	-52.07	-36	-16.07	PASS
666.560	-59.47	5.03	-54.44	-36	-18.44	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)	
1450.596	-62.63	13.16	-49.47	-30	-19.47	PASS
3973.548	-53.80	16.18	-37.62	-30	-7.62	PASS
4439.660	-61.47	13.70	-47.77	-30	-17.77	PASS
8398.016	-61.31	18.85	-42.46	-30	-12.46	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)	
37.069	-54.65	7.09	-47.56	-36	-11.56	PASS
54.560	-58.70	3.70	-55.00	-36	-19.00	PASS
174.633	-50.86	1.12	-49.74	-36	-13.74	PASS
644.213	-58.78	6.48	-52.30	-36	-16.30	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)	
1383.572	-61.61	14.46	-47.15	-30	-17.15	PASS
3106.017	-62.44	15.88	-46.56	-30	-16.56	PASS
4365.894	-53.64	16.08	-37.56	-30	-7.56	PASS
8848.196	-54.87	17.63	-37.24	-30	-7.24	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)	
41.347	-53.55	3.36	-50.19	-36	-14.19	PASS
59.726	-59.92	1.63	-58.29	-36	-22.29	PASS
394.736	-57.05	6.17	-50.88	-36	-14.88	PASS
585.223	-56.33	3.07	-53.26	-36	-17.26	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)	
1173.735	-59.10	15.64	-43.46	-30	-13.46	PASS
4091.484	-59.16	11.46	-47.70	-30	-17.70	PASS
4654.255	-56.39	16.45	-39.94	-30	-9.94	PASS
8383.614	-56.23	11.03	-45.20	-30	-15.20	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)	
35.625	-53.84	9.01	-44.83	-36	-8.83	PASS
66.551	-55.22	8.37	-46.85	-36	-10.85	PASS
368.663	-59.87	1.42	-58.45	-36	-22.45	PASS
502.536	-58.19	1.39	-56.80	-36	-20.80	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)	
1554.815	-57.41	10.57	-46.84	-30	-16.84	PASS
3537.143	-61.34	11.67	-49.67	-30	-19.67	PASS
4800.599	-62.40	10.29	-52.11	-30	-22.11	PASS
8197.934	-55.68	11.91	-43.77	-30	-13.77	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)	
34.404	-54.85	4.68	-50.17	-36	-14.17	PASS
95.799	-57.29	5.62	-51.67	-36	-15.67	PASS
230.028	-52.79	2.29	-50.50	-36	-14.50	PASS
694.695	-50.55	1.79	-48.76	-36	-12.76	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)	
1108.094	-56.53	11.84	-44.69	-30	-14.69	PASS
4082.348	-61.46	18.27	-43.19	-30	-13.19	PASS
4744.392	-58.18	11.63	-46.55	-30	-16.55	PASS
6140.092	-61.49	17.10	-44.39	-30	-14.39	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)	
34.748	-57.71	3.21	-54.50	-36	-18.50	PASS
77.481	-57.55	4.03	-53.52	-36	-17.52	PASS
262.288	-57.11	3.17	-53.94	-36	-17.94	PASS
656.244	-58.30	7.39	-50.91	-36	-14.91	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)	
1132.453	-60.62	18.22	-42.40	-30	-12.40	PASS
2602.553	-54.54	16.27	-38.27	-30	-8.27	PASS
5271.668	-54.02	11.32	-42.70	-30	-12.70	PASS
7748.536	-54.15	15.75	-38.40	-30	-8.40	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)	
40.603	-51.51	3.61	-47.90	-36	-11.90	PASS
53.840	-53.46	2.78	-50.68	-36	-14.68	PASS
110.416	-53.60	2.88	-50.72	-36	-14.72	PASS
583.109	-54.58	6.22	-48.36	-36	-12.36	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)	
1397.851	-54.20	11.36	-42.84	-30	-12.84	PASS
3206.583	-56.50	16.98	-39.52	-30	-9.52	PASS
4168.920	-57.61	10.35	-47.26	-30	-17.26	PASS
8932.464	-57.95	13.86	-44.09	-30	-14.09	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)	
35.952	-54.65	3.10	-51.55	-36	-15.55	PASS
90.687	-53.81	9.79	-44.02	-36	-8.02	PASS
378.124	-54.66	1.96	-52.70	-36	-16.70	PASS
570.899	-53.12	6.58	-46.54	-36	-10.54	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)	
1614.697	-54.85	16.90	-37.95	-30	-7.95	PASS
3550.131	-54.84	10.29	-44.55	-30	-14.55	PASS
5494.109	-54.47	16.95	-37.52	-30	-7.52	PASS
7665.842	-62.89	12.91	-49.98	-30	-19.98	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)	
43.320	-52.57	7.78	-44.79	-36	-8.79	PASS
52.377	-57.67	5.30	-52.37	-36	-16.37	PASS
323.545	-51.68	4.36	-47.32	-36	-11.32	PASS
594.826	-56.90	5.52	-51.38	-36	-15.38	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)	
1528.551	-55.18	12.94	-42.24	-30	-12.24	PASS
2877.034	-57.89	11.28	-46.61	-30	-16.61	PASS
4512.760	-56.27	15.93	-40.34	-30	-10.34	PASS
8223.720	-57.49	13.00	-44.49	-30	-14.49	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
35.701	-50.25	3.25	-47.00	-36	-11.00	PASS
98.124	-57.85	8.22	-49.63	-36	-13.63	PASS
268.254	-55.28	6.61	-48.67	-36	-12.67	PASS
587.110	-54.61	1.59	-53.02	-36	-17.02	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
1545.136	-60.33	10.84	-49.49	-30	-19.49	PASS
3474.416	-60.73	11.00	-49.73	-30	-19.73	PASS
4416.601	-61.78	10.34	-51.44	-30	-21.44	PASS
8950.272	-60.16	16.45	-43.71	-30	-13.71	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)	
33.407	-58.62	7.51	-51.11	-36	-15.11	PASS
99.734	-56.08	7.89	-48.19	-36	-12.19	PASS
245.456	-51.63	2.58	-49.05	-36	-13.05	PASS
673.295	-57.59	1.02	-56.57	-36	-20.57	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1371.646	-55.42	17.42	-38.00	-30	-8.00	PASS
3359.963	-53.70	12.29	-41.41	-30	-11.41	PASS
5116.275	-55.94	14.72	-41.22	-30	-11.22	PASS
9129.418	-57.81	11.65	-46.16	-30	-16.16	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)	
46.343	-54.05	5.90	-48.15	-36	-12.15	PASS
70.934	-52.88	2.07	-50.81	-36	-14.81	PASS
107.116	-53.39	6.36	-47.03	-36	-11.03	PASS
555.382	-58.58	9.18	-49.40	-36	-13.40	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)	
1162.272	-55.97	13.94	-42.03	-30	-12.03	PASS
2857.052	-59.25	14.84	-44.41	-30	-14.41	PASS
4486.716	-53.79	10.29	-43.50	-30	-13.50	PASS
7819.782	-54.63	11.21	-43.42	-30	-13.42	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)	
45.499	-50.28	2.67	-47.61	-36	-11.61	PASS
94.880	-52.26	2.62	-49.64	-36	-13.64	PASS
154.116	-53.03	6.01	-47.02	-36	-11.02	PASS
632.839	-55.15	2.03	-53.12	-36	-17.12	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)	
1333.722	-60.43	10.61	-49.82	-30	-19.82	PASS
2650.656	-58.71	16.68	-42.03	-30	-12.03	PASS
5523.936	-60.14	16.77	-43.37	-30	-13.37	PASS
7806.158	-59.33	12.39	-46.94	-30	-16.94	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)	
34.009	-56.27	9.27	-47.00	-36	-11.00	PASS
90.398	-50.93	4.21	-46.72	-36	-10.72	PASS
202.578	-59.51	6.01	-53.50	-36	-17.50	PASS
603.173	-55.36	6.22	-49.14	-36	-13.14	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)	
1100.680	-57.62	17.17	-40.45	-30	-10.45	PASS
3998.821	-57.94	16.56	-41.38	-30	-11.38	PASS
5631.009	-61.28	14.86	-46.42	-30	-16.42	PASS
9129.364	-59.80	15.64	-44.16	-30	-14.16	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)	
33.296	-58.48	3.65	-54.83	-36	-18.83	PASS
92.419	-57.02	5.79	-51.23	-36	-15.23	PASS
238.681	-57.75	5.72	-52.03	-36	-16.03	PASS
527.149	-55.92	7.87	-48.05	-36	-12.05	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)	
1365.172	-56.54	17.31	-39.23	-30	-9.23	PASS
2723.118	-55.92	18.93	-36.99	-30	-6.99	PASS
5364.174	-56.00	17.00	-39.00	-30	-9.00	PASS
6442.762	-61.92	18.65	-43.27	-30	-13.27	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)	
38.560	-51.71	4.13	-47.58	-36	-11.58	PASS
96.922	-51.34	2.71	-48.63	-36	-12.63	PASS
156.455	-56.40	7.29	-49.11	-36	-13.11	PASS
670.003	-57.68	8.74	-48.94	-36	-12.94	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)	
1435.790	-58.85	15.53	-43.32	-30	-13.32	PASS
3784.296	-60.98	10.37	-50.61	-30	-20.61	PASS
5717.160	-61.71	13.39	-48.32	-30	-18.32	PASS
9018.438	-62.39	10.46	-51.93	-30	-21.93	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)	
34.587	-53.43	9.71	-43.72	-36	-7.72	PASS
80.681	-51.27	7.88	-43.39	-36	-7.39	PASS
271.894	-59.73	6.36	-53.37	-36	-17.37	PASS
673.450	-57.30	9.62	-47.68	-36	-11.68	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)	
1546.916	-62.64	14.98	-47.66	-30	-17.66	PASS
3722.220	-61.36	14.31	-47.05	-30	-17.05	PASS
4369.412	-55.29	10.05	-45.24	-30	-15.24	PASS
7875.644	-53.28	18.79	-34.49	-30	-4.49	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
34.883	-50.28	3.41	-46.87	-36	-10.87	PASS
96.899	-56.93	5.74	-51.19	-36	-15.19	PASS
196.288	-53.92	6.41	-47.51	-36	-11.51	PASS
642.141	-56.68	9.54	-47.14	-36	-11.14	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)	
1444.905	-60.96	16.07	-44.89	-30	-14.89	PASS
3194.602	-58.66	15.41	-43.25	-30	-13.25	PASS
4194.833	-54.88	13.70	-41.18	-30	-11.18	PASS
6204.192	-57.45	16.04	-41.41	-30	-11.41	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)	
33.653	-53.54	7.30	-46.24	-36	-10.24	PASS
62.245	-56.73	4.96	-51.77	-36	-15.77	PASS
301.571	-57.73	3.81	-53.92	-36	-17.92	PASS
669.475	-50.96	1.15	-49.81	-36	-13.81	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)	
1407.213	-54.76	10.35	-44.41	-30	-14.41	PASS
2658.477	-54.63	17.71	-36.92	-30	-6.92	PASS
4894.928	-60.23	15.57	-44.66	-30	-14.66	PASS
6031.930	-55.84	11.44	-44.40	-30	-14.40	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)	
41.173	-56.86	2.76	-54.10	-36	-18.10	PASS
87.440	-58.53	2.64	-55.89	-36	-19.89	PASS
294.270	-57.29	8.23	-49.06	-36	-13.06	PASS
651.500	-51.67	3.13	-48.54	-36	-12.54	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)	
1232.590	-59.27	13.37	-45.90	-30	-15.90	PASS
3014.061	-53.11	17.23	-35.88	-30	-5.88	PASS
5637.054	-62.53	11.16	-51.37	-30	-21.37	PASS
6807.199	-56.55	13.91	-42.64	-30	-12.64	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)	
46.764	-59.15	5.56	-53.59	-36	-17.59	PASS
98.316	-53.72	5.59	-48.13	-36	-12.13	PASS
121.318	-56.32	4.67	-51.65	-36	-15.65	PASS
654.764	-50.20	1.31	-48.89	-36	-12.89	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)	
1500.943	-60.84	10.66	-50.18	-30	-20.18	PASS
2730.089	-54.29	16.42	-37.87	-30	-7.87	PASS
5799.302	-54.02	10.11	-43.91	-30	-13.91	PASS
9749.318	-59.42	18.50	-40.92	-30	-10.92	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)	
40.032	-55.15	1.10	-54.05	-36	-18.05	PASS
92.532	-52.21	8.18	-44.03	-36	-8.03	PASS
290.330	-52.39	1.34	-51.05	-36	-15.05	PASS
571.973	-57.18	6.64	-50.54	-36	-14.54	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)	
1307.386	-57.14	11.34	-45.80	-30	-15.80	PASS
3246.892	-60.02	18.43	-41.59	-30	-11.59	PASS
5534.505	-53.10	10.43	-42.67	-30	-12.67	PASS
7075.070	-60.85	16.13	-44.72	-30	-14.72	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)	
39.360	-56.44	4.81	-51.63	-36	-15.63	PASS
64.088	-53.99	6.66	-47.33	-36	-11.33	PASS
326.883	-54.68	2.58	-52.10	-36	-16.10	PASS
597.610	-58.13	2.79	-55.34	-36	-19.34	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)	
1457.534	-61.17	14.84	-46.33	-30	-16.33	PASS
3644.293	-62.86	14.20	-48.66	-30	-18.66	PASS
5982.559	-54.41	11.66	-42.75	-30	-12.75	PASS
6521.073	-56.38	12.91	-43.47	-30	-13.47	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)	
38.561	-55.93	1.84	-54.09	-36	-18.09	PASS
76.921	-50.57	8.66	-41.91	-36	-5.91	PASS
190.386	-55.28	7.09	-48.19	-36	-12.19	PASS
655.605	-51.84	6.66	-45.18	-36	-9.18	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)	
1210.496	-56.95	12.08	-44.87	-30	-14.87	PASS
4159.307	-54.07	16.46	-37.61	-30	-7.61	PASS
4714.275	-62.22	11.18	-51.04	-30	-21.04	PASS
8660.756	-58.53	11.24	-47.29	-30	-17.29	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)	
33.940	-51.31	9.60	-41.71	-36	-5.71	PASS
55.221	-57.55	6.53	-51.02	-36	-15.02	PASS
307.991	-59.58	4.19	-55.39	-36	-19.39	PASS
646.301	-56.73	3.47	-53.26	-36	-17.26	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1355.253	-62.02	11.37	-50.65	-30	-20.65	PASS
2833.327	-58.90	15.32	-43.58	-30	-13.58	PASS
5007.268	-54.41	11.04	-43.37	-30	-13.37	PASS
7392.801	-60.00	14.19	-45.81	-30	-15.81	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)	
38.628	-51.69	6.52	-45.17	-36	-9.17	PASS
52.409	-51.86	5.95	-45.91	-36	-9.91	PASS
293.380	-50.83	5.69	-45.14	-36	-9.14	PASS
561.022	-51.59	4.18	-47.41	-36	-11.41	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)	
1547.912	-62.11	10.99	-51.12	-30	-21.12	PASS
3522.480	-56.08	12.57	-43.51	-30	-13.51	PASS
4527.558	-53.92	11.34	-42.58	-30	-12.58	PASS
6402.627	-59.38	14.15	-45.23	-30	-15.23	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)	
46.605	-57.19	9.13	-48.06	-36	-12.06	PASS
52.934	-54.63	6.78	-47.85	-36	-11.85	PASS
333.105	-50.67	6.19	-44.48	-36	-8.48	PASS
599.537	-56.30	8.06	-48.24	-36	-12.24	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)	
1449.234	-59.92	16.97	-42.95	-30	-12.95	PASS
3489.670	-53.92	13.48	-40.44	-30	-10.44	PASS
5215.759	-60.78	15.53	-45.25	-30	-15.25	PASS
6985.530	-53.95	18.89	-35.06	-30	-5.06	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 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
45.203	-53.75	9.46	-44.29	-36	-8.29	PASS
70.226	-52.95	3.64	-49.31	-36	-13.31	PASS
315.550	-53.50	1.89	-51.61	-36	-15.61	PASS
612.385	-59.49	6.86	-52.63	-36	-16.63	PASS

Remark:

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

Band 8 CH L 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1122.348	-62.05	17.53	-44.52	-30	-14.52	PASS
4165.523	-54.09	13.39	-40.70	-30	-10.70	PASS
5978.742	-53.83	15.31	-38.52	-30	-8.52	PASS
8739.409	-62.04	15.92	-46.12	-30	-16.12	PASS

Remark:

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

Band 8 CH L 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
47.550	-58.97	7.17	-51.80	-36	-15.80	PASS
89.762	-55.09	5.08	-50.01	-36	-14.01	PASS
174.504	-52.97	3.16	-49.81	-36	-13.81	PASS
621.545	-57.87	9.25	-48.62	-36	-12.62	PASS

Remark:

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

Band 8 CH L 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1378.629	-53.77	15.61	-38.16	-30	-8.16	PASS
3968.124	-56.79	18.35	-38.44	-30	-8.44	PASS
4741.684	-62.47	14.82	-47.65	-30	-17.65	PASS
9059.925	-55.35	16.29	-39.06	-30	-9.06	PASS

Remark:

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

Band 8 CH M 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
34.959	-56.49	9.80	-46.69	-36	-10.69	PASS
63.035	-56.81	7.19	-49.62	-36	-13.62	PASS
306.446	-54.09	7.27	-46.82	-36	-10.82	PASS
666.287	-51.74	6.47	-45.27	-36	-9.27	PASS

Remark:

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

Band 8 CH M 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1239.030	-60.55	13.33	-47.22	-30	-17.22	PASS
2302.092	-61.88	10.95	-50.93	-30	-20.93	PASS
4151.971	-60.43	10.54	-49.89	-30	-19.89	PASS
8542.043	-56.03	18.06	-37.97	-30	-7.97	PASS

Remark:

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



Band 8 CH M 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
35.061	-59.95	2.16	-57.79	-36	-21.79	PASS
87.319	-57.25	9.03	-48.22	-36	-12.22	PASS
330.171	-51.94	4.55	-47.39	-36	-11.39	PASS
561.982	-58.79	7.46	-51.33	-36	-15.33	PASS

Remark:

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

Band 8 CH M 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1517.811	-57.15	18.68	-38.47	-30	-8.47	PASS
2948.638	-61.41	17.94	-43.47	-30	-13.47	PASS
5723.943	-57.36	11.16	-46.20	-30	-16.20	PASS
9563.208	-54.41	15.46	-38.95	-30	-8.95	PASS

Remark:

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

Band 8 CH H 1.4M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
37.432	-58.09	7.40	-50.69	-36	-14.69	PASS
96.440	-50.16	6.62	-43.54	-36	-7.54	PASS
235.597	-55.59	8.54	-47.05	-36	-11.05	PASS
511.508	-50.13	9.14	-40.99	-36	-4.99	PASS

Remark:

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

Band 8 CH H 1.4M QPSK H 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1133.811	-55.89	13.40	-42.49	-30	-12.49	PASS
2912.811	-56.62	15.63	-40.99	-30	-10.99	PASS
4831.733	-57.60	17.98	-39.62	-30	-9.62	PASS
6137.761	-59.78	12.38	-47.40	-30	-17.40	PASS

Remark:

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

Band 8 CH H 1.4M QPSK V 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
44.938	-55.66	3.37	-52.29	-36	-16.29	PASS
76.605	-57.73	5.80	-51.93	-36	-15.93	PASS
354.635	-50.03	9.84	-40.19	-36	-4.19	PASS
650.143	-57.71	2.19	-55.52	-36	-19.52	PASS

Remark:

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

Band 8 CH H 1.4M QPSK V 1-12.75G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1298.439	-61.28	13.22	-48.06	-30	-18.06	PASS
2922.359	-62.83	10.86	-51.97	-30	-21.97	PASS
5995.049	-55.30	18.15	-37.15	-30	-7.15	PASS
6286.714	-55.66	10.23	-45.43	-30	-15.43	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)	
36.461	-58.36	2.27	-56.09	-36	-20.09	PASS
62.631	-59.75	8.79	-50.96	-36	-14.96	PASS
168.191	-57.58	6.32	-51.26	-36	-15.26	PASS
695.524	-58.93	1.54	-57.39	-36	-21.39	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)	
1440.466	-62.27	14.72	-47.55	-30	-17.55	PASS
2700.039	-57.29	10.13	-47.16	-30	-17.16	PASS
5636.305	-58.57	14.01	-44.56	-30	-14.56	PASS
8972.056	-57.12	10.21	-46.91	-30	-16.91	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)	
35.752	-58.61	7.14	-51.47	-36	-15.47	PASS
59.850	-57.50	1.57	-55.93	-36	-19.93	PASS
388.766	-59.87	4.18	-55.69	-36	-19.69	PASS
522.719	-58.68	1.52	-57.16	-36	-21.16	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1608.668	-53.57	16.34	-37.23	-30	-7.23	PASS
2469.207	-61.21	16.88	-44.33	-30	-14.33	PASS
5734.977	-61.49	10.80	-50.69	-30	-20.69	PASS
6622.222	-53.07	11.24	-41.83	-30	-11.83	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)	
43.687	-56.57	8.94	-47.63	-36	-11.63	PASS
51.319	-57.21	6.60	-50.61	-36	-14.61	PASS
320.069	-54.75	4.19	-50.56	-36	-14.56	PASS
532.406	-58.52	2.64	-55.88	-36	-19.88	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)	
1483.291	-54.68	15.68	-39.00	-30	-9.00	PASS
3575.413	-57.67	11.82	-45.85	-30	-15.85	PASS
5852.358	-59.91	16.39	-43.52	-30	-13.52	PASS
6098.187	-56.46	13.88	-42.58	-30	-12.58	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)	
36.209	-52.87	2.30	-50.57	-36	-14.57	PASS
65.726	-59.03	4.54	-54.49	-36	-18.49	PASS
328.559	-50.29	3.90	-46.39	-36	-10.39	PASS
661.126	-56.07	4.93	-51.14	-36	-15.14	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)	
1138.749	-60.86	16.93	-43.93	-30	-13.93	PASS
2428.952	-63.00	17.02	-45.98	-30	-15.98	PASS
4648.499	-59.34	15.57	-43.77	-30	-13.77	PASS
6658.140	-56.34	18.78	-37.56	-30	-7.56	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)	
35.655	-57.29	5.03	-52.26	-36	-16.26	PASS
53.781	-59.37	4.97	-54.40	-36	-18.40	PASS
281.989	-59.80	2.97	-56.83	-36	-20.83	PASS
626.551	-51.33	2.35	-48.98	-36	-12.98	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)	
1530.135	-54.01	17.89	-36.12	-30	-6.12	PASS
3334.985	-61.99	16.24	-45.75	-30	-15.75	PASS
5578.790	-62.38	10.68	-51.70	-30	-21.70	PASS
6733.855	-57.81	15.51	-42.30	-30	-12.30	PASS

Remark:

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



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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
37.493	-57.20	1.99	-55.21	-36	-19.21	PASS
88.853	-53.82	6.34	-47.48	-36	-11.48	PASS
206.880	-57.52	3.43	-54.09	-36	-18.09	PASS
618.254	-57.70	4.52	-53.18	-36	-17.18	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)	
1617.228	-54.30	10.74	-43.56	-30	-13.56	PASS
3536.502	-56.43	15.94	-40.49	-30	-10.49	PASS
5474.650	-61.72	12.57	-49.15	-30	-19.15	PASS
8101.810	-56.16	11.42	-44.74	-30	-14.74	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)	
43.555	-54.76	5.81	-48.95	-36	-12.95	PASS
76.568	-59.51	2.88	-56.63	-36	-20.63	PASS
285.414	-58.21	4.27	-53.94	-36	-17.94	PASS
676.379	-52.10	2.95	-49.15	-36	-13.15	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)	
1489.190	-56.23	14.60	-41.63	-30	-11.63	PASS
4029.825	-54.64	12.39	-42.25	-30	-12.25	PASS
4756.380	-55.99	12.40	-43.59	-30	-13.59	PASS
9459.504	-57.96	14.68	-43.28	-30	-13.28	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)	
39.998	-50.35	9.44	-40.91	-36	-4.91	PASS
65.225	-57.99	9.40	-48.59	-36	-12.59	PASS
106.834	-56.38	9.41	-46.97	-36	-10.97	PASS
555.856	-53.11	2.03	-51.08	-36	-15.08	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)	
1584.097	-62.15	14.86	-47.29	-30	-17.29	PASS
2983.025	-62.88	11.63	-51.25	-30	-21.25	PASS
4104.881	-60.27	15.80	-44.47	-30	-14.47	PASS
6355.344	-59.12	11.68	-47.44	-30	-17.44	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)	
39.531	-57.28	6.90	-50.38	-36	-14.38	PASS
96.270	-54.42	6.50	-47.92	-36	-11.92	PASS
326.376	-53.01	3.23	-49.78	-36	-13.78	PASS
575.247	-51.30	3.21	-48.09	-36	-12.09	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)	
1252.138	-60.76	10.88	-49.88	-30	-19.88	PASS
2350.745	-60.07	13.98	-46.09	-30	-16.09	PASS
5079.822	-58.39	15.91	-42.48	-30	-12.48	PASS
9777.454	-60.46	17.22	-43.24	-30	-13.24	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)	
33.405	-52.61	7.23	-45.38	-36	-9.38	PASS
92.025	-57.04	6.98	-50.06	-36	-14.06	PASS
381.803	-53.28	4.64	-48.64	-36	-12.64	PASS
696.578	-54.68	2.37	-52.31	-36	-16.31	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)	
1335.598	-61.07	17.71	-43.36	-30	-13.36	PASS
2433.531	-56.01	17.92	-38.09	-30	-8.09	PASS
5817.226	-62.29	12.77	-49.52	-30	-19.52	PASS
8199.636	-60.54	15.81	-44.73	-30	-14.73	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)	
44.556	-58.73	6.93	-51.80	-36	-15.80	PASS
95.028	-59.84	7.29	-52.55	-36	-16.55	PASS
116.475	-59.94	4.01	-55.93	-36	-19.93	PASS
694.259	-54.97	8.33	-46.64	-36	-10.64	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)	
1559.374	-59.79	10.30	-49.49	-30	-19.49	PASS
4144.479	-54.71	14.91	-39.80	-30	-9.80	PASS
4487.614	-60.25	13.15	-47.10	-30	-17.10	PASS
7203.114	-62.72	12.12	-50.60	-30	-20.60	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)	
34.043	-54.28	5.11	-49.17	-36	-13.17	PASS
52.027	-51.65	3.33	-48.32	-36	-12.32	PASS
282.276	-50.84	8.03	-42.81	-36	-6.81	PASS
607.897	-59.45	9.13	-50.32	-36	-14.32	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)	
1109.121	-53.87	17.51	-36.36	-30	-6.36	PASS
4191.775	-56.34	18.32	-38.02	-30	-8.02	PASS
4813.435	-59.20	13.31	-45.89	-30	-15.89	PASS
7968.628	-57.98	14.71	-43.27	-30	-13.27	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)	
46.397	-52.32	8.18	-44.14	-36	-8.14	PASS
68.641	-52.38	6.06	-46.32	-36	-10.32	PASS
258.893	-54.11	6.17	-47.94	-36	-11.94	PASS
693.903	-55.69	9.87	-45.82	-36	-9.82	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)	
1643.430	-55.62	11.31	-44.31	-30	-14.31	PASS
2973.102	-53.69	13.60	-40.09	-30	-10.09	PASS
4272.299	-62.49	17.49	-45.00	-30	-15.00	PASS
7197.164	-54.38	12.97	-41.41	-30	-11.41	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)	
43.376	-52.50	9.33	-43.17	-36	-7.17	PASS
84.049	-53.40	7.99	-45.41	-36	-9.41	PASS
200.794	-56.57	5.46	-51.11	-36	-15.11	PASS
627.926	-51.68	9.23	-42.45	-36	-6.45	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)	
1135.010	-58.18	15.07	-43.11	-30	-13.11	PASS
4152.723	-53.78	10.20	-43.58	-30	-13.58	PASS
4743.493	-55.03	13.69	-41.34	-30	-11.34	PASS
6103.088	-53.84	14.47	-39.37	-30	-9.37	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)	
44.229	-52.77	1.59	-51.18	-36	-15.18	PASS
72.771	-57.62	6.31	-51.31	-36	-15.31	PASS
195.526	-58.68	8.65	-50.03	-36	-14.03	PASS
609.663	-53.65	1.94	-51.71	-36	-15.71	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1436.730	-53.73	16.78	-36.95	-30	-6.95	PASS
2920.130	-57.30	18.89	-38.41	-30	-8.41	PASS
4038.330	-54.60	11.04	-43.56	-30	-13.56	PASS
7209.097	-55.79	17.21	-38.58	-30	-8.58	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)	
36.299	-50.06	5.29	-44.77	-36	-8.77	PASS
89.313	-51.66	6.21	-45.45	-36	-9.45	PASS
346.820	-50.98	5.21	-45.77	-36	-9.77	PASS
596.172	-58.19	6.76	-51.43	-36	-15.43	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)	
1560.637	-59.80	17.93	-41.87	-30	-11.87	PASS
2913.011	-60.46	16.83	-43.63	-30	-13.63	PASS
5313.643	-57.08	12.37	-44.71	-30	-14.71	PASS
9258.992	-55.13	14.32	-40.81	-30	-10.81	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 20CH H 5M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
36.456	-59.96	1.80	-58.16	-36	-22.16	PASS
64.556	-53.19	2.92	-50.27	-36	-14.27	PASS
108.869	-58.42	9.66	-48.76	-36	-12.76	PASS
633.074	-56.85	8.78	-48.07	-36	-12.07	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)	
1117.297	-58.16	17.81	-40.35	-30	-10.35	PASS
2412.634	-56.05	16.61	-39.44	-30	-9.44	PASS
4247.654	-58.92	14.37	-44.55	-30	-14.55	PASS
6659.026	-58.23	16.17	-42.06	-30	-12.06	PASS

Remark:

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

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

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
36.900	-55.78	3.26	-52.52	-36	-16.52	PASS
93.226	-50.84	8.30	-42.54	-36	-6.54	PASS
215.865	-52.80	8.62	-44.18	-36	-8.18	PASS
679.823	-54.22	1.73	-52.49	-36	-16.49	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)	
1378.245	-59.59	10.34	-49.25	-30	-19.25	PASS
3772.917	-62.49	16.97	-45.52	-30	-15.52	PASS
4946.284	-54.02	15.34	-38.68	-30	-8.68	PASS
9589.686	-54.97	15.23	-39.74	-30	-9.74	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)	
43.259	-58.06	9.85	-48.21	-36	-12.21	PASS
89.979	-51.75	4.65	-47.10	-36	-11.10	PASS
105.729	-52.61	7.94	-44.67	-36	-8.67	PASS
583.085	-56.84	2.56	-54.28	-36	-18.28	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)	
1288.698	-54.61	17.65	-36.96	-30	-6.96	PASS
2446.149	-53.50	18.55	-34.95	-30	-4.95	PASS
5307.270	-53.10	15.80	-37.30	-30	-7.30	PASS
8848.991	-60.18	17.91	-42.27	-30	-12.27	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)	
41.888	-52.91	6.12	-46.79	-36	-10.79	PASS
81.869	-51.97	8.56	-43.41	-36	-7.41	PASS
101.156	-53.17	4.71	-48.46	-36	-12.46	PASS
510.403	-56.57	4.71	-51.86	-36	-15.86	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)	
1575.535	-62.32	14.26	-48.06	-30	-18.06	PASS
3545.379	-62.83	12.77	-50.06	-30	-20.06	PASS
4748.149	-58.22	10.36	-47.86	-30	-17.86	PASS
6311.444	-62.79	15.89	-46.90	-30	-16.90	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)	
37.526	-52.79	1.33	-51.46	-36	-15.46	PASS
72.327	-52.07	5.97	-46.10	-36	-10.10	PASS
123.958	-52.70	6.59	-46.11	-36	-10.11	PASS
670.780	-58.92	5.16	-53.76	-36	-17.76	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)	
1164.148	-62.05	13.20	-48.85	-30	-18.85	PASS
3979.296	-60.91	11.60	-49.31	-30	-19.31	PASS
5912.453	-61.52	18.20	-43.32	-30	-13.32	PASS
7550.120	-56.12	13.23	-42.89	-30	-12.89	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)	
40.308	-57.06	9.73	-47.33	-36	-11.33	PASS
76.046	-51.39	8.62	-42.77	-36	-6.77	PASS
296.534	-53.28	5.54	-47.74	-36	-11.74	PASS
630.486	-55.47	6.59	-48.88	-36	-12.88	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)	
1375.190	-61.27	12.51	-48.76	-30	-18.76	PASS
2632.038	-54.32	13.98	-40.34	-30	-10.34	PASS
5360.960	-60.16	10.27	-49.89	-30	-19.89	PASS
7032.235	-60.10	12.81	-47.29	-30	-17.29	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 H 20M QPSK H 30M-1G

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
34.014	-50.85	7.71	-43.14	-36	-7.14	PASS
68.708	-50.79	3.01	-47.78	-36	-11.78	PASS
287.058	-55.66	2.01	-53.65	-36	-17.65	PASS
617.832	-50.65	2.25	-48.40	-36	-12.40	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)	
1394.189	-55.26	15.69	-39.57	-30	-9.57	PASS
2306.107	-56.13	15.25	-40.88	-30	-10.88	PASS
4194.659	-58.95	12.45	-46.50	-30	-16.50	PASS
7398.838	-54.33	17.00	-37.33	-30	-7.33	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)	
39.775	-50.39	1.06	-49.33	-36	-13.33	PASS
88.731	-57.78	4.88	-52.90	-36	-16.90	PASS
145.153	-58.33	2.25	-56.08	-36	-20.08	PASS
627.790	-58.31	6.38	-51.93	-36	-15.93	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)	
1126.962	-56.69	13.72	-42.97	-30	-12.97	PASS
2487.169	-56.47	10.56	-45.91	-30	-15.91	PASS
5481.710	-58.01	15.16	-42.85	-30	-12.85	PASS
6533.786	-56.76	18.90	-37.86	-30	-7.86	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	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
43.867	H	-73.31	6.13	-67.18	-57	-10.18	PASS
53.981	H	-75.43	4.29	-71.14	-57	-14.14	PASS
175.297	H	-76.84	7.09	-69.75	-57	-12.75	PASS
649.843	H	-72.77	7.62	-65.15	-57	-8.15	PASS
33.971	V	-76.65	7.29	-69.36	-57	-12.36	PASS
89.454	V	-81.44	8.63	-72.81	-57	-15.81	PASS
338.987	V	-74.47	6.65	-67.82	-57	-10.82	PASS
596.946	V	-80.52	5.57	-74.95	-57	-17.95	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1286.750	V	-81.37	11.01	-70.36	-47	-23.36	PASS
3266.093	V	-74.08	11.73	-62.35	-47	-15.35	PASS
5401.082	V	-77.14	17.23	-59.91	-47	-12.91	PASS
9356.238	V	-79.76	16.65	-63.11	-47	-16.11	PASS
1313.363	H	-72.58	14.02	-58.56	-47	-11.56	PASS
3935.391	H	-75.64	14.55	-61.09	-47	-14.09	PASS
5464.141	H	-81.70	14.01	-67.69	-47	-20.69	PASS
9593.833	H	-78.74	12.76	-65.98	-47	-18.98	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
37.484	H	-75.42	2.40	-73.02	-57	-16.02	PASS
52.547	H	-80.12	8.90	-71.22	-57	-14.22	PASS
102.388	H	-79.50	4.86	-74.64	-57	-17.64	PASS
616.643	H	-80.74	2.06	-78.68	-57	-21.68	PASS
43.785	V	-81.08	8.66	-72.42	-57	-15.42	PASS
86.723	V	-73.17	8.06	-65.11	-57	-8.11	PASS
259.198	V	-72.40	6.48	-65.92	-57	-8.92	PASS
663.837	V	-79.28	5.07	-74.21	-57	-17.21	PASS

Remark:

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

Band 1 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1125.560	V	-73.60	14.60	-59.00	-47	-12.00	PASS
3439.817	V	-73.93	12.69	-61.24	-47	-14.24	PASS
4523.024	V	-79.10	10.08	-69.02	-47	-22.02	PASS
7026.517	V	-73.59	12.77	-60.82	-47	-13.82	PASS
1266.757	H	-78.20	14.74	-63.46	-47	-16.46	PASS
2753.058	H	-78.50	10.17	-68.33	-47	-21.33	PASS
4044.111	H	-74.51	12.15	-62.36	-47	-15.36	PASS
6415.908	H	-80.16	17.97	-62.19	-47	-15.19	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
47.605	H	-75.46	4.34	-71.12	-57	-14.12	PASS
91.261	H	-75.27	5.19	-70.08	-57	-13.08	PASS
156.893	H	-76.04	2.18	-73.86	-57	-16.86	PASS
527.253	H	-76.58	5.61	-70.97	-57	-13.97	PASS
42.390	V	-72.31	7.74	-64.57	-57	-7.57	PASS
97.092	V	-74.06	9.94	-64.12	-57	-7.12	PASS
256.945	V	-76.60	1.10	-75.50	-57	-18.50	PASS
509.148	V	-73.54	7.76	-65.78	-57	-8.78	PASS

Remark:

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

Band 1 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1166.158	V	-76.82	15.44	-61.38	-47	-14.38	PASS
2590.660	V	-76.75	13.77	-62.98	-47	-15.98	PASS
5019.974	V	-72.83	13.55	-59.28	-47	-12.28	PASS
7656.834	V	-79.07	10.76	-68.31	-47	-21.31	PASS
1338.862	H	-78.47	10.45	-68.02	-47	-21.02	PASS
2778.187	H	-80.78	12.27	-68.51	-47	-21.51	PASS
4628.665	H	-79.87	12.08	-67.79	-47	-20.79	PASS
7167.875	H	-77.52	16.00	-61.52	-47	-14.52	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
33.853	H	-76.26	3.64	-72.62	-57	-15.62	PASS
96.479	H	-80.77	4.22	-76.55	-57	-19.55	PASS
146.478	H	-76.32	3.80	-72.52	-57	-15.52	PASS
564.229	H	-75.22	2.23	-72.99	-57	-15.99	PASS
37.394	V	-76.07	1.35	-74.72	-57	-17.72	PASS
66.042	V	-76.23	1.22	-75.01	-57	-18.01	PASS
253.468	V	-79.92	4.24	-75.68	-57	-18.68	PASS
579.322	V	-72.18	8.61	-63.57	-57	-6.57	PASS

Remark:

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

Band 3 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1229.791	V	-74.97	17.36	-57.61	-47	-10.61	PASS
2843.829	V	-78.28	16.98	-61.30	-47	-14.30	PASS
4068.320	V	-81.54	14.34	-67.20	-47	-20.20	PASS
8351.361	V	-72.99	18.22	-54.77	-47	-7.77	PASS
1468.400	H	-75.14	11.72	-63.42	-47	-16.42	PASS
3056.063	H	-80.82	13.90	-66.92	-47	-19.92	PASS
5730.934	H	-80.68	17.64	-63.04	-47	-16.04	PASS
6763.299	H	-72.58	18.61	-53.97	-47	-6.97	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
34.549	H	-79.30	1.59	-77.71	-57	-20.71	PASS
81.833	H	-81.43	2.52	-78.91	-57	-21.91	PASS
142.478	H	-80.37	8.83	-71.54	-57	-14.54	PASS
607.529	H	-75.64	3.14	-72.50	-57	-15.50	PASS
46.949	V	-76.62	8.48	-68.14	-57	-11.14	PASS
72.235	V	-76.73	6.64	-70.09	-57	-13.09	PASS
235.688	V	-77.71	7.19	-70.52	-57	-13.52	PASS
657.896	V	-77.55	3.95	-73.60	-57	-16.60	PASS

Remark:

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

Band 3 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1576.313	V	-79.44	16.07	-63.37	-47	-16.37	PASS
3013.367	V	-80.46	16.27	-64.19	-47	-17.19	PASS
5532.159	V	-81.43	17.57	-63.86	-47	-16.86	PASS
6082.980	V	-80.28	16.62	-63.66	-47	-16.66	PASS
1637.264	H	-81.24	14.76	-66.48	-47	-19.48	PASS
3629.669	H	-76.31	10.10	-66.21	-47	-19.21	PASS
4514.058	H	-72.93	18.49	-54.44	-47	-7.44	PASS
6195.828	H	-74.41	11.18	-63.23	-47	-16.23	PASS

Remark:

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



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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
39.201	H	-74.46	1.03	-73.43	-57	-16.43	PASS
77.484	H	-76.58	5.85	-70.73	-57	-13.73	PASS
120.832	H	-76.85	4.72	-72.13	-57	-15.13	PASS
629.904	H	-81.26	4.26	-77.00	-57	-20.00	PASS
42.489	V	-77.56	3.30	-74.26	-57	-17.26	PASS
94.244	V	-77.29	5.83	-71.46	-57	-14.46	PASS
374.133	V	-75.89	9.21	-66.68	-57	-9.68	PASS
627.032	V	-77.36	8.76	-68.60	-57	-11.60	PASS

Remark:

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

Band 3 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1112.296	V	-73.38	11.37	-62.01	-47	-15.01	PASS
3292.909	V	-73.54	10.57	-62.97	-47	-15.97	PASS
5680.057	V	-76.66	12.19	-64.47	-47	-17.47	PASS
6088.764	V	-72.81	13.97	-58.84	-47	-11.84	PASS
1180.323	H	-72.22	17.63	-54.59	-47	-7.59	PASS
3220.420	H	-80.37	11.78	-68.59	-47	-21.59	PASS
4902.464	H	-80.94	11.60	-69.34	-47	-22.34	PASS
6917.851	H	-75.51	11.85	-63.66	-47	-16.66	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
47.342	H	-73.92	2.24	-71.68	-57	-14.68	PASS
71.313	H	-78.54	7.56	-70.98	-57	-13.98	PASS
395.902	H	-74.03	2.37	-71.66	-57	-14.66	PASS
687.375	H	-80.14	6.09	-74.05	-57	-17.05	PASS
36.448	V	-77.22	8.74	-68.48	-57	-11.48	PASS
58.407	V	-77.82	9.47	-68.35	-57	-11.35	PASS
204.803	V	-76.52	5.31	-71.21	-57	-14.21	PASS
592.937	V	-72.24	7.53	-64.71	-57	-7.71	PASS

Remark:

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

Band 7 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1603.922	V	-75.61	17.31	-58.30	-47	-11.30	PASS
2390.186	V	-80.35	17.19	-63.16	-47	-16.16	PASS
5829.360	V	-76.62	15.29	-61.33	-47	-14.33	PASS
8072.162	V	-77.84	18.82	-59.02	-47	-12.02	PASS
1295.941	H	-77.83	12.80	-65.03	-47	-18.03	PASS
4057.996	H	-74.22	11.30	-62.92	-47	-15.92	PASS
4461.168	H	-79.78	15.29	-64.49	-47	-17.49	PASS
6721.426	H	-75.89	14.86	-61.03	-47	-14.03	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
41.913	H	-76.63	6.31	-70.32	-57	-13.32	PASS
72.640	H	-81.13	5.15	-75.98	-57	-18.98	PASS
111.696	H	-81.58	5.99	-75.59	-57	-18.59	PASS
594.043	H	-72.43	3.62	-68.81	-57	-11.81	PASS
34.144	V	-73.28	1.95	-71.33	-57	-14.33	PASS
56.753	V	-78.42	3.20	-75.22	-57	-18.22	PASS
225.820	V	-72.83	9.99	-62.84	-57	-5.84	PASS
624.507	V	-75.66	7.51	-68.15	-57	-11.15	PASS

Remark:

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

Band 7 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1612.678	V	-76.57	16.02	-60.55	-47	-13.55	PASS
4003.877	V	-72.60	15.82	-56.78	-47	-9.78	PASS
4308.349	V	-73.08	12.06	-61.02	-47	-14.02	PASS
6871.068	V	-74.50	10.34	-64.16	-47	-17.16	PASS
1597.442	H	-73.48	16.19	-57.29	-47	-10.29	PASS
2699.818	H	-76.67	11.86	-64.81	-47	-17.81	PASS
5627.323	H	-72.79	12.63	-60.16	-47	-13.16	PASS
9229.658	H	-72.23	15.60	-56.63	-47	-9.63	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
43.124	H	-73.80	2.82	-70.98	-57	-13.98	PASS
63.880	H	-72.91	7.00	-65.91	-57	-8.91	PASS
189.024	H	-73.28	9.81	-63.47	-57	-6.47	PASS
549.566	H	-81.47	3.88	-77.59	-57	-20.59	PASS
47.884	V	-81.29	3.89	-77.40	-57	-20.40	PASS
79.654	V	-77.14	4.57	-72.57	-57	-15.57	PASS
159.342	V	-72.32	8.70	-63.62	-57	-6.62	PASS
573.508	V	-79.51	4.36	-75.15	-57	-18.15	PASS

Remark:

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

Band 7 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1623.924	V	-73.71	13.57	-60.14	-47	-13.14	PASS
3073.692	V	-73.20	12.52	-60.68	-47	-13.68	PASS
5825.247	V	-74.43	13.52	-60.91	-47	-13.91	PASS
9572.350	V	-74.96	12.34	-62.62	-47	-15.62	PASS
1370.221	H	-76.80	11.39	-65.41	-47	-18.41	PASS
4158.759	H	-73.61	11.92	-61.69	-47	-14.69	PASS
5591.877	H	-80.43	10.42	-70.01	-47	-23.01	PASS
9660.437	H	-81.61	16.00	-65.61	-47	-18.61	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
35.544	H	-76.34	7.16	-69.18	-57	-12.18	PASS
51.608	H	-72.39	7.86	-64.53	-57	-7.53	PASS
292.985	H	-77.86	1.47	-76.39	-57	-19.39	PASS
569.967	H	-81.51	1.32	-80.19	-57	-23.19	PASS
38.906	V	-77.89	3.11	-74.78	-57	-17.78	PASS
92.072	V	-75.45	1.22	-74.23	-57	-17.23	PASS
352.885	V	-76.52	6.14	-70.38	-57	-13.38	PASS
632.486	V	-75.97	5.72	-70.25	-57	-13.25	PASS

Remark:

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

Band 8 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1426.800	V	-81.08	16.85	-64.23	-47	-17.23	PASS
3485.188	V	-74.92	11.58	-63.34	-47	-16.34	PASS
4667.379	V	-74.12	15.66	-58.46	-47	-11.46	PASS
9460.018	V	-74.75	17.37	-57.38	-47	-10.38	PASS
1117.987	H	-72.78	11.46	-61.32	-47	-14.32	PASS
3116.609	H	-78.78	13.75	-65.03	-47	-18.03	PASS
4870.272	H	-79.15	17.36	-61.79	-47	-14.79	PASS
8731.965	H	-79.65	13.44	-66.21	-47	-19.21	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
43.427	H	-72.67	3.88	-68.79	-57	-11.79	PASS
76.460	H	-74.15	5.25	-68.90	-57	-11.90	PASS
386.541	H	-79.13	9.01	-70.12	-57	-13.12	PASS
587.713	H	-81.10	4.04	-77.06	-57	-20.06	PASS
45.247	V	-80.96	7.95	-73.01	-57	-16.01	PASS
86.774	V	-79.28	7.95	-71.33	-57	-14.33	PASS
179.000	V	-75.63	4.75	-70.88	-57	-13.88	PASS
589.721	V	-79.01	8.52	-70.49	-57	-13.49	PASS

Remark:

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

Band 8 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1591.959	V	-78.54	16.87	-61.67	-47	-14.67	PASS
2554.692	V	-75.16	17.47	-57.69	-47	-10.69	PASS
4537.362	V	-73.84	11.12	-62.72	-47	-15.72	PASS
8798.669	V	-75.87	18.74	-57.13	-47	-10.13	PASS
1434.772	H	-74.02	12.47	-61.55	-47	-14.55	PASS
3892.585	H	-76.20	18.50	-57.70	-47	-10.70	PASS
5843.700	H	-78.25	16.71	-61.54	-47	-14.54	PASS
8632.623	H	-74.79	18.97	-55.82	-47	-8.82	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
44.938	H	-72.64	9.07	-63.57	-57	-6.57	PASS
59.617	H	-75.82	6.12	-69.70	-57	-12.70	PASS
260.093	H	-77.94	2.57	-75.37	-57	-18.37	PASS
559.703	H	-79.29	3.88	-75.41	-57	-18.41	PASS
43.118	V	-77.77	8.39	-69.38	-57	-12.38	PASS
60.785	V	-72.99	1.27	-71.72	-57	-14.72	PASS
141.458	V	-73.34	7.12	-66.22	-57	-9.22	PASS
650.621	V	-72.64	9.59	-63.05	-57	-6.05	PASS

Remark:

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

Band 8 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1307.180	V	-77.55	10.08	-67.47	-47	-20.47	PASS
2349.233	V	-75.08	15.18	-59.90	-47	-12.90	PASS
5800.290	V	-73.78	16.71	-57.07	-47	-10.07	PASS
7852.794	V	-74.45	11.02	-63.43	-47	-16.43	PASS
1556.264	H	-77.00	10.92	-66.08	-47	-19.08	PASS
4055.014	H	-80.02	17.03	-62.99	-47	-15.99	PASS
4558.210	H	-76.24	11.10	-65.14	-47	-18.14	PASS
8478.894	H	-81.55	10.85	-70.70	-47	-23.70	PASS

Remark:

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

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
38.392	H	-80.97	4.50	-76.47	-57	-19.47	PASS
69.134	H	-73.95	3.00	-70.95	-57	-13.95	PASS
197.031	H	-72.90	5.54	-67.36	-57	-10.36	PASS
558.893	H	-79.62	7.25	-72.37	-57	-15.37	PASS
45.774	V	-73.46	5.92	-67.54	-57	-10.54	PASS
83.490	V	-79.43	1.74	-77.69	-57	-20.69	PASS
305.942	V	-76.11	1.06	-75.05	-57	-18.05	PASS
672.837	V	-80.49	1.23	-79.26	-57	-22.26	PASS

Remark:

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

Band 20 CH L 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1397.756	V	-76.53	16.66	-59.87	-47	-12.87	PASS
2435.030	V	-80.10	13.14	-66.96	-47	-19.96	PASS
4683.680	V	-79.16	13.08	-66.08	-47	-19.08	PASS
7648.357	V	-79.84	14.14	-65.70	-47	-18.70	PASS
1292.670	H	-81.97	18.51	-63.46	-47	-16.46	PASS
4135.507	H	-75.79	17.99	-57.80	-47	-10.80	PASS
5567.668	H	-78.21	18.86	-59.35	-47	-12.35	PASS
9129.702	H	-81.05	17.68	-63.37	-47	-16.37	PASS

Remark:

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



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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
39.257	H	-79.37	3.85	-75.52	-57	-18.52	PASS
85.509	H	-73.51	8.20	-65.31	-57	-8.31	PASS
373.233	H	-73.32	8.43	-64.89	-57	-7.89	PASS
546.767	H	-73.26	6.15	-67.11	-57	-10.11	PASS
42.329	V	-76.53	7.33	-69.20	-57	-12.20	PASS
75.049	V	-75.47	3.69	-71.78	-57	-14.78	PASS
149.774	V	-80.64	4.87	-75.77	-57	-18.77	PASS
513.687	V	-74.85	5.16	-69.69	-57	-12.69	PASS

Remark:

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

Band 20 CH M 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1218.651	V	-72.55	12.36	-60.19	-47	-13.19	PASS
3451.123	V	-75.33	18.25	-57.08	-47	-10.08	PASS
5477.560	V	-77.47	10.90	-66.57	-47	-19.57	PASS
9009.931	V	-74.09	14.78	-59.31	-47	-12.31	PASS
1247.843	H	-73.05	18.04	-55.01	-47	-8.01	PASS
2362.587	H	-74.98	16.56	-58.42	-47	-11.42	PASS
4314.695	H	-79.28	13.32	-65.96	-47	-18.96	PASS
8300.666	H	-81.40	11.00	-70.40	-47	-23.40	PASS

Remark:

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

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

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
37.371	H	-76.70	2.74	-73.96	-57	-16.96	PASS
79.868	H	-78.73	7.46	-71.27	-57	-14.27	PASS
342.289	H	-74.72	1.53	-73.19	-57	-16.19	PASS
654.995	H	-75.78	6.40	-69.38	-57	-12.38	PASS
47.653	V	-78.31	6.71	-71.60	-57	-14.60	PASS
86.803	V	-81.14	9.60	-71.54	-57	-14.54	PASS
245.957	V	-74.66	3.48	-71.18	-57	-14.18	PASS
546.170	V	-81.44	1.67	-79.77	-57	-22.77	PASS

Remark:

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

Band 20 CH H 20M QPSK 1-12.75G

Frequency	Polarity	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(MHz)	H/V	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1103.670	V	-78.22	16.04	-62.18	-47	-15.18	PASS
3512.406	V	-80.96	15.51	-65.45	-47	-18.45	PASS
5124.955	V	-77.07	12.03	-65.04	-47	-18.04	PASS
8244.839	V	-77.60	18.02	-59.58	-47	-12.58	PASS
1543.757	H	-80.88	10.94	-69.94	-47	-22.94	PASS
3098.641	H	-77.79	14.97	-62.82	-47	-15.82	PASS
4199.524	H	-76.31	17.13	-59.18	-47	-12.18	PASS
8313.593	H	-78.29	12.19	-66.10	-47	-19.10	PASS

Remark:

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

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

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

**Definition & Limits**

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

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

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

**Limits:**

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

**Test method**

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

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

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

**Test Data**

Test Condition	Monitoring band	Max Measured Power(dBm)	Limit(dBm)	Result
Normal	The whole band range	-44.37	-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