



FCC Test Report

FCC ID: 2BCMG-SENSE

Applicant: Shenzhen Cnest Electronic Technology Co., Ltd.

Address: Room 701, Building 3, Shenzhen New Generation Industrial Park, No. 136, Zhongkang Road, Meidu Community, Meilin Street, Futian District, Shenzhen City, China.

Manufacturer: SY Electronic Technical Co., Ltd.

Address: 5th floor, 4th Bldg, Antongda Industrial Park, 1 Liuxian 3rd Rd, Baoan Dist., Shenzhen, China

EUT: RecoTac Sense Trail Camera

Trade Mark: RecoTac

Model Number: Sense Pro, Sense Lite, Sense Plus, Sense **, Sense Pro**, Sense Lite**, Sense Plus**
(Each character * in the model number may be letters A to Z, numbers 0 to 9, or blank)

Date of Receipt: Mar. 07, 2025

Test Date: Mar. 07, 2025 - Mar. 17, 2025

Date of Report: Mar. 17, 2025

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

Applicable Standards: FCC Part 2 Subpart J,
Part 22 Subpart H,
Part 24 Subpart E,
Part 27
FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
ANSI C63.26:2015, ANSI/TIA-603-E-2016

Test Result: Pass

Report Number: DLE-250307005R

Prepared (Test Engineer): Randy Xie

Reviewer (Supervisor): Jack Bu

Approved (Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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**1. TEST SUMMARY**

Test Items	FCC Test Requirement	IC Test Requirement	Result
Peak to Average Radio	§22.913 §24.232 §27.50	RSS-132 Issue 4 5.4 RSS-133 Issue 7 5.5 RSS-139 Issue 4 5.5	PASS ^{note}
Conducted Output Power	§2.1046	RSS-Gen Issue 5 6.12	PASS ^{note}
99% & -26 dB Occupied Bandwidth	§2.1049	RSS-Gen Issue 5 6.7	PASS ^{note}
Frequency Stability	§2.1055 §22.355 §24.235 §27.54	RSS-Gen Issue 5 6.11 RSS-132 Issue 4 5.3 RSS-133 Issue 7 5.4 RSS-139 Issue 4 5.4	PASS ^{note}
Conducted Out of Band Emissions	§22.917 §24.238 §27.53	RSS-132 Issue 4 5.5 RSS-133 Issue 7 5.6 RSS-139 Issue 4 5.6	PASS ^{note}
Band Edge	§22.917 §24.238 §27.53	RSS-132 Issue 4 5.5 RSS-133 Issue 7 5.6 RSS-139 Issue 4 5.6	PASS ^{note}
Transmitter Radiated Power (EIPR/ERP)	§2.1046 §22.913 §24.232 §27.50	RSS-132 Issue 4 5.4 RSS-133 Issue 7 5.5 RSS-139 Issue 4 5.5	PASS
Radiated Out of Band Emissions	§22.917 §24.238 §27.53	RSS-132 Issue 4 5.5 RSS-133 Issue 7 5.6 RSS-139 Issue 4 5.6	PASS

Note: The modules of the product have been certified, and this report is based on the module reports for testing.

Module ID: XMR2023EG915QNA(Report No.: DSS_SEWM2307000235RG01)



2. GENERAL PRODUCT INFORMATION

2.1. Description of Device (EUT)

Product Name:	RecoTac Sense Trail Camera
Trademark	RecoTac
Model No.:	Sense Sense Pro, Sense Lite, Sense Plus, Sense X1, Sense X2, Sense A1, Sense A2, Sense Lite S1, Sense Lite S2
Test Model:	Sense
S/N:	0001
Model Difference	All models are same as the samples except model name and appearance color, they have the same structure and circuit.
Operation Frequency:	LTE Band 2: Tx: 1850.00 - 1910.00MHz; Rx: 1930.00 - 1990.00MHz LTE Band 4: Tx: 1710.00 - 1755.00MHz; Rx: 2110.00 - 2155.00MHz LTE Band 5: Tx: 824.00 - 849.00MHz; Rx: 869.00 - 894.00MHz LTE Band 12: Tx: 699.00 - 716.00MHz; Rx: 728.00 - 746.00MHz LTE Band 13: Tx: 777.00 - 787.00MHz; Rx: 746.00 - 757.00MHz LTE Band 66: Tx: 1710.00 - 1780.00MHz; Rx: 2110.00 - 2180.00MHz
Modulation technology:	LTE Mode with QPSK, 16QAM
Antenna Type:	External Antenna
Antenna gain:	LTE Band 2: 1.47dBi, LTE Band 4: 2.63dBi, LTE Band 5: 3.82dBi, LTE Band 12: 0.71dBi, LTE Band 13: 3.19dBi, LTE Band 66: 2.51dBi
Power supply:	DC 12V from battery (1.5V AA battery*8) DC 12V from adapter DC 5V from USB
LTE Category	1
Hardware Version	HV01
Software Version	SV01

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. The EUT's all information provided by client.

2.2. Product Function

Refer to Technical Construction Form and User Manual.



2.3. Independent Operation Modes

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Test modes		
Band	Radiated	Conducted
LTE Band 2	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%
LTE Band 4	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%
LTE Band 5	Bandwidth:(MHz)1.4/3/5/10MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz)1.4/3/5/10MHz Modulation: QPSK/16QAM RB:1/100%
LTE Band 12	Bandwidth:(MHz)1.4/3/5/10MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz)1.4/3/5/10MHz Modulation: QPSK/16QAM RB:1/100%
LTE Band 13	Bandwidth:(MHz) 5/10MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz) 5/10MHz Modulation: QPSK/16QAM RB:1/100%
LTE Band66	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%	Bandwidth:(MHz)1.4/3/5/10/15/20MHz Modulation: QPSK/16QAM RB:1/100%



3. TEST SITES

3.1. Test Facilities

Site Description

Name of Firm : Shenzhen DL Testing Technology Co., Ltd.

101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong

Site Location : Industrial Zone, Baolong Street, Longgang District, Shenzhen,
Guangdong, China

FCC Test Firm Registration Number: 854456

Designation Number: CN1307

IC Registered No.: 27485

CAB ID.: CN0118

3.2. 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	$\pm 2\%$
8	Bandwidth	$\pm 0.2\text{MHz}$
9	Frequency Stability	$\pm 0.02\text{MHz}$



3.3. List of Test and Measurement Instruments

3.3.1. For conducted emission at the mains terminals test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
843 Shielded Room	YIHENG	843 Room	843	Nov. 05, 2023	Nov. 04, 2026
EMI Receiver	R&S	ESR	101421	Nov. 01, 2024	Oct. 31, 2025
LISN	R&S	ENV216	102417	Nov. 01, 2024	Oct. 31, 2025
843 Cable 1#	ChengYu	CE Cable	001	Nov. 01, 2024	Oct. 31, 2025
843 Cable 1#	FUJIKURA	843C1#	001	Nov. 01, 2024	Oct. 31, 2025

3.3.2. For radiated test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Nov. 01, 2024	Oct. 31, 2025
Test Receiver(9kHz-7GHz)	R&S	ESRP7	101393	Nov. 01, 2024	Oct. 31, 2025
Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00311	Nov. 01, 2024	Oct. 31, 2025
Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Nov. 01, 2024	Oct. 31, 2025
Horn Antenna(1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Nov. 01, 2024	Oct. 31, 2025
Horn Antenna(1GHz-18GHz)	Schwarzbeck	BBHA9120D	02133	Nov. 01, 2024	Oct. 31, 2025
Horn Antenna(18GHz-40GHz)	A.H. Systems	SAS-574	588	Nov. 01, 2024	Oct. 31, 2025
Horn Antenna(18GHz-40GHz)	A.H. Systems	SAS-574	585	Nov. 01, 2024	Oct. 31, 2025
Amplifier(9kHz-6GHz)	Schwarzbeck	BBV9743B	00153	Nov. 01, 2024	Oct. 31, 2025
Amplifier(1GHz-18GHz)	EMEC	EM01G8GA	00270	Nov. 01, 2024	Oct. 31, 2025
Amplifier(18GHz-40GHz)	Quanjuda	DLE-161	97	Nov. 01, 2024	Oct. 31, 2025
Loop Antenna(9kHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Nov. 01, 2024	Oct. 31, 2025
RF cables1(9kHz-1GHz)	ChengYu	966	004	Nov. 01, 2024	Oct. 31, 2025
RF cables2(1GHz-40GHz)	ChengYu	966	003	Nov. 01, 2024	Oct. 31, 2025
Antenna connector	Florida RF Labs	N/A	RF 01#	Nov. 01, 2024	Oct. 31, 2025
Power probe	KEYSIGHT	U2021XA	MY55210018	Nov. 01, 2024	Oct. 31, 2025
Signal Analyzer	Agilent	N9020A	MY55370280	Nov. 01, 2024	Oct. 31, 2025
Test Receiver	R&S	ESU 40	100376	Nov. 01, 2024	Oct. 31, 2025
D.C. Power Supply	LongWei	PS-305D	010964729	Nov. 01, 2024	Oct. 31, 2025
Signal Amplifier	DAZE	ZN3380B	11235	Nov. 01, 2024	Oct. 31, 2025
High Pass filter	KANGMAI	WHKX1.0/1.5G-10SS	40	Nov. 01, 2024	Oct. 31, 2025
Filter	COM-MW	ZBSF-C836.5-25-X	BCTC042	Nov. 01, 2024	Oct. 31, 2025
Filter	COM-MW	ZBSF-C1747.5-75-X2	BCTC045	Nov. 01, 2024	Oct. 31, 2025
Filter	COM-MW	ZBSF-C1880-60-X2	BCTC047	Nov. 01, 2024	Oct. 31, 2025
Splitter	Agilent	11435B	1125162	Nov. 01, 2024	Oct. 31, 2025
RF CONDUCTED TEST					
System Simulator	Agilent	E5515C	GB43130252	Nov. 01, 2024	Oct. 31, 2025
Spectrum Analyzer	Agilent	N9020A	MY45108040	Nov. 01, 2024	Oct. 31, 2025
DC Power Supply	LongWei	PS-305D	010965682	Nov. 01, 2024	Oct. 31, 2025
Constant temperature and humidity box	GF	GTH-800-40-2P	MAA9906-012	Nov. 01, 2024	Oct. 31, 2025
Universal radio communication tester	R&S	CMW500	115295	Nov. 01, 2024	Oct. 31, 2025



4. TEST SET-UP

4.1. Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

4.2. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators

EUT

4.3. Test Environment:

Ambient conditions in the test laboratory:

Items	Actual
Temperature (°C)	21~23
Humidity (%RH)	50~65



5. EMISSION TEST RESULTS

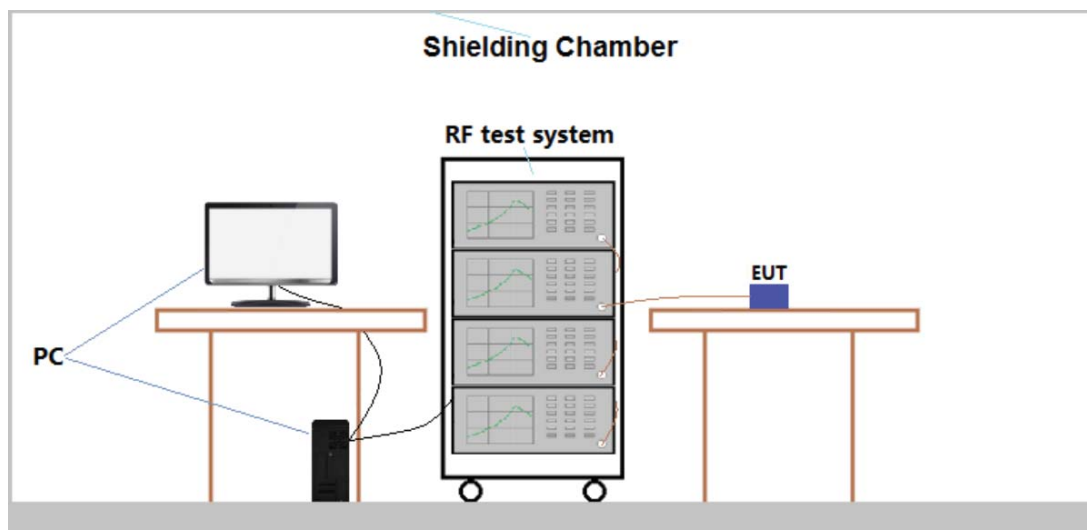
5.1. Conducted RF Output Power

5.1.1. Limit

CFR 47, Section FCC §2.1046 and IC RSS-Gen Issue 5 6.12.

5.1.2. Test Setup

The EUT, which is powered by the adapter, is coupled to the CMW500 and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power.



5.1.3. Test Result

Please refer to the module report for the results.



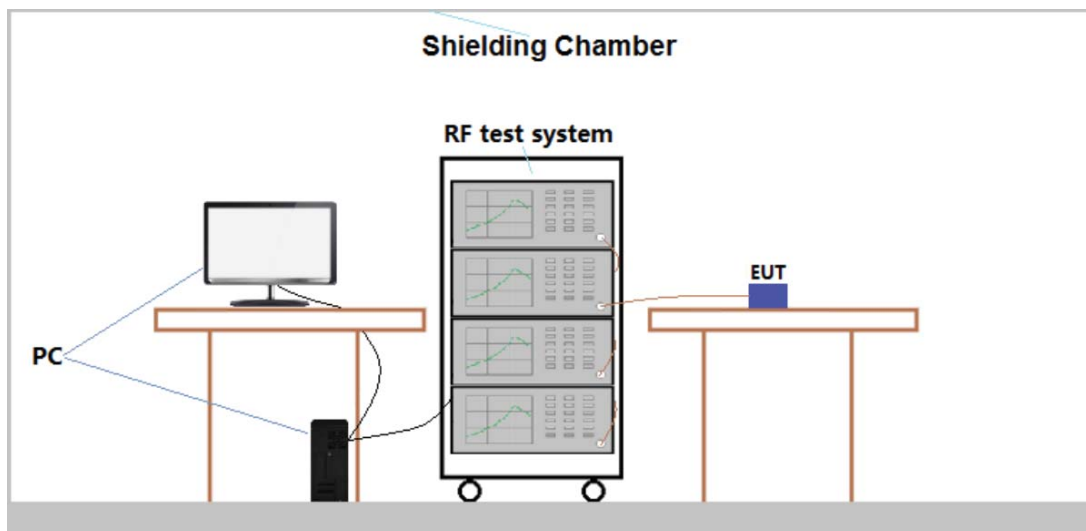
5.2. -26dB and 99% Occupied Bandwidth

5.2.1. Limit

CFR 47, Section FCC §2.1049 and IC RSS-Gen Issue 5 6.7.

5.2.2. Test Setup

The EUT, which is powered by the adapter, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power.



5.2.3. Test Result

Pass, Please refer to the module report for the results.



5.3. Peak to Average Ratio

5.3.1. Limit

FCC

-§22.913(d) Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

-§24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph

(e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

- §27.50(d)(5), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

IC

- RSS-130 Issue 2

4.6.1, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1 % of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

-RSS-132 Issue 4

5.4, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1 % of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

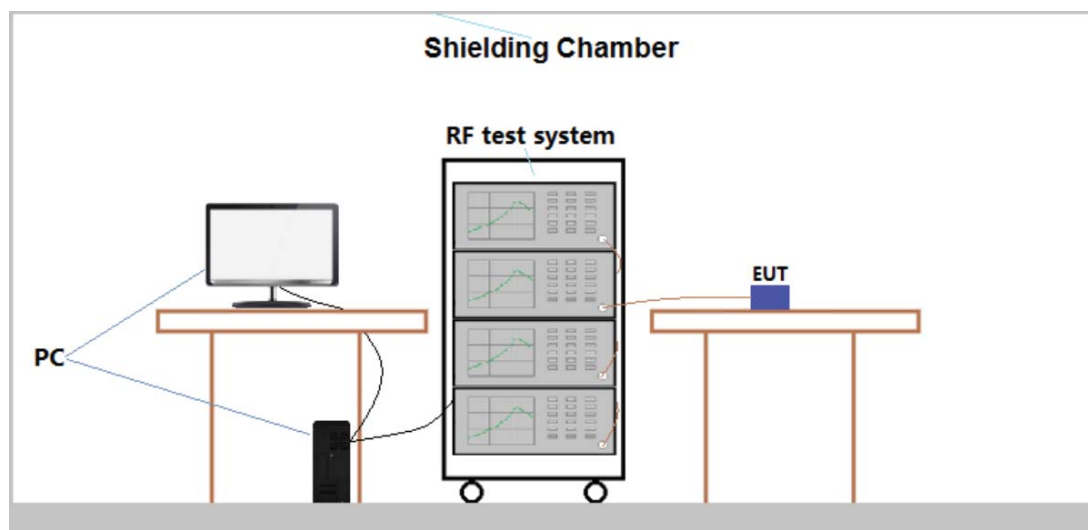
-RSS-133 Issue 7

6.4, the transmitter's peak-to-average power ratio (PAPR) shall not exceed 13 dB for more than 0.1 % of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

-RSS-139 Issue 4

5.5, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1 % of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

5.3.2. Test Setup





5.3.3. Test Procedure

The test follows section 5.2.3.4 of ANSI C63.26-2015.

See instrumentation-specific application literature for further guidance regarding use of the CCDF capability.

The following guidelines are offered for performing a CCDF measurement.

- a. Set resolution/measurement bandwidth $\geq$ OBW or specified reference bandwidth.
- b. Set the number of counts to a value that stabilizes the measured CCDF curve.
- c. Set the measurement interval as follows:
 - 1) For continuous transmissions, set to greater of $[10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ or 1 ms.
 - 2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
 - 3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.
- d. Record the maximum PAPR level associated with a probability of 0.1 %.
- e. The peak power level is calculated from the sum of the PAPR value from step d) to the measured average power.

5.3.4. Test Result

Pass, Please refer to the module report for the results.



5.4. Frequency Stability

5.4.1. Limit

FCC

-§ 2.1055 (a), § 2.1055 (d) & following:

-§22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table of this section.

For Mobile devices operating in the 824 to 849 MHz band at a power level less than or equal to 3 Watts, the limit specified in Table C-1 is +/- 2.5 ppm.

-§24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

-§27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

For Mobile devices operating in the 809 to 824 MHz band at a power level 2 Watts or less, the limit specified in Table is +/- 2.5 ppm.

IC

- RSS-Gen Issue 5

6.11, for licensed devices, the following measurement conditions apply:

a. at the temperatures of -30°C (-22°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage

- RSS-130 Issue 2

4.5, the transmitter frequency stability limit shall be determined as follows:

For equipment that is capable of transmitting numerous channels simultaneously for different applications (e.g. LTE and narrowband – internet of things (IoT)), the occupied bandwidth shall be the bandwidth representing the sum of the occupied bandwidths of these channels.

The frequency stability shall be sufficient to ensure that the occupied bandwidth remains within each frequency block range when tested at the temperature and supply voltage variations specified in RSS-Gen.

-RSS-132 Issue 4

5.3, the frequency stability shall be sufficient to ensure that the occupied bandwidth stays within each of the sub-bands when tested at the temperature and supply voltage variations specified in RSS-Gen.

-RSS-133 Issue 7

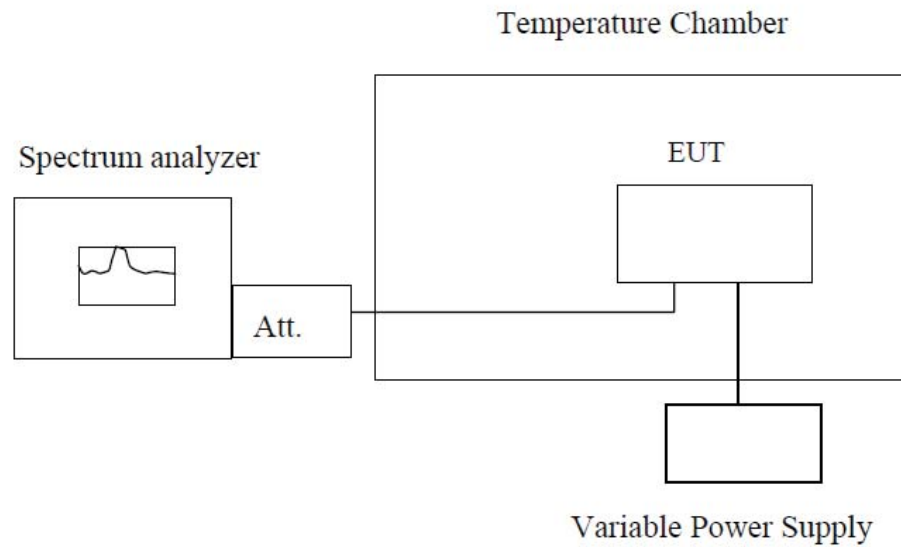
6.3, the carrier frequency shall not depart from the reference frequency, in excess of ± 2.5 ppm for mobile stations and ± 1.0 ppm for base stations.

-RSS-139 Issue 4

5.4, the frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.



5.4.2. Test Setup



Note : Measurement setup for testing on Antenna connector

The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber.

The EUT is commanded by the System Simulator (SS) to operate at the maximum output power

5.4.3. Test Result

Pass, Please refer to the module report for the results.



5.5. Conducted Spurious Emissions

5.5.1. Limit

FCC

- §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.
- §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.
- §27.53(c)(2), on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10\log(P)$ dB.
- §27.53(g), the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10\log(P)$ dB.
- §27.53(h)(1), for operations in the 1 695-1 710 MHz, 1 710-1 755 MHz, 1 755-1 780 MHz, 1 915-1 920 MHz, 1 995-2 000 MHz, 2 000-2 020 MHz, 2 110-2 155 MHz, 2 155-2 180 MHz, and 2 180-2 200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\log_{10}(P)$ dB.
- §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10\log_{10}(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10\log_{10}(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10\log_{10}(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10\log_{10}(P)$ dB on all frequencies between 2 490.5 MHz and 2 496 MHz and $55 + 10\log_{10}(P)$ dB at or below 2 490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2 495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

IC

- RSS-130 Issue 2

- 4.7.1, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dB W), by at least $43 + 10\log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.
- 4.7.2, In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:
 - a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dB W), by at least:
 - (i) $76 + 10\log_{10} p$ (watts), dB, for base and fixed equipment, and
 - (ii) $65 + 10\log_{10} p$ (watts), dB, for mobile and portable equipment.
 - b) The e.i.r.p. in the band 1 559-1 610 MHz shall not exceed -70 dB W/MHz for wideband signal and -80 dB W for discrete emission with bandwidth less than 700 Hz.

- RSS-132 Issue 4

5.5, Equipment shall meet the unwanted emission limits specified below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1 % of the occupied bandwidth shall be attenuated below the transmitter output power P (dB W) by at least $43 + 10\log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dB W) by at least $43 + 10\log(p)$ dB. If the measurement is performed using 1 % of the occupied bandwidth, power integration over 100 kHz is required.

- RSS-133 Issue 7

6.5, Equipment shall comply with the limits in (i) and (ii) below.

- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1 % of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10\log_{10} p$ (watts).
- (ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10\log_{10} p$ (watts). If the measurement is performed using 1 % of the emission bandwidth, power integration over 1.0 MHz is required.

- RSS-139 Issue 4



5.6, Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Table 6: Unwanted emission limits

Offset from the edge of the frequency block or frequency block group	Unwanted emission limit
≤ 1 MHz	-13 dB m/(1% of OB)*
> 1 MHz	-13 dB m

* OB is the occupied bandwidth

Table 4: Unwanted emission limits for fixed station, base station and fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dB m/(1% of OB*)
> 1	-13 dB m/MHz

* OB is the occupied bandwidth

Table 5: Unwanted emission limits for subscriber equipment other than fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limit
0-1	-10 dB m/(2% of OB*)
1-5	-10 dB m/MHz
5-X**	-13 dB m/MHz
$\geq X$	-25 dB m/MHz

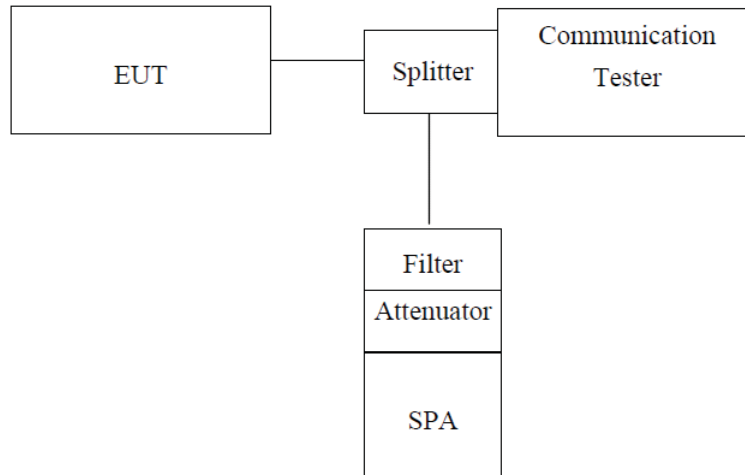
* OB is the occupied bandwidth

** X is 6 MHz or the equipment occupied bandwidth, whichever is greater

In addition to complying with the limits in table 5, subscriber equipment other than fixed subscriber equipment shall not exceed -13 dBm/MHz on all frequencies between 2 490.5 MHz and 2 496 MHz, and -25 dBm/MHz at or below 2 490.5 MHz.



5.5.2. Test Setup



Note: Measurement setup for testing on Antenna connector

5.5.3. Measurement Procedure

The test follows section 5.7 of ANSI C63.26-2015.

1. Start frequency was set to 9 kHz and stop frequency was set to at least 10* the fundamental frequency.
2. Detector = RMS.
3. Trace mode = Max hold.
4. Sweep time = Auto couple.
5. The trace was allowed to stabilize.
6. Please see notes below for RBW and VBW settings.
7. For plots showing conducted spurious emissions from 9 kHz to 26 GHz, all path loss of wide frequency range was investigated and compensated to spectrum analyzer as TDF function.

5.5.4. Test Result

Pass, Please refer to the module report for the results.



5.6. Conducted Out of Band Emissions

5.6.1. Limit

FCC

- §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.
- §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
- §27.53(c)(2), on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.
- §27.53(c)(4), on all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- §27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
- §27.53(g), the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.
- §27.53(h)(1), for operations in the 1 695-1 710 MHz, 1 710-1 755 MHz, 1 755-1 780 MHz, 1 915-1 920 MHz, 1 995-2 000 MHz, 2 000-2 020 MHz, 2 110-2 155 MHz, 2 155-2 180 MHz, and 2 180-2 200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.
- §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log_{10} (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log_{10} (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log_{10} (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log_{10} (P)$ dB on all frequencies between 2 490.5 MHz and 2 496 MHz and $55 + 10 \log_{10} (P)$ dB at or below 2 490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2 495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

IC

- RSS-130 Issue 2

4.7.1, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dB W), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2, In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dB W), by at least:

- (i) $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment, and
- (ii) $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment.

) The e.i.r.p. in the band 1 559-1 610 MHz shall not exceed -70 dB W/MHz for wideband signal and -80 dB W for discrete emission with bandwidth less than 700 Hz.

- RSS-132 Issue 4

5.5, Equipment shall meet the unwanted emission limits specified below.

(i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1 % of the occupied bandwidth shall be attenuated below the transmitter output power P (dB W) by at least $43 + 10 \log(p)$ dB.

(ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dB W) by at least

$43 + 10 \log(p)$ dB. If the measurement is performed using 1 % of the occupied bandwidth, power integration over 100 kHz is required.

- RSS-133 Issue 7

6.5, Equipment shall comply with the limits in (i) and (ii) below.



(i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1 % of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10 \log_{10} p(\text{watts})$.

(ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10 \log_{10} p(\text{watts})$. If the measurement is performed using 1 % of the emission bandwidth, power integration over 1.0 MHz is required.

- RSS-139 Issue 4

5.6, Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤ 1 MHz	-13 dBm/(1% of OB*)
> 1 MHz	-13 dBm/MHz

*OB is the occupied bandwidth.

Table 4: Unwanted emission limits for fixed station, base station and fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dB m/(1% of OB')
> 1	-13 dB m/MHz

* OB is the occupied bandwidth

Table 5: Unwanted emission limits for subscriber equipment other than fixed subscriber equipment

Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limit
0-1	-10 dB m/(2% of OB')
1-5	-10 dB m/MHz
5-X**	-13 dB m/MHz
$\geq X$	-25 dB m/MHz

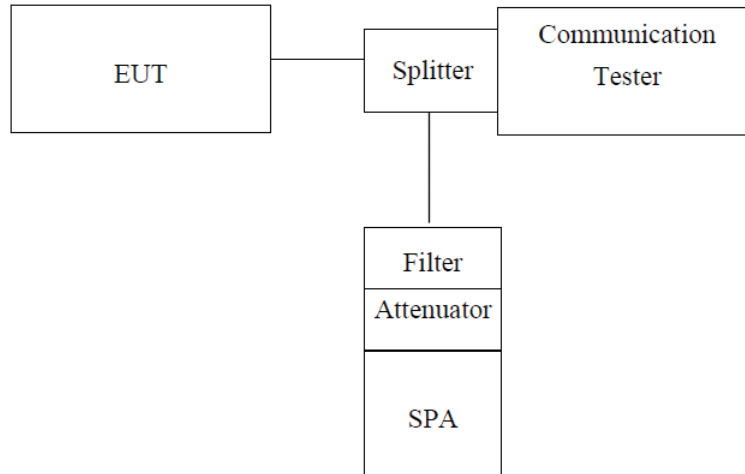
* OB is the occupied bandwidth

** X is 6 MHz or the equipment occupied bandwidth, whichever is greater

In addition to complying with the limits in table 5, subscriber equipment other than fixed subscriber equipment shall not exceed -13 dBm/MHz on all frequencies between 2 490.5 MHz and 2 496 MHz, and -25 dBm/MHz at or below 2 490.5 MHz.



5.6.2. Test Setup



Note: Measurement setup for testing on Antenna connector

5.6.3. Measurement Procedure

The test follows section 5.7 of ANSI C63.26-2015.

- Span was set large enough so as to capture all out of band emissions near the band edge.
- $RBW \geq 1\%$ of OBW
- $VBW \geq 3 \times RBW$.
- Detector = RMS.
- Trace mode = Average.
- Sweep time = Auto.
- The trace was allowed to stabilize.
- All path loss of frequency range was investigated and compensated to spectrum analyzer as TDF function.

5.6.4. Test Result

Pass, Please refer to the module report for the results.



5.7. Transmitter Power (EIRP/ERP)

5.7.1. Limit

FCC

-§22.913(a)(5), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

-§24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

-§27.50(b)(9), control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806 MHz bands are limited to 30 watts ERP.

-§27.50(c)(9), control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

-§27.50(c)(10), portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

-§27.50(d)(4), fixed, mobile, and portable (hand-held) stations operating in the 1 710-1 755 MHz band and mobile and portable stations operating in the 1 695-1 710 MHz and 1 755-1 780 MHz bands are limited to 1 watt EIRP.

-§27.50(h)(2), Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

IC

- RSS-130 Issue 2

4.6.3, the e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.

For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the e.i.r.p. limits.

-RSS-132 Issue 4

5.4, the transmitter output power shall be measured in terms of average power. The equivalent radiated power (e.r.p.) shall not exceed 7 watts for mobile equipment and 3 watts for portable equipment.

The effective isotropic radiated power (e.i.r.p.) shall not exceed the limits specified in SRSP-503 for base station equipment.

-RSS-133 Issue 7

6.4, the equivalent isotropically radiated power (e.i.r.p.) for transmitters shall not exceed the limits given in SRSP-510. Mobile stations and hand-held portables are limited to 2 watts maximum e.i.r.p. The equipment shall employ means to limit the power to the minimum necessary for successful communication.

-RSS-139 Issue 4

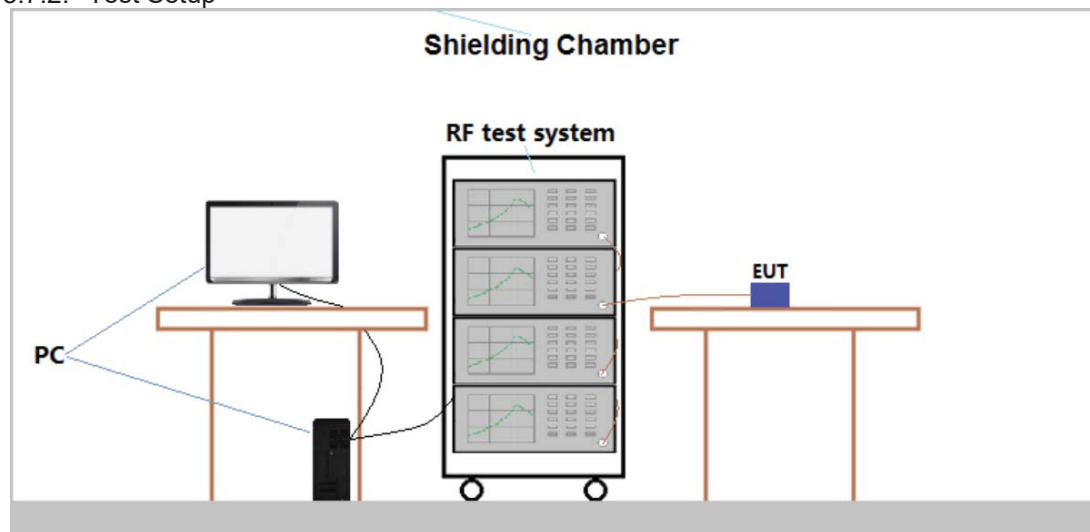
5.5, The maximum output power of the equipment shall comply with the limits specified below. In the tables, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average values.

Table 3: Maximum power of equipment in the band 1 710-1 780 MHz

Equipment type	Maximum power
Fixed station and base station	30 dBm e.i.r.p./ channel bandwidth
Subscriber equipment	30 dBm e.i.r.p./ channel bandwidth



5.7.2. Test Setup



5.7.3. Measurement Procedure

ERP in frequency below 1GHz, the ERP was calculated as follows:

$$\text{ERP} = \text{output power (dBm)} + \text{Antenna Gain (dBi)} - 2.15$$

EIRP in frequency above 1GHz the EIRP was calculated as follows:

$$\text{EIRP} = \text{output power (dBm)} + \text{Antenna Gain (dBi)}$$

5.7.4. Test Result

Pass,



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.78	24.25	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.85	24.32	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.91	24.38	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.08	23.55	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.02	24.49	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.11	24.58	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.07	24.54	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.27	23.74	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.87	24.34	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.81	24.28	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.61	24.08	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.88	23.35	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.31	23.78	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.21	23.68	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.33	23.80	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.17	22.64	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.38	23.85	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.51	23.98	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.39	23.86	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.32	22.79	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.28	23.75	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.17	23.64	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.95	23.42	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.03	22.50	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.68	24.15	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.91	24.38	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.87	24.34	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.92	23.39	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.02	24.49	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.17	24.64	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.02	24.49	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.11	23.58	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.91	24.38	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.87	24.34	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.41	23.88	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.91	23.38	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.27	23.74	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.09	23.56	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.11	23.58	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.17	22.64	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.32	23.79	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.68	24.15	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.27	23.74	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.35	22.82	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.26	23.73	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.18	23.65	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.72	23.19	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.01	22.48	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.02	24.49	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.17	24.64	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.11	24.58	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.29	23.76	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.32	24.79	33.00	PASS



Band2	5MHz	QPSK	18900	1RB#12	23.27	24.74	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.19	24.66	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.32	23.79	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.91	24.38	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.21	24.68	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.81	24.28	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.19	23.66	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.41	23.88	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.36	23.83	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.47	23.94	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.32	22.79	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.73	24.20	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.61	24.08	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.42	23.89	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.45	22.92	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.42	23.89	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.55	24.02	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.08	23.55	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.33	22.80	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.91	24.38	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.08	24.55	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.12	24.59	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.21	23.68	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.17	24.64	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.09	24.56	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.11	24.58	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.42	23.89	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.18	24.65	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.09	24.56	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.17	24.64	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.51	23.98	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.53	24.00	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.72	24.19	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.32	23.79	33.00	PASS
Band2	10MHz	16QAM	18650	27RB#0	21.67	23.14	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.8	24.27	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.59	24.06	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.61	24.08	33.00	PASS
Band2	10MHz	16QAM	18900	27RB#0	21.61	23.08	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.57	24.04	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.72	24.19	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.52	23.99	33.00	PASS
Band2	10MHz	16QAM	19150	27RB#0	21.77	23.24	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.97	24.44	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.08	24.55	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.11	24.58	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.28	23.75	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.33	24.80	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.17	24.64	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.09	24.56	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.51	23.98	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.28	24.75	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.32	24.79	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.31	24.78	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.57	24.04	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.31	23.78	33.00	PASS



Band2	15MHz	16QAM	18675	1RB#38	22.49	23.96	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.42	23.89	33.00	PASS
Band2	15MHz	16QAM	18675	27RB#0	21.38	22.85	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.41	23.88	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.49	23.96	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.42	23.89	33.00	PASS
Band2	15MHz	16QAM	18900	27RB#0	21.51	22.98	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.62	24.09	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.77	24.24	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.97	23.44	33.00	PASS
Band2	15MHz	16QAM	19125	27RB#0	21.53	23.00	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.09	24.56	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.33	24.80	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.41	24.88	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.32	23.79	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.29	24.76	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.14	24.61	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.18	24.65	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.42	23.89	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.32	24.79	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.42	24.89	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.18	24.65	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.67	24.14	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.42	23.89	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.71	24.18	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.87	24.34	33.00	PASS
Band2	20MHz	16QAM	18700	27RB#0	21.51	22.98	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.32	23.79	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.51	23.98	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.33	23.80	33.00	PASS
Band2	20MHz	16QAM	18900	27RB#0	21.52	22.99	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.67	24.14	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.61	24.08	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.54	24.01	33.00	PASS
Band2	20MHz	16QAM	19100	27RB#0	21.47	22.94	33.00	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.8	25.43	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.93	25.56	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.06	25.69	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.01	24.64	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.07	25.70	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.06	25.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23	25.63	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.97	24.60	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.85	25.48	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.96	25.59	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.92	25.55	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.09	24.72	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.24	24.87	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.23	24.86	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.33	24.96	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.19	23.82	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.25	24.88	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.36	24.99	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.32	24.95	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.21	23.84	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.36	24.99	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.32	24.95	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.35	24.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.21	23.84	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.74	25.37	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.02	25.65	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.76	25.39	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.06	24.69	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.91	25.54	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.16	25.79	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.94	25.57	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.03	24.66	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.86	25.49	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.97	25.60	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.81	25.44	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.06	24.69	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.09	24.72	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.33	24.96	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.18	24.81	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.98	23.61	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.31	24.94	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.45	25.08	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.22	24.85	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.18	23.81	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.31	24.94	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.46	25.09	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.16	24.79	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.1	23.73	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.18	25.81	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.13	25.76	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.13	25.76	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.25	24.88	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.17	25.80	30.00	PASS



Band4	5MHz	QPSK	20175	1RB#12	23.19	25.82	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.11	25.74	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.08	24.71	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.08	25.71	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.16	25.79	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.16	25.79	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.18	24.81	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.35	24.98	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.49	25.12	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.46	25.09	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.39	24.02	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.42	25.05	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.49	25.12	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.6	25.23	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.26	23.89	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.54	25.17	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.49	25.12	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.4	25.03	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.36	23.99	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.13	25.76	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.98	25.61	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.19	25.82	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.2	24.83	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.19	25.82	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.15	25.78	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.27	25.90	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.27	24.90	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.33	25.96	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.26	25.89	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.3	25.93	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.35	24.98	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.39	25.02	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.44	25.07	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.54	25.17	30.00	PASS
Band4	10MHz	16QAM	20000	27RB#0	21.34	23.97	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.38	25.01	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.54	25.17	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.56	25.19	30.00	PASS
Band4	10MHz	16QAM	20175	27RB#0	21.42	24.05	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.62	25.25	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.52	25.15	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.67	25.30	30.00	PASS
Band4	10MHz	16QAM	20350	27RB#0	21.4	24.03	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.14	25.77	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.26	25.89	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.37	26.00	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.28	24.91	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.22	25.85	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.17	25.80	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.31	25.94	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.22	24.85	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.56	26.19	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.4	26.03	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.37	26.00	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.31	24.94	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.3	24.93	30.00	PASS



Band4	15MHz	16QAM	20025	1RB#38	22.45	25.08	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.56	25.19	30.00	PASS
Band4	15MHz	16QAM	20025	27RB#0	21.42	24.05	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.35	24.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.33	24.96	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.38	25.01	30.00	PASS
Band4	15MHz	16QAM	20175	27RB#0	21.35	23.98	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	24.88	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.41	25.04	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.49	25.12	30.00	PASS
Band4	15MHz	16QAM	20325	27RB#0	21.33	23.96	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.06	25.69	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.25	25.88	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.47	26.10	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.3	24.93	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.41	26.04	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.2	25.83	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.37	26.00	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.23	24.86	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.44	26.07	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.21	25.84	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.4	26.03	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.15	24.78	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.28	24.91	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.58	25.21	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.66	25.29	30.00	PASS
Band4	20MHz	16QAM	20050	27RB#0	21.42	24.05	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.36	24.99	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.38	25.01	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.33	24.96	30.00	PASS
Band4	20MHz	16QAM	20175	27RB#0	21.38	24.01	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.19	24.82	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.41	25.04	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.55	25.18	30.00	PASS
Band4	20MHz	16QAM	20300	27RB#0	21.29	23.92	30.00	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.29	24.96	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.31	24.98	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.28	24.95	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.49	24.16	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.37	25.04	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.41	25.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.37	25.04	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.53	24.20	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.29	24.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.24	24.91	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.12	24.79	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.14	23.81	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.72	24.39	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.8	24.47	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.66	24.33	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.63	23.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.75	24.42	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.77	24.44	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.82	24.49	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.67	23.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.44	24.11	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.5	24.17	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.35	24.02	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.51	23.18	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.26	24.93	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.47	25.14	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.08	24.75	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.3	23.97	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.32	24.99	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.55	25.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.3	24.97	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.49	24.16	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.12	24.79	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	25.11	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.12	24.79	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.24	23.91	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.67	24.34	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.62	24.29	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.51	24.18	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.47	23.14	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.78	24.45	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.91	24.58	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.57	24.24	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.68	23.35	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.44	24.11	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.69	24.36	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.36	24.03	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.5	23.17	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.55	25.22	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.32	24.99	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.39	25.06	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.49	24.16	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.59	25.26	38.45	PASS



Band5	5MHz	QPSK	20525	1RB#12	23.57	25.24	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.48	25.15	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.67	24.34	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.24	24.91	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.29	24.96	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.18	24.85	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.32	23.99	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.78	24.45	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.63	24.30	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.84	24.51	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.67	23.34	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.03	24.70	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.02	24.69	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.95	24.62	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.74	23.41	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.69	24.36	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.73	24.40	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.59	24.26	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.45	23.12	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.57	25.24	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.47	25.14	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.42	25.09	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.6	24.27	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.49	25.16	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.48	25.15	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.33	25.00	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.65	24.32	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.53	25.20	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.26	24.93	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.41	25.08	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.39	24.06	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.83	24.50	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.78	24.45	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.83	24.50	38.45	PASS
Band5	10MHz	16QAM	20450	27RB#0	21.68	23.35	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.9	24.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.02	24.69	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.72	24.39	38.45	PASS
Band5	10MHz	16QAM	20525	27RB#0	21.74	23.41	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.77	24.44	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.68	24.35	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.74	24.41	38.45	PASS
Band5	10MHz	16QAM	20600	27RB#0	21.58	23.25	38.45	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23	21.56	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.95	21.51	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.05	21.61	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.12	20.68	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.77	21.33	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.88	21.44	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.82	21.38	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.84	20.40	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.01	21.57	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.02	21.58	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.84	21.40	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.99	20.55	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.23	20.79	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.43	20.99	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.41	20.97	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.3	19.86	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.04	20.60	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.21	20.77	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.11	20.67	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.01	19.57	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.34	20.90	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.41	20.97	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.15	20.71	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.14	19.70	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.92	21.48	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.17	21.73	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.08	21.64	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.29	20.85	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.79	21.35	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.95	21.51	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.67	21.23	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.84	20.40	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.19	21.75	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.17	21.73	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.78	21.34	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.15	20.71	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.3	20.86	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.52	21.08	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.42	20.98	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.35	19.91	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.1	20.66	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.21	20.77	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.02	20.58	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21	19.56	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.51	21.07	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.52	21.08	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.02	20.58	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.25	19.81	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.37	21.93	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.4	21.96	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.27	21.83	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.47	21.03	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.92	21.48	34.77	PASS



Band12	5MHz	QPSK	23095	1RB#12	22.97	21.53	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.11	21.67	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.92	20.48	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.45	22.01	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.58	22.14	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.1	21.66	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.44	21.00	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.84	21.40	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.84	21.40	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.59	21.15	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.53	20.09	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.25	20.81	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.23	20.79	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.46	21.02	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.05	19.61	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.87	21.43	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.78	21.34	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.34	20.90	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.65	20.21	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.27	21.83	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.97	21.53	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.94	21.50	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.39	20.95	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.2	21.76	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.03	21.59	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.42	21.98	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.11	20.67	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.19	21.75	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.4	21.96	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.2	21.76	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.29	20.85	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.8	21.36	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.56	21.12	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.32	20.88	34.77	PASS
Band12	10MHz	16QAM	23060	27RB#0	21.38	19.94	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.54	21.10	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.26	20.82	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.66	21.22	34.77	PASS
Band12	10MHz	16QAM	23095	27RB#0	21.25	19.81	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.48	21.04	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.76	21.32	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.48	21.04	34.77	PASS
Band12	10MHz	16QAM	23130	27RB#0	21.49	20.05	34.77	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.91	23.95	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.77	23.81	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.9	23.94	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.27	23.31	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.18	24.22	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.96	24.00	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.21	24.25	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.29	23.33	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.21	24.25	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.46	24.50	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.49	24.53	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.54	23.58	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.71	22.75	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.19	23.23	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.34	23.38	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.39	22.43	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.68	23.72	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.49	23.53	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.73	23.77	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.45	22.49	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.82	23.86	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.45	23.49	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.38	23.42	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.32	22.36	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.22	24.26	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.87	23.91	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.19	24.23	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.26	23.30	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.57	23.61	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.55	23.59	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.32	23.36	34.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.93	22.97	34.77	PASS



Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	22.73	25.24	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.05	25.56	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.1	25.61	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.14	24.65	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.81	25.32	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.91	25.42	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.85	25.36	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.95	24.46	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.78	25.29	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.74	25.25	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.67	25.18	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.85	24.36	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.25	24.76	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.39	24.90	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.45	24.96	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.44	23.95	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.27	24.78	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.29	24.80	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.28	24.79	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.03	23.54	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.06	24.57	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.2	24.71	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.04	24.55	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21	23.51	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.9	25.41	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.07	25.58	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.02	25.53	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.07	24.58	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.66	25.17	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.77	25.28	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.7	25.21	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.86	24.37	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.58	25.09	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.84	25.35	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.62	25.13	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.85	24.36	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.31	24.82	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.52	25.03	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.15	24.66	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.21	23.72	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.06	24.57	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.1	24.61	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.99	24.50	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.03	23.54	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.06	24.57	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.15	24.66	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.88	24.39	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.95	23.46	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.11	25.62	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.31	25.82	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.22	25.73	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.19	24.70	30.00	PASS



Band66	5MHz	QPSK	132322	1RB#0	22.81	25.32	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.96	25.47	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.91	25.42	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.98	24.49	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.99	25.50	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23	25.51	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.85	25.36	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22	24.51	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.62	25.13	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.52	25.03	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.54	25.05	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.47	23.98	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.3	24.81	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.29	24.80	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.34	24.85	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.13	23.64	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.37	24.88	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.35	24.86	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.25	24.76	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.12	23.63	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.05	25.56	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.13	25.64	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.15	25.66	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.26	24.77	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.75	25.26	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.92	25.43	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.98	25.49	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.98	24.49	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.03	25.54	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.04	25.55	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23	25.51	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.24	24.75	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.41	24.92	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.36	24.87	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.58	25.09	30.00	PASS
Band66	10MHz	16QAM	132022	27RB#0	21.35	23.86	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.12	24.63	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.34	24.85	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.42	24.93	30.00	PASS
Band66	10MHz	16QAM	132322	27RB#0	21.13	23.64	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.33	24.84	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.32	24.83	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.48	24.99	30.00	PASS
Band66	10MHz	16QAM	132622	27RB#0	21.18	23.69	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23	25.51	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.09	25.60	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.13	25.64	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.18	24.69	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.26	25.77	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.05	25.56	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23	25.51	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.88	24.39	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.33	25.84	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.13	25.64	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.1	25.61	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.06	24.57	30.00	PASS



Band66	15MHz	16QAM	132047	1RB#0	22.13	24.64	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.22	24.73	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.42	24.93	30.00	PASS
Band66	15MHz	16QAM	132047	27RB#0	21.29	23.80	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.06	24.57	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.24	24.75	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.18	24.69	30.00	PASS
Band66	15MHz	16QAM	132322	27RB#0	21.13	23.64	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.07	24.58	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.36	24.87	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.19	24.70	30.00	PASS
Band66	15MHz	16QAM	132597	27RB#0	21.08	23.59	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.03	25.54	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.11	25.62	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.26	25.77	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.1	24.61	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.25	25.76	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.1	25.61	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.12	25.63	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.91	24.42	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.41	25.92	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.07	25.58	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.12	25.63	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.03	24.54	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.31	24.82	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.35	24.86	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.39	24.90	30.00	PASS
Band66	20MHz	16QAM	132072	27RB#0	21.19	23.70	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.01	24.52	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.22	24.73	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.32	24.83	30.00	PASS
Band66	20MHz	16QAM	132322	27RB#0	21.03	23.54	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.99	24.50	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.18	24.69	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.29	24.80	30.00	PASS
Band66	20MHz	16QAM	132572	27RB#0	21.15	23.66	30.00	PASS



5.8. Radiated Out of Band Emissions

5.8.1. Limit

FCC

- §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.
- §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.
- §27.53(c)(2), on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10\log(P)$ dB.
- §27.53(f), For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70dB W/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80dB W EIRP for discrete emissions of less than 700Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.
- §27.53(g), the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10\log(P)$ dB.
- §27.53(h)(1), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\log_{10}(P)$ dB.
- §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10\log_{10}(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10\log_{10}(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10\log_{10}(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10\log_{10}(P)$ dB on all frequencies between 2 490.5 MHz and 2 496 MHz and $55 + 10\log_{10}(P)$ dB at or below 2 490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2 495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

IC

- RSS-130 Issue 2

- 4.7.1, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dB W), by at least $43 + 10\log_{10}(P)$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.
- 4.7.2, In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:
 - a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dB W), by at least:
 - (i) $76 + 10\log_{10}(P)$ (watts), dB, for base and fixed equipment, and
 - (ii) $65 + 10\log_{10}(P)$ (watts), dB, for mobile and portable equipment.

- b) The e.i.r.p. in the band 1 559-1 610 MHz shall not exceed -70 dB W/MHz for wideband signal and -80 dB W for discrete emission with bandwidth less than 700Hz.

- RSS-132 Issue 4

5.5, Equipment shall meet the unwanted emission limits specified below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1 % of the occupied bandwidth shall be attenuated below the transmitter output power P (dB W) by at least $43 + 10\log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dB W) by at least $43 + 10\log(p)$ dB. If the measurement is performed using 1 % of the occupied bandwidth, power integration over 100 kHz is required.

- RSS-133 Issue 7

6.5, Equipment shall comply with the limits in (i) and (ii) below.

- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the



emission power per any 1 % of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10 \log_{10} p(\text{watts})$.

(ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dB W) by at least $43 + 10 \log_{10} p(\text{watts})$. If the measurement is performed using 1 % of the emission bandwidth, power integration over 1.0 MHz is required.

- RSS-139 Issue 4

5.6, Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

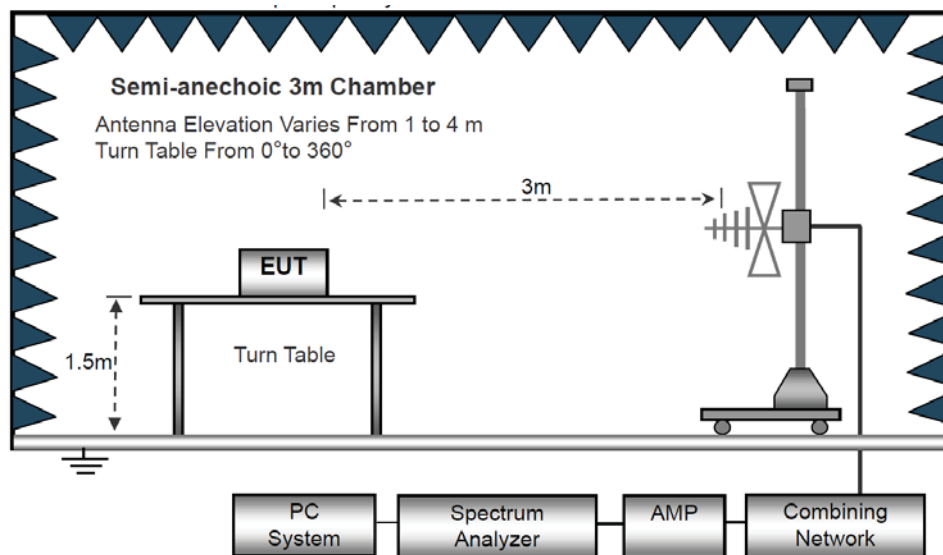
Table 6: Unwanted emission limits

Offset from the edge of the frequency block or frequency block group	Unwanted emission limit
$\leq 1 \text{ MHz}$	-13 dB m/(1% of OB)*
$> 1 \text{ MHz}$	-13 dB m

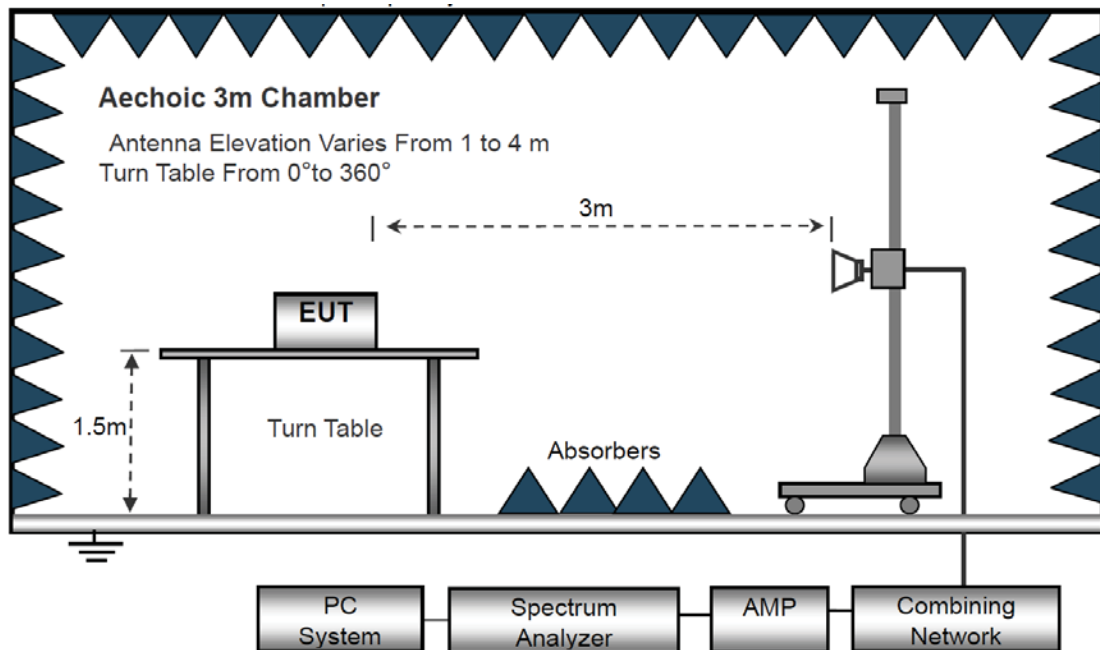
* OB is the occupied bandwidth

5.8.2. Test Setup

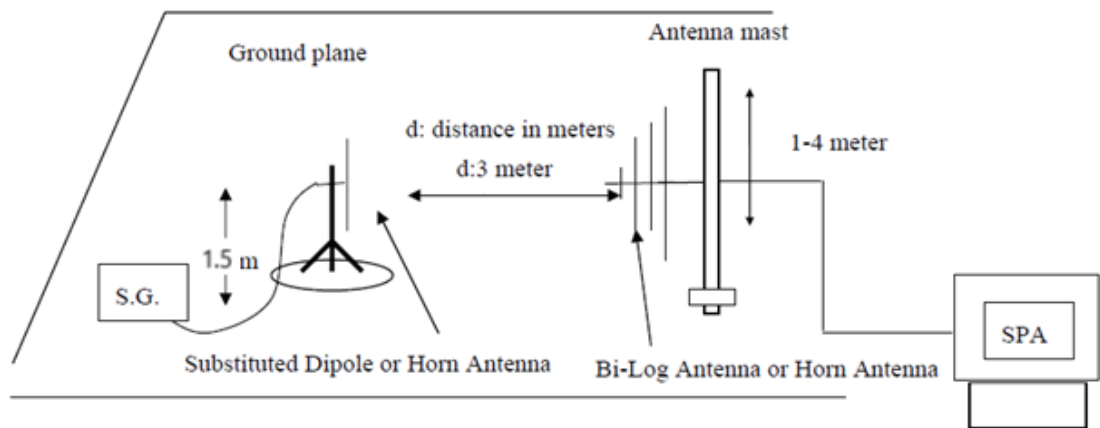
Below 1GHz



Above 1GHz



Substituted method:



5.8.3. Measurement Procedure

The EUT was placed on a non-conductive, The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. all test in Full-Anechoic Chamber.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.



The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$EIRP \text{ (Level)} = S.G. \text{ output (dBm)} + \text{Antenna Gain(dBi)} - \text{Cable Loss (dB)}$

Note: Measurement Uncertainty: $\pm 3.6 \text{ dB}$.

The data show only the worst results, and the other results are very low and not shown in the report.

5.8.4. Test Result



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 1.4MHz Lowest	87.23	Vertical	-75.98	3.35	0.38	-73.01	-13	PASS
	3701.40	Vertical	-46.49	7.76	3.75	-42.48		
	5552.10	Vertical	-47.64	9.84	4.94	-42.74		
	7402.80	Vertical	-40.01	10.21	5.32	-35.12		
	9253.50	Vertical	-43.42	11.36	6.02	-38.08		
	11104.20	Vertical	-44.97	14.52	6.68	-37.13		
LTE BAND 2 1.4MHz Middle	88.13	Vertical	-75.98	3.35	0.38	-73.01	-13	PASS
	3760.00	Vertical	-47.85	7.76	3.75	-43.84		
	5640.00	Vertical	-47.43	9.84	4.94	-42.53		
	7520.00	Vertical	-43.02	10.21	5.32	-38.13		
	9400.00	Vertical	-42.43	11.36	6.02	-37.09		
	11280.00	Vertical	-46.39	14.52	6.68	-38.55		
LTE BAND 2 1.4MHz Highest	87.45	Vertical	-75.94	3.35	0.38	-72.97	-13	PASS
	3819.60	Vertical	-47.43	7.79	3.53	-43.17		
	5729.40	Vertical	-41.86	9.88	5.02	-37.00		
	7639.20	Vertical	-38.02	10.25	5.54	-33.31		
	9549.00	Vertical	-44.94	11.38	6.16	-39.72		
	11458.80	Vertical	-47.37	14.56	6.72	-39.53		
LTE BAND 2 3MHz Lowest	89.31	Vertical	-76.01	3.35	0.38	-73.04	-13	PASS
	3700.40	Vertical	-46.50	7.76	3.75	-42.49		
	5550.60	Vertical	-47.32	9.84	4.94	-42.42		
	7400.80	Vertical	-39.75	10.21	5.32	-34.86		
	9251.00	Vertical	-43.13	11.36	6.02	-37.79		
	11101.20	Vertical	-44.68	14.52	6.68	-36.84		
LTE BAND 2 3MHz Middle	87.12	Vertical	-75.58	3.35	0.38	-72.61	-13	PASS
	3760.00	Vertical	-47.60	7.76	3.75	-43.59		
	5640.00	Vertical	-47.18	9.84	4.94	-42.28		
	7520.00	Vertical	-42.79	10.21	5.32	-37.90		
	9400.00	Vertical	-42.21	11.36	6.02	-36.87		
	11280.00	Vertical	-46.15	14.52	6.68	-38.31		
LTE BAND 2 3MHz Highest	86.89	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3819.60	Vertical	-47.18	7.79	3.53	-42.92		
	5729.40	Vertical	-41.63	9.88	5.02	-36.77		
	7639.20	Vertical	-37.82	10.25	5.54	-33.11		
	9549.00	Vertical	-44.70	11.38	6.16	-39.48		
	11458.80	Vertical	-47.13	14.56	6.72	-39.29		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 5MHz Lowest	88.55	Vertical	-75.62	3.35	0.38	-72.65	-13	PASS
	3700.40	Vertical	-46.28	7.76	3.75	-42.27		
	5550.60	Vertical	-47.40	9.84	4.94	-42.50		
	7400.80	Vertical	-39.83	10.21	5.32	-34.94		
	9251.00	Vertical	-43.20	11.36	6.02	-37.86		
	11101.20	Vertical	-44.75	14.52	6.68	-36.91		
LTE BAND 2 5MHz Middle	87.67	Vertical	-75.62	3.35	0.38	-72.65	-13	PASS
	3760.00	Vertical	-47.62	7.76	3.75	-43.61		
	5640.00	Vertical	-47.21	9.84	4.94	-42.31		
	7520.00	Vertical	-42.81	10.21	5.32	-37.92		
	9400.00	Vertical	-42.23	11.36	6.02	-36.89		
	11280.00	Vertical	-46.18	14.52	6.68	-38.34		
LTE BAND 2 5MHz Highest	87.88	Vertical	-75.58	3.35	0.38	-72.61	-13	PASS
	3819.60	Vertical	-47.21	7.79	3.53	-42.95		
	5729.40	Vertical	-41.65	9.88	5.02	-36.79		
	7639.20	Vertical	-37.84	10.25	5.54	-33.13		
	9549.00	Vertical	-44.72	11.38	6.16	-39.50		
	11458.80	Vertical	-47.16	14.56	6.72	-39.32		
LTE BAND 2 10MHz Lowest	86.98	Vertical	-75.57	3.35	0.38	-72.60	-13	PASS
	3700.40	Vertical	-46.50	7.76	3.75	-42.49		
	5550.60	Vertical	-47.32	9.84	4.94	-42.42		
	7400.80	Vertical	-39.74	10.21	5.32	-34.85		
	9251.00	Vertical	-43.12	11.36	6.02	-37.78		
	11101.20	Vertical	-44.67	14.52	6.68	-36.83		
LTE BAND 2 10MHz Middle	89.76	Vertical	-75.62	3.35	0.38	-72.65	-13	PASS
	3760.00	Vertical	-47.62	7.76	3.75	-43.61		
	5640.00	Vertical	-47.20	9.84	4.94	-42.30		
	7520.00	Vertical	-42.81	10.21	5.32	-37.92		
	9400.00	Vertical	-42.22	11.36	6.02	-36.88		
	11280.00	Vertical	-46.18	14.52	6.68	-38.34		
LTE BAND 2 10MHz Highest	86.98	Vertical	-75.58	3.35	0.38	-72.61	-13	PASS
	3819.60	Vertical	-47.20	7.79	3.53	-42.94		
	5729.40	Vertical	-41.65	9.88	5.02	-36.79		
	7639.20	Vertical	-37.84	10.25	5.54	-33.13		
	9549.00	Vertical	-44.72	11.38	6.16	-39.50		
	11458.80	Vertical	-47.15	14.56	6.72	-39.31		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 15MHz Lowest	88.78	Vertical	-75.39	3.35	0.38	-72.42	-13	PASS
	3700.40	Vertical	-46.18	7.76	3.75	-42.17		
	5550.60	Vertical	-47.30	9.84	4.94	-42.40		
	7400.80	Vertical	-39.73	10.21	5.32	-34.84		
	9251.00	Vertical	-43.11	11.36	6.02	-37.77		
	11101.20	Vertical	-44.65	14.52	6.68	-36.81		
LTE BAND 2 15MHz Middle	87.89	Vertical	-75.46	3.35	0.38	-72.49	-13	PASS
	3760.00	Vertical	-47.52	7.76	3.75	-43.51		
	5640.00	Vertical	-47.10	9.84	4.94	-42.20		
	7520.00	Vertical	-42.72	10.21	5.32	-37.83		
	9400.00	Vertical	-42.14	11.36	6.02	-36.80		
	11280.00	Vertical	-46.08	14.52	6.68	-38.24		
LTE BAND 2 15MHz Highest	87.78	Vertical	-75.42	3.35	0.38	-72.45	-13	PASS
	3819.60	Vertical	-47.10	7.79	3.53	-42.84		
	5729.40	Vertical	-41.56	9.88	5.02	-36.70		
	7639.20	Vertical	-37.76	10.25	5.54	-33.05		
	9549.00	Vertical	-44.62	11.38	6.16	-39.40		
	11458.80	Vertical	-47.05	14.56	6.72	-39.21		
LTE BAND 2 20MHz Lowest	88.89	Vertical	-75.43	3.35	0.38	-72.46	-13	PASS
	3700.40	Vertical	-46.16	7.76	3.75	-42.15		
	5550.60	Vertical	-47.28	9.84	4.94	-42.38		
	7400.80	Vertical	-39.72	10.21	5.32	-34.83		
	9251.00	Vertical	-43.09	11.36	6.02	-37.75		
	11101.20	Vertical	-44.64	14.52	6.68	-36.80		
LTE BAND 2 20MHz Middle	87.94	Vertical	-75.43	3.35	0.38	-72.46	-13	PASS
	3760.00	Vertical	-47.50	7.76	3.75	-43.49		
	5640.00	Vertical	-47.08	9.84	4.94	-42.18		
	7520.00	Vertical	-42.70	10.21	5.32	-37.81		
	9400.00	Vertical	-42.12	11.36	6.02	-36.78		
	11280.00	Vertical	-46.06	14.52	6.68	-38.22		
LTE BAND 2 20MHz Highest	87.89	Vertical	-75.39	3.35	0.38	-72.42	-13	PASS
	3819.60	Vertical	-47.08	7.79	3.53	-42.82		
	5729.40	Vertical	-41.54	9.88	5.02	-36.68		
	7639.20	Vertical	-37.74	10.25	5.54	-33.03		
	9549.00	Vertical	-44.60	11.38	6.16	-39.38		
	11458.80	Vertical	-47.03	14.56	6.72	-39.19		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 1.4MHz Lowest	88.79	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3421.40	Vertical	-46.22	7.76	3.75	-42.21		
	5132.10	Vertical	-47.35	9.84	4.94	-42.45		
	6842.80	Vertical	-39.78	10.21	5.32	-34.89		
	8553.50	Vertical	-43.15	11.36	6.02	-37.81		
	10264.20	Vertical	-44.71	14.52	6.68	-36.87		
LTE BAND 4 1.4MHz Middle	87.68	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3465.00	Vertical	-47.56	7.76	3.75	-43.55		
	5197.50	Vertical	-47.15	9.84	4.94	-42.25		
	6930.00	Vertical	-42.76	10.21	5.32	-37.87		
	8662.50	Vertical	-42.17	11.36	6.02	-36.83		
	10395.00	Vertical	-46.13	14.52	6.68	-38.29		
LTE BAND 4 1.4MHz Highest	88.78	Vertical	-75.50	3.35	0.38	-72.53	-13	PASS
	3508.60	Vertical	-47.15	7.79	3.53	-42.89		
	5262.90	Vertical	-41.60	9.88	5.02	-36.74		
	7017.20	Vertical	-37.80	10.25	5.54	-33.09		
	8771.50	Vertical	-44.68	11.38	6.16	-39.46		
	10525.80	Vertical	-47.10	14.56	6.72	-39.26		
LTE BAND 4 3MHz Lowest	88.79	Vertical	-75.57	3.35	0.38	-72.60	-13	PASS
	3423.00	Vertical	-46.24	7.76	3.75	-42.23		
	5134.50	Vertical	-47.37	9.84	4.94	-42.47		
	6846.00	Vertical	-39.79	10.21	5.32	-34.90		
	8557.50	Vertical	-43.17	11.36	6.02	-37.83		
	10269.00	Vertical	-44.72	14.52	6.68	-36.88		
LTE BAND 4 3MHz Middle	87.68	Vertical	-75.59	3.35	0.38	-72.62	-13	PASS
	3508.60	Vertical	-47.58	7.76	3.75	-43.57		
	5262.90	Vertical	-47.17	9.84	4.94	-42.27		
	7017.20	Vertical	-42.78	10.21	5.32	-37.89		
	8771.50	Vertical	-42.19	11.36	6.02	-36.85		
	10525.80	Vertical	-46.15	14.52	6.68	-38.31		
LTE BAND 4 3MHz Highest	87.89	Vertical	-75.53	3.35	0.38	-72.56	-13	PASS
	3507.00	Vertical	-47.17	7.79	3.53	-42.91		
	5260.50	Vertical	-41.62	9.88	5.02	-36.76		
	7014.00	Vertical	-37.82	10.25	5.54	-33.11		
	8767.50	Vertical	-44.69	11.38	6.16	-39.47		
	10521.00	Vertical	-47.12	14.56	6.72	-39.28		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 5MHz Lowest	87.65	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3425.00	Vertical	-46.23	7.76	3.75	-42.22		
	5137.50	Vertical	-47.35	9.84	4.94	-42.45		
	6850.00	Vertical	-39.78	10.21	5.32	-34.89		
	8562.50	Vertical	-43.15	11.36	6.02	-37.81		
	10275.00	Vertical	-44.70	14.52	6.68	-36.86		
LTE BAND 4 5MHz Middle	88.12	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3423.00	Vertical	-47.57	7.76	3.75	-43.56		
	5134.50	Vertical	-47.15	9.84	4.94	-42.25		
	6846.00	Vertical	-42.77	10.21	5.32	-37.88		
	8557.50	Vertical	-42.18	11.36	6.02	-36.84		
	10269.00	Vertical	-46.13	14.52	6.68	-38.29		
LTE BAND 4 5MHz Highest	88.98	Vertical	-75.50	3.35	0.38	-72.53	-13	PASS
	3505.00	Vertical	-47.15	7.79	3.53	-42.89		
	5257.50	Vertical	-41.61	9.88	5.02	-36.75		
	7010.00	Vertical	-37.81	10.25	5.54	-33.10		
	8762.50	Vertical	-44.67	11.38	6.16	-39.45		
	10515.00	Vertical	-47.10	14.56	6.72	-39.26		
LTE BAND 4 10MHz Lowest	87.52	Vertical	-75.48	3.35	0.38	-72.51	-13	PASS
	3430.00	Vertical	-45.98	7.76	3.75	-41.97		
	5145.00	Vertical	-47.11	9.84	4.94	-42.21		
	6860.00	Vertical	-39.57	10.21	5.32	-34.68		
	8575.00	Vertical	-42.92	11.36	6.02	-37.58		
	10290.00	Vertical	-44.46	14.52	6.68	-36.62		
LTE BAND 4 10MHz Middle	87.64	Vertical	-75.43	3.35	0.38	-72.46	-13	PASS
	3505.00	Vertical	-47.54	7.76	3.75	-43.53		
	5257.50	Vertical	-47.12	9.84	4.94	-42.22		
	7010.00	Vertical	-42.74	10.21	5.32	-37.85		
	8762.50	Vertical	-42.15	11.36	6.02	-36.81		
	10515.00	Vertical	-46.09	14.52	6.68	-38.25		
LTE BAND 4 10MHz Highest	89.52	Vertical	-75.44	3.35	0.38	-72.47	-13	PASS
	3500.00	Vertical	-47.12	7.79	3.53	-42.86		
	5250.00	Vertical	-41.58	9.88	5.02	-36.72		
	7000.00	Vertical	-37.78	10.25	5.54	-33.07		
	8750.00	Vertical	-44.64	11.38	6.16	-39.42		
	10500.00	Vertical	-47.07	14.56	6.72	-39.23		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 15MHz Lowest	88.27	Vertical	-75.44	3.35	0.38	-72.47	-13	PASS
	3435.00	Vertical	-46.16	7.76	3.75	-42.15		
	5152.50	Vertical	-47.29	9.84	4.94	-42.39		
	6870.00	Vertical	-39.73	10.21	5.32	-34.84		
	8587.50	Vertical	-43.10	11.36	6.02	-37.76		
	10305.00	Vertical	-44.65	14.52	6.68	-36.81		
LTE BAND 4 15MHz Middle	87.43	Vertical	-75.44	3.35	0.38	-72.47	-13	PASS
	3505.00	Vertical	-47.51	7.76	3.75	-43.50		
	5257.50	Vertical	-47.10	9.84	4.94	-42.20		
	7010.00	Vertical	-42.71	10.21	5.32	-37.82		
	8762.50	Vertical	-42.13	11.36	6.02	-36.79		
	10515.00	Vertical	-46.06	14.52	6.68	-38.22		
LTE BAND 4 15MHz Highest	88.12	Vertical	-75.40	3.35	0.38	-72.43	-13	PASS
	3495.00	Vertical	-47.10	7.79	3.53	-42.84		
	5242.50	Vertical	-41.55	9.88	5.02	-36.69		
	6990.00	Vertical	-37.75	10.25	5.54	-33.04		
	8737.50	Vertical	-44.62	11.38	6.16	-39.40		
	10485.00	Vertical	-47.05	14.56	6.72	-39.21		
LTE BAND 4 20MHz Lowest	87.76	Vertical	-75.48	3.35	0.38	-72.51	-13	PASS
	3440.00	Vertical	-46.19	7.76	3.75	-42.18		
	5160.00	Vertical	-47.31	9.84	4.94	-42.41		
	6880.00	Vertical	-39.74	10.21	5.32	-34.85		
	8600.00	Vertical	-43.12	11.36	6.02	-37.78		
	10320.00	Vertical	-44.67	14.52	6.68	-36.83		
LTE BAND 4 20MHz Middle	88.78	Vertical	-75.53	3.35	0.38	-72.56	-13	PASS
	3505.00	Vertical	-47.53	7.76	3.75	-43.52		
	5257.50	Vertical	-47.12	9.84	4.94	-42.22		
	7010.00	Vertical	-42.73	10.21	5.32	-37.84		
	8762.50	Vertical	-42.15	11.36	6.02	-36.81		
	10515.00	Vertical	-46.09	14.52	6.68	-38.25		
LTE BAND 4 20MHz Highest	88.11	Vertical	-75.44	3.35	0.38	-72.47	-13	PASS
	3490.00	Vertical	-47.12	7.79	3.53	-42.86		
	5235.00	Vertical	-41.38	9.88	5.02	-36.52		
	6980.00	Vertical	-37.60	10.25	5.54	-32.89		
	8725.00	Vertical	-44.43	11.38	6.16	-39.21		
	10470.00	Vertical	-46.86	14.56	6.72	-39.02		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 5 1.4MHz Lowest	87.76	Vertical	-75.50	3.35	0.38	-72.53	-13	PASS
	3700.40	Vertical	-46.21	7.76	3.75	-42.20		
	5550.60	Vertical	-47.33	9.84	4.94	-42.43		
	7400.80	Vertical	-39.75	10.21	5.32	-34.86		
	9251.00	Vertical	-43.13	11.36	6.02	-37.79		
	11101.20	Vertical	-44.68	14.52	6.68	-36.84		
LTE BAND 5 1.4MHz Middle	88.45	Vertical	-75.50	3.35	0.38	-72.53	-13	PASS
	3760.00	Vertical	-47.55	7.76	3.75	-43.54		
	5640.00	Vertical	-47.13	9.84	4.94	-42.23		
	7520.00	Vertical	-42.74	10.21	5.32	-37.85		
	9400.00	Vertical	-42.16	11.36	6.02	-36.82		
	11280.00	Vertical	-46.11	14.52	6.68	-38.27		
LTE BAND 5 1.4MHz Highest	88.87	Vertical	-75.46	3.35	0.38	-72.49	-13	PASS
	3819.60	Vertical	-47.13	7.79	3.53	-42.87		
	5729.40	Vertical	-41.58	9.88	5.02	-36.72		
	7639.20	Vertical	-37.78	10.25	5.54	-33.07		
	9549.00	Vertical	-44.65	11.38	6.16	-39.43		
	11458.80	Vertical	-47.08	14.56	6.72	-39.24		
LTE BAND 5 3MHz Lowest	87.97	Vertical	-75.45	3.35	0.38	-72.48	-13	PASS
	3700.40	Vertical	-46.17	7.76	3.75	-42.16		
	5550.60	Vertical	-47.30	9.84	4.94	-42.40		
	7400.80	Vertical	-39.73	10.21	5.32	-34.84		
	9251.00	Vertical	-43.10	11.36	6.02	-37.76		
	11101.20	Vertical	-44.65	14.52	6.68	-36.81		
LTE BAND 5 3MHz Middle	88.32	Vertical	-75.58	3.35	0.38	-72.61	-13	PASS
	3760.00	Vertical	-47.60	7.76	3.75	-43.59		
	5640.00	Vertical	-47.18	9.84	4.94	-42.28		
	7520.00	Vertical	-42.79	10.21	5.32	-37.90		
	9400.00	Vertical	-42.20	11.36	6.02	-36.86		
	11280.00	Vertical	-46.15	14.52	6.68	-38.31		
LTE BAND 5 3MHz Highest	88.98	Vertical	-75.54	3.35	0.38	-72.57	-13	PASS
	3819.60	Vertical	-47.18	7.79	3.53	-42.92		
	5729.40	Vertical	-41.43	9.88	5.02	-36.57		
	7639.20	Vertical	-37.65	10.25	5.54	-32.94		
	9549.00	Vertical	-44.49	11.38	6.16	-39.27		
	11458.80	Vertical	-46.92	14.56	6.72	-39.08		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 5 5MHz Lowest	87.56	Vertical	-75.06	3.35	0.38	-72.09	-13	PASS
	3700.40	Vertical	-45.93	7.76	3.75	-41.92		
	5550.60	Vertical	-47.04	9.84	4.94	-42.14		
	7400.80	Vertical	-39.52	10.21	5.32	-34.63		
	9251.00	Vertical	-42.88	11.36	6.02	-37.54		
	11101.20	Vertical	-44.41	14.52	6.68	-36.57		
LTE BAND 5 5MHz Middle	88.79	Vertical	-75.06	3.35	0.38	-72.09	-13	PASS
	3760.00	Vertical	-47.26	7.76	3.75	-43.25		
	5640.00	Vertical	-46.86	9.84	4.94	-41.96		
	7520.00	Vertical	-42.49	10.21	5.32	-37.60		
	9400.00	Vertical	-41.91	11.36	6.02	-36.57		
	11280.00	Vertical	-45.83	14.52	6.68	-37.99		
LTE BAND 5 5MHz Highest	88.65	Vertical	-75.02	3.35	0.38	-72.05	-13	PASS
	3819.60	Vertical	-46.86	7.79	3.53	-42.60		
	5729.40	Vertical	-41.34	9.88	5.02	-36.48		
	7639.20	Vertical	-37.56	10.25	5.54	-32.85		
	9549.00	Vertical	-44.38	11.38	6.16	-39.16		
	11458.80	Vertical	-46.81	14.56	6.72	-38.97		
LTE BAND 5 10MHz Lowest	87.98	Vertical	-75.09	3.35	0.38	-72.12	-13	PASS
	3700.40	Vertical	-45.95	7.76	3.75	-41.94		
	5550.60	Vertical	-47.05	9.84	4.94	-42.15		
	7400.80	Vertical	-39.53	10.21	5.32	-34.64		
	9251.00	Vertical	-42.90	11.36	6.02	-37.56		
	11101.20	Vertical	-44.43	14.52	6.68	-36.59		
LTE BAND 5 10MHz Middle	88.53	Vertical	-75.16	3.35	0.38	-72.19	-13	PASS
	3760.00	Vertical	-47.32	7.76	3.75	-43.31		
	5640.00	Vertical	-46.91	9.84	4.94	-42.01		
	7520.00	Vertical	-42.56	10.21	5.32	-37.67		
	9400.00	Vertical	-41.97	11.36	6.02	-36.63		
	11280.00	Vertical	-45.89	14.52	6.68	-38.05		
LTE BAND 5 10MHz Highest	88.87	Vertical	-75.12	3.35	0.38	-72.15	-13	PASS
	3819.60	Vertical	-46.91	7.79	3.53	-42.65		
	5729.40	Vertical	-41.21	9.88	5.02	-36.35		
	7639.20	Vertical	-37.45	10.25	5.54	-32.74		
	9549.00	Vertical	-44.24	11.38	6.16	-39.02		
	11458.80	Vertical	-46.64	14.56	6.72	-38.80		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 12 1.4MHz Lowest	88.34	Vertical	-76.15	3.35	0.38	-73.18	-13	PASS
	1399.40	Vertical	-46.59	7.76	3.75	-42.58		
	2099.10	Vertical	-47.74	9.84	4.94	-42.84		
	2798.80	Vertical	-40.09	10.21	5.32	-35.20		
	3498.50	Vertical	-43.51	11.36	6.02	-38.17		
	4198.20	Vertical	-45.07	14.52	6.68	-37.23		
LTE BAND 12 1.4MHz Middle	89.67	Vertical	-76.15	3.35	0.38	-73.18	-13	PASS
	1415.00	Vertical	-47.95	7.76	3.75	-43.94		
	2122.50	Vertical	-47.55	9.84	4.94	-42.65		
	2830.00	Vertical	-43.11	10.21	5.32	-38.22		
	3537.50	Vertical	-42.52	11.36	6.02	-37.18		
	4245.00	Vertical	-46.49	14.52	6.68	-38.65		
LTE BAND 12 1.4MHz Highest	88.87	Vertical	-76.11	3.35	0.38	-73.14	-13	PASS
	1430.60	Vertical	-47.55	7.79	3.53	-43.29		
	2145.90	Vertical	-41.95	9.88	5.02	-37.09		
	2861.20	Vertical	-38.11	10.25	5.54	-33.40		
	3576.50	Vertical	-45.04	11.38	6.16	-39.82		
	4291.80	Vertical	-47.49	14.56	6.72	-39.65		
LTE BAND 12 3MHz Lowest	87.12	Vertical	-76.15	3.35	0.38	-73.18	-13	PASS
	1401.00	Vertical	-46.59	7.76	3.75	-42.58		
	2101.50	Vertical	-47.41	9.84	4.94	-42.51		
	2802.00	Vertical	-39.83	10.21	5.32	-34.94		
	3502.50	Vertical	-43.21	11.36	6.02	-37.87		
	4203.00	Vertical	-44.76	14.52	6.68	-36.92		
LTE BAND12 3MHz Middle	88.55	Vertical	-75.72	3.35	0.38	-72.75	-13	PASS
	1415.00	Vertical	-47.69	7.76	3.75	-43.68		
	2122.50	Vertical	-47.27	9.84	4.94	-42.37		
	2830.00	Vertical	-42.87	10.21	5.32	-37.98		
	3537.50	Vertical	-42.29	11.36	6.02	-36.95		
	4245.00	Vertical	-46.24	14.52	6.68	-38.40		
LTE BAND 12 3MHz Highest	88.25	Vertical	-75.68	3.35	0.38	-72.71	-13	PASS
	1429.00	Vertical	-47.27	7.79	3.53	-43.01		
	2143.50	Vertical	-41.52	9.88	5.02	-36.66		
	2858.00	Vertical	-37.73	10.25	5.54	-33.02		
	3572.50	Vertical	-44.58	11.38	6.16	-39.36		
	4287.00	Vertical	-47.00	14.56	6.72	-39.16		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 12 5MHz Lowest	87.12	Vertical	-75.76	3.35	0.38	-72.79	-13	PASS
	1403.00	Vertical	-46.37	7.76	3.75	-42.36		
	2104.50	Vertical	-47.50	9.84	4.94	-42.60		
	2806.00	Vertical	-39.90	10.21	5.32	-35.01		
	3507.50	Vertical	-43.29	11.36	6.02	-37.95		
	4209.00	Vertical	-44.84	14.52	6.68	-37.00		
LTE BAND 12 5MHz Middle	88.43	Vertical	-75.76	3.35	0.38	-72.79	-13	PASS
	1415.00	Vertical	-47.71	7.76	3.75	-43.70		
	2122.50	Vertical	-47.30	9.84	4.94	-42.40		
	2830.00	Vertical	-42.89	10.21	5.32	-38.00		
	3537.50	Vertical	-42.31	11.36	6.02	-36.97		
	4245.00	Vertical	-46.27	14.52	6.68	-38.43		
LTE BAND 12 5MHz Highest	88.67	Vertical	-75.72	3.35	0.38	-72.75	-13	PASS
	1427.00	Vertical	-47.30	7.79	3.53	-43.04		
	2140.50	Vertical	-41.74	9.88	5.02	-36.88		
	2854.00	Vertical	-37.92	10.25	5.54	-33.21		
	3567.50	Vertical	-44.81	11.38	6.16	-39.59		
	4281.00	Vertical	-47.25	14.56	6.72	-39.41		
LTE BAND 12 10MHz Lowest	87.34	Vertical	-75.76	3.35	0.38	-72.79	-13	PASS
	1428.00	Vertical	-46.62	7.76	3.75	-42.61		
	2142.00	Vertical	-47.44	9.84	4.94	-42.54		
	2856.00	Vertical	-39.85	10.21	5.32	-34.96		
	3570.00	Vertical	-43.24	11.36	6.02	-37.90		
	4284.00	Vertical	-44.79	14.52	6.68	-36.95		
LTE BAND 12 10MHz Middle	88.26	Vertical	-75.81	3.35	0.38	-72.84	-13	PASS
	1415.00	Vertical	-47.74	7.76	3.75	-43.73		
	2122.50	Vertical	-47.33	9.84	4.94	-42.43		
	2830.00	Vertical	-42.92	10.21	5.32	-38.03		
	3537.50	Vertical	-42.33	11.36	6.02	-36.99		
	4245.00	Vertical	-46.30	14.52	6.68	-38.46		
LTE BAND 12 10MHz Highest	88.32	Vertical	-75.77	3.35	0.38	-72.80	-13	PASS
	1422.00	Vertical	-47.33	7.79	3.53	-43.07		
	2133.00	Vertical	-41.57	9.88	5.02	-36.71		
	2844.00	Vertical	-37.77	10.25	5.54	-33.06		
	3555.00	Vertical	-44.63	11.38	6.16	-39.41		
	4266.00	Vertical	-47.07	14.56	6.72	-39.23		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 13 5MHz Lowest	87.34	Vertical	-75.58	3.35	0.38	-72.61	-13	PASS
	1600.32	Vertical	-46.30	7.76	3.75	-42.29	-40	
	2119.50	Vertical	-47.42	9.84	4.94	-42.52	-13	
	2826.00	Vertical	-39.84	10.21	5.32	-34.95		
	3532.50	Vertical	-43.22	11.36	6.02	-37.88		
	4239.00	Vertical	-44.76	14.52	6.68	-36.92		
LTE BAND 13 5MHz Middle	88.45	Vertical	-75.65	3.35	0.38	-72.68	-13	PASS
	1600.65	Vertical	-47.64	7.76	3.75	-43.63	-40	
	2130.00	Vertical	-47.23	9.84	4.94	-42.33	-13	
	2840.00	Vertical	-42.83	10.21	5.32	-37.94		
	3550.00	Vertical	-42.25	11.36	6.02	-36.91		
	4260.00	Vertical	-46.20	14.52	6.68	-38.36		
LTE BAND 13 5MHz Highest	88.56	Vertical	-75.61	3.35	0.38	-72.64	-13	PASS
	1601.63	Vertical	-47.23	7.79	3.53	-42.97	-40	
	2140.50	Vertical	-41.67	9.88	5.02	-36.81	-13	
	2854.00	Vertical	-37.86	10.25	5.54	-33.15		
	3567.50	Vertical	-44.73	11.38	6.16	-39.51		
	4281.00	Vertical	-47.17	14.56	6.72	-39.33		
LTE BAND 13 10MHz Middle	88.32	Vertical	-75.62	3.35	0.38	-72.65	-13	PASS
	1602.65	Vertical	-47.62	7.76	3.75	-43.61	-40	
	2130.00	Vertical	-47.20	9.84	4.94	-42.30	-13	
	2840.00	Vertical	-42.81	10.21	5.32	-37.92		
	3550.00	Vertical	-42.23	11.36	6.02	-36.89		
	4260.00	Vertical	-46.18	14.52	6.68	-38.34		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 66 1.4MHz Lowest	87.54	Vertical	-75.29	3.35	0.38	-72.32	-13	PASS
	3421.40	Vertical	-46.07	7.76	3.75	-42.06		
	5132.10	Vertical	-47.18	9.84	4.94	-42.28		
	6842.80	Vertical	-39.64	10.21	5.32	-34.75		
	8553.50	Vertical	-43.01	11.36	6.02	-37.67		
	10264.20	Vertical	-44.55	14.52	6.68	-36.71		
LTE BAND 66 1.4MHz Middle	88.57	Vertical	-75.29	3.35	0.38	-72.32	-13	PASS
	3490.00	Vertical	-47.41	7.76	3.75	-43.40		
	5235.00	Vertical	-46.99	9.84	4.94	-42.09		
	6980.00	Vertical	-42.63	10.21	5.32	-37.74		
	8725.00	Vertical	-42.04	11.36	6.02	-36.70		
	10470.00	Vertical	-45.97	14.52	6.68	-38.13		
LTE BAND 66 1.4MHz Highest	88.67	Vertical	-75.25	3.35	0.38	-72.28	-13	PASS
	3558.60	Vertical	-46.99	7.79	3.53	-42.73		
	5337.90	Vertical	-41.47	9.88	5.02	-36.61		
	7117.20	Vertical	-37.68	10.25	5.54	-32.97		
	8896.50	Vertical	-44.52	11.38	6.16	-39.30		
	10675.80	Vertical	-46.94	14.56	6.72	-39.10		
LTE BAND 66 3MHz Lowest	87.54	Vertical	-75.31	3.35	0.38	-72.34	-13	PASS
	3423.00	Vertical	-46.09	7.76	3.75	-42.08		
	5134.50	Vertical	-47.20	9.84	4.94	-42.30		
	6846.00	Vertical	-39.65	10.21	5.32	-34.76		
	8557.50	Vertical	-43.02	11.36	6.02	-37.68		
	10269.00	Vertical	-44.56	14.52	6.68	-36.72		
LTE BAND 66 3MHz Middle	88.56	Vertical	-75.33	3.35	0.38	-72.36	-13	PASS
	3490.00	Vertical	-47.43	7.76	3.75	-43.42		
	5235.00	Vertical	-47.03	9.84	4.94	-42.13		
	6980.00	Vertical	-42.65	10.21	5.32	-37.76		
	8725.00	Vertical	-42.07	11.36	6.02	-36.73		
	10470.00	Vertical	-46.01	14.52	6.68	-38.17		
LTE BAND 66 3MHz Highest	88.67	Vertical	-75.30	3.35	0.38	-72.33	-13	PASS
	3557.00	Vertical	-47.03	7.79	3.53	-42.77		
	5335.50	Vertical	-41.30	9.88	5.02	-36.44		
	7114.00	Vertical	-37.53	10.25	5.54	-32.82		
	8892.50	Vertical	-44.34	11.38	6.16	-39.12		
	10671.00	Vertical	-46.77	14.56	6.72	-38.93		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 66 5MHz Lowest	87.12	Vertical	-75.18	3.35	0.38	-72.21	-13	PASS
	3425.00	Vertical	-46.01	7.76	3.75	-42.00		
	5137.50	Vertical	-47.12	9.84	4.94	-42.22		
	6850.00	Vertical	-39.58	10.21	5.32	-34.69		
	8562.50	Vertical	-42.95	11.36	6.02	-37.61		
	10275.00	Vertical	-44.48	14.52	6.68	-36.64		
LTE BAND 66 5MHz Middle	88.32	Vertical	-75.18	3.35	0.38	-72.21	-13	PASS
	3490.00	Vertical	-47.33	7.76	3.75	-43.32		
	5235.00	Vertical	-46.93	9.84	4.94	-42.03		
	6980.00	Vertical	-42.56	10.21	5.32	-37.67		
	8725.00	Vertical	-41.98	11.36	6.02	-36.64		
	10470.00	Vertical	-45.91	14.52	6.68	-38.07		
LTE BAND 66 5MHz Highest	88.68	Vertical	-75.14	3.35	0.38	-72.17	-13	PASS
	3555.00	Vertical	-46.93	7.79	3.53	-42.67		
	5332.50	Vertical	-41.41	9.88	5.02	-36.55		
	7110.00	Vertical	-37.62	10.25	5.54	-32.91		
	8887.50	Vertical	-44.45	11.38	6.16	-39.23		
	10665.00	Vertical	-46.88	14.56	6.72	-39.04		
LTE BAND 66 10MHz Lowest	87.33	Vertical	-75.20	3.35	0.38	-72.23	-13	PASS
	3430.00	Vertical	-46.02	7.76	3.75	-42.01		
	5145.00	Vertical	-47.13	9.84	4.94	-42.23		
	6860.00	Vertical	-39.59	10.21	5.32	-34.70		
	8575.00	Vertical	-43.03	11.36	6.02	-37.69		
	10290.00	Vertical	-44.58	14.52	6.68	-36.74		
LTE BAND 66 10MHz Middle	88.79	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3490.00	Vertical	-47.36	7.76	3.75	-43.35		
	5235.00	Vertical	-46.95	9.84	4.94	-42.05		
	6980.00	Vertical	-42.58	10.21	5.32	-37.69		
	8725.00	Vertical	-42.00	11.36	6.02	-36.66		
	10470.00	Vertical	-45.93	14.52	6.68	-38.09		
LTE BAND 66 10MHz Highest	88.24	Vertical	-75.18	3.35	0.38	-72.21	-13	PASS
	3550.00	Vertical	-46.95	7.79	3.53	-42.69		
	5325.00	Vertical	-41.24	9.88	5.02	-36.38		
	7100.00	Vertical	-37.47	10.25	5.54	-32.76		
	8875.00	Vertical	-44.27	11.38	6.16	-39.05		
	10650.00	Vertical	-46.68	14.56	6.72	-38.84		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 66 20MHz Lowest	87.12	Vertical	-74.25	3.35	0.38	-71.28	-13	PASS
	3440.00	Vertical	-45.44	7.76	3.75	-41.43		
	5160.00	Vertical	-46.54	9.84	4.94	-41.64		
	6880.00	Vertical	-39.10	10.21	5.32	-34.21		
	8600.00	Vertical	-42.43	11.36	6.02	-37.09		
	10320.00	Vertical	-43.93	14.52	6.68	-36.09		
LTE BAND 66 20MHz Middle	88.21	Vertical	-74.25	3.35	0.38	-71.28	-13	PASS
	3490.00	Vertical	-46.75	7.76	3.75	-42.74		
	5235.00	Vertical	-46.35	9.84	4.94	-41.45		
	6980.00	Vertical	-42.04	10.21	5.32	-37.15		
	8725.00	Vertical	-41.46	11.36	6.02	-36.12		
	10470.00	Vertical	-45.34	14.52	6.68	-37.50		
LTE BAND 66 20MHz Highest	87.33	Vertical	-74.21	3.35	0.38	-71.24	-13	PASS
	3540.00	Vertical	-46.35	7.79	3.53	-42.09		
	5310.00	Vertical	-40.90	9.88	5.02	-36.04		
	7080.00	Vertical	-37.16	10.25	5.54	-32.45		
	8850.00	Vertical	-43.90	11.38	6.16	-38.68		
	10620.00	Vertical	-46.30	14.56	6.72	-38.46		



6. PHOTOGRAPHS OF TEST SET-UP

Please see setup photo.

7. PHOTOGRAPHS OF THE EUT

Please see external photo and internal photo.

***** END OF REPORT *****