



RF TEST REPORT

Product Name: Smartphone

Model Name: ENV NOTE 20

FCC ID: 2BO97ENVNOTE20

Issued For : NOVISOLUTIONS CIA LTDA

Ponceano N73 y Mariano Paredes ,QUITO, ECUADOR

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT25G036RF07

Sample Received Date: Jul. 04, 2025

Date of Test: Jul. 04, 2025 ~ Aug. 07, 2025

Date of Issue: Aug. 07, 2025

The test report is effective only with both signature and specialized stamp. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report only apply to the tested sample.

TEST REPORT CERTIFICATION

Applicant: NOVISOLUTIONS CIA LTDA

Address: Ponceano N73 y Mariano Paredes ,QUITO, ECUADOR

Manufacturer: Shenzhen Ebot digital electronics co. LTD

Address: 701, Building A, Huizhi R&D Center, Longteng Community, Xixiang Street,
Bao'an District, Shenzhen

Product Name: Smartphone

Trademark: ENV

Model Name: ENV NOTE 20

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 24E and 27 KDB 971168 D01 v03r01, ANSI C63.26(2015)	PASS

Prepared by:

Zane Shan

Zane Shan
Engineer

Approved by:

Vita Li

Vita Li
Technical Director



Table of Contents	Page
1. TEST FACTORY & MEASUREMENT UNCERTAINTY	4
2. GENERAL INFORMATION	5
3. CONDUCTED OUTPUT POWER	10
4. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER	11
5. RADIATED SPURIOUS EMISSION	13
6. FREQUENCY STABILITY	15
APPENDIX I-PHOTOS OF TEST SETUP	16
APPENDIX II-TEST DATA	16
CONDUCTED OUTPUT POWER	16
FREQUENCY STABILITY	24
PEAK-TO-AVERAGE RATIO	26
OCCUPIED BANDWIDTH	52
BAND EDGE	78
OUT-OF-BAND EMISSIONS	179
RADIATED SPURIOUS EMISSION	205

Revision History

Rev.	Issue Date	Contents
00	Aug. 07, 2025	Initial Issue

1. TEST FACTORY & MEASUREMENT UNCERTAINTY

1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Occupied Channel Bandwidth	$\pm 0.46\%$
2	RF Output Power, Conducted	$\pm 0.71\text{dB}$
3	Power Spectral Density, Conducted	$\pm 1.57\text{dB}$
4	Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
5	Conducted emission	$\pm 2.80\text{dB}$
6	All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
7	All Emissions, Radiated (30MHz-1GHz)	$\pm 4.61\text{dB}$
8	All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$
9	Temperature	$\pm 0.5^{\circ}\text{C}$
10	Humidity	$\pm 2\%$
11	Duty Cycle	$\pm 2.3\%$

Note: The measurement uncertainty is not included in the test result.

2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name:	Smartphone
Trademark:	ENV
Test Model Name:	ENV NOTE 20
Series Model:	N/A
Model Difference:	N/A
Frequency Bands:	Band 2/4
SIM Card:	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested.
Antenna Designation:	FPC Antenna
Antenna gain:	Band 2: -0.7dBi, Band 4: -0.8dBi
Adapter:	Input: AC 100-240V 50/60Hz 0.5A Output: DC 5V 3A, 9V 2.22A, 12V 1.67A
Battery:	Capacity: 5070mAh Rated Voltage: 3.84V
Extreme Vol. Limits:	3.3V to 4.45V (Nominal 3.84V)
Extreme Temp. Tolerance:	0°C to +40°C
Hardware Version:	H691_MB_v1
Software Version:	N/A

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Product Specification Subjective To This Standard	
Tx Frequency	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz
Rx Frequency	LTE Band 2: 1930-1990MHz LTE Band 4: 2110-2155MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz
Type of Modulation	QPSK/16QAM

2.1.3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 v03r01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power. Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Remark:

1. The mark 'v' means that this configuration is chosen for testing
2. The mark '-' means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated.

ITEMS	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
E.R.P.& E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak&Avera Ratio	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
26dB&99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v		v	v	v	v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
Frequency Stability	2						v	v	v			v		v	
	4						v	v	v			v		v	
Radiated Spurious Emission	2						v	v		v			v	v	v
	4						v	v		v			v	v	v

2.1.4 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 24(E), 27.

2.1.5 SPECIAL ACCESSORIES

The battery and the charger, earphone supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.6 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.1.7 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.

2.1.8 CONFIGURATION OF EUT SYSTEM

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.



Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	Length	Note
N/A				N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.

2.1.9 MEASUREMENT INSTRUMENTS

The radiated emission testing was performed according to the procedures of ANSI C63.26 2015 and FCC CFR 47 rules of 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057.

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024.05.17	2027.05.16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025.03.10	2028.03.09
Horn Antenna(18-40G)	SCHWARZBECK	BBHA 9170	685	2023.10.23	2026.10.22
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2025.03.06	2026.03.05
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2024.10.21	2025.10.20
Wireless Communications Test Set	R&S	CMW 500	137737	2025.03.05	2026.03.04
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Signal Analyzer	Keysight	N9020A	MY52510057	2025.03.05	2026.03.04
Signal Analyzer	R&S	FSV40-N	102245	2025.02.17	2026.02.16
Wireless Communications Test Set	R&S	CMW 500	137737	2025.03.05	2026.03.04
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
RF Automatic Test system	MW	MW200-RFCB	MW220322LG	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025.07.30	2026.07.29
Attenuator	eastsheep	90db	N.A	2025.03.06	2026.03.05
Digital multimeter	MASTECH	MS8261	MBGBC83053	2025.03.05	2026.03.04
DC source	Jiuyuan	QJ6010E	N.A	2025.03.09	2026.03.08
Testing Software	MTS8200_V2.0.0.0_MW				

3. CONDUCTED OUTPUT POWER

3.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

3.1.1 MEASUREMENT METHOD

A system simulator was used to establish communication with the eut. Its parameters were set to force the eut transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

Configuration follows KDB 971168 D01 v03r01.

3.1.2 TEST SETUP



3.1.3 TEST PROCEDURES

1. The transmitter output port was connected to system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest/middle/highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.1.4 TEST RESULTS

Note: Test chart See Appendix II

4. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

4.1 DESCRIPTION OF THE ERP/EIRP MEASUREMENT

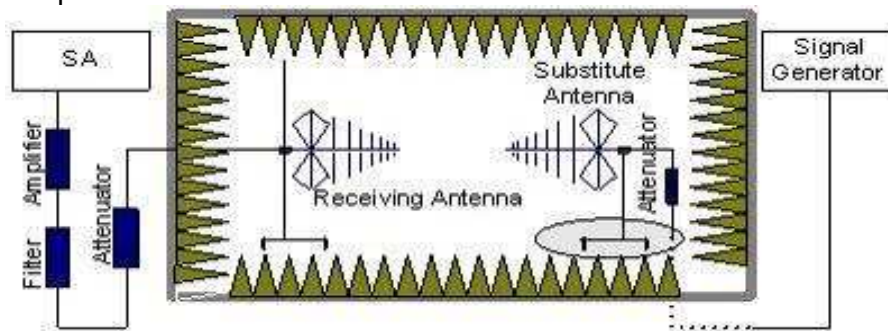
4.1.1 MEASUREMENT METHOD

Effective radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems. Mobile and portable (hand-held) stations operating are limited to average ERP, Equivalent isotropic radiated power output measurements by substitution method according to ANSI C63.26 2015, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas, Mobile and portable (hand-held) stations operating are limited to average EIRP.

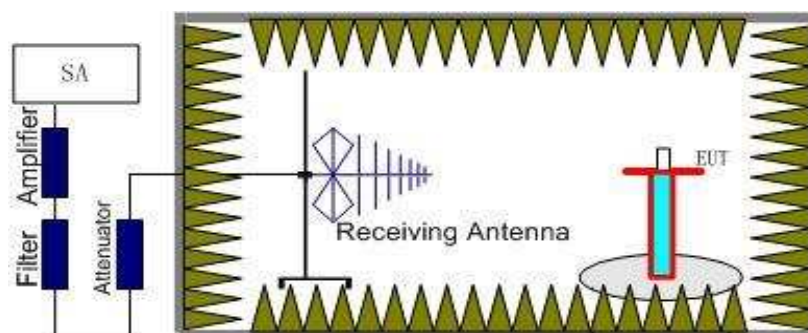
4.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = R_x \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + \text{Gain (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.



b) EUT was placed on a 1.5m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.



Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

$\text{Power} = \text{PMea} + \text{ARpl}$

4.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01v03r01 Section 5.6 and ANSI C63.26 2015 Section 5.2.
2. The EUT was placed on a non-conductive rotating platform 1.5 meters high in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with Peak detector.
3. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 m in both horizontally and vertically polarized orientations.
4. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to ANSI C63.26 2015. The EUT was replaced by dipole antenna (substitution antenna) at same location and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. $EIRP = S.G \text{ Level} + \text{Gain} - \text{Cable loss}$; $ERP = S.G \text{ Level} + \text{Gain} - \text{Cable loss} - 2.15$.
5. RB Set greater than bandwidth, VB Set spectrum analyzer Maximum support.

4.1.4 TEST RESULTS

Note: Test is divided into three directions, X/Y/Z. X pattern for the worst.

Note: Test chart See Appendix II

5. RADIATED SPURIOUS EMISSION

5.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

5.1.1 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

5.1.2 TEST SETUP

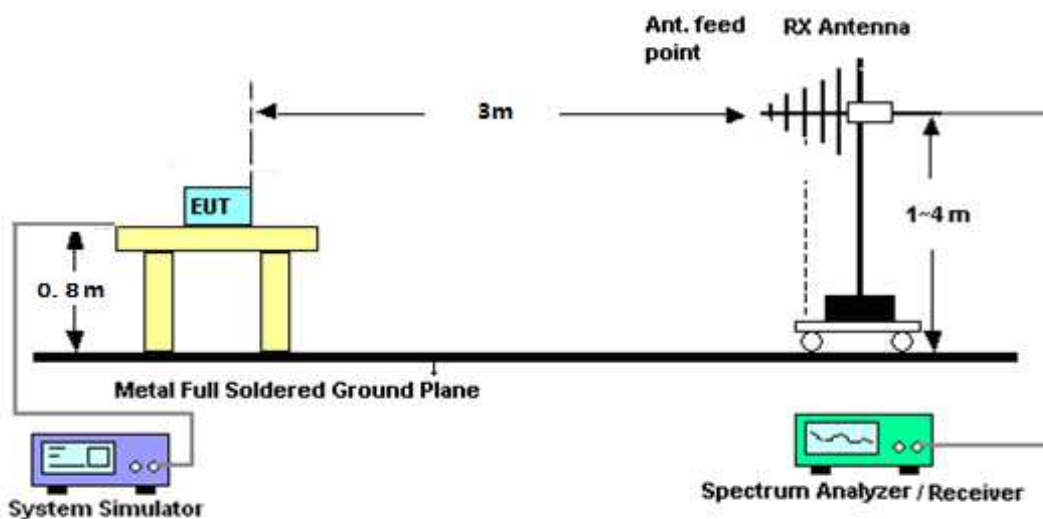
The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx(\text{dBuV}) + CL(\text{dB}) + SA(\text{dB}) + Gain(\text{dBi}) - 107(\text{dBuV to dBm})$ The SA is calibrated using following setup.

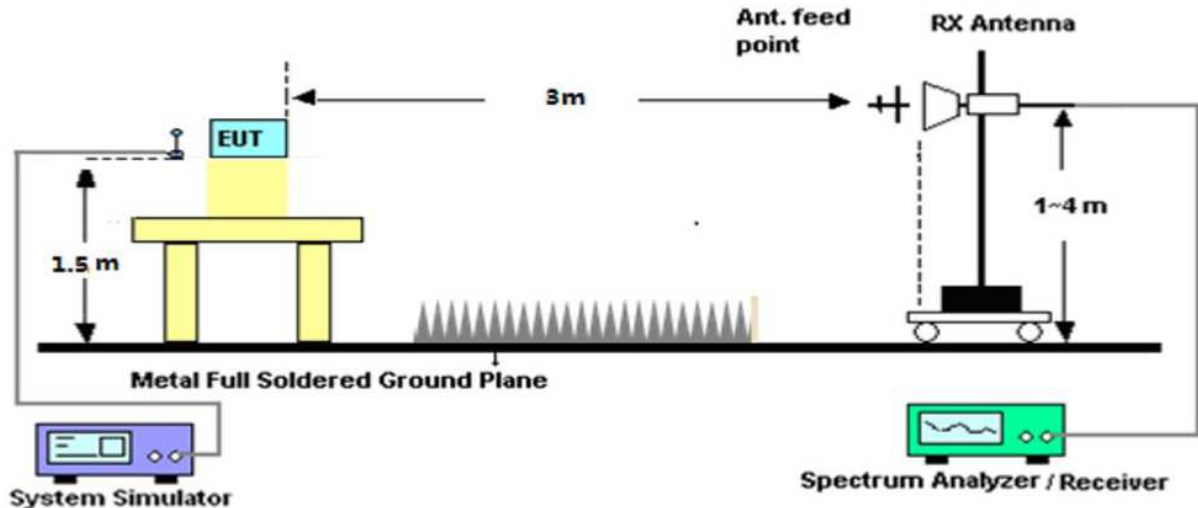
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below: $Power = P_{Mea} + AR_{pl}$
For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



5.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 7 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}$$

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm}$$

$$P_{\text{Mea}} = S.G \text{ Level} + \text{Ant-Cable loss}; \text{Margin} = P_{\text{Mea}} - \text{Limit}.$$

5.1.4 TEST RESULTS

Note: Test chart See Appendix II

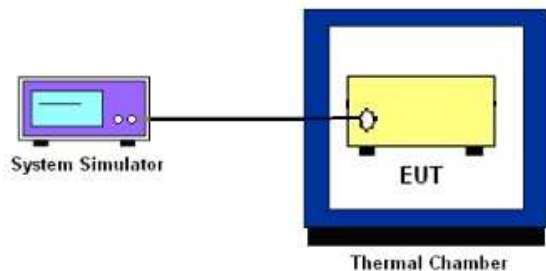
6. FREQUENCY STABILITY

6.1 DESCRIPTION OF FREQUENCY STABILITY MEASUREMENT

6.1.1 MEASUREMENT METHOD

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

6.1.2 TEST SETUP



6.1.3 TEST PROCEDURES FOR TEMPERATURE VARIATION

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

6.1.4 TEST PROCEDURES FOR VOLTAGE VARIATION

1. The testing follows FCC KDB 971168 D01v01r03 Section 9.
2. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

6.1.5 TEST RESULTS

Note: Test chart See Appendix II

APPENDIX I-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

APPENDIX II-TEST DATA

Conducted output power

Band	Bandwidth h (MHz)	UL Channel	RB Size	RB Position	Modulati on	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	21.29	-0.7	20.59	33.01	PASS
Band2	1.4	18607	1	#Mid	QPSK	21.49	-0.7	20.79	33.01	PASS
Band2	1.4	18607	1	#Max	QPSK	21.31	-0.7	20.61	33.01	PASS
Band2	1.4	18607	3	#0	QPSK	21.27	-0.7	20.57	33.01	PASS
Band2	1.4	18607	3	#Mid	QPSK	21.30	-0.7	20.60	33.01	PASS
Band2	1.4	18607	3	#Max	QPSK	21.31	-0.7	20.61	33.01	PASS
Band2	1.4	18607	6	#0	QPSK	20.30	-0.7	19.60	33.01	PASS
Band2	1.4	18607	1	#0	16QAM	20.34	-0.7	19.64	33.01	PASS
Band2	1.4	18607	1	#Mid	16QAM	20.44	-0.7	19.74	33.01	PASS
Band2	1.4	18607	1	#Max	16QAM	20.32	-0.7	19.62	33.01	PASS
Band2	1.4	18607	3	#0	16QAM	20.41	-0.7	19.71	33.01	PASS
Band2	1.4	18607	3	#Mid	16QAM	20.43	-0.7	19.73	33.01	PASS
Band2	1.4	18607	3	#Max	16QAM	20.37	-0.7	19.67	33.01	PASS
Band2	1.4	18607	6	#0	16QAM	19.48	-0.7	18.78	33.01	PASS
Band2	1.4	18900	1	#0	QPSK	20.33	-0.7	19.63	33.01	PASS
Band2	1.4	18900	1	#Mid	QPSK	20.78	-0.7	20.08	33.01	PASS
Band2	1.4	18900	1	#Max	QPSK	20.49	-0.7	19.79	33.01	PASS
Band2	1.4	18900	3	#0	QPSK	20.47	-0.7	19.77	33.01	PASS
Band2	1.4	18900	3	#Mid	QPSK	20.43	-0.7	19.73	33.01	PASS
Band2	1.4	18900	3	#Max	QPSK	20.46	-0.7	19.76	33.01	PASS
Band2	1.4	18900	6	#0	QPSK	19.47	-0.7	18.77	33.01	PASS
Band2	1.4	18900	1	#0	16QAM	19.61	-0.7	18.91	33.01	PASS
Band2	1.4	18900	1	#Mid	16QAM	19.74	-0.7	19.04	33.01	PASS
Band2	1.4	18900	1	#Max	16QAM	19.64	-0.7	18.94	33.01	PASS
Band2	1.4	18900	3	#0	16QAM	19.75	-0.7	19.05	33.01	PASS
Band2	1.4	18900	3	#Mid	16QAM	19.72	-0.7	19.02	33.01	PASS
Band2	1.4	18900	3	#Max	16QAM	19.77	-0.7	19.07	33.01	PASS
Band2	1.4	18900	6	#0	16QAM	18.58	-0.7	17.88	33.01	PASS
Band2	1.4	19193	1	#0	QPSK	20.27	-0.7	19.57	33.01	PASS
Band2	1.4	19193	1	#Mid	QPSK	20.43	-0.7	19.73	33.01	PASS
Band2	1.4	19193	1	#Max	QPSK	20.26	-0.7	19.56	33.01	PASS
Band2	1.4	19193	3	#0	QPSK	20.38	-0.7	19.68	33.01	PASS
Band2	1.4	19193	3	#Mid	QPSK	20.33	-0.7	19.63	33.01	PASS
Band2	1.4	19193	3	#Max	QPSK	20.35	-0.7	19.65	33.01	PASS
Band2	1.4	19193	6	#0	QPSK	19.30	-0.7	18.60	33.01	PASS
Band2	1.4	19193	1	#0	16QAM	19.17	-0.7	18.47	33.01	PASS
Band2	1.4	19193	1	#Mid	16QAM	19.36	-0.7	18.66	33.01	PASS
Band2	1.4	19193	1	#Max	16QAM	19.18	-0.7	18.48	33.01	PASS
Band2	1.4	19193	3	#0	16QAM	19.56	-0.7	18.86	33.01	PASS
Band2	1.4	19193	3	#Mid	16QAM	19.54	-0.7	18.84	33.01	PASS
Band2	1.4	19193	3	#Max	16QAM	19.59	-0.7	18.89	33.01	PASS
Band2	1.4	19193	6	#0	16QAM	18.54	-0.7	17.84	33.01	PASS
Band2	3	18615	1	#0	QPSK	21.32	-0.7	20.62	33.01	PASS
Band2	3	18615	1	#Mid	QPSK	21.35	-0.7	20.65	33.01	PASS
Band2	3	18615	1	#Max	QPSK	20.88	-0.7	20.18	33.01	PASS
Band2	3	18615	8	#0	QPSK	19.87	-0.7	19.17	33.01	PASS
Band2	3	18615	8	#Mid	QPSK	19.92	-0.7	19.22	33.01	PASS
Band2	3	18615	8	#Max	QPSK	19.91	-0.7	19.21	33.01	PASS
Band2	3	18615	15	#0	QPSK	19.86	-0.7	19.16	33.01	PASS
Band2	3	18615	1	#0	16QAM	20.03	-0.7	19.33	33.01	PASS
Band2	3	18615	1	#Mid	16QAM	20.25	-0.7	19.55	33.01	PASS
Band2	3	18615	1	#Max	16QAM	20.03	-0.7	19.33	33.01	PASS
Band2	3	18615	8	#0	16QAM	18.90	-0.7	18.20	33.01	PASS
Band2	3	18615	8	#Mid	16QAM	18.88	-0.7	18.18	33.01	PASS

Band2	3	18615	8	#Max	16QAM	18.91	-0.7	18.21	33.01	PASS
Band2	3	18615	15	#0	16QAM	18.82	-0.7	18.12	33.01	PASS
Band2	3	18900	1	#0	QPSK	20.48	-0.7	19.78	33.01	PASS
Band2	3	18900	1	#Mid	QPSK	20.78	-0.7	20.08	33.01	PASS
Band2	3	18900	1	#Max	QPSK	20.59	-0.7	19.89	33.01	PASS
Band2	3	18900	8	#0	QPSK	19.48	-0.7	18.78	33.01	PASS
Band2	3	18900	8	#Mid	QPSK	19.57	-0.7	18.87	33.01	PASS
Band2	3	18900	8	#Max	QPSK	19.52	-0.7	18.82	33.01	PASS
Band2	3	18900	15	#0	QPSK	19.50	-0.7	18.80	33.01	PASS
Band2	3	18900	1	#0	16QAM	19.41	-0.7	18.71	33.01	PASS
Band2	3	18900	1	#Mid	16QAM	19.85	-0.7	19.15	33.01	PASS
Band2	3	18900	1	#Max	16QAM	19.43	-0.7	18.73	33.01	PASS
Band2	3	18900	8	#0	16QAM	18.49	-0.7	17.79	33.01	PASS
Band2	3	18900	8	#Mid	16QAM	18.54	-0.7	17.84	33.01	PASS
Band2	3	18900	8	#Max	16QAM	18.55	-0.7	17.85	33.01	PASS
Band2	3	18900	15	#0	16QAM	18.60	-0.7	17.90	33.01	PASS
Band2	3	19185	1	#0	QPSK	20.34	-0.7	19.64	33.01	PASS
Band2	3	19185	1	#Mid	QPSK	20.69	-0.7	19.99	33.01	PASS
Band2	3	19185	1	#Max	QPSK	20.32	-0.7	19.62	33.01	PASS
Band2	3	19185	8	#0	QPSK	19.36	-0.7	18.66	33.01	PASS
Band2	3	19185	8	#Mid	QPSK	19.46	-0.7	18.76	33.01	PASS
Band2	3	19185	8	#Max	QPSK	19.40	-0.7	18.70	33.01	PASS
Band2	3	19185	15	#0	QPSK	19.38	-0.7	18.68	33.01	PASS
Band2	3	19185	1	#0	16QAM	19.88	-0.7	19.18	33.01	PASS
Band2	3	19185	1	#Mid	16QAM	20.14	-0.7	19.44	33.01	PASS
Band2	3	19185	1	#Max	16QAM	19.85	-0.7	19.15	33.01	PASS
Band2	3	19185	8	#0	16QAM	18.47	-0.7	17.77	33.01	PASS
Band2	3	19185	8	#Mid	16QAM	18.52	-0.7	17.82	33.01	PASS
Band2	3	19185	8	#Max	16QAM	18.44	-0.7	17.74	33.01	PASS
Band2	3	19185	15	#0	16QAM	18.42	-0.7	17.72	33.01	PASS
Band2	5	18625	1	#0	QPSK	20.66	-0.7	19.96	33.01	PASS
Band2	5	18625	1	#Mid	QPSK	21.09	-0.7	20.39	33.01	PASS
Band2	5	18625	1	#Max	QPSK	20.67	-0.7	19.97	33.01	PASS
Band2	5	18625	12	#0	QPSK	19.81	-0.7	19.11	33.01	PASS
Band2	5	18625	12	#Mid	QPSK	19.89	-0.7	19.19	33.01	PASS
Band2	5	18625	12	#Max	QPSK	19.81	-0.7	19.11	33.01	PASS
Band2	5	18625	25	#0	QPSK	19.85	-0.7	19.15	33.01	PASS
Band2	5	18625	1	#0	16QAM	20.22	-0.7	19.52	33.01	PASS
Band2	5	18625	1	#Mid	16QAM	20.68	-0.7	19.98	33.01	PASS
Band2	5	18625	1	#Max	16QAM	20.25	-0.7	19.55	33.01	PASS
Band2	5	18625	12	#0	16QAM	18.83	-0.7	18.13	33.01	PASS
Band2	5	18625	12	#Mid	16QAM	18.90	-0.7	18.20	33.01	PASS
Band2	5	18625	12	#Max	16QAM	18.81	-0.7	18.11	33.01	PASS
Band2	5	18625	25	#0	16QAM	18.81	-0.7	18.11	33.01	PASS
Band2	5	18900	1	#0	QPSK	20.26	-0.7	19.56	33.01	PASS
Band2	5	18900	1	#Mid	QPSK	20.74	-0.7	20.04	33.01	PASS
Band2	5	18900	1	#Max	QPSK	20.34	-0.7	19.64	33.01	PASS
Band2	5	18900	12	#0	QPSK	19.44	-0.7	18.74	33.01	PASS
Band2	5	18900	12	#Mid	QPSK	19.49	-0.7	18.79	33.01	PASS
Band2	5	18900	12	#Max	QPSK	19.47	-0.7	18.77	33.01	PASS
Band2	5	18900	25	#0	QPSK	19.45	-0.7	18.75	33.01	PASS
Band2	5	18900	1	#0	16QAM	19.68	-0.7	18.98	33.01	PASS
Band2	5	18900	1	#Mid	16QAM	20.08	-0.7	19.38	33.01	PASS
Band2	5	18900	1	#Max	16QAM	19.74	-0.7	19.04	33.01	PASS
Band2	5	18900	12	#0	16QAM	18.39	-0.7	17.69	33.01	PASS
Band2	5	18900	12	#Mid	16QAM	18.47	-0.7	17.77	33.01	PASS
Band2	5	18900	12	#Max	16QAM	18.41	-0.7	17.71	33.01	PASS
Band2	5	18900	25	#0	16QAM	18.49	-0.7	17.79	33.01	PASS
Band2	5	19175	1	#0	QPSK	20.19	-0.7	19.49	33.01	PASS
Band2	5	19175	1	#Mid	QPSK	20.59	-0.7	19.89	33.01	PASS
Band2	5	19175	1	#Max	QPSK	20.10	-0.7	19.40	33.01	PASS
Band2	5	19175	12	#0	QPSK	19.32	-0.7	18.62	33.01	PASS
Band2	5	19175	12	#Mid	QPSK	19.39	-0.7	18.69	33.01	PASS
Band2	5	19175	12	#Max	QPSK	19.30	-0.7	18.60	33.01	PASS
Band2	5	19175	25	#0	QPSK	19.32	-0.7	18.62	33.01	PASS
Band2	5	19175	1	#0	16QAM	19.65	-0.7	18.95	33.01	PASS
Band2	5	19175	1	#Mid	16QAM	20.02	-0.7	19.32	33.01	PASS
Band2	5	19175	1	#Max	16QAM	19.57	-0.7	18.87	33.01	PASS

Band2	5	19175	12	#0	16QAM	18.39	-0.7	17.69	33.01	PASS
Band2	5	19175	12	#Mid	16QAM	18.44	-0.7	17.74	33.01	PASS
Band2	5	19175	12	#Max	16QAM	18.32	-0.7	17.62	33.01	PASS
Band2	5	19175	25	#0	16QAM	18.31	-0.7	17.61	33.01	PASS
Band2	10	18650	1	#0	QPSK	20.71	-0.7	20.01	33.01	PASS
Band2	10	18650	1	#Mid	QPSK	20.92	-0.7	20.22	33.01	PASS
Band2	10	18650	1	#Max	QPSK	20.60	-0.7	19.90	33.01	PASS
Band2	10	18650	25	#0	QPSK	19.93	-0.7	19.23	33.01	PASS
Band2	10	18650	25	#Mid	QPSK	19.89	-0.7	19.19	33.01	PASS
Band2	10	18650	25	#Max	QPSK	19.79	-0.7	19.09	33.01	PASS
Band2	10	18650	50	#0	QPSK	19.90	-0.7	19.20	33.01	PASS
Band2	10	18650	1	#0	16QAM	19.90	-0.7	19.20	33.01	PASS
Band2	10	18650	1	#Mid	16QAM	20.12	-0.7	19.42	33.01	PASS
Band2	10	18650	1	#Max	16QAM	19.84	-0.7	19.14	33.01	PASS
Band2	10	18650	25	#0	16QAM	18.96	-0.7	18.26	33.01	PASS
Band2	10	18650	25	#Mid	16QAM	18.89	-0.7	18.19	33.01	PASS
Band2	10	18650	25	#Max	16QAM	18.83	-0.7	18.13	33.01	PASS
Band2	10	18650	50	#0	16QAM	18.96	-0.7	18.26	33.01	PASS
Band2	10	18900	1	#0	QPSK	20.34	-0.7	19.64	33.01	PASS
Band2	10	18900	1	#Mid	QPSK	20.60	-0.7	19.90	33.01	PASS
Band2	10	18900	1	#Max	QPSK	20.55	-0.7	19.85	33.01	PASS
Band2	10	18900	25	#0	QPSK	19.45	-0.7	18.75	33.01	PASS
Band2	10	18900	25	#Mid	QPSK	19.51	-0.7	18.81	33.01	PASS
Band2	10	18900	25	#Max	QPSK	19.48	-0.7	18.78	33.01	PASS
Band2	10	18900	50	#0	QPSK	19.51	-0.7	18.81	33.01	PASS
Band2	10	18900	1	#0	16QAM	19.24	-0.7	18.54	33.01	PASS
Band2	10	18900	1	#Mid	16QAM	19.52	-0.7	18.82	33.01	PASS
Band2	10	18900	1	#Max	16QAM	19.39	-0.7	18.69	33.01	PASS
Band2	10	18900	25	#0	16QAM	18.48	-0.7	17.78	33.01	PASS
Band2	10	18900	25	#Mid	16QAM	18.53	-0.7	17.83	33.01	PASS
Band2	10	18900	25	#Max	16QAM	18.54	-0.7	17.84	33.01	PASS
Band2	10	18900	50	#0	16QAM	18.51	-0.7	17.81	33.01	PASS
Band2	10	19150	1	#0	QPSK	20.40	-0.7	19.70	33.01	PASS
Band2	10	19150	1	#Mid	QPSK	20.49	-0.7	19.79	33.01	PASS
Band2	10	19150	1	#Max	QPSK	20.21	-0.7	19.51	33.01	PASS
Band2	10	19150	25	#0	QPSK	19.53	-0.7	18.83	33.01	PASS
Band2	10	19150	25	#Mid	QPSK	19.46	-0.7	18.76	33.01	PASS
Band2	10	19150	25	#Max	QPSK	19.40	-0.7	18.70	33.01	PASS
Band2	10	19150	50	#0	QPSK	19.46	-0.7	18.76	33.01	PASS
Band2	10	19150	1	#0	16QAM	19.91	-0.7	19.21	33.01	PASS
Band2	10	19150	1	#Mid	16QAM	19.96	-0.7	19.26	33.01	PASS
Band2	10	19150	1	#Max	16QAM	19.75	-0.7	19.05	33.01	PASS
Band2	10	19150	25	#0	16QAM	18.61	-0.7	17.91	33.01	PASS
Band2	10	19150	25	#Mid	16QAM	18.54	-0.7	17.84	33.01	PASS
Band2	10	19150	25	#Max	16QAM	18.48	-0.7	17.78	33.01	PASS
Band2	10	19150	50	#0	16QAM	18.52	-0.7	17.82	33.01	PASS
Band2	15	18675	1	#0	QPSK	20.63	-0.7	19.93	33.01	PASS
Band2	15	18675	1	#Mid	QPSK	20.91	-0.7	20.21	33.01	PASS
Band2	15	18675	1	#Max	QPSK	20.31	-0.7	19.61	33.01	PASS
Band2	15	18675	36	#0	QPSK	19.89	-0.7	19.19	33.01	PASS
Band2	15	18675	36	#Mid	QPSK	19.82	-0.7	19.12	33.01	PASS
Band2	15	18675	36	#Max	QPSK	19.64	-0.7	18.94	33.01	PASS
Band2	15	18675	75	#0	QPSK	19.81	-0.7	19.11	33.01	PASS
Band2	15	18675	1	#0	16QAM	19.77	-0.7	19.07	33.01	PASS
Band2	15	18675	1	#Mid	16QAM	20.07	-0.7	19.37	33.01	PASS
Band2	15	18675	1	#Max	16QAM	19.59	-0.7	18.89	33.01	PASS
Band2	15	18675	36	#0	16QAM	18.88	-0.7	18.18	33.01	PASS
Band2	15	18675	36	#Mid	16QAM	18.84	-0.7	18.14	33.01	PASS
Band2	15	18675	36	#Max	16QAM	18.67	-0.7	17.97	33.01	PASS
Band2	15	18675	75	#0	16QAM	18.76	-0.7	18.06	33.01	PASS
Band2	15	18900	1	#0	QPSK	20.16	-0.7	19.46	33.01	PASS
Band2	15	18900	1	#Mid	QPSK	20.63	-0.7	19.93	33.01	PASS
Band2	15	18900	1	#Max	QPSK	20.37	-0.7	19.67	33.01	PASS
Band2	15	18900	36	#0	QPSK	19.39	-0.7	18.69	33.01	PASS
Band2	15	18900	36	#Mid	QPSK	19.51	-0.7	18.81	33.01	PASS
Band2	15	18900	36	#Max	QPSK	19.49	-0.7	18.79	33.01	PASS
Band2	15	18900	75	#0	QPSK	19.40	-0.7	18.70	33.01	PASS
Band2	15	18900	1	#0	16QAM	19.32	-0.7	18.62	33.01	PASS

Band2	15	18900	1	#Mid	16QAM	19.85	-0.7	19.15	33.01	PASS
Band2	15	18900	1	#Max	16QAM	19.51	-0.7	18.81	33.01	PASS
Band2	15	18900	36	#0	16QAM	18.33	-0.7	17.63	33.01	PASS
Band2	15	18900	36	#Mid	16QAM	18.42	-0.7	17.72	33.01	PASS
Band2	15	18900	36	#Max	16QAM	18.43	-0.7	17.73	33.01	PASS
Band2	15	18900	75	#0	16QAM	18.44	-0.7	17.74	33.01	PASS
Band2	15	19125	1	#0	QPSK	20.31	-0.7	19.61	33.01	PASS
Band2	15	19125	1	#Mid	QPSK	20.74	-0.7	20.04	33.01	PASS
Band2	15	19125	1	#Max	QPSK	20.07	-0.7	19.37	33.01	PASS
Band2	15	19125	36	#0	QPSK	19.53	-0.7	18.83	33.01	PASS
Band2	15	19125	36	#Mid	QPSK	19.52	-0.7	18.82	33.01	PASS
Band2	15	19125	36	#Max	QPSK	19.36	-0.7	18.66	33.01	PASS
Band2	15	19125	75	#0	QPSK	19.48	-0.7	18.78	33.01	PASS
Band2	15	19125	1	#0	16QAM	19.84	-0.7	19.14	33.01	PASS
Band2	15	19125	1	#Mid	16QAM	20.12	-0.7	19.42	33.01	PASS
Band2	15	19125	1	#Max	16QAM	19.63	-0.7	18.93	33.01	PASS
Band2	15	19125	36	#0	16QAM	18.58	-0.7	17.88	33.01	PASS
Band2	15	19125	36	#Mid	16QAM	18.53	-0.7	17.83	33.01	PASS
Band2	15	19125	36	#Max	16QAM	18.39	-0.7	17.69	33.01	PASS
Band2	15	19125	75	#0	16QAM	18.48	-0.7	17.78	33.01	PASS
Band2	20	18700	1	#0	QPSK	20.51	-0.7	19.81	33.01	PASS
Band2	20	18700	1	#Mid	QPSK	20.80	-0.7	20.10	33.01	PASS
Band2	20	18700	1	#Max	QPSK	20.13	-0.7	19.43	33.01	PASS
Band2	20	18700	50	#0	QPSK	19.84	-0.7	19.14	33.01	PASS
Band2	20	18700	50	#Mid	QPSK	19.67	-0.7	18.97	33.01	PASS
Band2	20	18700	50	#Max	QPSK	19.56	-0.7	18.86	33.01	PASS
Band2	20	18700	100	#0	QPSK	19.73	-0.7	19.03	33.01	PASS
Band2	20	18700	1	#0	16QAM	19.71	-0.7	19.01	33.01	PASS
Band2	20	18700	1	#Mid	16QAM	20.04	-0.7	19.34	33.01	PASS
Band2	20	18700	1	#Max	16QAM	19.47	-0.7	18.77	33.01	PASS
Band2	20	18700	50	#0	16QAM	18.88	-0.7	18.18	33.01	PASS
Band2	20	18700	50	#Mid	16QAM	18.70	-0.7	18.00	33.01	PASS
Band2	20	18700	50	#Max	16QAM	18.57	-0.7	17.87	33.01	PASS
Band2	20	18700	100	#0	16QAM	18.77	-0.7	18.07	33.01	PASS
Band2	20	18900	1	#0	QPSK	20.00	-0.7	19.30	33.01	PASS
Band2	20	18900	1	#Mid	QPSK	20.52	-0.7	19.82	33.01	PASS
Band2	20	18900	1	#Max	QPSK	20.25	-0.7	19.55	33.01	PASS
Band2	20	18900	50	#0	QPSK	19.34	-0.7	18.64	33.01	PASS
Band2	20	18900	50	#Mid	QPSK	19.46	-0.7	18.76	33.01	PASS
Band2	20	18900	50	#Max	QPSK	19.35	-0.7	18.65	33.01	PASS
Band2	20	18900	100	#0	QPSK	19.38	-0.7	18.68	33.01	PASS
Band2	20	18900	1	#0	16QAM	19.34	-0.7	18.64	33.01	PASS
Band2	20	18900	1	#Mid	16QAM	19.88	-0.7	19.18	33.01	PASS
Band2	20	18900	1	#Max	16QAM	19.60	-0.7	18.90	33.01	PASS
Band2	20	18900	50	#0	16QAM	18.43	-0.7	17.73	33.01	PASS
Band2	20	18900	50	#Mid	16QAM	18.56	-0.7	17.86	33.01	PASS
Band2	20	18900	50	#Max	16QAM	18.45	-0.7	17.75	33.01	PASS
Band2	20	18900	100	#0	16QAM	18.45	-0.7	17.75	33.01	PASS
Band2	20	19100	1	#0	QPSK	20.20	-0.7	19.50	33.01	PASS
Band2	20	19100	1	#Mid	QPSK	20.59	-0.7	19.89	33.01	PASS
Band2	20	19100	1	#Max	QPSK	19.99	-0.7	19.29	33.01	PASS
Band2	20	19100	50	#0	QPSK	19.63	-0.7	18.93	33.01	PASS
Band2	20	19100	50	#Mid	QPSK	19.55	-0.7	18.85	33.01	PASS
Band2	20	19100	50	#Max	QPSK	19.43	-0.7	18.73	33.01	PASS
Band2	20	19100	100	#0	QPSK	19.54	-0.7	18.84	33.01	PASS
Band2	20	19100	1	#0	16QAM	19.63	-0.7	18.93	33.01	PASS
Band2	20	19100	1	#Mid	16QAM	20.00	-0.7	19.30	33.01	PASS
Band2	20	19100	1	#Max	16QAM	19.42	-0.7	18.72	33.01	PASS
Band2	20	19100	50	#0	16QAM	18.72	-0.7	18.02	33.01	PASS
Band2	20	19100	50	#Mid	16QAM	18.66	-0.7	17.96	33.01	PASS
Band2	20	19100	50	#Max	16QAM	18.46	-0.7	17.76	33.01	PASS
Band2	20	19100	100	#0	16QAM	18.57	-0.7	17.87	33.01	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.31	-0.8	21.51	30	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.36	-0.8	21.56	30	PASS
Band4	1.4	19957	1	#Max	QPSK	22.15	-0.8	21.35	30	PASS
Band4	1.4	19957	3	#0	QPSK	22.29	-0.8	21.49	30	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.26	-0.8	21.46	30	PASS
Band4	1.4	19957	3	#Max	QPSK	22.24	-0.8	21.44	30	PASS
Band4	1.4	19957	6	#0	QPSK	21.22	-0.8	20.42	30	PASS
Band4	1.4	19957	1	#0	16QAM	21.42	-0.8	20.62	30	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.52	-0.8	20.72	30	PASS
Band4	1.4	19957	1	#Max	16QAM	21.41	-0.8	20.61	30	PASS
Band4	1.4	19957	3	#0	16QAM	21.51	-0.8	20.71	30	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.56	-0.8	20.76	30	PASS
Band4	1.4	19957	3	#Max	16QAM	21.56	-0.8	20.76	30	PASS
Band4	1.4	19957	6	#0	16QAM	20.38	-0.8	19.58	30	PASS
Band4	1.4	20175	1	#0	QPSK	22.54	-0.8	21.74	30	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.70	-0.8	21.90	30	PASS
Band4	1.4	20175	1	#Max	QPSK	22.56	-0.8	21.76	30	PASS
Band4	1.4	20175	3	#0	QPSK	22.61	-0.8	21.81	30	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.59	-0.8	21.79	30	PASS
Band4	1.4	20175	3	#Max	QPSK	22.59	-0.8	21.79	30	PASS
Band4	1.4	20175	6	#0	QPSK	21.59	-0.8	20.79	30	PASS
Band4	1.4	20175	1	#0	16QAM	21.37	-0.8	20.57	30	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.58	-0.8	20.78	30	PASS
Band4	1.4	20175	1	#Max	16QAM	21.40	-0.8	20.60	30	PASS
Band4	1.4	20175	3	#0	16QAM	21.78	-0.8	20.98	30	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.80	-0.8	21.00	30	PASS
Band4	1.4	20175	3	#Max	16QAM	21.80	-0.8	21.00	30	PASS
Band4	1.4	20175	6	#0	16QAM	20.78	-0.8	19.98	30	PASS
Band4	1.4	20393	1	#0	QPSK	22.30	-0.8	21.50	30	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.51	-0.8	21.71	30	PASS
Band4	1.4	20393	1	#Max	QPSK	22.37	-0.8	21.57	30	PASS
Band4	1.4	20393	3	#0	QPSK	22.36	-0.8	21.56	30	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.33	-0.8	21.53	30	PASS
Band4	1.4	20393	3	#Max	QPSK	22.38	-0.8	21.58	30	PASS
Band4	1.4	20393	6	#0	QPSK	21.31	-0.8	20.51	30	PASS
Band4	1.4	20393	1	#0	16QAM	21.54	-0.8	20.74	30	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.67	-0.8	20.87	30	PASS
Band4	1.4	20393	1	#Max	16QAM	21.55	-0.8	20.75	30	PASS
Band4	1.4	20393	3	#0	16QAM	21.61	-0.8	20.81	30	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.62	-0.8	20.82	30	PASS
Band4	1.4	20393	3	#Max	16QAM	21.64	-0.8	20.84	30	PASS
Band4	1.4	20393	6	#0	16QAM	20.51	-0.8	19.71	30	PASS
Band4	3	19965	1	#0	QPSK	22.28	-0.8	21.48	30	PASS
Band4	3	19965	1	#Mid	QPSK	22.55	-0.8	21.75	30	PASS
Band4	3	19965	1	#Max	QPSK	22.24	-0.8	21.44	30	PASS
Band4	3	19965	8	#0	QPSK	21.28	-0.8	20.48	30	PASS
Band4	3	19965	8	#Mid	QPSK	21.33	-0.8	20.53	30	PASS
Band4	3	19965	8	#Max	QPSK	21.32	-0.8	20.52	30	PASS
Band4	3	19965	15	#0	QPSK	21.31	-0.8	20.51	30	PASS
Band4	3	19965	1	#0	16QAM	21.77	-0.8	20.97	30	PASS
Band4	3	19965	1	#Mid	16QAM	22.10	-0.8	21.30	30	PASS
Band4	3	19965	1	#Max	16QAM	21.74	-0.8	20.94	30	PASS
Band4	3	19965	8	#0	16QAM	20.32	-0.8	19.52	30	PASS
Band4	3	19965	8	#Mid	16QAM	20.37	-0.8	19.57	30	PASS
Band4	3	19965	8	#Max	16QAM	20.35	-0.8	19.55	30	PASS
Band4	3	19965	15	#0	16QAM	20.34	-0.8	19.54	30	PASS
Band4	3	20175	1	#0	QPSK	22.62	-0.8	21.82	30	PASS
Band4	3	20175	1	#Mid	QPSK	22.91	-0.8	22.11	30	PASS
Band4	3	20175	1	#Max	QPSK	22.60	-0.8	21.80	30	PASS
Band4	3	20175	8	#0	QPSK	21.64	-0.8	20.84	30	PASS
Band4	3	20175	8	#Mid	QPSK	21.68	-0.8	20.88	30	PASS
Band4	3	20175	8	#Max	QPSK	21.67	-0.8	20.87	30	PASS
Band4	3	20175	15	#0	QPSK	21.64	-0.8	20.84	30	PASS
Band4	3	20175	1	#0	16QAM	21.87	-0.8	21.07	30	PASS
Band4	3	20175	1	#Mid	16QAM	22.10	-0.8	21.30	30	PASS

Band4	3	20175	1	#Max	16QAM	21.82	-0.8	21.02	30	PASS
Band4	3	20175	8	#0	16QAM	20.69	-0.8	19.89	30	PASS
Band4	3	20175	8	#Mid	16QAM	20.70	-0.8	19.90	30	PASS
Band4	3	20175	8	#Max	16QAM	20.66	-0.8	19.86	30	PASS
Band4	3	20175	15	#0	16QAM	20.61	-0.8	19.81	30	PASS
Band4	3	20385	1	#0	QPSK	22.40	-0.8	21.60	30	PASS
Band4	3	20385	1	#Mid	QPSK	22.76	-0.8	21.96	30	PASS
Band4	3	20385	1	#Max	QPSK	22.45	-0.8	21.65	30	PASS
Band4	3	20385	8	#0	QPSK	21.40	-0.8	20.60	30	PASS
Band4	3	20385	8	#Mid	QPSK	21.45	-0.8	20.65	30	PASS
Band4	3	20385	8	#Max	QPSK	21.40	-0.8	20.60	30	PASS
Band4	3	20385	15	#0	QPSK	21.43	-0.8	20.63	30	PASS
Band4	3	20385	1	#0	16QAM	21.33	-0.8	20.53	30	PASS
Band4	3	20385	1	#Mid	16QAM	21.65	-0.8	20.85	30	PASS
Band4	3	20385	1	#Max	16QAM	21.32	-0.8	20.52	30	PASS
Band4	3	20385	8	#0	16QAM	20.43	-0.8	19.63	30	PASS
Band4	3	20385	8	#Mid	16QAM	20.41	-0.8	19.61	30	PASS
Band4	3	20385	8	#Max	16QAM	20.44	-0.8	19.64	30	PASS
Band4	3	20385	15	#0	16QAM	20.48	-0.8	19.68	30	PASS
Band4	5	19975	1	#0	QPSK	22.03	-0.8	21.23	30	PASS
Band4	5	19975	1	#Mid	QPSK	22.29	-0.8	21.49	30	PASS
Band4	5	19975	1	#Max	QPSK	22.07	-0.8	21.27	30	PASS
Band4	5	19975	12	#0	QPSK	21.18	-0.8	20.38	30	PASS
Band4	5	19975	12	#Mid	QPSK	21.27	-0.8	20.47	30	PASS
Band4	5	19975	12	#Max	QPSK	21.23	-0.8	20.43	30	PASS
Band4	5	19975	25	#0	QPSK	21.25	-0.8	20.45	30	PASS
Band4	5	19975	1	#0	16QAM	21.47	-0.8	20.67	30	PASS
Band4	5	19975	1	#Mid	16QAM	21.83	-0.8	21.03	30	PASS
Band4	5	19975	1	#Max	16QAM	21.52	-0.8	20.72	30	PASS
Band4	5	19975	12	#0	16QAM	20.23	-0.8	19.43	30	PASS
Band4	5	19975	12	#Mid	16QAM	20.29	-0.8	19.49	30	PASS
Band4	5	19975	12	#Max	16QAM	20.31	-0.8	19.51	30	PASS
Band4	5	19975	25	#0	16QAM	20.19	-0.8	19.39	30	PASS
Band4	5	20175	1	#0	QPSK	22.42	-0.8	21.62	30	PASS
Band4	5	20175	1	#Mid	QPSK	22.92	-0.8	22.12	30	PASS
Band4	5	20175	1	#Max	QPSK	22.35	-0.8	21.55	30	PASS
Band4	5	20175	12	#0	QPSK	21.52	-0.8	20.72	30	PASS
Band4	5	20175	12	#Mid	QPSK	21.61	-0.8	20.81	30	PASS
Band4	5	20175	12	#Max	QPSK	21.53	-0.8	20.73	30	PASS
Band4	5	20175	25	#0	QPSK	21.59	-0.8	20.79	30	PASS
Band4	5	20175	1	#0	16QAM	22.01	-0.8	21.21	30	PASS
Band4	5	20175	1	#Mid	16QAM	22.47	-0.8	21.67	30	PASS
Band4	5	20175	1	#Max	16QAM	21.97	-0.8	21.17	30	PASS
Band4	5	20175	12	#0	16QAM	20.57	-0.8	19.77	30	PASS
Band4	5	20175	12	#Mid	16QAM	20.63	-0.8	19.83	30	PASS
Band4	5	20175	12	#Max	16QAM	20.54	-0.8	19.74	30	PASS
Band4	5	20175	25	#0	16QAM	20.53	-0.8	19.73	30	PASS
Band4	5	20375	1	#0	QPSK	22.16	-0.8	21.36	30	PASS
Band4	5	20375	1	#Mid	QPSK	22.55	-0.8	21.75	30	PASS
Band4	5	20375	1	#Max	QPSK	22.19	-0.8	21.39	30	PASS
Band4	5	20375	12	#0	QPSK	21.31	-0.8	20.51	30	PASS
Band4	5	20375	12	#Mid	QPSK	21.37	-0.8	20.57	30	PASS
Band4	5	20375	12	#Max	QPSK	21.32	-0.8	20.52	30	PASS
Band4	5	20375	25	#0	QPSK	21.37	-0.8	20.57	30	PASS
Band4	5	20375	1	#0	16QAM	21.58	-0.8	20.78	30	PASS
Band4	5	20375	1	#Mid	16QAM	22.03	-0.8	21.23	30	PASS
Band4	5	20375	1	#Max	16QAM	21.63	-0.8	20.83	30	PASS
Band4	5	20375	12	#0	16QAM	20.29	-0.8	19.49	30	PASS
Band4	5	20375	12	#Mid	16QAM	20.35	-0.8	19.55	30	PASS
Band4	5	20375	12	#Max	16QAM	20.28	-0.8	19.48	30	PASS
Band4	5	20375	25	#0	16QAM	20.37	-0.8	19.57	30	PASS
Band4	10	20000	1	#0	QPSK	22.17	-0.8	21.37	30	PASS
Band4	10	20000	1	#Mid	QPSK	22.48	-0.8	21.68	30	PASS
Band4	10	20000	1	#Max	QPSK	22.40	-0.8	21.60	30	PASS
Band4	10	20000	25	#0	QPSK	21.22	-0.8	20.42	30	PASS
Band4	10	20000	25	#Mid	QPSK	21.34	-0.8	20.54	30	PASS
Band4	10	20000	25	#Max	QPSK	21.45	-0.8	20.65	30	PASS
Band4	10	20000	50	#0	QPSK	21.34	-0.8	20.54	30	PASS

Band4	10	20000	1	#0	16QAM	21.07	-0.8	20.27	30	PASS
Band4	10	20000	1	#Mid	16QAM	21.32	-0.8	20.52	30	PASS
Band4	10	20000	1	#Max	16QAM	21.25	-0.8	20.45	30	PASS
Band4	10	20000	25	#0	16QAM	20.24	-0.8	19.44	30	PASS
Band4	10	20000	25	#Mid	16QAM	20.34	-0.8	19.54	30	PASS
Band4	10	20000	25	#Max	16QAM	20.48	-0.8	19.68	30	PASS
Band4	10	20000	50	#0	16QAM	20.31	-0.8	19.51	30	PASS
Band4	10	20175	1	#0	QPSK	22.45	-0.8	21.65	30	PASS
Band4	10	20175	1	#Mid	QPSK	22.63	-0.8	21.83	30	PASS
Band4	10	20175	1	#Max	QPSK	22.36	-0.8	21.56	30	PASS
Band4	10	20175	25	#0	QPSK	21.60	-0.8	20.80	30	PASS
Band4	10	20175	25	#Mid	QPSK	21.64	-0.8	20.84	30	PASS
Band4	10	20175	25	#Max	QPSK	21.60	-0.8	20.80	30	PASS
Band4	10	20175	50	#0	QPSK	21.60	-0.8	20.80	30	PASS
Band4	10	20175	1	#0	16QAM	21.94	-0.8	21.14	30	PASS
Band4	10	20175	1	#Mid	16QAM	22.10	-0.8	21.30	30	PASS
Band4	10	20175	1	#Max	16QAM	21.86	-0.8	21.06	30	PASS
Band4	10	20175	25	#0	16QAM	20.61	-0.8	19.81	30	PASS
Band4	10	20175	25	#Mid	16QAM	20.70	-0.8	19.90	30	PASS
Band4	10	20175	25	#Max	16QAM	20.64	-0.8	19.84	30	PASS
Band4	10	20175	50	#0	16QAM	20.63	-0.8	19.83	30	PASS
Band4	10	20350	1	#0	QPSK	22.19	-0.8	21.39	30	PASS
Band4	10	20350	1	#Mid	QPSK	22.37	-0.8	21.57	30	PASS
Band4	10	20350	1	#Max	QPSK	22.26	-0.8	21.46	30	PASS
Band4	10	20350	25	#0	QPSK	21.40	-0.8	20.60	30	PASS
Band4	10	20350	25	#Mid	QPSK	21.35	-0.8	20.55	30	PASS
Band4	10	20350	25	#Max	QPSK	21.33	-0.8	20.53	30	PASS
Band4	10	20350	50	#0	QPSK	21.38	-0.8	20.58	30	PASS
Band4	10	20350	1	#0	16QAM	21.46	-0.8	20.66	30	PASS
Band4	10	20350	1	#Mid	16QAM	21.73	-0.8	20.93	30	PASS
Band4	10	20350	1	#Max	16QAM	21.51	-0.8	20.71	30	PASS
Band4	10	20350	25	#0	16QAM	20.43	-0.8	19.63	30	PASS
Band4	10	20350	25	#Mid	16QAM	20.43	-0.8	19.63	30	PASS
Band4	10	20350	25	#Max	16QAM	20.34	-0.8	19.54	30	PASS
Band4	10	20350	50	#0	16QAM	20.45	-0.8	19.65	30	PASS
Band4	15	20025	1	#0	QPSK	21.94	-0.8	21.14	30	PASS
Band4	15	20025	1	#Mid	QPSK	22.50	-0.8	21.70	30	PASS
Band4	15	20025	1	#Max	QPSK	22.27	-0.8	21.47	30	PASS
Band4	15	20025	36	#0	QPSK	21.20	-0.8	20.40	30	PASS
Band4	15	20025	36	#Mid	QPSK	21.40	-0.8	20.60	30	PASS
Band4	15	20025	36	#Max	QPSK	21.50	-0.8	20.70	30	PASS
Band4	15	20025	75	#0	QPSK	21.40	-0.8	20.60	30	PASS
Band4	15	20025	1	#0	16QAM	21.45	-0.8	20.65	30	PASS
Band4	15	20025	1	#Mid	16QAM	22.00	-0.8	21.20	30	PASS
Band4	15	20025	1	#Max	16QAM	21.77	-0.8	20.97	30	PASS
Band4	15	20025	36	#0	16QAM	20.21	-0.8	19.41	30	PASS
Band4	15	20025	36	#Mid	16QAM	20.39	-0.8	19.59	30	PASS
Band4	15	20025	36	#Max	16QAM	20.51	-0.8	19.71	30	PASS
Band4	15	20025	75	#0	16QAM	20.36	-0.8	19.56	30	PASS
Band4	15	20175	1	#0	QPSK	22.27	-0.8	21.47	30	PASS
Band4	15	20175	1	#Mid	QPSK	22.79	-0.8	21.99	30	PASS
Band4	15	20175	1	#Max	QPSK	22.21	-0.8	21.41	30	PASS
Band4	15	20175	36	#0	QPSK	21.59	-0.8	20.79	30	PASS
Band4	15	20175	36	#Mid	QPSK	21.62	-0.8	20.82	30	PASS
Band4	15	20175	36	#Max	QPSK	21.51	-0.8	20.71	30	PASS
Band4	15	20175	75	#0	QPSK	21.58	-0.8	20.78	30	PASS
Band4	15	20175	1	#0	16QAM	21.53	-0.8	20.73	30	PASS
Band4	15	20175	1	#Mid	16QAM	22.05	-0.8	21.25	30	PASS
Band4	15	20175	1	#Max	16QAM	21.49	-0.8	20.69	30	PASS
Band4	15	20175	36	#0	16QAM	20.58	-0.8	19.78	30	PASS
Band4	15	20175	36	#Mid	16QAM	20.66	-0.8	19.86	30	PASS
Band4	15	20175	36	#Max	16QAM	20.57	-0.8	19.77	30	PASS
Band4	15	20175	75	#0	16QAM	20.54	-0.8	19.74	30	PASS
Band4	15	20325	1	#0	QPSK	22.22	-0.8	21.42	30	PASS
Band4	15	20325	1	#Mid	QPSK	22.48	-0.8	21.68	30	PASS
Band4	15	20325	1	#Max	QPSK	22.10	-0.8	21.30	30	PASS
Band4	15	20325	36	#0	QPSK	21.40	-0.8	20.60	30	PASS
Band4	15	20325	36	#Mid	QPSK	21.37	-0.8	20.57	30	PASS

Band4	15	20325	36	#Max	QPSK	21.27	-0.8	20.47	30	PASS
Band4	15	20325	75	#0	QPSK	21.32	-0.8	20.52	30	PASS
Band4	15	20325	1	#0	16QAM	21.30	-0.8	20.50	30	PASS
Band4	15	20325	1	#Mid	16QAM	21.68	-0.8	20.88	30	PASS
Band4	15	20325	1	#Max	16QAM	21.27	-0.8	20.47	30	PASS
Band4	15	20325	36	#0	16QAM	20.33	-0.8	19.53	30	PASS
Band4	15	20325	36	#Mid	16QAM	20.35	-0.8	19.55	30	PASS
Band4	15	20325	36	#Max	16QAM	20.25	-0.8	19.45	30	PASS
Band4	15	20325	75	#0	16QAM	20.37	-0.8	19.57	30	PASS
Band4	20	20050	1	#0	QPSK	21.91	-0.8	21.11	30	PASS
Band4	20	20050	1	#Mid	QPSK	22.54	-0.8	21.74	30	PASS
Band4	20	20050	1	#Max	QPSK	22.35	-0.8	21.55	30	PASS
Band4	20	20050	50	#0	QPSK	21.14	-0.8	20.34	30	PASS
Band4	20	20050	50	#Mid	QPSK	21.42	-0.8	20.62	30	PASS
Band4	20	20050	50	#Max	QPSK	21.60	-0.8	20.80	30	PASS
Band4	20	20050	100	#0	QPSK	21.42	-0.8	20.62	30	PASS
Band4	20	20050	1	#0	16QAM	21.20	-0.8	20.40	30	PASS
Band4	20	20050	1	#Mid	16QAM	21.77	-0.8	20.97	30	PASS
Band4	20	20050	1	#Max	16QAM	21.61	-0.8	20.81	30	PASS
Band4	20	20050	50	#0	16QAM	20.15	-0.8	19.35	30	PASS
Band4	20	20050	50	#Mid	16QAM	20.46	-0.8	19.66	30	PASS
Band4	20	20050	50	#Max	16QAM	20.58	-0.8	19.78	30	PASS
Band4	20	20050	100	#0	16QAM	20.44	-0.8	19.64	30	PASS
Band4	20	20175	1	#0	QPSK	22.10	-0.8	21.30	30	PASS
Band4	20	20175	1	#Mid	QPSK	22.65	-0.8	21.85	30	PASS
Band4	20	20175	1	#Max	QPSK	22.08	-0.8	21.28	30	PASS
Band4	20	20175	50	#0	QPSK	21.49	-0.8	20.69	30	PASS
Band4	20	20175	50	#Mid	QPSK	21.58	-0.8	20.78	30	PASS
Band4	20	20175	50	#Max	QPSK	21.47	-0.8	20.67	30	PASS
Band4	20	20175	100	#0	QPSK	21.49	-0.8	20.69	30	PASS
Band4	20	20175	1	#0	16QAM	21.45	-0.8	20.65	30	PASS
Band4	20	20175	1	#Mid	16QAM	21.95	-0.8	21.15	30	PASS
Band4	20	20175	1	#Max	16QAM	21.44	-0.8	20.64	30	PASS
Band4	20	20175	50	#0	16QAM	20.55	-0.8	19.75	30	PASS
Band4	20	20175	50	#Mid	16QAM	20.65	-0.8	19.85	30	PASS
Band4	20	20175	50	#Max	16QAM	20.54	-0.8	19.74	30	PASS
Band4	20	20175	100	#0	16QAM	20.52	-0.8	19.72	30	PASS
Band4	20	20300	1	#0	QPSK	22.08	-0.8	21.28	30	PASS
Band4	20	20300	1	#Mid	QPSK	22.39	-0.8	21.59	30	PASS
Band4	20	20300	1	#Max	QPSK	21.97	-0.8	21.17	30	PASS
Band4	20	20300	50	#0	QPSK	21.46	-0.8	20.66	30	PASS
Band4	20	20300	50	#Mid	QPSK	21.40	-0.8	20.60	30	PASS
Band4	20	20300	50	#Max	QPSK	21.22	-0.8	20.42	30	PASS
Band4	20	20300	100	#0	QPSK	21.36	-0.8	20.56	30	PASS
Band4	20	20300	1	#0	16QAM	21.50	-0.8	20.70	30	PASS
Band4	20	20300	1	#Mid	16QAM	21.82	-0.8	21.02	30	PASS
Band4	20	20300	1	#Max	16QAM	21.42	-0.8	20.62	30	PASS
Band4	20	20300	50	#0	16QAM	20.54	-0.8	19.74	30	PASS
Band4	20	20300	50	#Mid	16QAM	20.46	-0.8	19.66	30	PASS
Band4	20	20300	50	#Max	16QAM	20.28	-0.8	19.48	30	PASS
Band4	20	20300	100	#0	16QAM	20.38	-0.8	19.58	30	PASS

Frequency stability

LTE Band 2 (QPSK) / 1880MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.64	0.002	2.5ppm	PASS
40		4.05	0.002		
30		-4.08	-0.002		
20		-9.43	-0.005		
10		4.07	0.002		
0		-4.06	-0.002		
-10		4.08	0.002		
-20		-3.89	-0.002		
-30		-3.98	-0.002		
20	Maximum Voltage	-6.04	-0.003		
20	BEP	-5.56	-0.003		

LTE Band 2 (16QAM) / 1880MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.09	0.002	2.5ppm	PASS
40		-3.12	-0.002		
30		-2.94	-0.002		
20		-7.64	-0.004		
10		2.84	0.002		
0		-3.07	-0.002		
-10		-3.19	-0.002		
-20		3.19	0.002		
-30		-3.27	-0.002		
20	Maximum Voltage	-4.28	-0.002		
20	BEP	1.49	0.001		

LTE Band 4 (QPSK) / 1733MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	1.14	0.001	2.5ppm	PASS
40		-1.55	-0.001		
30		-1.59	-0.001		
20		-4.26	-0.002		
10		1.07	0.001		
0		-1.35	-0.001		
-10		-1.57	-0.001		
-20		-1.58	-0.001		
-30		1.08	0.001		
20	Maximum Voltage	-1.70	-0.001		
20	BEP	-1.56	-0.001		

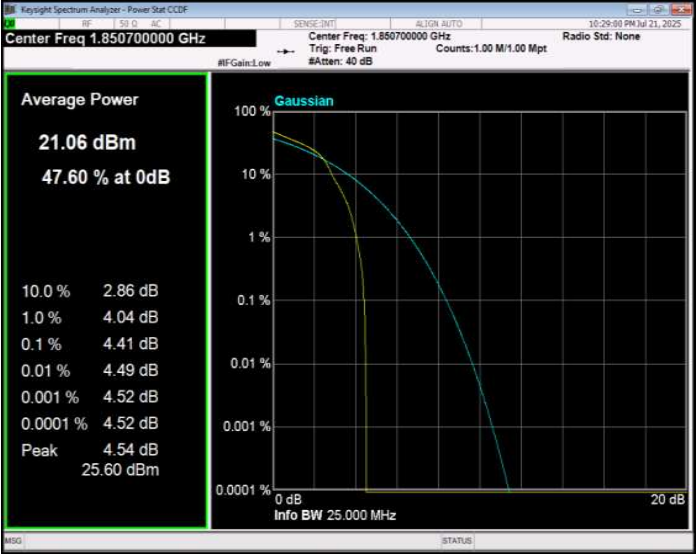
LTE Band 4 (16QAM) / 1733MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	2.29	0.001	2.5ppm	PASS
40		2.62	0.002		
30		2.57	0.001		
20		-6.42	-0.004		
10		2.61	0.002		
0		2.53	0.001		
-10		-2.57	-0.001		
-20		-2.66	-0.002		
-30		-2.18	-0.001		
20	Maximum Voltage	1.10	0.001		
20	BEP	1.13	0.001		

Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18607	1	#0	QPSK	3.48	13	PASS
Band2	1.4	18607	1	#0	16QAM	4.41	13	PASS
Band2	1.4	18900	1	#0	QPSK	4.35	13	PASS
Band2	1.4	18900	1	#0	16QAM	5.20	13	PASS
Band2	1.4	19193	1	#0	QPSK	4.19	13	PASS
Band2	1.4	19193	1	#0	16QAM	4.98	13	PASS
Band2	3	18615	1	#0	QPSK	3.32	13	PASS
Band2	3	18615	1	#0	16QAM	4.13	13	PASS
Band2	3	18900	1	#0	QPSK	4.32	13	PASS
Band2	3	18900	1	#0	16QAM	5.08	13	PASS
Band2	3	19185	1	#0	QPSK	4.59	13	PASS
Band2	3	19185	1	#0	16QAM	5.38	13	PASS
Band2	5	18625	1	#0	QPSK	3.53	13	PASS
Band2	5	18625	1	#0	16QAM	4.26	13	PASS
Band2	5	18900	1	#0	QPSK	4.77	13	PASS
Band2	5	18900	1	#0	16QAM	5.21	13	PASS
Band2	5	19175	1	#0	QPSK	4.89	13	PASS
Band2	5	19175	1	#0	16QAM	5.33	13	PASS
Band2	10	18650	1	#0	QPSK	3.36	13	PASS
Band2	10	18650	1	#0	16QAM	4.19	13	PASS
Band2	10	18900	1	#0	QPSK	5.06	13	PASS
Band2	10	18900	1	#0	16QAM	5.74	13	PASS
Band2	10	19150	1	#0	QPSK	5.43	13	PASS
Band2	10	19150	1	#0	16QAM	6.30	13	PASS
Band2	15	18675	1	#0	QPSK	3.47	13	PASS
Band2	15	18675	1	#0	16QAM	4.40	13	PASS
Band2	15	18900	1	#0	QPSK	5.43	13	PASS
Band2	15	18900	1	#0	16QAM	6.34	13	PASS
Band2	15	19125	1	#0	QPSK	5.31	13	PASS
Band2	15	19125	1	#0	16QAM	5.91	13	PASS
Band2	20	18700	1	#0	QPSK	3.58	13	PASS
Band2	20	18700	1	#0	16QAM	4.46	13	PASS
Band2	20	18900	1	#0	QPSK	5.77	13	PASS
Band2	20	18900	1	#0	16QAM	6.88	13	PASS
Band2	20	19100	1	#0	QPSK	5.17	13	PASS
Band2	20	19100	1	#0	16QAM	5.79	13	PASS
Band4	1.4	19957	1	#0	QPSK	5.26	13	PASS
Band4	1.4	19957	1	#0	16QAM	6.08	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.72	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.66	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.23	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.84	13	PASS
Band4	3	19965	1	#0	QPSK	5.11	13	PASS
Band4	3	19965	1	#0	16QAM	5.94	13	PASS
Band4	3	20175	1	#0	QPSK	4.66	13	PASS
Band4	3	20175	1	#0	16QAM	5.52	13	PASS
Band4	3	20385	1	#0	QPSK	5.29	13	PASS
Band4	3	20385	1	#0	16QAM	5.71	13	PASS
Band4	5	19975	1	#0	QPSK	5.39	13	PASS
Band4	5	19975	1	#0	16QAM	5.90	13	PASS
Band4	5	20175	1	#0	QPSK	4.66	13	PASS
Band4	5	20175	1	#0	16QAM	5.20	13	PASS
Band4	5	20375	1	#0	QPSK	5.38	13	PASS
Band4	5	20375	1	#0	16QAM	5.99	13	PASS
Band4	10	20000	1	#0	QPSK	4.93	13	PASS
Band4	10	20000	1	#0	16QAM	5.60	13	PASS
Band4	10	20175	1	#0	QPSK	4.66	13	PASS
Band4	10	20175	1	#0	16QAM	5.54	13	PASS
Band4	10	20350	1	#0	QPSK	5.18	13	PASS
Band4	10	20350	1	#0	16QAM	6.10	13	PASS
Band4	15	20025	1	#0	QPSK	5.20	13	PASS
Band4	15	20025	1	#0	16QAM	6.08	13	PASS
Band4	15	20175	1	#0	QPSK	4.63	13	PASS
Band4	15	20175	1	#0	16QAM	5.67	13	PASS

Band4	15	20325	1	#0	QPSK	4.94	13	PASS
Band4	15	20325	1	#0	16QAM	5.57	13	PASS
Band4	20	20050	1	#0	QPSK	5.15	13	PASS
Band4	20	20050	1	#0	16QAM	5.67	13	PASS
Band4	20	20175	1	#0	QPSK	4.82	13	PASS
Band4	20	20175	1	#0	16QAM	5.44	13	PASS
Band4	20	20300	1	#0	QPSK	5.02	13	PASS
Band4	20	20300	1	#0	16QAM	6.08	13	PASS

Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0



Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0



Band2 16QAM BW=10MHz Channel=18650 RB Size=1 Position=#0



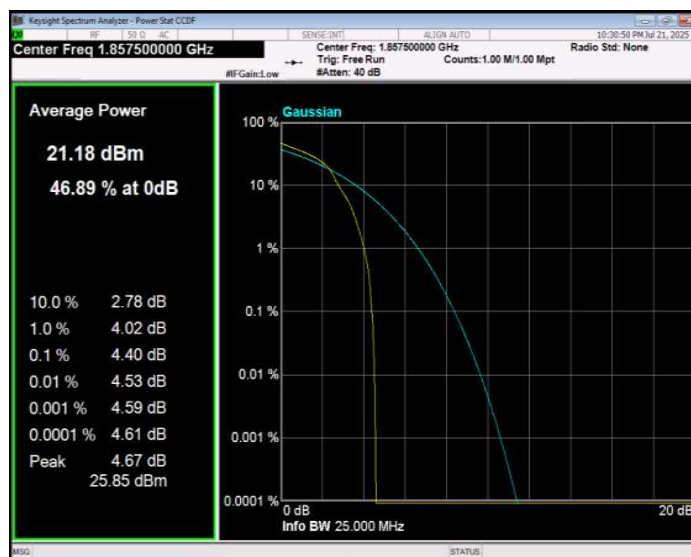
Band2 16QAM BW=10MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=10MHz Channel=19150 RB Size=1 Position=#0



Band2 16QAM BW=15MHz Channel=18675 RB Size=1 Position=#0



Band2 16QAM BW=15MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=15MHz Channel=19125 RB Size=1 Position=#0



Band2 16QAM BW=20MHz Channel=18700 RB Size=1 Position=#0



Band2 16QAM BW=20MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0



Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0



Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0



Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0



Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



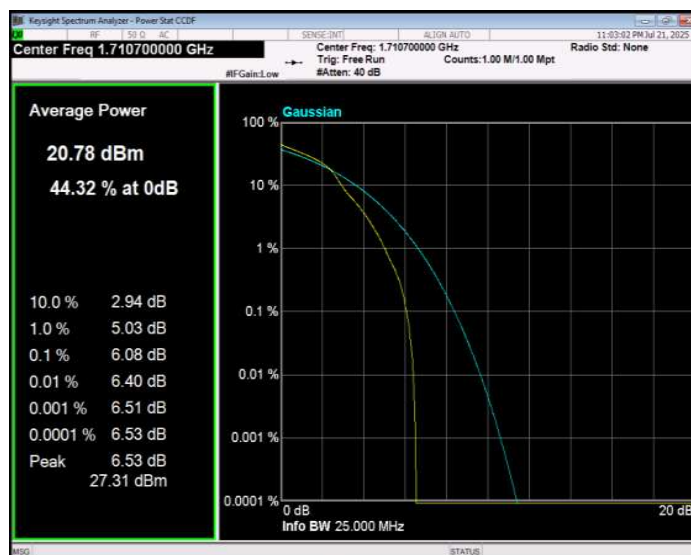
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



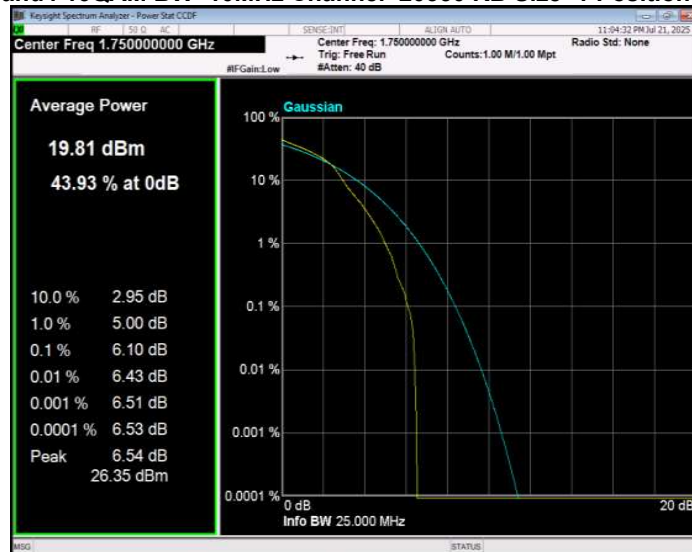
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QPSK	1.099	1.294	PASS
Band2	1.4	18607	6	#0	16QAM	1.096	1.295	PASS
Band2	1.4	18900	6	#0	QPSK	1.091	1.297	PASS
Band2	1.4	18900	6	#0	16QAM	1.090	1.278	PASS
Band2	1.4	19193	6	#0	QPSK	1.102	1.280	PASS
Band2	1.4	19193	6	#0	16QAM	1.100	1.277	PASS
Band2	3	18615	15	#0	QPSK	2.701	2.998	PASS
Band2	3	18615	15	#0	16QAM	2.683	2.944	PASS
Band2	3	18900	15	#0	QPSK	2.685	2.913	PASS
Band2	3	18900	15	#0	16QAM	2.686	2.912	PASS
Band2	3	19185	15	#0	QPSK	2.694	2.905	PASS
Band2	3	19185	15	#0	16QAM	2.697	2.920	PASS
Band2	5	18625	25	#0	QPSK	4.505	4.895	PASS
Band2	5	18625	25	#0	16QAM	4.514	4.936	PASS
Band2	5	18900	25	#0	QPSK	4.493	4.882	PASS
Band2	5	18900	25	#0	16QAM	4.500	4.861	PASS
Band2	5	19175	25	#0	QPSK	4.515	4.909	PASS
Band2	5	19175	25	#0	16QAM	4.505	4.868	PASS
Band2	10	18650	50	#0	QPSK	8.996	10.761	PASS
Band2	10	18650	50	#0	16QAM	9.003	9.728	PASS
Band2	10	18900	50	#0	QPSK	8.992	9.666	PASS
Band2	10	18900	50	#0	16QAM	8.980	9.591	PASS
Band2	10	19150	50	#0	QPSK	8.970	9.626	PASS
Band2	10	19150	50	#0	16QAM	8.974	9.729	PASS
Band2	15	18675	75	#0	QPSK	13.398	14.399	PASS
Band2	15	18675	75	#0	16QAM	13.417	14.414	PASS
Band2	15	18900	75	#0	QPSK	13.472	14.443	PASS
Band2	15	18900	75	#0	16QAM	13.433	14.505	PASS
Band2	15	19125	75	#0	QPSK	13.466	14.618	PASS
Band2	15	19125	75	#0	16QAM	13.471	14.362	PASS
Band2	20	18700	100	#0	QPSK	17.941	19.352	PASS
Band2	20	18700	100	#0	16QAM	17.960	19.346	PASS
Band2	20	18900	100	#0	QPSK	17.910	19.216	PASS
Band2	20	18900	100	#0	16QAM	17.902	19.238	PASS
Band2	20	19100	100	#0	QPSK	18.001	19.204	PASS
Band2	20	19100	100	#0	16QAM	17.991	19.398	PASS
Band4	1.4	19957	6	#0	QPSK	1.093	1.291	PASS
Band4	1.4	19957	6	#0	16QAM	1.089	1.277	PASS
Band4	1.4	20175	6	#0	QPSK	1.089	1.272	PASS
Band4	1.4	20175	6	#0	16QAM	1.092	1.305	PASS
Band4	1.4	20393	6	#0	QPSK	1.091	1.278	PASS
Band4	1.4	20393	6	#0	16QAM	1.096	1.309	PASS
Band4	3	19965	15	#0	QPSK	2.692	2.914	PASS
Band4	3	19965	15	#0	16QAM	2.690	2.909	PASS
Band4	3	20175	15	#0	QPSK	2.697	2.925	PASS
Band4	3	20175	15	#0	16QAM	2.688	2.903	PASS
Band4	3	20385	15	#0	QPSK	2.698	2.933	PASS
Band4	3	20385	15	#0	16QAM	2.689	2.918	PASS
Band4	5	19975	25	#0	QPSK	4.502	4.942	PASS
Band4	5	19975	25	#0	16QAM	4.508	4.874	PASS
Band4	5	20175	25	#0	QPSK	4.522	4.904	PASS
Band4	5	20175	25	#0	16QAM	4.507	4.933	PASS
Band4	5	20375	25	#0	QPSK	4.515	4.879	PASS
Band4	5	20375	25	#0	16QAM	4.508	4.917	PASS
Band4	10	20000	50	#0	QPSK	9.004	9.710	PASS
Band4	10	20000	50	#0	16QAM	8.975	9.640	PASS
Band4	10	20175	50	#0	QPSK	8.982	9.693	PASS
Band4	10	20175	50	#0	16QAM	9.002	9.657	PASS
Band4	10	20350	50	#0	QPSK	9.007	9.712	PASS
Band4	10	20350	50	#0	16QAM	9.014	9.724	PASS
Band4	15	20025	75	#0	QPSK	13.492	14.660	PASS
Band4	15	20025	75	#0	16QAM	13.491	14.428	PASS
Band4	15	20175	75	#0	QPSK	13.502	14.553	PASS
Band4	15	20175	75	#0	16QAM	13.450	14.525	PASS