

# RF TEST REPORT

Product Name: Smartphone

Model Name: VORTEX HD68

FCC ID: 2ADLJ-HD68

Issued For : Xwireless LLC.

11565 Old Georgetown Road, Rockville, MD, USA

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: LGT23L113RF07

Sample Received Date: Dec. 27, 2023

Date of Test: Dec. 27, 2023 – Jan. 23, 2024

Date of Issue: Jan. 23, 2024

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# **TEST REPORT CERTIFICATION**

**Applicant:** Xwireless LLC.

Address: 11565 Old Georgetown Road, Rockville, MD, USA

Manufacturer: Xwireless LLC.

Address: 11565 Old Georgetown Road, Rockville, MD, USA

Product Name: Smartphone

Trademark: VORTEX

Model Name: VORTEX HD68

Sample Status: Normal

APPLICABLE STANDARDS										
STANDARD	TEST RESULTS									
FCC Part 22H and 24E, 27 KDB 971168 D01 v03r01, ANSI C63.26(2015)	PASS									

Prepared by:

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Zane Shan

Engineer

Approved by:

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**Technical Director** 

Report No.: LGT23L113RF07 Page 2 of 518

Table of Contents	Page
1. TEST FACTORY & MEASUREMENT UNCERTAINTY	5
2. GENERAL INFORMATION	6
3. CONDUCTED OUTPUT POWER	14
4. PEAK-TO-AVERAGE RATIO	15
5. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER	16
6. OCCUPIED BANDWIDTH	18
7. CONDUCTED BAND EDGE	19
8. CONDUCTED SPURIOUS EMISSION	21
9. RADIATED SPURIOUS EMISSION	22
10. FREQUENCY STABILITY	24
APPENDIX I-PHOTOS OF TEST SETUP	25
APPENDIX II-TEST DATA	25
CONDUCTED OUTPUT POWER	25
FREQUENCY STABILITY	66
PEAK-TO-AVERAGE RATIO	78
OCCUPIED BANDWIDTH	181
BAND EDGE	284
OUT-OF-BAND EMISSIONS	361
RADIATED SPURIOUS EMISSION	468

Report No.: LGT23L113RF07 Page 3 of 518

# **Revision History**

Rev.	Issue Date	Contents
00	Jan. 23, 2024	Initial Issue

Report No.: LGT23L113RF07 Page 4 of 518

# 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
	A2LA Certificate No.: 6727.01
Accreditation Certificate	FCC Registration No.: 746540
	CAB ID: CN0136

# 1.2 MEASUREMENT UNCERTAINTY

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

Parameter	Uncertainty
Occupied Channel Bandwidth	±3.2 %
RF Output Power, Conducted	±0.87dB
Power Spectral Density, Conducted	±2.11 dB
Unwanted Emission, Conducted	±0.86dB
All Emissions, Radiated (Below 1GHz)	±3.54dB
All Emissions, Radiated (1GHz-18GHz)	±4.22dB
All Emissions, Radiated (18GHz-25GHz)	±4.81dB
Temperature	±0.5°C
Humidity	±2%

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

Report No.: LGT23L113RF07 Page 5 of 518

# 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:	Smart phone						
Trademark:	8849, Unihertz						
Model Name:	TANK MINI 1						
Series Model:	N/A						
Model Difference:	N/A						
	U.S. Bands:						
	LTE FDD Band 2						
	LTE FDD Band 4						
	LTE FDD Band 5						
	LTE FDD Band 12						
Fraguency Panda:	LTE FDD Band 13						
Frequency Bands:	LTE FDD Band 17						
	LTE FDD Band 25						
	LTE FDD Band 26						
	LTE TDD Band 41						
	LTE FDD Band 66						
	LTE FDD Band 71						
SIM Card:	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is						
Silvi Card.	used to tested.						
Antenna:	FPC						
	Band 2: 0.16dBi, Band 4:0.39dBi, Band 5:-2.6dBi, Band 12:-2.98dBi,						
Antenna gain:	Band 13:-2.98dBi, Band 17:-2.98dBi, Band 25: 0.16dBi, Band						
	26:-2.6dBi, Band 41: -0.39dBi, Band 66:0.39dBi, Band 71:-3.25dBi						
Adapter:	Input: 100~240V, 50/60Hz, 0.3A						
•	Output: 5V, 2A, 10W						
Battery:	Rated Voltage: 3.85V						
Extreme Vol. Limits:	3.4V to 4.35V (Nominal 3.85V)						
Extreme Temp. Tolerance:	-0℃ to +40℃						
Hardware Version:	S81D_V2.0X						
Software Version:	N/A						

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

Report No.: LGT23L113RF07 Page 6 of 518

# 2.1.2 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Pro	duct Specification Subjective To This Standard								
	LTE Band 2:1850~1910MHz								
	LTE Band 4:1710~1755MHz								
	LTE Band 5: 824~849MHz								
	LTE Band 12: 699-716MHz								
	LTE Band 13: 777-787MHz								
Ty Fragueray	LTE Band 17:704~716MHz								
Tx Frequency	LTE Band 25: 1850-1915MHz								
	LTE Band 26: 814-824MHz								
	LTE Band 26: 824-849MHz								
	LTE Band 41: 2535-2675MHz								
	LTE Band 66: 1710-1780MHz								
	LTE Band 71: 663-698MHz								
	LTE Band 2: 1930-1990MHz								
	LTE Band 4: 2110-2155MHz								
	LTE Band 5: 869-894MHz								
	LTE Band 12: 729-746MHz								
	LTE Band 13: 746-756MHz								
Rx Frequency	LTE Band 17: 734-746MHz								
TXTTEQUETCY	LTE Band 25: 1930-1995MHz								
	LTE Band 26: 859-869MHz								
	LTE Band 26: 869-894MHz								
	LTE Band 41: 2535-2675MHz								
	LTE Band 66: 2110-2200MHz								
	LTE Band 71: 617-652MHz								
	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz								
	LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz								
	LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz								
	LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz								
	LTE Band 13: 5MHz / 10MHz								
Bandwidth	LTE Band 17: 5MHz / 10MHz								
	LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz								
	LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz/15MHz								
	LTE Band 41: 5MHz / 10MHz / 15MHz /20MHz								
	LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz								
	LTE Band 71: 5MHz / 10MHz / 15MHz /20MHz								
Type of Modulation	QPSK /16QAM								

Report No.: LGT23L113RF07 Page 7 of 518

# 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 tofind 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	E	Band	dwic	dth (N	ИHz	)	Modul	lation		RB#		С	Test hann	
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	اــا	М	Н
	2	٧	٧	٧	٧	٧	٧	V	V	٧	V	٧	٧	V	V
	4	٧	٧	٧	٧	٧	٧	V	V	٧	V	٧	٧	V	V
	5	٧	٧	٧	٧			V	V	٧	V	٧	٧	V	V
	12	٧	٧	٧	٧			V	V	٧	V	٧	٧	V	V
	13			٧	٧			V	V	٧	V	V		V	
Max. Output	17			<b>V</b>	٧			٧	V	٧	٧	٧	>	٧	V
Power	25	٧	٧	٧	٧	٧	٧	V	V	٧	V	V	٧	V	V
	26	٧	٧	٧	٧	٧		V	V	٧	٧	٧	٧	٧	٧
	41			٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	66	٧	٧	٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	71			٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	2						<b>V</b>	V	V	٧		٧	٧	٧	٧
	4						<b>V</b>	V	V	٧		٧	٧	٧	٧
	5				٧			V	V	٧		٧	٧	٧	٧
	12				٧			V	V	٧		٧	٧	٧	٧
	13				٧			V	V	٧		٧		٧	
Peak&Avera	17				٧			V	V	٧		٧	٧	٧	V
Ratio	25						٧	٧	V	٧		٧	٧	٧	٧
	26					٧		V	V	٧		٧	٧	٧	٧
	41						٧	V	V	٧		٧	٧	٧	٧
	66						٧	V	V	٧		٧	٧	٧	٧
	71						٧	V	V	٧		٧	٧	٧	٧

Report No.: LGT23L113RF07 Page 8 of 518

	2	٧	V	٧	٧	٧	٧	V	V		V	٧	V	٧
	4	٧	V	٧	V	٧	V	V	V		V	٧	V	V
	5	٧	٧	٧	٧			V	V		V	٧	V	V
	12	٧	٧	٧	٧			V	V		V	٧	V	V
	13			٧	٧			V	V		V		V	
26dB&99%	17			٧	٧			V	V		V	٧	V	V
Bandwidth	25	٧	٧	٧	V	٧	٧	V	٧		V	V	٧	٧
	26	٧	٧	٧	٧	٧		V	٧		V	٧	٧	٧
	41			٧	٧	٧	٧	٧	V		V	٧	V	٧
	66	V	٧	٧	٧	٧	V	V	V		V	٧	V	٧
	71			٧	٧	٧	V	V	V		V	٧	V	٧
	2	٧	٧	٧	٧	٧	٧	V	V	V	V	٧	٧	٧
	4	V	٧	٧	٧	٧	V	V	V	V	V	V	V	V
	5	V	٧	٧	٧			V	V	V	V	V	V	V
	12	٧	٧	٧	٧			V	V	V	V	٧	٧	٧
	13			٧	٧			٧	V	V	V		V	
Conducted Band Edge	17			٧	٧			٧	V	V	٧	٧	V	٧
Dana Luge	25	٧	٧	٧	٧	٧	٧	٧	V	V	٧	٧	V	٧
	26	٧	٧	٧	٧	٧		٧	V	V	V	٧	V	٧
	41			٧	٧	٧	٧	٧	V	V	V	٧	V	٧
	66	٧	٧	٧	٧	٧	V	٧	V	V	V	٧	V	٧
	71			٧	٧	٧	٧	٧	V	V	V	٧	٧	٧
	2	٧	٧	٧	٧	٧	٧	٧	V	V		٧	٧	٧
	4	٧	٧	٧	٧	٧	٧	٧	V	V		٧	٧	٧
	5	٧	٧	٧	٧			٧	V	V		٧	٧	٧
	12	٧	٧	٧	٧			V	V	V		٧	V	V
Conducted	13			٧	٧			٧	V	V			٧	
Spurious	17			٧	٧			V	V	٧		٧	V	٧
Emission	25	٧	٧	٧	٧	٧	٧	V	V	٧		٧	٧	٧
	26	٧	٧	٧	٧	٧		V	V	٧		٧	V	٧
	41			٧	٧	٧	٧	V	V	٧		٧	٧	٧
	66	٧	٧	٧	٧	٧	٧	V	V	٧		٧	٧	٧
	71			٧	٧			V	V	٧		٧	V	٧

	2				.,			\/				.,			
					V			V				V		V	
	4				V			V				V		V	
	5				V			V				V		V	
	12				V			V				V		V	
	13				V			V				V		V	
Frequency	17				٧			V				٧		V	
Stability	25				٧			V				V		V	
	26				٧			V				V		V	
	41				٧			V				٧		V	
	66				٧			V				V		V	
	71				٧			V				V		V	
	2	V	٧	٧	٧	٧	V	V	V	V	V	V	V	٧	V
	4	٧	٧	٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	5	٧	٧	٧	٧			٧	V	V	٧	٧	٧	V	٧
	12	V	٧	٧	٧			٧	V	V	V	٧	V	٧	٧
	13			٧	٧			٧	V	٧	٧	٧		V	
E.R.P.&	17			٧	٧			٧	V	٧	٧	٧	V	٧	V
E.I.R.P.	25	٧	٧	٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	26	٧	٧	٧	٧	٧		٧	V	V	٧	٧	٧	V	٧
	41			٧	٧	٧	٧	٧	V	V	V	٧	V	V	٧
	66	٧	٧	٧	٧	٧	٧	٧	V	V	V	٧	٧	٧	٧
	71			٧	٧	٧	٧	٧	V	V	V	V	V	V	V
	2	٧	٧	٧	٧	٧	٧	٧		V			٧	٧	٧
	4	٧	٧	٧	٧	٧	٧	٧		V			٧	V	٧
	5	٧	٧	٧	٧			٧		V			V	V	٧
	12	٧	٧	٧	٧			V		٧			٧	٧	٧
Radiated	13			٧	٧			٧		V				V	
Spurious	17			٧	٧			٧		V			V	V	V
Emission	25	٧	٧	٧	٧	٧	٧	٧		V			٧	٧	٧
	26	٧	٧	٧	٧	٧		٧		V			٧	٧	٧
	41			٧	٧	٧	٧	V		V			٧	٧	٧
	66	٧	٧	٧	٧	٧	٧	٧		٧			٧	٧	٧
	71			٧	٧	٧	٧	٧		V			٧	٧	٧

# 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, 22H, 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.

Report No.: LGT23L113RF07 Page 11 of 518

# 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.

E-1 EUT

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 <sup>®</sup> Length <sup>®</sup> column.
- (2) "YES" is means "with core"; "NO" is means "without core".

Report No.: LGT23L113RF07 Page 12 of 518

# 2.1.9MEASUREMENT 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.

Radiation Test equipment													
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until								
EMI Test Receiver	R&S	ESU	100372	2023.04.13	2024.04.12								
Spectrum Analyzer	Keysight	N9010B	MY60242508	2023.08.14	2024.08.13								
Active loop Antenna	ETS	6502	00049544	2022.06.02	2025.06.01								
Bilog Antenna	SCHWARZBECK	VULB 9168	01447	2022.12.12	2025.12.11								
Horn Antenna	SCHWARZBECK	3115	10SL0060	2022.06.02	2025.06.01								
Pre-amplifier (9kHz-1GHz)	EMtrace	RP01A	02017	2023.04.07	2024.04.06								
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2023.04.07	2024.04.06								
RE Cable (9K-1G)	N.A	R01	N.A	2023.04.07	2024.04.06								
RE Cable (1-26G)	N.A	R02	N.A	2023.04.07	2024.04.06								
Temperature & Humidity	KTJ	TA218B	N.A	2023.04.24	2024.04.23								
Testing Software	EMC-I_V1.4.0.3_SKET												

RF Connected Test equi	RF Connected Test equipment												
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until								
Signal Generator	Keysight	N5182B	MY59100717	2023.04.07	2024.04.06								
Signal Analyzer	Keysight	N9010B	MY60242508	2023.08.14	2024.08.13								
Wireless Communications Test Set	R&S	CMW 500	137737	2023.04.13	2024.04.12								
Temperature & Humidity	KTJ	TA218B	N/A	2023.04.24	2024.04.23								
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2023.08.14	2024.08.13								
Attenuator	eastsheep	90db	N/A	2023.04.10	2024.04.09								
Testing Software	vare MTS 8310_2.0.0.0_MWRF-TEST												

Report No.: LGT23L113RF07 Page 13 of 518

# 3. CONDUCTED OUTPUT POWER

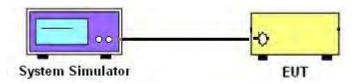
# 3.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

### 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

Report No.: LGT23L113RF07 Page 14 of 518

# 4. PEAK-TO-AVERAGE RATIO

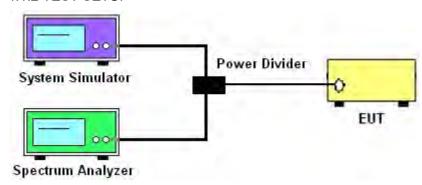
### 4.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

### 4.1.1 MEASUREMENT METHOD

Use one of the procedures presented in 4.1.3 to measure the total peak power and record as PPk. Use one of the applicable procedures presented 4.1.3 to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

PAPR(dB) = PPk(dBm) - PAvg(dBm).

### 4.1.2 TEST SETUP



### 4.1.3 TEST PROCEDURES

- 1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.7 and ANSI C63.26 2015 Section 5.2.6.
- 2. The EUT was connected to spectrum and system simulator via a power divider
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Set the test probe and measure the peak and average power of the spectrum analyzer
- 5. Record the deviation as Peak to Average Ratio.

		LTE									
LTE BW	1.4M	3M	5M	10M	15M	20M					
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz					
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz					
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz					
Detector	PK/AVG	PK/AVG	PK/AVG	PK/AVG	PK/AVG	PK/AVG					
Trace	Max	Max	Max	Max	Max	Max					
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto					

### 4.1.4 TEST RESULTS

Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 15 of 518

### 5. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

### 5.1 DESCRIPTION OF THE ERP/EIRP MEASUREMENT

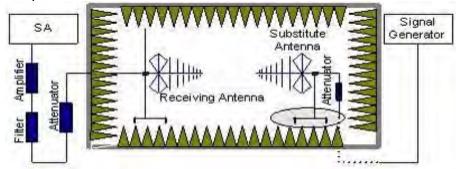
### 5.1.1 MEASUREMENT METHOD

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.

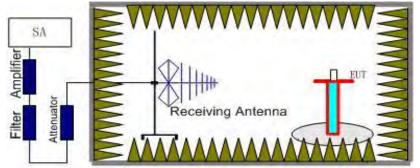
### 5.1.2 TEST SETUP

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 ( dBuV ) +CL ( dB ) +SA ( dB ) +Gain ( dBi ) -107 ( 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: Power=PMea+ARpl

Report No.: LGT23L113RF07 Page 16 of 518

### 5.1.3 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 EUTtransmitting 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 Level+ Gain-Cable loss; ERP=S.G Level+ Gain-Cable loss-2.15.
- 5. RB Set greater than bandwidth, VB Set spectrum analyzer Maximum support.

### 5.1.4 TEST RESULTS

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

Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 17 of 518

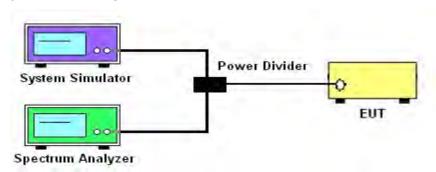
# 6. OCCUPIED BANDWIDTH

### 6.1 DESCRIPTION OF OCCUPIED BANDWIDTH MEASUREMENT

### 6.1.1 MEASUREMENT METHOD

- 1.The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.
- 2.The 26 db emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 db below the maximum in-band spectral density of the modulated signal. spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

### 6.1.2 TEST SETUP



### 6.1.3 TEST PROCEDURES

- 1. The testing follows FCC KDB 971168 D01 v03r01 Section 4.2 and 4.3.
- 2. The EUT was connected to spectrum and system simulator via a power divider.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Set the test probe and measure the Occupied Bandwidth of the spectrum analyzer.
- 5. Measure and record the Occupied Bandwidth from the Spectrum Analyzer.

		LTE									
LTE BW	1.4M	3M	5M	10M	15M	20M					
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz					
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz					
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz					
Detector	PK	PK	PK	PK	PK	PK					
Trace	Max	Max	Max	Max	Max	Max					
Sweep Count	Auto	Auto	Auto	Auto	Auto						

# 6.1.4 MEASUREMENT RESULT Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 18 of 518

### 7. CONDUCTED BAND EDGE

### 7.1 DESCRIPTION OF CONDUCTED BAND EDGE MEASUREMENT

### 7.1.1 MEASUREMENT METHOD

### 1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

### 2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

### 3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

# 4. §27.53(m)(4)

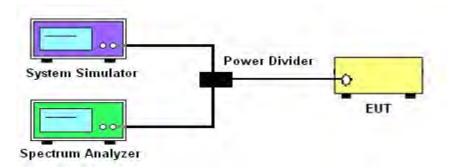
For operations in the 2500 MHz ~ 2570 MHz band this section, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (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 that 43 + 10 log (P) dB on all frequencies between 2490.5 MHzand 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licenseesoperating on frequencies below 2495 MHz may also submit a documented interference complaintagainst BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

# 5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Report No.: LGT23L113RF07 Page 19 of 518

### 7.1.2 TEST SETUP



### 7.1.3 TEST PROCEDURES

- 1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
- 2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 3. The band edges of low and high channels for the highest RF powers were measured. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
- 4. Set spectrum analyzer with RMS/AVG detector.
- 5. The RF fundamental frequency should be excluded against the limit line in the operating frquency band.
- 6. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
- = P(W)- [43 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [43 + 10log(P)] (dB)
- = -13dBm.

### Band 7:

- = P(W) [55 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [55 + 10log(P)] (dB)
- = -25dBm.

		LTE								
LTE BW	1.4M	1.4M 3M 5M 10M 15M								
Span	12MHz	13MHz	15MHz	20MHz	25MHz	30MHz				
RBW	30kHz	300kHz	300kHz							
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz				
Detector	RMS	RMS	RMS	RMS	RMS	RMS				
Trace	Max	Max	Max	Max	Max	Max				
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto				

### 7.1.4 MEASUREMENT RESULT

Note: Test chart See Appendix II

# 8. CONDUCTED SPURIOUS EMISSION

## 8.1 DESCRIPTION OF CONDUCTED SPURIOUS EMISSION MEASUREMENT

### 8.1.1 MEASUREMENT METHOD

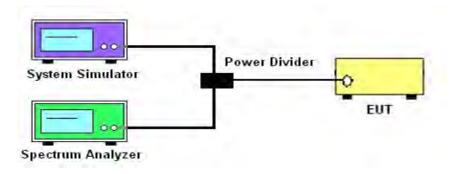
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

#### 8.1.2 TEST SETUP



### 8.1.3 TEST PROCEDURES

- 1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
- 2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement
- 4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
- 5. The RF fundamental frequency should be excluded against the limit line in the operating frquency band.
- 6. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
- = P(W) [43 + 10log(P)] (dB) = [30 + 10log(P)] (dBm) [43 + 10log(P)] (dB)
- = -13dBm.

For Band 7: P(W)- [43 + 10log(P)] (dB) =-25dBm

		LTE									
LTE BW	1.4M	1.4M 3M 5M 10M 15M 20									
Span	Auto	Auto	Auto	Auto	Auto	Auto					
RBW	1000kHz   1000kHz   1000kHz   1000kHz   1000kHz   100										
VBW	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz					
Detector	PK	PK	PK	PK	PK	PK					
Trace	Max	Max	Max	Max	Max	Max					

# 8.1.4 TEST RESULTS

Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 21 of 518

### 9. RADIATED SPURIOUS EMISSION

### 9.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

### 9.1.1 MEASUREMENT METHOD

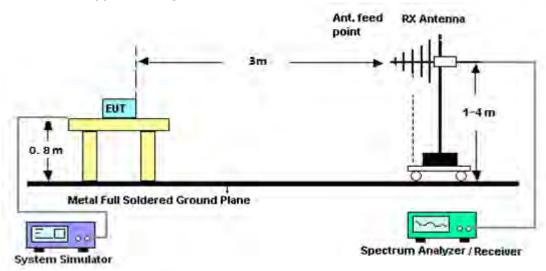
The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. For Band 7 The power of any emission outside of the authorized operating frequency ranges must 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.

### 9.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

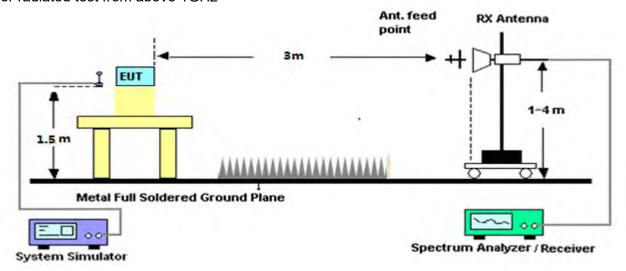
- a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, RSE=Rx( dBuV )+CL( dB )+SA( dB )+Gain( dBi )-107( dBuV to dBm )The SA is calibrated using following setup.
- b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive 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=PMea+ARpl For radiated test from 30MHz to 1GHz



Report No.: LGT23L113RF07 Page 22 of 518

### For radiated test from above 1GHz



### 9.1.3 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 + 10log(P)dB below the transmitter power P(Watts)

- = P(W)- [43 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [43 + 10log(P)] (dB)
- = -13dBm

# For Band 7:

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

- = [30 + 10log(P)] (dBm) [55 + 10log(P)] (dB)
- = -25dBm

PMea=S.G Level+ Ant-Cable loss; Margin=PMea-Limit.

### 9.1.4 TEST RESULTS

Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 23 of 518

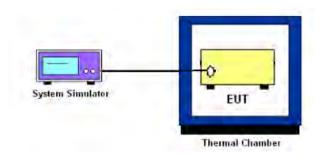
# 10. FREQUENCY STABILITY

# 10.1 DESCRIPTION OF FREQUENCY STABILITY MEASUREMENT

### 10.1.1 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 ±0.00025% (±2.5ppm) of the center frequency.

### 10.1.2 TEST SETUP



### 10.1.3 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.

## 10.1.4 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±5° C and connected with the system simlator.
- 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.

# 10.1.5 TEST RESULTS

Note: Test chart See Appendix II

Report No.: LGT23L113RF07 Page 24 of 518

# **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 (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	24.82	0.16	24.98	33.01	PASS
Band2	1.4	18607	1	#Mid	QPSK	24.97	0.16	25.13	33.01	PASS
Band2	1.4	18607	1	#Max	QPSK	24.95	0.16	25.11	33.01	PASS
Band2	1.4	18607	3	#0	QPSK	24.92	0.16	25.08	33.01	PASS
Band2	1.4	18607	3	#Mid	QPSK	24.83	0.16	24.99	33.01	PASS
Band2	1.4	18607	3	#Max	QPSK	24.85	0.16	25.01	33.01	PASS
Band2	1.4	18607	6	#0	QPSK	23.94	0.16	24.10	33.01	PASS
Band2	1.4	18607	1	#0	16QAM	24.12	0.16	24.28	33.01	PASS
Band2	1.4	18607	1	#Mid	16QAM	24.17	0.16	24.33	33.01	PASS
Band2	1.4	18607	1	#Max	16QAM	24.03	0.16	24.19	33.01	PASS
Band2	1.4	18607	3	#0	16QAM	24.28	0.16	24.44	33.01	PASS
Band2	1.4	18607	3	#Mid	16QAM	24.27	0.16	24.43	33.01	PASS
Band2	1.4	18607	3	#Max	16QAM	24.24	0.16	24.40	33.01	PASS
Band2	1.4	18607	6	#0	16QAM	23.08	0.16	23.24	33.01	PASS
Band2	1.4	18900	1	#0	QPSK	25.06	0.16	25.22	33.01	PASS
Band2	1.4	18900	1	#Mid	QPSK	25.02	0.16	25.18	33.01	PASS
Band2	1.4	18900	1	#Max	QPSK	25.02	0.16	25.18	33.01	PASS
Band2	1.4	18900	3	#0	QPSK	24.74	0.16	24.90	33.01	PASS
Band2	1.4	18900	3	#Mid	QPSK	24.79	0.16	24.95	33.01	PASS
Band2	1.4	18900	3	#Max	QPSK	24.84	0.16	25.00	33.01	PASS
Band2	1.4	18900	6	#0	QPSK	23.90	0.16	24.06	33.01	PASS
Band2	1.4	18900	1	#0	16QAM	24.09	0.16	24.25	33.01	PASS
Band2	1.4	18900	1	#Mid	16QAM	24.05	0.16	24.21	33.01	PASS
Band2	1.4	18900	1	#Max	16QAM	24.14	0.16	24.30	33.01	PASS
Band2	1.4	18900	3	#0	16QAM	23.96	0.16	24.12	33.01	PASS
Band2	1.4	18900	3	#Mid	16QAM	23.89	0.16	24.05	33.01	PASS
Band2	1.4	18900	3	#Max	16QAM	23.96	0.16	24.12	33.01	PASS
Band2	1.4	18900	6	#0	16QAM	22.86	0.16	23.02	33.01	PASS
Band2	1.4	19193	1	#0	QPSK	24.85	0.16	25.01	33.01	PASS
Band2	1.4	19193	1	#Mid	QPSK	24.86	0.16	25.02	33.01	PASS
Band2	1.4	19193	1	#Max	QPSK	24.89	0.16	25.05	33.01	PASS
Band2	1.4	19193	3	#0	QPSK	24.87	0.16	25.03	33.01	PASS
Band2	1.4	19193	3	#Mid	QPSK	24.89	0.16	25.05	33.01	PASS
Band2	1.4	19193	3	#Max	QPSK	24.93	0.16	25.09	33.01	PASS
Band2	1.4	19193	6	#0	QPSK	23.80	0.16	23.96	33.01	PASS
Band2	1.4	19193	1	#0	16QAM	23.96	0.16	24.12	33.01	PASS
Band2	1.4	19193	1	#Mid	16QAM	23.98	0.16	24.14	33.01	PASS
Band2	1.4	19193	1	#Max	16QAM	23.96	0.16	24.12	33.01	PASS
Band2	1.4	19193	3	#0	16QAM	23.89	0.16	24.05	33.01	PASS
Band2	1.4	19193	3	#Mid	16QAM	23.90	0.16	24.06	33.01	PASS
Band2	1.4	19193	3	#Max	16QAM	23.94	0.16	24.10	33.01	PASS
Band2	1.4	19193	6	#0	16QAM	23.12	0.16	23.28	33.01	PASS
Band2	3	18615	1	#0	QPSK	24.86	0.16	25.02	33.01	PASS
Band2	3	18615	1	#Mid	QPSK	24.88	0.16	25.04	33.01	PASS
Band2	3	18615	1	#Max	QPSK	24.84	0.16	25.00	33.01	PASS
Band2	3	18615	8	#0	QPSK	23.88	0.16	24.04	33.01	PASS
Band2	3	18615	8	#Mid	QPSK	23.81	0.16	23.97	33.01	PASS
Band2	3	18615	8	#Max	QPSK	23.81	0.16	23.97	33.01	PASS
Band2	3	18615	15	#0	QPSK	23.94	0.16	24.10	33.01	PASS

Report No.: LGT23L113RF07 Page 25 of 518

Band2   3											
Band2	Band2	3	18615	1	#0	16QAM	25.00	0.16	25.16	33.01	PASS
Band2   3	Band2		18615	1	#Mid	16QAM	24.96	0.16	25.12	33.01	PASS
Band2   3	Band2	3	18615	1	#Max	16QAM	24.97	0.16	25.13	33.01	PASS
Band2	Band2			8							
Bandz 3 18615 8 #Max 160AM 22.88 0.16 23.04 33.01 PASS Bandz 3 18900 1 #Mid 0PSK 24.70 0.16 24.86 33.01 PASS Bandz 3 18900 1 #Mid 0PSK 24.70 0.16 24.88 33.01 PASS Bandz 3 18900 1 #Mid 0PSK 24.73 0.16 24.88 33.01 PASS Bandz 3 18900 8 #Mid 0PSK 24.73 0.16 24.88 33.01 PASS Bandz 3 18900 8 #Mid 0PSK 23.84 0.16 24.00 33.01 PASS Bandz 3 18900 8 #Mid 0PSK 23.84 0.16 24.00 33.01 PASS Bandz 3 18900 8 #Mid 0PSK 23.84 0.16 24.00 33.01 PASS Bandz 3 18900 8 #Mid 0PSK 23.85 0.16 24.02 33.01 PASS Bandz 3 18900 15 #0 0PSK 23.85 0.16 23.98 33.01 PASS Bandz 3 18900 15 #0 0PSK 23.85 0.16 24.01 33.01 PASS Bandz 3 18900 1 #Mid 160AM 23.89 0.16 24.06 33.01 PASS Bandz 3 18900 1 #Mid 160AM 23.89 0.16 24.06 33.01 PASS Bandz 3 18900 1 #Mid 160AM 23.89 0.16 24.06 33.01 PASS Bandz 3 18900 1 #Mid 160AM 23.89 0.16 24.06 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18900 8 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18950 1 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18950 1 #Mid 160AM 22.93 0.16 23.09 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.89 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.89 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.89 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.89 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.97 0.16 25.13 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.97 0.16 25.13 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.99 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.97 0.16 25.13 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.97 0.16 25.13 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.99 0.16 23.02 33.01 PASS Bandz 3 18955 1 #Mid 0PSK 24.90 0.16 23.12 33.01 PASS Bandz 5 18625 1 #Mid 0PSK 24.91 0.16 23.12 33.01 PASS Bandz 5 18625 1 #Mid 0PSK 24.94 0.16 23.12 33.01 PASS Bandz 5 18625 1 #Mid 0PSK 24.94 0.16 23.12 33.01 PASS Bandz 5 18625 1 #Mid 0PSK 24.94 0.16				8							
Band2         3         18800         1         #0         OPSK         24 70         0.16         23.25         33.01         PASS           Band2         3         18900         1         #Mid         OPSK         24 70         0.16         24.88         33.01         PASS           Band2         3         18900         1         #Mid         OPSK         24.73         0.16         24.80         33.01         PASS           Band2         3         18900         8         #Mid         OPSK         23.84         0.16         24.00         33.01         PASS           Band2         3         18900         8         #Mid         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         3         18900         15         #0         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         3         18900         1         #Mid         160AM         23.95         0.16         24.06         33.01         PASS           Band2         3         18900         1         #Mid         160AM         22.99         0.16         24.06         33.01 <td></td>											
Band2         3         18900         1         #Mid         QPSK         24,70         0.16         24,86         33,01         PASS           Band2         3         18900         1         #Mid         QPSK         24,72         0.16         24,89         33,01         PASS           Band2         3         18900         8         #0         QPSK         23,84         0.16         24,90         33,01         PASS           Band2         3         18900         8         #Mid         QPSK         23,86         0.16         24,02         33,01         PASS           Band2         3         18900         1         #0         16QPSK         23,82         0.16         24,02         33,01         PASS           Band2         3         18900         1         #Mid         16QAM         23,89         0.16         24,05         33,01         PASS           Band2         3         18900         1         #Mid         16QAM         23,32         0.16         24,06         33,01         PASS           Band2         3         18900         8         #Mid         16QAM         22,93         0.16         23,02         30,01<											
Band2         3         18900         1         #Mid         OPSK         24,72         0.16         24,88         33,01         PASS           Band2         3         18900         8         #Mo         OPSK         23,84         0.16         24,00         33,01         PASS           Band2         3         18900         8         #Mid         OPSK         23,84         0.16         24,00         33,01         PASS           Band2         3         18900         8         #Mid         QPSK         23,86         0.16         24,00         33,01         PASS           Band2         3         18900         15         #0         QPSK         23,85         0.16         24,05         33,01         PASS           Band2         3         18900         1         #Mid         160AM         23,95         0.16         24,05         33,01         PASS           Band2         3         18900         1         #Mid         160AM         23,90         0.16         24,06         33,01         PASS           Band2         3         18900         8         #Mid         160AM         22,94         0.16         23,09         33,01<											
Band2         3         18900         1         #Max         QPSK         24.73         0.16         24.89         33.01         PASS           Band2         3         18900         8         #Mid         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         3         18900         15         #Mid         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         3         18900         15         #0         QPSK         23.89         0.16         24.05         33.01         PASS           Band2         3         18900         1         #Mid         160AM         23.89         0.16         24.06         33.01         PASS           Band2         3         18900         1         #Mid         160AM         23.82         0.16         23.99         3.01         PASS           Band2         3         18900         8         #Mid         160AM         23.92         0.16         23.09         3.01         PASS           Band2         3         18900         8         #Mid         160AM         22.93         0.16         23.09         3.01<				1							
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Band2         3         18900         8         #Mid         QPSK         23,86         0.16         24,02         33,01         PASS           Band2         3         18900         15         #0         QPSK         23,85         0.16         24,01         33,01         PASS           Band2         3         18900         1         #0         GPSK         23,85         0.16         24,05         33,01         PASS           Band2         3         18900         1         #Mid         16QAM         23,89         0.16         24,05         33,01         PASS           Band2         3         18900         1         #Mid         16QAM         23,82         0.16         23,98         33,01         PASS           Band2         3         18900         8         #Mid         16QAM         22,94         0.16         23,09         33,01         PASS           Band2         3         18900         8         #Mid         16QAM         22,98         0.16         23,09         33,01         PASS           Band2         3         19185         1         #M         QPSK         24,89         0.16         23,02         33,01 <td></td>											
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Band2         3         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         3         18900         1         #Mid         16QAM         23.90         0.16         24.06         33.01         PASS           Band2         3         18900         8         #0         16QAM         22.94         0.16         23.91         33.01         PASS           Band2         3         18900         8         #MId         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         3         18900         8         #MMax         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         3         18900         15         #0         16QAM         22.93         0.16         23.02         33.01         PASS           Band2         3         19185         1         #0         QPSK         24.89         0.16         25.05         33.01         PASS           Band2         3         19185         1         #Mid         QPSK         24.99         0.16         24.02         33.01 </td <td></td>											
Band2											
Band2         3         18900         1         #Max         16QAM         23.82         0.16         23.98         33.01         PASS           Band2         3         18900         8         #Mid         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         3         18900         8         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         3         18900         8         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         3         189185         1         #Mo         OPSK         24.89         0.16         25.05         33.01         PASS           Band2         3         19185         1         #Mid         QPSK         24.97         0.16         25.13         33.01         PASS           Band2         3         19185         8         #0         QPSK         24.97         0.16         25.13         33.01         PASS           Band2         3         19185         8         #Mid         QPSK         23.89         0.16         23.93         3.01<											
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Band2         3         19185         8         #0         QPSK         23.86         0.16         24.05         33.01         PASS           Band2         3         19185         8         #Max         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         15         #0         QPSK         23.92         0.16         24.08         33.01         PASS           Band2         3         19185         1         #0         16QAM         23.82         0.16         24.09         33.01         PASS           Band2         3         19185         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         8         #0         16QAM         24.14         0.16         24.02         33.01         PASS           Band2         3         19185         8         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01											
Band2         3         19185         8         #Mid         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         8         #Max         QPSK         23.92         0.16         24.08         33.01         PASS           Band2         3         19185         1         #0         16QAM         23.82         0.16         24.09         33.01         PASS           Band2         3         19185         1         #Mid         16QAM         23.82         0.16         24.02         33.01         PASS           Band2         3         19185         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         8         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Max         16QAM         22.96         0.16         23.12         33.01											
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Band2         3         19185         15         #0         QPSK         23.93         0.16         24.09         33.01         PASS           Band2         3         19185         1         #0         16QAM         23.82         0.16         23.98         33.01         PASS           Band2         3         19185         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         8         #0         16QAM         22.94         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         1         #Mid         QPSK         24.81         0.16         23.12         33.01<											
Band2         3         19185         1         #0         16QAM         23.82         0.16         23.98         33.01         PASS           Band2         3         19185         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         8         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.94         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         QPSK         24.81         0.16         23.12         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.81         0.16         24.07         33.01 </td <td></td>											
Band2         3         19185         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         3         19185         1         #Max         16QAM         24.14         0.16         24.30         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.97         0.16         23.12         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.84         0.16         25.07         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         23.80         0.16         24.07         33.											
Band2         3         19185         1         #Max         16QAM         24.14         0.16         24.30         33.01         PASS           Band2         3         19185         8         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Max         16QAM         22.97         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.97         0.16         23.13         33.01         PASS           Band2         5         18625         1         #0         QPSK         24.81         0.16         24.97         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.91         0.16         25.07         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.88         0.16         24.04         33.01<				1							
Band2         3         19185         8         #0         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         8         #Mid         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         3         19185         15         #Max         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.97         0.16         23.13         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.81         0.16         24.97         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.81         0.16         25.00         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         23.88         0.16         24.07         33.0				1							
Band2         3         19185         8         #Mid         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         3         19185         8         #Max         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.97         0.16         23.13         33.01         PASS           Band2         5         18625         1         #0         QPSK         24.81         0.16         24.97         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18625         1         #Max         QPSK         24.91         0.16         25.07         33.01         PASS           Band2         5         18625         12         #0         QPSK         23.89         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Max         QPSK         23.86         0.16         24.02         33.01 </td <td>Band2</td> <td>3</td> <td>19185</td> <td>8</td> <td>#0</td> <td></td> <td>22.96</td> <td>0.16</td> <td>23.12</td> <td>33.01</td> <td>PASS</td>	Band2	3	19185	8	#0		22.96	0.16	23.12	33.01	PASS
Band2         3         19185         8         #Max         16QAM         22.96         0.16         23.12         33.01         PASS           Band2         3         19185         15         #0         16QAM         22.97         0.16         23.13         33.01         PASS           Band2         5         18625         1         #0         QPSK         24.84         0.16         24.97         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.84         0.16         25.07         33.01         PASS           Band2         5         18625         1         #Max         QPSK         24.91         0.16         25.07         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.88         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.89         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         23.86         0.16         24.02         33.01				8							PASS
Band2         3         19185         15         #0         16QAM         22.97         0.16         23.13         33.01         PASS           Band2         5         18625         1         #0         QPSK         24.81         0.16         24.97         33.01         PASS           Band2         5         18625         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18625         1         #Max         QPSK         24.91         0.16         25.00         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.88         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.89         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.02         33.01	Band2	3	19185	8	#Max		22.96	0.16	23.12	33.01	PASS
Band2         5         18625         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18625         1         #Max         QPSK         24.91         0.16         25.07         33.01         PASS           Band2         5         18625         12         #0         QPSK         23.88         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         23.91         0.16         24.02         33.01         PASS           Band2         5         18625         12         #Max         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #0         16QAM         23.89         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01	Band2	3	19185	15		16QAM	22.97	0.16	23.13	33.01	PASS
Band2         5         18625         1         #Max         QPSK         24.91         0.16         25.07         33.01         PASS           Band2         5         18625         12         #0         QPSK         23.88         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         24.00         0.16         24.16         33.01         PASS           Band2         5         18625         12         #Max         QPSK         24.00         0.16         24.16         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         22.93         0.16         24.20         33	Band2	5	18625	1	#0	QPSK	24.81	0.16	24.97	33.01	PASS
Band2         5         18625         12         #0         QPSK         23.88         0.16         24.04         33.01         PASS           Band2         5         18625         12         #Mid         QPSK         23.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         24.00         0.16         24.02         33.01         PASS           Band2         5         18625         25         #0         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #0         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Max         16QAM         23.89         0.16         24.02         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.93         0.16         23.09         33.0	Band2		18625	1	#Mid	QPSK	24.84	0.16	25.00	33.01	PASS
Band2         5         18625         12         #Mid         QPSK         23.91         0.16         24.07         33.01         PASS           Band2         5         18625         12         #Max         QPSK         24.00         0.16         24.16         33.01         PASS           Band2         5         18625         25         #0         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #0         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.05         33.01         PASS           Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.93         0.16         23.10         33.	Band2	5	18625	1	#Max	QPSK	24.91	0.16	25.07	33.01	PASS
Band2         5         18625         12         #Max         QPSK         24.00         0.16         24.16         33.01         PASS           Band2         5         18625         25         #0         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #0         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.05         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.94         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10	Band2	5	18625	12	#0	QPSK	23.88	0.16	24.04	33.01	PASS
Band2         5         18625         25         #0         QPSK         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #0         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.20         33.01         PASS           Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.93         0.16         23.10         33.01         PASS           Band2         5         18625         12         #Max         16QAM         23.95         0.16         23.21         3	Band2	5	18625	12	#Mid	QPSK	23.91	0.16	24.07	33.01	PASS
Band2         5         18625         1         #0         16QAM         23.86         0.16         24.02         33.01         PASS           Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.20         33.01         PASS           Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.83         0.16         23.10         33.01         PASS           Band2         5         18625         12         #Max         16QAM         23.05         0.16         23.21 <t< td=""><td>Band2</td><td>5</td><td>18625</td><td>12</td><td>#Max</td><td>QPSK</td><td>24.00</td><td>0.16</td><td>24.16</td><td>33.01</td><td>PASS</td></t<>	Band2	5	18625	12	#Max	QPSK	24.00	0.16	24.16	33.01	PASS
Band2         5         18625         1         #Mid         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.20         33.01         PASS           Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.93         0.16         22.99         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.94         0.16         22.99         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.10         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         3	Band2	5	18625	25	#0	QPSK	23.86	0.16	24.02	33.01	PASS
Band2         5         18625         1         #Max         16QAM         24.04         0.16         24.20         33.01         PASS           Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.83         0.16         22.99         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.21         33.01         PASS           Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         23.77         0.16         23.93         33.0	Band2	5		1	#0	16QAM		0.16	24.02	33.01	PASS
Band2         5         18625         12         #0         16QAM         22.93         0.16         23.09         33.01         PASS           Band2         5         18625         12         #Mid         16QAM         22.83         0.16         22.99         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.21         33.01         PASS           Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.10         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #Mid         QPSK         23.77         0.16         24.01         33.0	Band2		18625	1	#Mid	16QAM	23.89	0.16	24.05	33.01	PASS
Band2         5         18625         12         #Mid         16QAM         22.83         0.16         22.99         33.01         PASS           Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.21         33.01         PASS           Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.01         33.01	Band2	5	18625		#Max	16QAM	24.04	0.16	24.20	33.01	PASS
Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.21         33.01         PASS           Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         1         #0         QPSK         23.73         0.16         24.03         33.01 <td>Band2</td> <td></td> <td>18625</td> <td>12</td> <td>#0</td> <td>16QAM</td> <td>22.93</td> <td>0.16</td> <td>23.09</td> <td>33.01</td> <td>PASS</td>	Band2		18625	12	#0	16QAM	22.93	0.16	23.09	33.01	PASS
Band2         5         18625         12         #Max         16QAM         22.94         0.16         23.10         33.01         PASS           Band2         5         18625         25         #0         16QAM         23.05         0.16         23.21         33.01         PASS           Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         1         #0         QPSK         23.73         0.16         24.03         33.01 <td>Band2</td> <td></td> <td>18625</td> <td>12</td> <td></td> <td>16QAM</td> <td>22.83</td> <td>0.16</td> <td>22.99</td> <td>33.01</td> <td>PASS</td>	Band2		18625	12		16QAM	22.83	0.16	22.99	33.01	PASS
Band2         5         18900         1         #0         QPSK         24.95         0.16         25.11         33.01         PASS           Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Mid         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         15         #0         QPSK         23.73         0.16         24.03         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01	Band2	5									
Band2         5         18900         1         #Mid         QPSK         24.84         0.16         25.00         33.01         PASS           Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Mid         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         25         #0         QPSK         23.73         0.16         24.03         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01 </td <td>Band2</td> <td></td> <td>18625</td> <td>25</td> <td></td> <td></td> <td>23.05</td> <td>0.16</td> <td>23.21</td> <td>33.01</td> <td></td>	Band2		18625	25			23.05	0.16	23.21	33.01	
Band2         5         18900         1         #Max         QPSK         24.94         0.16         25.10         33.01         PASS           Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Mid         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         25         #0         QPSK         23.73         0.16         24.03         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Mid         16QAM         24.01         0.16         24.17         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01<	Band2			1							
Band2         5         18900         12         #0         QPSK         23.77         0.16         23.93         33.01         PASS           Band2         5         18900         12         #Mid         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         25         #0         QPSK         23.73         0.16         23.89         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Mid         16QAM         24.01         0.16         24.17         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01	Band2		18900	1	#Mid		24.84	0.16	25.00	33.01	
Band2         5         18900         12         #Mid         QPSK         23.85         0.16         24.01         33.01         PASS           Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         25         #0         QPSK         23.73         0.16         23.89         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         24.01         0.16         24.17         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         12         #0         16QAM         22.72         0.16         22.88         33.0	Band2		18900				24.94	0.16	25.10	33.01	
Band2         5         18900         12         #Max         QPSK         23.87         0.16         24.03         33.01         PASS           Band2         5         18900         25         #0         QPSK         23.73         0.16         23.89         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         24.01         0.16         24.17         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         12         #0         16QAM         22.72         0.16         22.88         33.01         PASS											
Band2         5         18900         25         #0         QPSK         23.73         0.16         23.89         33.01         PASS           Band2         5         18900         1         #0         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         1         #Mid         16QAM         24.01         0.16         24.17         33.01         PASS           Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         12         #0         16QAM         22.72         0.16         22.88         33.01         PASS	Band2		18900				23.85	0.16	24.01	33.01	
Band2     5     18900     1     #0     16QAM     23.89     0.16     24.05     33.01     PASS       Band2     5     18900     1     #Mid     16QAM     24.01     0.16     24.17     33.01     PASS       Band2     5     18900     1     #Max     16QAM     23.89     0.16     24.05     33.01     PASS       Band2     5     18900     12     #0     16QAM     22.72     0.16     22.88     33.01     PASS	Band2		18900		#Max		23.87	0.16	24.03	33.01	
Band2       5       18900       1       #Mid       16QAM       24.01       0.16       24.17       33.01       PASS         Band2       5       18900       1       #Max       16QAM       23.89       0.16       24.05       33.01       PASS         Band2       5       18900       12       #0       16QAM       22.72       0.16       22.88       33.01       PASS	Band2		18900	25		QPSK	23.73	0.16	23.89	33.01	PASS
Band2         5         18900         1         #Max         16QAM         23.89         0.16         24.05         33.01         PASS           Band2         5         18900         12         #0         16QAM         22.72         0.16         22.88         33.01         PASS	Band2		18900	1	#0	16QAM	23.89	0.16	24.05	33.01	
Band2 5 18900 12 #0 16QAM 22.72 0.16 22.88 33.01 PASS	Band2		18900	1	#Mid	16QAM	24.01	0.16	24.17	33.01	PASS
	Band2		18900		#Max	16QAM	23.89	0.16	24.05	33.01	PASS
Band2 5 18900 12 #Mid 16QAM 22.68 0.16 22.84 33.01 PASS	Band2										
	Band2	5	18900	12	#Mid	16QAM	22.68	0.16	22.84	33.01	PASS

Band2	5	18900	12	#Max	16QAM	22.70	0.16	22.86	33.01	PASS
Band2	5	18900	25	#0	16QAM	22.95	0.16	23.11	33.01	PASS
Band2	5	19175	1	#0	QPSK	24.68	0.16	24.84	33.01	PASS
Band2	5	19175	1	#Mid	QPSK	24.65	0.16	24.81	33.01	PASS
Band2	5	19175	1	#Max	QPSK	24.71	0.16	24.87	33.01	PASS
Band2	5	19175	12	#0	QPSK	23.91	0.16	24.07	33.01	PASS
Band2	5	19175	12	#Mid	QPSK	23.83	0.16	23.99	33.01	PASS
Band2	5	19175	12	#Max	QPSK	23.89	0.16	24.05	33.01	PASS
Band2	5	19175	25	#0	QPSK	23.91	0.16	24.07	33.01	PASS
Band2	5	19175	1	#0	16QAM	24.50	0.16	24.66	33.01	PASS
Band2	5	19175	1	#Mid	16QAM	24.43	0.16	24.59	33.01	PASS
Band2	5	19175	1	#Max	16QAM	24.47	0.16	24.63	33.01	PASS
Band2	5	19175	12	#0	16QAM	22.86	0.16	23.02	33.01	PASS
Band2	5	19175	12	#Mid	16QAM	22.89	0.16	23.05	33.01	PASS
Band2	5	19175	12	#Max	16QAM	22.93	0.16	23.09	33.01	PASS
Band2	5	19175	25	#0	16QAM	23.12	0.16	23.28	33.01	PASS
Band2	10	18650	1	#0	QPSK	24.84	0.16	25.00	33.01	PASS
Band2	10	18650	1	#Mid	QPSK	24.92	0.16	25.08	33.01	PASS
Band2	10	18650	1	#Max	QPSK	25.11	0.16	25.06	33.01	PASS
Band2	10	18650	25	#IVIAX #0	QPSK	23.85	0.16	24.01	33.01	PASS
Band2	10	18650	25	#Mid	QPSK	23.90	0.16	24.01	33.01	PASS
Band2	10	18650	25	#Max	QPSK QPSK	24.02	0.16	24.06	33.01	PASS
Band2	10	18650	50	#IVIAX #0	QPSK	24.02	0.16	24.10	33.01	PASS
Band2				#0				25.02		
	10 10	18650	1		16QAM	24.86	0.16		33.01	PASS PASS
Band2	10	18650	1	#Mid	16QAM 16QAM	25.00	0.16 0.16	25.16	33.01	PASS
Band2		18650		#Max		25.14		25.30	33.01	
Band2	10	18650	25	#0 #N4:-1	16QAM	22.87	0.16	23.03	33.01	PASS
Band2	10	18650	25	#Mid	16QAM	22.94	0.16	23.10	33.01	PASS
Band2	10	18650	25	#Max	16QAM	23.04	0.16	23.20	33.01	PASS
Band2	10	18650	50	#0	16QAM	23.01	0.16	23.17	33.01	PASS
Band2	10	18900	1	#0	QPSK	24.83	0.16	24.99	33.01	PASS
Band2	10	18900	1	#Mid	QPSK	24.70	0.16	24.86	33.01	PASS
Band2	10	18900	1	#Max	QPSK	24.80	0.16	24.96	33.01	PASS
Band2	10	18900	25	#0	QPSK	23.73	0.16	23.89	33.01	PASS
Band2	10	18900	25	#Mid	QPSK	23.76	0.16	23.92	33.01	PASS
Band2	10	18900	25	#Max	QPSK	23.79	0.16	23.95	33.01	PASS
Band2	10	18900	50	#0	QPSK	23.81	0.16	23.97	33.01	PASS
Band2	10	18900	1	#0	16QAM	24.57	0.16	24.73	33.01	PASS
Band2	10	18900	1	#Mid	16QAM	24.56	0.16	24.72	33.01	PASS
Band2	10	18900	1	#Max	16QAM	24.54	0.16	24.70	33.01	PASS
Band2	10	18900	25	#0	16QAM	22.89	0.16	23.05	33.01	PASS
Band2	10	18900	25	#Mid	16QAM	22.90	0.16	23.06	33.01	PASS
Band2	10	18900	25	#Max	16QAM	22.92	0.16	23.08	33.01	PASS
Band2	10	18900	50	#0	16QAM	22.95	0.16	23.11	33.01	PASS
Band2	10	19150	1	#0	QPSK	24.90	0.16	25.06	33.01	PASS
Band2	10	19150	1	#Mid	QPSK	24.92	0.16	25.08	33.01	PASS
Band2	10	19150	1	#Max	QPSK	25.00	0.16	25.16	33.01	PASS
Band2	10	19150	25	#0	QPSK	23.84	0.16	24.00	33.01	PASS
Band2	10	19150	25	#Mid	QPSK	23.88	0.16	24.04	33.01	PASS
Band2	10	19150	25	#Max	QPSK	23.89	0.16	24.05	33.01	PASS
Band2	10	19150	50	#0	QPSK	23.86	0.16	24.02	33.01	PASS
Band2	10	19150	1	#0	16QAM	24.13	0.16	24.29	33.01	PASS
Band2	10	19150	1	#Mid	16QAM	23.85	0.16	24.01	33.01	PASS
Band2	10	19150	1	#Max	16QAM	23.91	0.16	24.07	33.01	PASS
Band2	10	19150	25	#0	16QAM	22.93	0.16	23.09	33.01	PASS
Band2	10	19150	25	#Mid	16QAM	22.93	0.16	23.09	33.01	PASS
Band2	10	19150	25	#Max	16QAM	22.98	0.16	23.14	33.01	PASS
Band2	10	19150	50	#0	16QAM	22.94	0.16	23.10	33.01	PASS
Band2	15	18675	1	#0	QPSK	24.82	0.16	24.98	33.01	PASS
Band2	15	18675	1	#Mid	QPSK	24.95	0.16	25.11	33.01	PASS
Band2	15	18675	1	#Max	QPSK	25.02	0.16	25.18	33.01	PASS
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Band2	15	18675	36	#0	QPSK	23.89	0.16	24.05	33.01	PASS
Band2	15	18675	36	#Mid	QPSK	24.03	0.16	24.19	33.01	PASS
Band2	15	18675	36	#Max	QPSK	24.14	0.16	24.30	33.01	PASS
Band2	15	18675	75	#0	QPSK	23.93	0.16	24.09	33.01	PASS
Band2	15	18675	1	#0	16QAM	24.94	0.16	25.10	33.01	PASS
Band2	15	18675	1	#Mid	16QAM	25.07	0.16	25.23	33.01	PASS
Band2	15	18675	1	#Max	16QAM	25.21	0.16	25.37	33.01	PASS
Band2	15	18675	36	#0	16QAM	23.03	0.16	23.19	33.01	PASS
Band2	15	18675	36	#Mid	16QAM	23.10	0.16	23.26	33.01	PASS
Band2	15	18675	36	#Max	16QAM	23.21	0.16	23.37	33.01	PASS
Band2	15	18675	75	#0	16QAM	22.99	0.16	23.15	33.01	PASS
Band2	15	18900	1	#0	QPSK	24.89	0.16	25.05	33.01	PASS
Band2	15	18900	1	#Mid	QPSK	24.74	0.16	24.90	33.01	PASS
Band2	15	18900	1	#Max	QPSK	24.82	0.16	24.98	33.01	PASS
Band2	15	18900	36	#0	QPSK	23.77	0.16	23.93	33.01	PASS
Band2	15	18900	36	#Mid	QPSK	23.81	0.16	23.97	33.01	PASS
Band2	15	18900	36	#Max	QPSK	23.88	0.16	24.04	33.01	PASS
Band2	15	18900	75	#0	QPSK	23.76	0.16	23.92	33.01	PASS
Band2	15	18900	1	#0	16QAM	24.64	0.16	24.80	33.01	PASS
Band2	15	18900	1	#Mid	16QAM	24.53	0.16	24.69	33.01	PASS
Band2	15	18900	1	#Max	16QAM	24.53	0.16	24.69	33.01	PASS
Band2	15	18900	36	#0	16QAM	23.00	0.16	23.16	33.01	PASS
Band2	15	18900	36	#Mid	16QAM	23.01	0.16	23.17	33.01	PASS
Band2	15	18900	36	#Max	16QAM	23.01	0.16	23.17	33.01	PASS
Band2	15	18900	75	#0	16QAM	22.85	0.16	23.01	33.01	PASS
Band2	15	19125	1	#0	QPSK	24.84	0.16	25.00	33.01	PASS
Band2	15	19125	1	#Mid	QPSK	24.74	0.16	24.90	33.01	PASS
Band2	15	19125	1	#Max	QPSK	24.84	0.16	25.00	33.01	PASS
Band2	15	19125	36	#0	QPSK	23.79	0.16	23.95	33.01	PASS
Band2	15	19125	36	#Mid	QPSK	23.91	0.16	24.07	33.01	PASS
Band2	15	19125	36	#Max	QPSK	23.87	0.16	24.03	33.01	PASS
Band2	15	19125	75	#0	QPSK	23.85	0.16	24.01	33.01	PASS
Band2	15	19125	1	#0	16QAM	24.73	0.16	24.89	33.01	PASS
Band2	15	19125	1	#Mid	16QAM	24.72	0.16	24.88	33.01	PASS
Band2	15	19125	1	#Max	16QAM	24.74	0.16	24.90	33.01	PASS
Band2	15	19125	36	#0	16QAM	22.84	0.16	23.00	33.01	PASS
Band2	15	19125	36	#Mid	16QAM	22.83	0.16	22.99	33.01	PASS
Band2	15	19125	36	#Max	16QAM	22.88	0.16	23.04	33.01	PASS
Band2	15	19125	75	#0	16QAM	22.93	0.16	23.09	33.01	PASS
Band2	20	18700	1	#0	QPSK	24.89	0.16	25.05	33.01	PASS
Band2	20	18700	1	#Mid	QPSK	25.11	0.16	25.27	33.01	PASS
Band2	20	18700	1	#Max	QPSK	25.18	0.16	25.34	33.01	PASS
Band2	20	18700	50	#0	QPSK	24.03	0.16	24.19	33.01	PASS
Band2	20	18700	50	#Mid	QPSK	24.16	0.16	24.32	33.01	PASS
Band2	20	18700	50	#Max	QPSK	24.09	0.16	24.25	33.01	PASS
Band2	20	18700	100	#0	QPSK	24.03	0.16	24.19	33.01	PASS
Band2	20	18700	1	#0	16QAM	23.59	0.16	23.75	33.01	PASS
Band2	20	18700	1	#Mid	16QAM	23.85	0.16	24.01	33.01	PASS
Band2	20	18700	1	#Max	16QAM	23.84	0.16	24.00	33.01	PASS
Band2	20	18700	50	#0	16QAM	23.11	0.16	23.27	33.01	PASS
Band2	20	18700	50	#Mid	16QAM	23.17	0.16	23.33	33.01	PASS
Band2	20	18700	50	#Max	16QAM	23.26	0.16	23.42	33.01	PASS
Band2	20	18700	100	#0	16QAM	23.08	0.16	23.24	33.01	PASS
Band2	20	18900	1	#0	QPSK	25.26	0.16	25.42	33.01	PASS
Band2	20	18900	1	#Mid	QPSK	25.03	0.16	25.19	33.01	PASS
Band2	20	18900	1	#Max	QPSK	25.18	0.16	25.34	33.01	PASS
Band2	20	18900	50	#0	QPSK	23.95	0.16	24.11	33.01	PASS
Band2	20	18900	50	#Mid	QPSK	23.74	0.16	23.90	33.01	PASS
Band2	20	18900	50	#Max	QPSK	23.96	0.16	24.12	33.01	PASS
Band2	20	18900	100	#0	QPSK	23.83	0.16	23.99	33.01	PASS
Band2	20	18900	1	#0	16QAM	23.67	0.16	23.83	33.01	PASS
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Band2	20	18900	1	#Mid	16QAM	23.47	0.16	23.63	33.01	PASS
Band2	20	18900	1	#Max	16QAM	23.59	0.16	23.75	33.01	PASS
Band2	20	18900	50	#0	16QAM	22.92	0.16	23.08	33.01	PASS
Band2	20	18900	50	#Mid	16QAM	22.91	0.16	23.07	33.01	PASS
Band2	20	18900	50	#Max	16QAM	22.90	0.16	23.06	33.01	PASS
Band2	20	18900	100	#0	16QAM	22.98	0.16	23.14	33.01	PASS
Band2	20	19100	1	#0	QPSK	24.87	0.16	25.03	33.01	PASS
Band2	20	19100	1	#Mid	QPSK	24.94	0.16	25.10	33.01	PASS
Band2	20	19100	1	#Max	QPSK	24.97	0.16	25.13	33.01	PASS
Band2	20	19100	50	#0	QPSK	23.95	0.16	24.11	33.01	PASS
Band2	20	19100	50	#Mid	QPSK	23.94	0.16	24.10	33.01	PASS
Band2	20	19100	50	#Max	QPSK	23.87	0.16	24.03	33.01	PASS
Band2	20	19100	100	#0	QPSK	23.86	0.16	24.02	33.01	PASS
Band2	20	19100	1	#0	16QAM	24.20	0.16	24.36	33.01	PASS
Band2	20	19100	1	#Mid	16QAM	24.21	0.16	24.37	33.01	PASS
Band2	20	19100	1	#Max	16QAM	24.25	0.16	24.41	33.01	PASS
Band2	20	19100	50	#0	16QAM	23.01	0.16	23.17	33.01	PASS
Band2	20	19100	50	#Mid	16QAM	23.04	0.16	23.20	33.01	PASS
Band2	20	19100	50	#Max	16QAM	23.01	0.16	23.17	33.01	PASS
Band2	20	19100	100	#0	16QAM	22.98	0.16	23.14	33.01	PASS

Report No.: LGT23L113RF07 Page 29 of 518

	Devision 101		<b>D</b> C	D.P.		Dever	0-1-	EID D	EIRP	
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	24.49	0.39	24.88	30	PASS
Band4	1.4	19957	1	#Mid	QPSK	24.51	0.39	24.90	30	PASS
Band4	1.4	19957	1	#Max	QPSK	24.47	0.39	24.86	30	PASS
Band4	1.4	19957	3	#0	QPSK	24.31	0.39	24.70	30	PASS
Band4	1.4	19957	3	#Mid	QPSK	24.37	0.39	24.76	30	PASS
Band4	1.4	19957	3	#Max	QPSK	24.31	0.39	24.70	30	PASS
Band4	1.4	19957	6	#0	QPSK	23.34	0.39	23.73	30	PASS
Band4	1.4 1.4	19957 19957	1	#0 #Mid	16QAM 16QAM	25.00 24.94	0.39	25.39 25.33	30 30	PASS PASS
Band4 Band4	1.4	19957	1	#Max	16QAM	25.00	0.39	25.39	30	PASS
Band4	1.4	19957	3	#IVIAX #0	16QAM	23.66	0.39	24.05	30	PASS
Band4	1.4	19957	3	#Mid	16QAM	23.70	0.39	24.09	30	PASS
Band4	1.4	19957	3	#Max	16QAM	23.67	0.39	24.06	30	PASS
Band4	1.4	19957	6	#0	16QAM	22.68	0.39	23.07	30	PASS
Band4	1.4	20175	1	#0	QPSK	24.70	0.39	25.09	30	PASS
Band4	1.4	20175	1	#Mid	QPSK	24.75	0.39	25.14	30	PASS
Band4	1.4	20175	1	#Max	QPSK	24.73	0.39	25.12	30	PASS
Band4	1.4	20175	3	#0	QPSK	24.78	0.39	25.17	30	PASS
Band4	1.4	20175	3	#Mid	QPSK	24.69	0.39	25.08	30	PASS
Band4	1.4	20175	3	#Max	QPSK	24.78	0.39	25.17	30	PASS
Band4	1.4	20175	6	#0	QPSK	23.67	0.39	24.06	30	PASS
Band4	1.4	20175	1	#0	16QAM	24.32	0.39	24.71	30	PASS
Band4	1.4	20175	1	#Mid	16QAM	24.32	0.39	24.71	30	PASS
Band4	1.4	20175	1	#Max	16QAM	24.33	0.39	24.72	30	PASS
Band4	1.4	20175	3	#0	16QAM	23.70	0.39	24.09	30	PASS
Band4	1.4	20175	3	#Mid	16QAM	23.81	0.39	24.20	30	PASS
Band4	1.4	20175	3	#Max	16QAM	23.81	0.39	24.20	30	PASS
Band4	1.4 1.4	20175 20393	6 1	#0 #0	16QAM QPSK	22.70 24.72	0.39	23.09 25.11	30	PASS PASS
Band4 Band4	1.4	20393	1	#Mid	QPSK	24.72	0.39	25.11	30 30	PASS
Band4	1.4	20393	1	#Max	QPSK	24.00	0.39	25.07	30	PASS
Band4	1.4	20393	3	#IVIAX #0	QPSK	24.72	0.39	24.93	30	PASS
Band4	1.4	20393	3	#Mid	QPSK	24.60	0.39	24.99	30	PASS
Band4	1.4	20393	3	#Max	QPSK	24.54	0.39	24.93	30	PASS
Band4	1.4	20393	6	#0	QPSK	23.48	0.39	23.87	30	PASS
Band4	1.4	20393	1	#0	16QAM	23.76	0.39	24.15	30	PASS
Band4	1.4	20393	1	#Mid	16QAM	23.68	0.39	24.07	30	PASS
Band4	1.4	20393	1	#Max	16QAM	23.77	0.39	24.16	30	PASS
Band4	1.4	20393	3	#0	16QAM	23.51	0.39	23.90	30	PASS
Band4	1.4	20393	3	#Mid	16QAM	23.47	0.39	23.86	30	PASS
Band4	1.4	20393	3	#Max	16QAM	23.53	0.39	23.92	30	PASS
Band4	1.4	20393	6	#0	16QAM	22.70	0.39	23.09	30	PASS
Band4	3	19965	1	#0	QPSK	24.39	0.39	24.78	30	PASS
Band4	3	19965	1	#Mid	QPSK	24.35	0.39	24.74	30	PASS
Band4	3	19965	1	#Max	QPSK	24.36	0.39	24.75	30	PASS
Band4	3	19965	8	#0	QPSK	23.41	0.39	23.80	30	PASS
Band4	3	19965	8	#Mid	QPSK	23.33	0.39	23.72	30	PASS
Band4	3	19965	8	#Max	QPSK	23.32	0.39	23.71	30	PASS
Band4	3	19965	15	#0	QPSK 160AM	23.37	0.39	23.76	30	PASS
Band4	3	19965 19965	1	#0 #Mid	16QAM 16QAM	25.16 25.09	0.39	25.55 25.48	30 30	PASS PASS
Band4 Band4	3	19965	1	#Max	16QAM	25.09	0.39	25.48	30	PASS
Band4	3	19965	8	#IVIAX #0	16QAM	23.13	0.39	22.80	30	PASS
Band4	3	19965	8	#Mid	16QAM	22.41	0.39	22.79	30	PASS
Band4	3	19965	8	#Max	16QAM	22.31	0.39	22.79	30	PASS
Band4	3	19965	15	#IVIAX #0	16QAM	22.50	0.39	22.89	30	PASS
Band4	3	20175	1	#0	QPSK	24.68	0.39	25.07	30	PASS
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Band4	3	20175	1	#Mid	QPSK	24.75	0.39	25.14	30	PASS

Bandd											
Bandd         3         20175         8         #Max         OPSK         23.71         0.39         24.10         30         PASS           Bandd         3         20175         1         #0         160AM         24.32         0.39         24.71         30         PASS           Bandd         3         20175         1         #Mol         160AM         24.32         0.39         24.71         30         PASS           Bandd         3         20175         1         #Mol         160AM         22.90         0.39         24.73         30         PASS           Bandd         3         20175         8         #Mol         160AM         22.90         0.39         23.23         30         PASS           Bandd         3         20175         8         #Mol         160AM         22.90         0.39         23.03         30         PASS           Bandd         3         20175         8         #Mol         160AM         22.74         0.39         23.31         30         PASS           Bandd         3         20395         1         #Mol         QPSK         24.68         0.39         25.08         30         PASS	Band4	3	20175	8	#0	QPSK	23.61	0.39	24.00	30	PASS
Bandd	Band4		20175	8	#Mid	QPSK	23.63	0.39	24.02	30	PASS
Bandd	Band4	3	20175	8	#Max	QPSK	23.71	0.39	24.10	30	PASS
Bandd	Band4			15	#0						
Bandd 3 20175 1 #Mid 160AM 24.29 0.39 24.68 30 PASS Bandd 3 20175 8 #Mid 160AM 24.31 0.39 24.73 30 PASS Bandd 3 20175 8 #Mid 160AM 22.85 0.39 23.24 30 PASS Bandd 3 20175 8 #Mid 160AM 22.85 0.39 23.24 30 PASS Bandd 3 20175 1 #Mid 160AM 22.91 0.39 23.30 30 PASS Bandd 3 20175 15 #0 160AM 22.91 0.39 23.30 30 PASS Bandd 3 20175 15 #0 160AM 22.71 0.39 23.31 30 PASS Bandd 3 20385 1 #Mid QPSK 24.68 0.39 25.08 30 PASS Bandd 3 20385 1 #Mid QPSK 24.68 0.39 25.07 30 PASS Bandd 3 20385 1 #Mid QPSK 24.68 0.39 25.07 30 PASS Bandd 3 20385 1 #Mid QPSK 24.68 0.39 25.07 30 PASS Bandd 3 20385 8 #Mid QPSK 23.58 0.39 23.97 30 PASS Bandd 3 20385 8 #Mid QPSK 23.58 0.39 23.97 30 PASS Bandd 3 20385 8 #Mid QPSK 23.58 0.39 23.97 30 PASS Bandd 3 20385 8 #Mid QPSK 23.58 0.39 23.97 30 PASS Bandd 3 20385 8 #Mid QPSK 23.58 0.39 23.97 30 PASS Bandd 3 20385 8 #Mid QPSK 23.68 0.39 24.02 30 PASS Bandd 3 20385 1 #Mid QPSK 23.68 0.39 24.02 30 PASS Bandd 3 20385 1 #Mid QPSK 23.68 0.39 24.02 30 PASS Bandd 3 20385 1 #Mid QPSK 23.68 0.39 24.02 30 PASS Bandd 3 20385 1 #Mid QPSK 23.68 0.39 24.18 30 PASS Bandd 3 20385 1 #Mid QPSK 23.68 0.39 24.18 30 PASS Bandd 3 20385 1 #Mid 160AM 23.79 0.39 24.18 30 PASS Bandd 3 20385 1 #Mid 160AM 23.89 0.39 24.18 30 PASS Bandd 3 20385 1 #Mid 160AM 23.89 0.39 24.18 30 PASS Bandd 3 20385 8 #Mid 160AM 23.89 0.39 24.18 30 PASS Bandd 3 20385 8 #Mid 160AM 23.89 0.39 24.19 30 PASS Bandd 3 20385 8 #Mid 160AM 23.89 0.39 24.19 30 PASS Bandd 5 19975 1 #Mid QPSK 24.35 0.39 23.24 30 PASS Bandd 5 19975 1 #Mid QPSK 24.35 0.39 23.24 30 PASS Bandd 5 19975 1 #Mid QPSK 24.35 0.39 23.24 30 PASS Bandd 5 19975 1 #Mid QPSK 24.35 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.37 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.37 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.37 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.37 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.37 0.39 23.74 0.30 PASS Bandd 5 19975 1 #Mid QPSK 23.49 0.39 24.77 0.39 24.64 30 PASS Bandd 5 19975 1 #Mid QPSK 23.49 0.39 24.79 30 PASS Bandd 5 19975 1 #Mid QP											
Band4         3         20175         1         #Max         16QAM         22.43         0.39         24.73         30         PASS           Band4         3         20175         8         #Mid         16QAM         22.95         0.39         23.29         30         PASS           Band4         3         20175         8         #Mid         16QAM         22.91         0.39         23.29         30         PASS           Band4         3         20175         15         #0         16QAM         22.21         0.39         23.13         30         PASS           Band4         3         20385         1         #Mid         QFSK         24.68         0.39         25.01         30         PASS           Band4         3         20385         1         #Mid         QFSK         24.68         0.39         25.01         30         PASS           Band4         3         20385         8         #Mid         QFSK         23.58         0.39         24.02         30         PASS           Band4         3         20385         8         #Mid         QFSK         23.58         0.39         24.02         30         PASS<											
Bandd         3         20175         8         #00         16QAM         22.85         0.39         23.24         30         PASS           Bandd         3         20175         8         #Mid         16QAM         22.90         0.39         23.29         30         PASS           Bandd         3         20175         15         #0         16QAM         22.91         0.39         23.30         30         PASS           Bandd         3         20385         1         #Mid         QFSK         24.68         0.39         25.08         30         PASS           Bandd         3         20385         1         #Mid         QFSK         24.69         0.39         25.07         30         PASS           Bandd         3         20385         8         #Mid         QFSK         23.58         0.39         23.97         30         PASS           Bandd         3         20385         8         #Mid         QFSK         23.68         0.39         23.87         30         PASS           Bandd         3         20385         1         #Mid         16QAM         23.79         0.39         24.18         30         PASS </td <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				1							
Band4         3         20175         8         #Mid         160AM         22.90         0.39         23.29         30         PASS           Band4         3         20175         15         #0         160AM         22.74         0.39         23.13         30         PASS           Band4         3         20175         15         #0         160AM         22.74         0.39         23.13         30         PASS           Band4         3         20385         1         #0         GPSK         24.68         0.39         25.07         30         PASS           Band4         3         20385         1         #Miax         QPSK         23.58         0.39         25.07         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.68         0.39         24.02         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.68         0.39         24.10         30         PASS           Band4         3         20385         8         #Mid         160AM         23.61         0.39         24.19         30         PASS <td></td> <td></td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				8							
Bandd         3         20175         8         #Max         16QAM         22.91         0.39         23.30         30         PASS           Band4         3         20175         15         #0         16QAM         22.74         0.39         25.08         30         PASS           Band4         3         20385         1         #Mid         QPSK         24.68         0.39         25.07         30         PASS           Band4         3         20385         1         #Mid         QPSK         24.68         0.39         25.01         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.58         0.39         23.97         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.68         0.39         24.02         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.79         0.39         24.18         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.79         0.39         24.18         30         PASS<											
Band4         3         20175         15         #0         16QAM         22,74         0,39         23,13         30         PASS           Band4         3         20385         1         #Mid         QPSK         24,69         0,39         25,07         30         PASS           Band4         3         20385         1         #Mid         QPSK         24,68         0,39         25,07         30         PASS           Band4         3         20385         8         #Mid         QPSK         23,68         0,39         22,07         30         PASS           Band4         3         20385         8         #Mid         QPSK         23,63         0,39         24,02         30         PASS           Band4         3         20385         15         #Mo         QPSK         23,48         0,39         24,00         30         PASS           Band4         3         20385         1         #Mid         16QAM         23,00         0,39         24,10         30         PASS           Band4         3         20385         1         #Mia         16QAM         23,30         0,39         23,20         30         PASS </td <td></td>											
Band4         3         20385         1         #0         QPSK         24.68         0.39         25.07         30         PASS           Band4         3         20385         1         #Max         QPSK         24.72         0.39         25.07         30         PASS           Band4         3         20385         8         #0         QPSK         24.72         0.39         23.97         30         PASS           Band4         3         20385         8         #Max         QPSK         23.63         0.39         24.02         30         PASS           Band4         3         20385         8         #Max         QPSK         23.64         0.39         23.97         30         PASS           Band4         3         20385         1         #0         GPSK         23.61         0.39         24.07         30         PASS           Band4         3         20385         1         #0         16QAM         23.69         0.39         24.19         30         PASS           Band4         3         20385         1         #Max         16QAM         22.81         0.39         23.20         30         PASS											
Band4         3         20385         1         #Mid         QPSK         24.88         0.39         25.11         30         PASS           Band4         3         20385         8         #f0         QPSK         23.58         0.39         25.11         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.58         0.39         24.02         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.48         0.39         24.00         30         PASS           Band4         3         20385         15         #0         QPSK         23.61         0.39         24.00         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.80         0.39         24.19         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.69         0.39         24.19         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.86         0.39         23.21         30         PASS <td></td>											
Band4         3         20385         1         #Max         QPSK         24.72         0.39         25.11         30         PASS           Band4         3         20385         8         #Mol         QPSK         23.58         0.39         23.97         30         PASS           Band4         3         20385         8         #Max         QPSK         23.68         0.39         24.02         30         PASS           Band4         3         20385         15         #WO         QPSK         23.61         0.39         24.10         30         PASS           Band4         3         20385         1         #WO         16QAM         23.79         0.39         24.18         30         PASS           Band4         3         20385         1         #Max         16QAM         23.89         0.39         24.18         30         PASS           Band4         3         20385         8         #WO         16QAM         22.81         0.39         23.24         30         PASS           Band4         3         20385         8         #Max         16QAM         22.85         0.39         23.11         30         PASS </td <td></td>											
Band4         3         20385         8         #0         QPSK         23.58         0.39         23.97         30         PASS           Band4         3         20385         8         #Mid         QPSK         23.63         0.39         24.02         30         PASS           Band4         3         20385         15         #0         QPSK         23.61         0.39         24.18         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.79         0.39         24.18         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.80         0.39         24.19         30         PASS           Band4         3         20385         8         #0         18QAM         22.81         0.39         24.09         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.81         0.39         23.20         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.81         0.39         23.07         30         PASS <td></td>											
Band4											
Band4         3         20385         8         #Max         QPSK         23.48         0.39         23.87         30         PASS           Band4         3         20385         15         #0         QPSK         23.61         0.39         24.10         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.80         0.39         24.19         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.80         0.39         24.19         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.81         0.39         24.04         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.24         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.24         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS											
Band4         3         20385         15         #0         QPSK         23.61         0.39         24.00         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.79         0.39         24.18         30         PASS           Band4         3         20385         1         #Mid         16QAM         23.69         0.39         24.18         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.81         0.39         22.03         0         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.24         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.51         30         PASS           Band4         3         20385         15         #0         16QAM         22.66         0.39         23.05         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS<											
Band4         3         20385         1         #0         16QAM         23.79         0.39         24.18         30         PASS           Band4         3         20385         1         #Max         16QAM         23.80         0.39         24.19         30         PASS           Band4         3         20385         8         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.24         30         PASS           Band4         3         20385         8         #Mid         16QAM         22.85         0.39         23.11         30         PASS           Band4         3         20385         15         #0         16QAM         22.81         0.39         23.05         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS <td></td>											
Band4   3   20385   1   #Mild   16QAM   23.80   0.39   24.19   30   PASS   Band4   3   20385   1   #Max   16QAM   22.81   0.39   24.08   30   PASS   Band4   3   20385   8   #0   16QAM   22.81   0.39   23.20   30   PASS   Band4   3   20385   8   #Mild   16QAM   22.81   0.39   23.20   30   PASS   Band4   3   20385   8   #Mild   16QAM   22.85   0.39   23.24   30   PASS   Band4   3   20385   15   #0   16QAM   22.72   0.39   23.11   30   PASS   Band4   5   19975   1   #0   QPSK   24.31   0.39   24.70   30   PASS   Band4   5   19975   1   #Mild   QPSK   24.35   0.39   24.64   30   PASS   Band4   5   19975   1   #Max   QPSK   24.25   0.39   24.64   30   PASS   Band4   5   19975   1   #Max   QPSK   24.25   0.39   24.64   30   PASS   Band4   5   19975   12   #0   QPSK   23.35   0.39   23.74   30   PASS   Band4   5   19975   12   #Mild   QPSK   23.35   0.39   23.74   30   PASS   Band4   5   19975   12   #Max   QPSK   23.35   0.39   23.74   30   PASS   Band4   5   19975   12   #Max   QPSK   23.35   0.39   23.76   30   PASS   Band4   5   19975   12   #Max   QPSK   23.37   0.39   23.76   30   PASS   Band4   5   19975   12   #Mild   QPSK   23.37   0.39   23.76   30   PASS   Band4   5   19975   1   #Mild   16QAM   24.07   0.39   24.46   30   PASS   Band4   5   19975   1   #Mild   16QAM   24.07   0.39   24.46   30   PASS   Band4   5   19975   1   #Mild   16QAM   24.07   0.39   24.46   30   PASS   Band4   5   19975   1   #Mild   16QAM   24.07   0.39   24.46   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.33   0.39   22.77   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mild   16QAM   22.30   0.39   22.79   30   PASS   Band4   5   20175   1   #Mild   16QAM   22.60   0.39   22.99   30   PASS   Band4   5   20175   1   #Mild   16											
Band4   3   20385   1   #Max   16QAM   23.69   0.39   24.08   30   PASS   Band4   3   20385   8   #Mol   16QAM   22.85   0.39   23.20   30   PASS   Band4   3   20385   8   #Mid   16QAM   22.85   0.39   23.24   30   PASS   Band4   3   20385   8   #Mid   16QAM   22.85   0.39   23.24   30   PASS   Band4   3   20385   15   #0   16QAM   22.60   0.39   23.11   30   PASS   Band4   5   19975   1   #0   QPSK   24.31   0.39   24.70   30   PASS   Band4   5   19975   1   #Mid   QPSK   24.25   0.39   24.64   30   PASS   Band4   5   19975   1   #Mid   QPSK   24.25   0.39   24.64   30   PASS   Band4   5   19975   12   #0   QPSK   24.25   0.39   24.64   30   PASS   Band4   5   19975   12   #0   QPSK   23.34   0.39   23.81   30   PASS   Band4   5   19975   12   #Mid   QPSK   23.35   0.39   23.74   30   PASS   Band4   5   19975   12   #Mid   QPSK   23.35   0.39   23.74   30   PASS   Band4   5   19975   12   #Mid   QPSK   23.43   0.39   23.65   30   PASS   Band4   5   19975   12   #Mid   QPSK   23.43   0.39   23.76   30   PASS   Band4   5   19975   12   #Mid   QPSK   23.43   0.39   23.76   30   PASS   Band4   5   19975   1   #Mid   16QAM   24.07   0.39   24.66   30   PASS   Band4   5   19975   1   #Mid   16QAM   24.07   0.39   24.66   30   PASS   Band4   5   19975   1   #Mid   16QAM   24.07   0.39   24.46   30   PASS   Band4   5   19975   1   #Mid   16QAM   22.38   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.30   0.39   22.77   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.58   0.39   22.79   30   PASS   Band4   5   19975   12   #Mid   16QAM   22.58   0.39   22.79   30   PASS   Band4   5   20175   1   #Mid   16QAM   22.60   0.39   22.99   30   PASS   Band4   5   20175   12   #Mid   16QAM   22.60   0											
Band4         3         20385         8         #O         16QAM         22.81         0.39         23.20         30         PASS           Band4         3         20385         8         #Miax         16QAM         22.72         0.39         23.24         30         PASS           Band4         3         20385         15         #O         16QAM         22.72         0.39         23.11         30         PASS           Band4         5         19975         1         #O         QPSK         24.31         0.39         24.70         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         1         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.74         30         PASS <td></td>											
Band4											
Band4											
Band4         3         20385         15         #0         16QAM         22.66         0.39         23.05         30         PASS           Band4         5         19975         1         #Mild         QPSK         24.31         0.39         24.64         30         PASS           Band4         5         19975         1         #Mild         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         1         #Mild         QPSK         24.25         0.39         23.81         30         PASS           Band4         5         19975         12         #Mild         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Mild         QPSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         12         #Max         QPSK         23.37         0.39         24.46         30         PASS           Band4         5         19975         1         #Mild         16QAM         24.07         0.39         24.46         30 <t< td=""><td></td><td></td><td></td><td></td><td>#Max</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>					#Max						
Band4         5         19975         1         #0         QPSK         24.31         0.39         24.70         30         PASS           Band4         5         19975         1         #Mlax         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         12         #0         QPSK         23.42         0.39         23.81         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.32         0.39         23.81         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Mlax         QPSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         22.38         0.39         22.77         30         PASS </td <td></td>											
Band4         5         19975         1         #Mid         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         1         #Max         QPSK         24.25         0.39         23.81         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         22.38         0.39         22.77         30         PASS											
Band4         5         19975         1         #Max         QPSK         24.25         0.39         24.64         30         PASS           Band4         5         19975         12         #0         QPSK         23.42         0.39         23.81         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.76         30         PASS           Band4         5         19975         12         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         1         #0         16QAM         24.07         0.39         23.76         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         22.07         30         PASS           Band4         5         19975         12         #0         16QAM         22.38         0.39         22.77         30         PASS           Band4											
Band4         5         19975         12         #0         QPSK         23.42         0.39         23.81         30         PASS           Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.82         30         PASS           Band4         5         19975         25         #0         QPSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.73         30         PASS           Band4         5         19975         12         #0         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.38         0.39         22.79         30         PASS </td <td></td>											
Band4         5         19975         12         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         5         19975         12         #Max         QPSK         23.43         0.39         23.76         30         PASS           Band4         5         19975         1         #0         0PSK         23.37         0.39         23.76         30         PASS           Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         23.98         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.40         0.39         22.77         30         PASS           Band4         5         19975         12         #Max         16QAM         22.40         0.39         22.79         30         PAS				12							
Band4         5         19975         12         #Max         QPSK         23.43         0.39         23.82         30         PASS           Band4         5         19975         25         #0         QPSK         23.37         0.39         24.46         30         PASS           Band4         5         19975         1         #MId         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #MId         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         12         #Mo         16QAM         23.98         0.39         24.37         30         PASS           Band4         5         19975         12         #Mo         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.72         30         PASS           Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PA											
Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         23.98         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.30         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.30         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.77         30         PASS           Band4         5         20175         1         #Max         QPSK         24.84         0.39         25.23         30 <td< td=""><td></td><td></td><td></td><td></td><td>#Max</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>					#Max						
Band4         5         19975         1         #0         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Mid         16QAM         24.07         0.39         24.46         30         PASS           Band4         5         19975         1         #Max         16QAM         23.98         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.30         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.30         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.77         30         PASS           Band4         5         20175         1         #Max         QPSK         24.84         0.39         25.23         30 <td< td=""><td>Band4</td><td>5</td><td>19975</td><td>25</td><td>#0</td><td>QPSK</td><td>23.37</td><td>0.39</td><td>23.76</td><td>30</td><td>PASS</td></td<>	Band4	5	19975	25	#0	QPSK	23.37	0.39	23.76	30	PASS
Band4         5         19975         1         #Max         16QAM         23.98         0.39         24.37         30         PASS           Band4         5         19975         12         #0         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.33         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.72         30         PASS           Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PASS           Band4         5         20175         1         #0         QPSK         24.77         0.39         25.16         30         PASS           Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.23         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.70         0.39         24.09         30         PASS									24.46		PASS
Band4         5         19975         12         #0         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.40         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.38         0.39         22.72         30         PASS           Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.77         0.39         25.16         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.70         0.39         24.09         30         PAS	Band4	5	19975	1	#Mid	16QAM	24.07	0.39	24.46	30	PASS
Band4         5         19975         12         #0         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         12         #Mid         16QAM         22.40         0.39         22.79         30         PASS           Band4         5         19975         12         #Max         16QAM         22.38         0.39         22.77         30         PASS           Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PASS           Band4         5         20175         1         #0         QPSK         24.77         0.39         25.16         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         12         #Mid         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.70         0.39         24.09         30         PASS	Band4	5	19975	1	#Max	16QAM	23.98	0.39	24.37	30	PASS
Band4         5         19975         12         #Max         16QAM         22.33         0.39         22.72         30         PASS           Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PASS           Band4         5         20175         1         #0         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Max         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Max         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.72         0.39         24.11         30         PASS <td>Band4</td> <td>5</td> <td>19975</td> <td>12</td> <td></td> <td>16QAM</td> <td>22.38</td> <td>0.39</td> <td>22.77</td> <td>30</td> <td>PASS</td>	Band4	5	19975	12		16QAM	22.38	0.39	22.77	30	PASS
Band4         5         19975         25         #0         16QAM         22.58         0.39         22.97         30         PASS           Band4         5         20175         1         #0         QPSK         24.77         0.39         25.16         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.20         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS	Band4	5	19975	12	#Mid	16QAM	22.40	0.39	22.79	30	PASS
Band4         5         20175         1         #0         QPSK         24.77         0.39         25.16         30         PASS           Band4         5         20175         1         #Mid         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS	Band4	5	19975	12	#Max	16QAM	22.33	0.39	22.72	30	PASS
Band4         5         20175         1         #Mid         QPSK         24.84         0.39         25.23         30         PASS           Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.73         30         PASS </td <td>Band4</td> <td>5</td> <td>19975</td> <td>25</td> <td>#0</td> <td>16QAM</td> <td>22.58</td> <td>0.39</td> <td>22.97</td> <td>30</td> <td>PASS</td>	Band4	5	19975	25	#0	16QAM	22.58	0.39	22.97	30	PASS
Band4         5         20175         1         #Max         QPSK         24.94         0.39         25.33         30         PASS           Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.20         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS<	Band4	5	20175	1	#0	QPSK	24.77	0.39	25.16	30	PASS
Band4         5         20175         12         #0         QPSK         23.70         0.39         24.09         30         PASS           Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.20         30         PASS           Band4         5         20175         12         #Max         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS<	Band4	5	20175	1	#Mid	QPSK	24.84	0.39	25.23	30	PASS
Band4         5         20175         12         #Mid         QPSK         23.80         0.39         24.19         30         PASS           Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.20         30         PASS           Band4         5         20175         25         #0         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.60         0.39         22.99         30         PASS	Band4	5	20175	1	#Max	QPSK	24.94	0.39	25.33	30	PASS
Band4         5         20175         12         #Max         QPSK         23.81         0.39         24.20         30         PASS           Band4         5         20175         25         #0         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.60         0.39         23.04         30         PAS	Band4		20175	12			23.70		24.09	30	PASS
Band4         5         20175         25         #0         QPSK         23.72         0.39         24.11         30         PASS           Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PA	Band4		20175	12	#Mid	QPSK	23.80	0.39	24.19	30	PASS
Band4         5         20175         1         #0         16QAM         24.26         0.39         24.65         30         PASS           Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PAS	Band4						23.81		24.20	30	
Band4         5         20175         1         #Mid         16QAM         24.34         0.39         24.73         30         PASS           Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #Mid         QPSK         24.35         0.39         24.74         30	Band4			25			23.72		24.11	30	
Band4         5         20175         1         #Max         16QAM         24.44         0.39         24.83         30         PASS           Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS<				1			24.26			30	
Band4         5         20175         12         #0         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Mid         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         24.68         30         PASS <td>Band4</td> <td></td> <td></td> <td></td> <td>#Mid</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Band4				#Mid						
Band4         5         20175         12         #Mid         16QAM         22.60         0.39         22.99         30         PASS           Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS </td <td>Band4</td> <td></td>	Band4										
Band4         5         20175         12         #Max         16QAM         22.65         0.39         23.04         30         PASS           Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         24.01         30         PASS <td>Band4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30</td> <td></td>	Band4									30	
Band4         5         20175         25         #0         16QAM         22.84         0.39         23.23         30         PASS           Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Mid         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS	Band4										
Band4         5         20375         1         #0         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Mid         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Max         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS											
Band4         5         20375         1         #Mid         QPSK         24.35         0.39         24.74         30         PASS           Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS				25							
Band4         5         20375         1         #Max         QPSK         24.29         0.39         24.68         30         PASS           Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS	Band4										
Band4         5         20375         12         #0         QPSK         23.47         0.39         23.86         30         PASS           Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS	Band4			1							
Band4         5         20375         12         #Mid         QPSK         23.62         0.39         24.01         30         PASS           Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS	Band4		20375			QPSK	24.29	0.39	24.68	30	
Band4         5         20375         12         #Max         QPSK         23.52         0.39         23.91         30         PASS           Band4         5         20375         25         #0         QPSK         23.65         0.39         24.04         30         PASS	Band4		20375		#0	QPSK	23.47	0.39	23.86	30	
Band4 5 20375 25 #0 QPSK 23.65 0.39 24.04 30 PASS	Band4		20375		#Mid	QPSK	23.62	0.39	24.01	30	
	Band4		20375		#Max		23.52	0.39	23.91	30	PASS
Band4 5 20375 1 #0 16QAM 24.64 0.39 25.03 30 PASS	Band4			25							
	Band4	5	20375	1	#0	16QAM	24.64	0.39	25.03	30	PASS

Band4   5											
Bandd         5         20375         12         #Mod         160AM         22.62         0.39         23.01         30         PASS           Bandd         5         20375         12         #Mid         160AM         22.67         0.39         23.08         30         PASS           Bandd         5         20375         12         #Max         160AM         22.67         0.39         23.06         30         PASS           Bandd         10         20000         1         #Mid         GPSK         24.21         0.39         24.60         30         PASS           Bandd         10         20000         1         #Mid         QPSK         24.21         0.39         24.60         30         PASS           Bandd         10         20000         25         #Mid         QPSK         24.21         0.39         23.67         30         PASS           Bandd         10         20000         25         #Mid         QPSK         23.45         0.39         23.67         30         PASS           Bandd         10         20000         25         #Mid         QPSK         23.35         0.39         25.48         30	Band4	5	20375	1	#Mid	16QAM	24.66	0.39	25.05	30	PASS
Bandd	Band4	5	20375	1	#Max	16QAM	24.66	0.39	25.05	30	PASS
Band4   5	Band4	5	20375	12	#0	16QAM	22.62	0.39	23.01	30	PASS
Bandd         5         20375         25         #0         160AM         2279         0.39         23.18         30         PASS           Bandd         10         20000         1         #Mid         OPSK         24.21         0.39         24.60         30         PASS           Bandd         10         20000         1         #Mid         OPSK         24.21         0.39         24.68         30         PASS           Bandd         10         20000         25         #Mid         OPSK         24.29         0.39         23.67         30         PASS           Bandd         10         20000         25         #Mid         QFSK         23.36         0.39         23.74         30         PASS           Bandd         10         20000         25         #Mid         QFSK         23.34         0.39         23.75         30         PASS           Bandd         10         20000         1         #Mid         160AM         25.96         0.39         25.45         30         PASS           Bandd         10         20000         1         #Mid         160AM         29.89         0.39         25.45         30         <	Band4	5	20375	12	#Mid	16QAM	22.69	0.39	23.08	30	PASS
Band4	Band4	5	20375	12	#Max	16QAM	22.67	0.39	23.06	30	PASS
Band4         10         20000         1         #0         OPSK         24.31         0.39         24.70         30         PASS           Band4         10         20000         1         #Mlax         OPSK         24.21         0.39         24.68         30         PASS           Band4         10         20000         25         #Mld         OPSK         23.28         0.39         23.74         30         PASS           Band4         10         20000         25         #Mld         OPSK         23.35         0.39         23.74         30         PASS           Band4         10         20000         50         #Mlax         OPSK         23.36         0.39         23.74         30         PASS           Band4         10         20000         1         #Mla         160AM         25.06         0.39         25.46         30         PASS           Band4         10         20000         1         #Mlax         160AM         24.98         0.39         25.43         30         PASS           Band4         10         20000         25         #Mla         160AM         22.46         0.39         22.85         30		5	20375	25	#0			0.39		30	PASS
Band4         10         20000         1         #Mid         OPSK         24.21         0.39         24.60         30         PASS           Band4         10         20000         25         #Mo         OPSK         23.28         0.39         23.67         30         PASS           Band4         10         20000         25         #Mid         OPSK         23.35         0.39         23.67         30         PASS           Band4         10         20000         25         #Mid         OPSK         23.35         0.39         23.74         30         PASS           Band4         10         20000         50         #Mo         GPSK         23.36         0.39         23.75         30         PASS           Band4         10         20000         1         #Mid         160AM         25.09         0.39         25.45         30         PASS           Band4         10         20000         1         #Mid         160AM         25.06         0.39         22.85         30         PASS           Band4         10         20000         25         #Mid         160AM         22.24         0.39         22.83         30	Band4	10	20000	1	#0		24.31	0.39	24.70	30	PASS
Band4         10         20000         1         #Max         OPSK         24.29         0.39         24.68         30         PASS           Band4         10         20000         25         #Mid         OPSK         23.36         0.39         23.74         30         PASS           Band4         10         20000         25         #Mid         OPSK         23.36         0.39         23.74         30         PASS           Band4         10         20000         50         #Max         QPSK         23.36         0.39         23.75         30         PASS           Band4         10         20000         1         #Mid         160AM         25.09         0.39         25.48         30         PASS           Band4         10         20000         1         #Mia         160AM         24.98         0.39         25.37         30         PASS           Band4         10         20000         25         #Mid         160AM         24.98         0.39         22.93         30         PASS           Band4         10         20000         25         #Mid         160AM         22.49         0.39         22.93         30				1							
Band4         10         20000         25         #Mid         QPSK         23.28         0.39         23.67         30         PASS           Band4         10         20000         25         #Mid         QPSK         23.41         0.39         23.80         30         PASS           Band4         10         20000         50         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         10         20000         1         #0         160AM         25.09         0.39         25.48         30         PASS           Band4         10         20000         1         #Mid         160AM         25.06         0.39         25.45         30         PASS           Band4         10         20000         25         #Mol         160AM         22.46         0.39         22.81         30         PASS           Band4         10         20000         25         #Max         160AM         22.49         0.39         22.91         30         PASS           Band4         10         20175         1         #Mid         GCAM         22.54         0.39         22.93         30	Band4	10		1			24.29			30	
Band4         10         20000         25         #Mid         QPSK         23.35         0.39         23.74         30         PASS           Band4         10         20000         50         #Mo         QPSK         23.36         0.39         23.75         30         PASS           Band4         10         20000         1         #0         160AM         25.06         0.39         23.75         30         PASS           Band4         10         20000         1         #Mid         160AM         25.06         0.39         25.45         30         PASS           Band4         10         20000         1         #Mid         160AM         24.98         0.39         22.81         30         PASS           Band4         10         20000         25         #Mid         160AM         22.46         0.39         22.91         30         PASS           Band4         10         20000         25         #Mid         160AM         22.46         0.39         22.91         30         PASS           Band4         10         20175         1         #Mid         160AM         22.54         0.39         22.93         30				25						30	
Band4         10         20000         25         #Max         QPSK         23.41         0.39         23.80         30         PASS           Band4         10         20000         1         #0         180AM         25.09         0.39         23.75         30         PASS           Band4         10         20000         1         #MId         16QAM         25.09         0.39         25.48         30         PASS           Band4         10         20000         1         #MId         16QAM         25.06         0.39         25.87         30         PASS           Band4         10         20000         25         #0         16QAM         22.49         0.39         22.88         30         PASS           Band4         10         20000         25         #MId         16QAM         22.49         0.39         22.88         30         PASS           Band4         10         20000         25         #MId         16QAM         22.54         0.39         22.91         30         PASS           Band4         10         20175         1         #MId         QPSK         24.38         0.39         24.17         30									23.74		
Band4         10         20000         50         #0         QPSK         23.36         0.39         25.75         30         PASS           Band4         10         20000         1         #Mid         16QAM         25.06         0.39         25.45         30         PASS           Band4         10         20000         1         #Mid         16QAM         24.98         0.39         22.85         30         PASS           Band4         10         20000         25         #Mid         16QAM         22.46         0.39         22.88         30         PASS           Band4         10         20000         25         #Mid         16QAM         22.44         0.39         22.98         30         PASS           Band4         10         20000         50         #Mol         16QAM         22.54         0.39         22.93         30         PASS           Band4         10         20175         1         #Mol         QPSK         24.38         0.39         24.97         30         PASS           Band4         10         20175         1         #Max         QPSK         24.76         0.39         24.07         30	Band4	10	20000	25	#Max	QPSK	23.41	0.39	23.80	30	PASS
Band4         10         20000         1         #0         16QAM         25,06         0.39         25,48         30         PASS           Band4         10         20000         1         #Mid         16QAM         25,06         0.39         25,45         30         PASS           Band4         10         20000         25         #0         16QAM         24,98         0.39         22,85         30         PASS           Band4         10         20000         25         #Mid         16QAM         22,49         0.39         22,91         30         PASS           Band4         10         20000         25         #Mid         16QAM         22,52         0.39         22,91         30         PASS           Band4         10         20175         1         #Mid         QPSK         24,38         0.39         22,93         30         PASS           Band4         10         20175         1         #Mid         QPSK         24,38         0.39         24,07         30         PASS           Band4         10         20175         25         #Mid         QPSK         23,86         0.39         24,07         30											
Band4         10         20000         1         #Mid         16QAM         25,06         0.39         25,45         30         PASS           Band4         10         20000         25         #0         16QAM         24,98         0.39         22,85         30         PASS           Band4         10         20000         25         #Mid         16QAM         22,46         0.39         22,85         30         PASS           Band4         10         20000         25         #Mid         16QAM         22,46         0.39         22,91         30         PASS           Band4         10         20000         50         #0         16QAM         22,54         0.39         22,93         30         PASS           Band4         10         20175         1         #Mid         QPSK         24,38         0.39         24,97         30         PASS           Band4         10         20175         1         #Mid         QPSK         24,56         0.39         24,95         30         PASS           Band4         10         20175         2         #Mid         QPSK         23,68         0.39         24,19         30		10									
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Band4         10         20000         25         #Mod         16QAM         22.46         0.39         22.85         30         PASS           Band4         10         20000         25         #Mid         16QAM         22.49         0.39         22.81         30         PASS           Band4         10         20000         50         #0         16QAM         22.54         0.39         22.93         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.36         0.39         24.95         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.56         0.39         24.07         30         PASS           Band4         10         20175         25         #0         QPSK         23.66         0.39         24.07         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.76         0.39         24.07         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.68         0.39         24.07         30	Band4	10	20000	1	#Max			0.39	25.37	30	PASS
Band4         10         20000         25         #Mid         16QAM         22.49         0.39         22.88         30         PASS           Band4         10         20000         50         #0         16QAM         22.52         0.39         22.93         30         PASS           Band4         10         20175         1         #0         QPSK         24.38         0.39         22.93         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.38         0.39         24.97         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.76         0.39         24.97         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.68         0.39         24.14         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.80         0.39         24.14         30         PASS           Band4         10         20175         5         #Mid         16QAM         24.71         0.39         25.10         30         <				25							
Band4         10         20000         25         #Max         16QAM         22.52         0.39         22.91         30         PASS           Band4         10         20000         50         #O         16QAM         22.54         0.39         22.93         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.56         0.39         24.95         30         PASS           Band4         10         20175         1         #Mid         QPSK         24.56         0.39         24.97         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.68         0.39         24.07         30         PASS           Band4         10         20175         25         #Mid         QPSK         23.60         0.39         24.07         30         PASS           Band4         10         20175         50         #0         QPSK         23.80         0.39         24.07         30         PASS           Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.10         30							22.49				
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Band4         10         20175         25         #Mid         QPSK         23.75         0.39         24.14         30         PASS           Band4         10         20175         25         #Max         QPSK         23.80         0.39         24.19         30         PASS           Band4         10         20175         1         #0         16QAM         24.71         0.39         24.07         30         PASS           Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.10         30         PASS           Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.20         30         PASS           Band4         10         20175         25         #0         16QAM         22.73         0.39         23.27         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.93         0.39         23.22         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30				25							
Band4         10         20175         25         #Max         QPSK         23.80         0.39         24.19         30         PASS           Band4         10         20175         50         #0         QPSK         23.68         0.39         24.07         30         PASS           Band4         10         20175         1         #0         16QAM         24.71         0.39         25.20         30         PASS           Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.20         30         PASS           Band4         10         20175         25         #0         16QAM         22.73         0.39         23.12         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.27         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.81         0.39         25.20         30											
Band4         10         20175         50         #0         QPSK         23.68         0.39         24.07         30         PASS           Band4         10         20175         1         #0         16QAM         24.71         0.39         25.10         30         PASS           Band4         10         20175         1         #Mid         16QAM         25.08         0.39         25.47         30         PASS           Band4         10         20175         25         #0         16QAM         22.03         0.39         25.47         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.22         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.81         0.39         25.20         30         <											
Band4         10         20175         1         #0         16QAM         24.71         0.39         25.10         30         PASS           Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.20         30         PASS           Band4         10         20175         25         #0         16QAM         22.73         0.39         23.12         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.73         0.39         23.22         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.22         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.22         30											
Band4         10         20175         1         #Mid         16QAM         24.81         0.39         25.20         30         PASS           Band4         10         20175         1         #Max         16QAM         25.08         0.39         25.47         30         PASS           Band4         10         20175         25         #0         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.32         30         PASS           Band4         10         20350         1         #0         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.21         30         PASS           Band4         10         20350         25         #0         QPSK         24.83         0.39         24.20         30 <td< td=""><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				1							
Band4         10         20175         1         #Max         16QAM         25.08         0.39         25.47         30         PASS           Band4         10         20175         25         #0         16QAM         22.73         0.39         23.22         30         PASS           Band4         10         20175         25         #Max         16QAM         22.93         0.39         23.32         30         PASS           Band4         10         20175         50         #0         16QAM         22.93         0.39         23.32         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.81         0.39         25.22         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.62         0.39         25.01         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.81         0.39         24.04         30											
Band4         10         20175         25         #0         16QAM         22.73         0.39         23.12         30         PASS           Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         55         #Max         16QAM         22.83         0.39         23.32         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30         PASS           Band4         10         20350         1         #0         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Max         QPSK         24.83         0.39         25.01         30         PASS           Band4         10         20350         25         #0         QPSK         23.82         0.39         24.21         30         PASS           Band4         10         20350         25         #Max         QPSK         23.85         0.39         24.04         30 <t< td=""><td>Band4</td><td>10</td><td>20175</td><td>1</td><td>#Max</td><td></td><td></td><td>0.39</td><td></td><td>30</td><td>PASS</td></t<>	Band4	10	20175	1	#Max			0.39		30	PASS
Band4         10         20175         25         #Mid         16QAM         22.87         0.39         23.26         30         PASS           Band4         10         20175         25         #Max         16QAM         22.93         0.39         23.27         30         PASS           Band4         10         20350         1         #0         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.22         30         PASS           Band4         10         20350         25         #0         QPSK         23.82         0.39         24.21         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.65         0.39         24.01         30         PASS           Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         <				25							
Band4         10         20175         25         #Max         16QAM         22.93         0.39         23.32         30         PASS           Band4         10         20175         50         #0         16QAM         22.88         0.39         23.27         30         PASS           Band4         10         20350         1         #0         QPSK         24.81         0.39         25.22         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.22         30         PASS           Band4         10         20350         1         #Max         QPSK         24.62         0.39         25.01         30         PASS           Band4         10         20350         25         #0         QPSK         23.81         0.39         24.21         30         PASS           Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         P	Band4	10	20175	25	#Mid	16QAM	22.87	0.39	23.26	30	PASS
Band4         10         20350         1         #0         QPSK         24.81         0.39         25.20         30         PASS           Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.22         30         PASS           Band4         10         20350         25         #Max         QPSK         23.82         0.39         25.01         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.81         0.39         24.21         30         PASS           Band4         10         20350         25         #Max         QPSK         23.85         0.39         24.04         30         PASS           Band4         10         20350         50         #O         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.05         0.39         25.43         30 <td< td=""><td>Band4</td><td>10</td><td>20175</td><td></td><td>#Max</td><td></td><td>22.93</td><td>0.39</td><td>23.32</td><td>30</td><td>PASS</td></td<>	Band4	10	20175		#Max		22.93	0.39	23.32	30	PASS
Band4         10         20350         1         #Mid         QPSK         24.83         0.39         25.22         30         PASS           Band4         10         20350         1         #Max         QPSK         24.62         0.39         25.01         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.82         0.39         24.21         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.04         0.39         25.61         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.05         0.39         25.61         30 <t< td=""><td>Band4</td><td>10</td><td>20175</td><td>50</td><td>#0</td><td>16QAM</td><td>22.88</td><td>0.39</td><td>23.27</td><td>30</td><td>PASS</td></t<>	Band4	10	20175	50	#0	16QAM	22.88	0.39	23.27	30	PASS
Band4         10         20350         1         #Max         QPSK         24.62         0.39         25.01         30         PASS           Band4         10         20350         25         #0         QPSK         23.82         0.39         24.21         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Max         16QAM         25.02         0.39         25.44         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.81         0.39         23.18         30 <t< td=""><td>Band4</td><td>10</td><td>20350</td><td>1</td><td>#0</td><td>QPSK</td><td>24.81</td><td>0.39</td><td>25.20</td><td>30</td><td>PASS</td></t<>	Band4	10	20350	1	#0	QPSK	24.81	0.39	25.20	30	PASS
Band4         10         20350         25         #0         QPSK         23.82         0.39         24.21         30         PASS           Band4         10         20350         25         #Mid         QPSK         23.81         0.39         24.20         30         PASS           Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.22         0.39         25.61         30         PASS           Band4         10         20350         25         #0         16QAM         25.05         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.81         0.39         23.18         30	Band4	10	20350	1	#Mid	QPSK	24.83	0.39	25.22	30	PASS
Band4         10         20350         25         #Mid         QPSK         23.81         0.39         24.20         30         PASS           Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Max         16QAM         25.02         0.39         25.61         30         PASS           Band4         10         20350         1         #Max         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Max         16QAM         22.91         0.39         23.18         30	Band4	10	20350	1	#Max	QPSK	24.62	0.39	25.01	30	
Band4         10         20350         25         #Max         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.02         0.39         25.61         30         PASS           Band4         10         20350         25         #0         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.18         30         PASS           Band4         10         20350         25         #Max         16QAM         22.91         0.39         23.18         30	Band4	10	20350	25	#0	QPSK	23.82	0.39	24.21	30	PASS
Band4         10         20350         50         #0         QPSK         23.65         0.39         24.04         30         PASS           Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.02         0.39         25.61         30         PASS           Band4         10         20350         25         #0         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.81         0.39         23.18         30         PASS           Band4         10         20350         25         #Max         16QAM         22.80         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.18         30         <	Band4	10	20350	25	#Mid	QPSK	23.81	0.39	24.20	30	PASS
Band4         10         20350         1         #0         16QAM         25.04         0.39         25.43         30         PASS           Band4         10         20350         1         #Mid         16QAM         25.22         0.39         25.61         30         PASS           Band4         10         20350         25         #0         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.30         30         PASS           Band4         10         20350         25         #Max         16QAM         22.91         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.29         0.39         24.68         30	Band4	10	20350	25	#Max	QPSK	23.65	0.39	24.04	30	PASS
Band4         10         20350         1         #Mid         16QAM         25.22         0.39         25.61         30         PASS           Band4         10         20350         1         #Max         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.30         30         PASS           Band4         10         20350         25         #Max         16QAM         22.79         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.18         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Max         QPSK         24.26         0.39         24.74         30	Band4	10	20350	50	#0	QPSK	23.65	0.39	24.04	30	PASS
Band4         10         20350         1         #Max         16QAM         25.05         0.39         25.44         30         PASS           Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.30         30         PASS           Band4         10         20350         25         #Max         16QAM         22.79         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         36         #0         QPSK         24.35         0.39         23.75         30 <t< td=""><td>Band4</td><td>10</td><td>20350</td><td>1</td><td>#0</td><td>16QAM</td><td>25.04</td><td>0.39</td><td>25.43</td><td>30</td><td>PASS</td></t<>	Band4	10	20350	1	#0	16QAM	25.04	0.39	25.43	30	PASS
Band4         10         20350         25         #0         16QAM         22.81         0.39         23.20         30         PASS           Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.30         30         PASS           Band4         10         20350         25         #Max         16QAM         22.79         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.29         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.26         0.39         24.74         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.36         0.39         23.75         30         <				1							
Band4         10         20350         25         #Mid         16QAM         22.91         0.39         23.30         30         PASS           Band4         10         20350         25         #Max         16QAM         22.79         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>30</td><td></td></t<>										30	
Band4         10         20350         25         #Max         16QAM         22.79         0.39         23.18         30         PASS           Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Band4         10         20350         50         #0         16QAM         22.80         0.39         23.19         30         PASS           Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         25.47         30         PA	Band4				#Mid				23.30	30	
Band4         15         20025         1         #0         QPSK         24.29         0.39         24.68         30         PASS           Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PAS											
Band4         15         20025         1         #Mid         QPSK         24.26         0.39         24.65         30         PASS           Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Max         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.08         0.39         25.47         30				50							
Band4         15         20025         1         #Max         QPSK         24.35         0.39         24.74         30         PASS           Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Band4         15         20025         36         #0         QPSK         23.36         0.39         23.75         30         PASS           Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Band4         15         20025         36         #Mid         QPSK         23.34         0.39         23.73         30         PASS           Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30											
Band4         15         20025         36         #Max         QPSK         23.37         0.39         23.76         30         PASS           Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS											
Band4         15         20025         75         #0         QPSK         23.41         0.39         23.80         30         PASS           Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS											
Band4         15         20025         1         #0         16QAM         25.08         0.39         25.47         30         PASS           Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS											
Band4         15         20025         1         #Mid         16QAM         25.00         0.39         25.39         30         PASS           Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS				75							
Band4         15         20025         1         #Max         16QAM         25.06         0.39         25.45         30         PASS           Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS											
Band4         15         20025         36         #0         16QAM         22.55         0.39         22.94         30         PASS           Band4         15         20025         36         #Mid         16QAM         22.50         0.39         22.89         30         PASS	Band4			1							
Band4 15 20025 36 #Mid 16QAM 22.50 0.39 22.89 30 PASS	Band4		20025		#Max	16QAM	25.06	0.39	25.45	30	PASS
	Band4		20025	36		16QAM	22.55	0.39	22.94	30	PASS
Band4 15 20025 36 #Max 16QAM 22.60 0.39 22.99 30 PASS	Band4				#Mid						
	Band4	15	20025	36	#Max	16QAM	22.60	0.39	22.99	30	PASS

Band4	15	20025	75	#0	16QAM	22.45	0.39	22.84	30	PASS
Band4	15	20175	1	#0	QPSK	24.34	0.39	24.73	30	PASS
Band4	15	20175	1	#Mid	QPSK	24.68	0.39	25.07	30	PASS
Band4	15	20175	1	#Max	QPSK	24.83	0.39	25.22	30	PASS
Band4	15	20175	36	#0	QPSK	23.56	0.39	23.95	30	PASS
Band4	15	20175	36	#Mid	QPSK	23.77	0.39	24.16	30	PASS
Band4	15	20175	36	#Max	QPSK	23.83	0.39	24.22	30	PASS
Band4	15	20175	75	#0	QPSK	23.68	0.39	24.07	30	PASS
Band4	15	20175	1	#0	16QAM	24.54	0.39	24.93	30	PASS
Band4	15	20175	1	#Mid	16QAM	24.84	0.39	25.23	30	PASS
Band4	15	20175	1	#Max	16QAM	25.05	0.39	25.44	30	PASS
Band4	15	20175	36	#0	16QAM	22.79	0.39	23.18	30	PASS
Band4	15	20175	36	#Mid	16QAM	22.83	0.39	23.22	30	PASS
Band4	15	20175	36	#Max	16QAM	22.99	0.39	23.38	30	PASS
Band4	15	20175	75	#0	16QAM	22.75	0.39	23.14	30	PASS
Band4	15	20325	1	#0	QPSK	24.98	0.39	25.37	30	PASS
Band4	15	20325	1	#Mid	QPSK	24.79	0.39	25.18	30	PASS
Band4	15	20325	1	#Max	QPSK	24.65	0.39	25.04	30	PASS
Band4	15	20325	36	#1VIAX #0	QPSK	23.80	0.39	24.19	30	PASS
Band4	15	20325	36	#Mid	QPSK	23.85	0.39	24.24	30	PASS
Band4	15	20325	36	#Max	QPSK	23.63	0.39	24.02	30	PASS
Band4	15	20325	75	#0	QPSK	23.71	0.39	24.10	30	PASS
Band4	15	20325	1	#0	16QAM	25.36	0.39	25.75	30	PASS
Band4	15	20325	1	#Mid	16QAM	25.31	0.39	25.70	30	PASS
Band4	15	20325	1	#Max	16QAM	25.22	0.39	25.61	30	PASS
Band4	15	20325	36	#0	16QAM	22.81	0.39	23.20	30	PASS
Band4	15	20325	36	#Mid	16QAM	22.78	0.39	23.17	30	PASS
Band4	15	20325	36	#Max	16QAM	22.64	0.39	23.03	30	PASS
Band4	15	20325	75	#0	16QAM	22.90	0.39	23.29	30	PASS
Band4	20	20050	1	#0	QPSK	24.38	0.39	24.77	30	PASS
Band4	20	20050	1	#Mid	QPSK	24.43	0.39	24.82	30	PASS
Band4	20	20050	1	#Max	QPSK	24.79	0.39	25.18	30	PASS
Band4	20	20050	50	#0	QPSK	23.33	0.39	23.72	30	PASS
Band4	20	20050	50	#Mid	QPSK	23.30	0.39	23.69	30	PASS
Band4	20	20050	50	#Max	QPSK	23.43	0.39	23.82	30	PASS
Band4	20	20050	100	#0	QPSK	23.36	0.39	23.75	30	PASS
Band4	20	20050	1	#0	16QAM	23.96	0.39	24.35	30	PASS
Band4	20	20050	1	#Mid	16QAM	23.93	0.39	24.32	30	PASS
Band4	20	20050	1	#Max	16QAM	24.31	0.39	24.70	30	PASS
Band4	20	20050	50	#0	16QAM	22.54	0.39	22.93	30	PASS
Band4	20	20050	50	#Mid	16QAM	22.58	0.39	22.97	30	PASS
Band4	20	20050	50	#Max	16QAM	22.60	0.39	22.99	30	PASS
Band4	20	20050	100	#IVIAX #0	16QAM	22.51	0.39	22.90	30	PASS
Band4	20	20175	1	#0	QPSK	24.56	0.39	24.95	30	PASS
Band4	20	20175	1	#Mid	QPSK	24.94	0.39	25.33	30	PASS
Band4	20	20175	1	#Max	QPSK	25.12	0.39	25.51	30	PASS
Band4	20	20175	50	#IVIAX #0	QPSK	23.53	0.39	23.92	30	PASS
Band4	20	20175	50	#Mid	QPSK	23.66	0.39	24.05	30	PASS
Band4	20	20175	50	#Max	QPSK	23.87	0.39	24.26	30	PASS
Band4	20	20175	100	#IVIAX #0	QPSK	23.73	0.39	24.20	30	PASS
Band4	20	20175	1	#0	16QAM	24.05	0.39	24.12	30	PASS
Band4	20	20175	1	#Mid	16QAM	24.03	0.39	24.44	30	PASS
Band4	20	20175	1	#Max	16QAM	24.54	0.39	24.09	30	PASS
Band4	20	20175	50	#IVIAX #0	16QAM	22.65	0.39	23.04	30	PASS
Band4	20	20175	50	#Mid	16QAM	22.83	0.39	23.22	30	PASS
Band4	20	20175	50	#Max	16QAM	22.03	0.39	23.22	30	PASS
Band4	20	20175	100	#IVIAX #0	16QAM	22.80	0.39	23.19	30	PASS
	20	20175		#0 #0	QPSK		0.39	25.25	30	PASS
Band4	20	20300	1	#U #Mid	QPSK	24.86	0.39		30	
Band4	20	20300	1			24.82		25.21		PASS
Band4				#Max	QPSK	24.65	0.39	25.04	30	PASS
Band4	20	20300	50	#0	QPSK	23.85	0.39	24.24	30	PASS

Band4	20	20300	50	#Mid	QPSK	23.82	0.39	24.21	30	PASS
Band4	20	20300	50	#Max	QPSK	23.80	0.39	24.19	30	PASS
Band4	20	20300	100	#0	QPSK	23.81	0.39	24.20	30	PASS
Band4	20	20300	1	#0	16QAM	24.77	0.39	25.16	30	PASS
Band4	20	20300	1	#Mid	16QAM	24.85	0.39	25.24	30	PASS
Band4	20	20300	1	#Max	16QAM	24.71	0.39	25.10	30	PASS
Band4	20	20300	50	#0	16QAM	22.98	0.39	23.37	30	PASS
Band4	20	20300	50	#Mid	16QAM	22.90	0.39	23.29	30	PASS
Band4	20	20300	50	#Max	16QAM	23.00	0.39	23.39	30	PASS
Band4	20	20300	100	#0	16QAM	22.81	0.39	23.20	30	PASS

Report No.: LGT23L113RF07 Page 34 of 518