

# RF TEST REPORT

Product Name: Smart phone

Model Name: TickTock-S, Golden Eye

FCC ID: 2AK6CTICKTOCK-S

Issued For : Shanghai Unihertz E-Commerce Co., Ltd

Room 308, Building C, 508Chundong Rd, Minhang district

Shanghai, China 201108

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

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,

No.177 Renmin West Road, Jinsha Community, Kengzi

Street, Pingshan New District, Shenzhen, China

Report Number: LGT22K048RF017

Sample Received Date: Nov. 21, 2022

Date of Test: Nov. 21, 2022 – Feb. 17, 2023

Date of Issue: Feb. 17, 2023

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

## **TEST REPORT CERTIFICATION**

Applicant Shanghai Unihertz E-Commerce Co., Ltd

Room 308, Building C, 508Chundong Rd, Minhang district

Shanghai, China 201108

Manufacturer OBLUE Communication Technology Co., Ltd.

Room 702, Hepingdayou industrial and trade industrial

Address park, No. 41, Yonghe Road, Heping Community, Fuhai

Street, Baoan District, Shenzhen City, China

Product Name Smart phone

Trademark Unihertz

Model Name TickTock-S, Golden Eye

Sample Status: Normal

APPLICABLE S	STANDARDS		
STANDARD	TEST RESULTS		
FCC Part 22H and 24E, 27, 90	PASS		
KDB 971168 D01 v03r01, ANSI C63.26(2015)	FASS		

Prepared by:

Zane Shan

Zane Shan

Engineer

Approved by:

Vita Li

Technical Director

Report No.: LGT22K048RF018 Page 2 of 838

Table of Contents	Page
1. TEST FACTORY & MEASUREMENT UNCERTAINTY	5
2. GENERAL INFORMATION	6
3. CONDUCTED OUTPUT POWER	15
4. PEAK-TO-AVERAGE RATIO	16
5. RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER	17
6. OCCUPIED BANDWIDTH	19
7. CONDUCTED BAND EDGE	20
8. CONDUCTED SPURIOUS EMISSION	22
9. RADIATED SPURIOUS EMISSION	23
10. FREQUENCY STABILITY	25
APPENDIX I-PHOTOS OF TEST SETUP	26
APPENDIX II-TEST DATA	26
01 FREQUENCY STABILITY	26
02 PEAK-TO-AVERAGE RATIO	30
03 OCCUPIED BANDWIDTH	212
04 BAND EDGE	394
05 OUT-OF-BAND EMISSIONS	519
06 CONDUCTED OUTPUT POWER	705
07 RADIATED SPURIOUS EMISSION	778

Report No.: LGT22K048RF018 Page 3 of 838

## **Revision History**

Rev.	Issue Date	Contents
00	Feb. 17, 2023	Initial Issue

Report No.: LGT22K048RF018 Page 4 of 838

## 1. TEST FACTORY & MEASUREMENT UNCERTAINTY

## 1.1 TEST FACTORY

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

## 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%

Report No.: LGT22K048RF018 Page 5 of 838

## 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	Unihertz
Model Name	TickTock-S
Series Model	Golden Eye
Model Difference	The back of the TickTock-S is a 1.3-inch diameter circular screen with a resolution of 360*360.  The back of the Golden Eye is a 500-lumen 1.3-inch diameter circular LED light (camping light).
	U.S. Bands:
	LTE FDD Band 2
	LTE FDD Band 4
	LTE FDD Band 5
	LTE FDD Band 7
	LTE FDD Band 12
Fraguency Danda	LTE FDD Band 13
Frequency Bands	LTE FDD Band 17
	LTE FDD Band 25
	LTE FDD Band 26
	LTE TDD Band 38
	LTE TDD Band 40
	LTE TDD Band 41
	LTE FDD Band 66
SIM Card	SIM 1 and SIM 2 is a chipset unit and tested as single chipset,
Olivi Gara	SIM 1 is used to tested.
Antenna	PIFA
	LTE FDD Band 2: -2.8
	LTE FDD Band 4:-3.3
	LTE FDD Band 5:-2.1
	LTE FDD Band 7:-2.3
	LTE FDD Band 12:-2.5
Antenna gain(dBi)	LTE FDD Band 13:-2.8
	LTE FDD Band 17:-2.7
	LTE FDD Band 25:-2.8
	LTE FDD Band 26:-2.1
	LTE TDD Band 38:-2.2
	LTE TDD Band 40:3.5

Report No.: LGT22K048RF018 Page 6 of 838

	LTE TDD Band 41: -2.2
	LTE FDD Band 66:-3.3
Patton/ parameter	Capacity: 5200mAh
Battery parameter	Rated Voltage: 3.85V
Adapter:	Model: HJ-PD33W-EU Input: 100-240V~50/60Hz, 0.8A Output: 5V, 3A OR 9V,3A OR 12V,2.75A, 33.0W MAX
Extreme Vol. Limits	3.5V to 4.35V (Nominal 3.87V)
Extreme Temp. Tolerance	-0℃ to +40℃
Hardware version number	G89_V1.1
Software version number	TickTock-S_20220921

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

Report No.: LGT22K048RF018 Page 7 of 838

## 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
Tx Frequency	LTE Band 5: 824~849MHz
	LTE Band 7:2500~2570MHz
	LTE Band 12: 699-716MHz
	LTE Band 13: 777-787MHz
	LTE Band 17:704~716MHz
	LTE Band 25: 1850-1915MHz
	LTE Band 26: 814-824MHz
	LTE Band 26: 824-849MHz
	LTE Band 38: 2570-2620MHz
	LTE Band 40: 2305-2315/2350-2360MHz
	LTE Band 41: 2555-2655MHz
	LTE Band 66: 1710-1780MHz
	LTE Band 2: 1930-1990MHz
	LTE Band 4: 2110-2155MHz
	LTE Band 5: 869-894MHz
	LTE Band 7: 2620-2690MHz
	LTE Band 12: 729-746MHz
Rx Frequency	LTE Band 13: 746-756MHz
	LTE Band 17: 734-746MHz
	LTE Band 25: 1930-1995MHz
	LTE Band 26: 859-869MHz
	LTE Band 26: 869-894MHz
	LTE Band 38: 2570-2620MHz
	LTE Band 40: 2305-2315MHz
	2350-2360MHz
	LTE Band 41: 2496-2690MHz
	LTE Band 66: 2110-2200MHz
	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 7: 5MHz / 10MHz / 15MHz /20MHz
	LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz
	LTE Band 13: 5MHz / 10MHz
Bandwidth	LTE Band 17: 5MHz / 10MHz
24477411	LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz
	LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz/15MHz
	LTE Band 38: 5MHz / 10MHz / 15MHz /20MHz
	LTE Band 40: 5MHz / 10MHz
	LTE Band 41: 5MHz / 10MHz / 15MHz /20MHz
Type of Modulation	
Type of Modulation	LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz /20MHz  QPSK /16QAM

Report No.: LGT22K048RF018 Page 8 of 838

### 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	Bandwidth (MHz)					2)	Modu	RB#			Test Channel			
	20110	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	Н
	2	٧	٧	٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	4	٧	٧	٧	٧	٧	٧	V	V	٧	٧	٧	٧	٧	٧
	5	٧	>	٧	٧			٧	V	٧	٧	٧	٧	٧	٧
	7			٧	٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧
	12	٧	٧	٧	٧			V	V	V	V	٧	٧	٧	V
	13			٧	٧			V	V	V	V	٧		٧	
Max. Output	17			٧	٧			V	V	V	V	٧	٧	٧	٧
Power	25	٧	٧	٧	٧	٧	٧	V	V	V	V	٧	٧	٧	٧
	26	٧	٧	٧	٧	٧		V	V	V	V	V	٧	٧	٧
	38			٧	٧	٧	٧	V	V	V	V	V	٧	٧	٧
	40			٧	٧			V	V	V	V	V	٧	٧	٧
	41			٧	٧	٧	٧	V	V	V	V	V	٧	٧	٧
	66	٧	٧	٧	٧	٧	٧	V	V	V	V	V	٧	٧	٧
	2						٧	V	V	V		V	٧	٧	٧
	4						٧	V	V	V		V	٧	٧	٧
	5				٧			V	V	V		V	٧	٧	V
	7						٧	V	V	V		V	٧	٧	٧
	12				٧			V	V	V		V	٧	٧	٧
	13				٧			V	V	V		V		٧	
Peak&Avera	17				٧			V	V	V		V	٧	٧	٧
Ratio	25						٧	V	V	V		V	٧	٧	٧
	26					٧		V	V	٧		٧	٧	٧	٧
	38						٧	٧	V	V		٧	٧	٧	٧
	40				٧			V	V	V		٧		٧	
	41						٧	V	V	V		V	٧	٧	٧
	66						٧	V	V	٧		V	٧	٧	٧

Page 9 of 838 Report No.: LGT22K048RF018

26dB&99% Bandwidth  26dB&99% Bandwidth  26d					1						1	I	1		ı	
S		2	V	٧	٧	٧	٧	V	V	V			V	٧	٧	V
26dB&99% Bandwidth  7			V	٧	٧	٧	٧	٧	V	V			V	٧	٧	V
26dB&99% Bandwidth  12			٧	٧	٧	٧			V	V			V	٧	٧	٧
26dB&99% Bandwidth  13		7			٧	٧	٧	٧	V	V			V	٧	٧	٧
26dB&99% Bandwidth  25		12	٧	٧	٧	٧			V	V			V	٧	٧	٧
Bandwidth   25		13			٧	٧			V	V			V		٧	
Conducted Band Edge    25		17			٧	٧			V	V			V	٧	٧	٧
38	Bandwidth	25	٧	٧	٧	٧	٧	٧	V	V			٧	٧	٧	٧
40		26	٧	٧	٧	٧	٧		V	٧			V	٧	٧	٧
A1		38			٧	٧	٧	٧	V	V	V	V	V	٧	٧	V
Conducted Band Edge					٧	٧			V	V	V	V	V	٧	٧	V
Conducted Band Edge    2								٧						٧		٧
Conducted Band Edge  A			V	٧	٧	٧	٧	V	V	V			V	V	V	V
Conducted Band Edge    5			V	٧	٧	٧	٧	V	V	V	V		V	٧	٧	V
Conducted Band Edge		4	V	٧	٧	٧	٧	٧	V	V	V		V	٧	٧	٧
Conducted Band Edge		5	٧	٧	٧	٧			V	V	V		V	٧	٧	V
Conducted Band Edge    13		7			٧	٧	٧	٧	V	٧	V		V	٧	٧	٧
Conducted Band Edge    17		12	٧	٧	٧	٧			V	٧	V		V	٧	٧	V
Band Edge		13			٧	٧			V	٧	V		V		٧	
25		17			٧	٧			V	٧	٧		٧	٧	٧	٧
38	Dana Lage	25	٧	٧	٧	٧	٧	٧	V	٧	٧		٧	٧	٧	٧
40		26	٧	٧	٧	٧	٧		V	٧	٧		٧	٧	٧	٧
41       V		38			٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
66		40			٧	٧			V	٧	٧	٧	V	٧	٧	V
2		41			٧	٧	٧	٧	V	٧	٧		٧	٧	٧	٧
4       v		66	٧	٧	٧	٧	٧	٧	V	٧	V		٧	٧	٧	٧
5		2	٧	٧	٧	٧	٧	٧	V	٧	V			٧	٧	٧
7		4	٧	٧	٧	٧	٧	٧	V	٧	٧			٧	٧	٧
12		5	٧	٧	٧	٧			V	٧	٧			٧	٧	٧
Conducted 13 V V V V V V		7			٧	٧	٧	٧	V	٧	٧			٧	٧	V
Conducted		12	V	٧	٧	٧			V	V	V			V	٧	٧
	Conducted	13			٧	٧			V	٧	٧				٧	
Spurious   17	Spurious Emission	17			٧	٧			V	٧	٧			٧	٧	٧
Emission		25	٧	٧	٧	٧	٧	٧	V	٧	V			٧	٧	٧
26 V V V V V V V V V V V V V V		26	٧	٧	٧	٧	٧		V	٧	٧			٧	٧	٧
		38			v	٧		٧		V	V	V	V	V	٧	٧
																V
							٧	V					-			V
			v	٧		٧		V			٧			V	V	V

Part		_	I	1	1			1	<u> </u>		1	1	1	1	1	
Frequency Stability  Frequency		2				٧			V				V		٧	
Frequency Stability						٧			V				V		٧	
12						٧			V				V		٧	
13		7				٧			V				V		٧	
T17		12				٧			V				V		٧	
Stability    25		13				٧			V				V		٧	
Secondary   Seco	Frequency	17				٧			V				V		٧	
Sas	Stability	25				٧			V				V		٧	
Harmonia		26				٧			V				V		٧	
Harmonia		38						٧	V	٧	V		V	٧	٧	٧
Rediated Spurious   Figure		40				٧			V	٧	V		V		٧	
E.R.P.& E.I.R.P.  A		41				٧			V				V		٧	
E.R.P.& E.I.R.P.    A		66				٧			V				V		٧	
E.R.P.& E.I.R.P. E.I.		2	٧	٧	٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
E.R.P.& E.I.R.P.    12		4	٧	٧	٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
E.R.P.& E.I.R.P.& E.I.R.P.		5	٧	٧	٧	٧			V	٧	٧	٧	٧	٧	٧	٧
E.R.P.& E.I.R.P.    13		7			٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
E.R.P.& E.I.R.P. E.I.		12	٧	٧	٧	٧			V	٧	٧	٧	٧	٧	٧	٧
E.I.R.P.  25		13			٧	٧			V	٧	٧	٧	٧		٧	
Radiated Spurious Emission    26		17			٧	٧			V	٧	٧	٧	٧	٧	٧	٧
38	E.I.R.P.	25	٧	٧	٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
A0		26	٧	٧	٧	٧	٧		V	٧	٧	٧	٧	٧	٧	٧
A1		38			٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
Radiated Spurious Emission		40			٧	٧			V	٧	٧	٧	٧	٧	٧	٧
2		41			٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧	٧
Radiated Spurious Emission  A v v v v v v v v v v v v v v v v v v		66	٧	٧	٧	٧	٧	٧	V	٧	٧	٧	V	٧	٧	٧
Radiated Spurious Emission      Solution   S		2	٧	٧	٧	٧	٧	٧	V		٧			٧	٧	٧
Radiated Spurious Emission		4	٧	٧	٧	٧	٧	٧	V		V			٧	٧	٧
Radiated Spurious Emission		5	٧	٧	٧	٧			V		٧			٧	٧	٧
Radiated Spurious Emission		7			٧	٧	٧	٧	V		V			٧	٧	V
Spurious Emission		12	٧	٧	٧	٧			V		V			٧	٧	٧
Spurious Emission     17     v<	Spurious	13			٧	٧			V		٧				٧	
Emission 25 v v v v v v v v v v v v v v v v v v		17			٧	٧			V		٧			٧	٧	٧
38		25	٧	٧	٧	٧	٧	٧	V		V			٧	٧	٧
40		26	٧	٧	٧	٧	٧		V		V			٧	٧	٧
41		38			٧	٧	٧	٧	V	٧	٧	V	٧	٧	٧	٧
		40			٧	٧			V	٧	V	V	V	٧	٧	٧
66 V V V V V V V V V V V V V V V V V V		41			٧	٧	٧	٧	V		V			٧	٧	٧
		66	٧	٧	٧	٧	٧	٧	V		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, 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.: LGT22K048RF018 Page 12 of 838

### 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 『Length』 column.
- (2) "YES" is means "with core"; "NO" is means "without core".

Report No.: LGT22K048RF018 Page 13 of 838

### 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.

Radiated Test equ	uipment	- , ,	, -,	, -	
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
Active loop Antenna	R&S	HFH2-Z2	POS871398181	2022.06.02	2024.06.01
Spectrum Analyzer	Kesight	N9010B	MY60242508	2022.04.29	2023.04.28
Bilog Antenna	SCHAFFNER	CBL6112B	2705	2022.06.05	2024.06.04
Horn Antenna	SCHWARZBECK	3115	10SL0060	2022.06.02	2024.06.01
Pre- amplifier(0.1M- 3GHz)	HP	8447D	2727A05655	2022.04.11	2023.04.10
Pre-amplifier(1- 26.5G)	Agilent	8449B	3008A4722	2022.04.13	2023.04.12
RE Cable (9K- 1G)	N.A	R01	N.A	2022.05.05	2023.05.04
RE Cable (1- 26G)	N.A	R02	N.A	2022.05.05	2023.05.04
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software		EMC	C-I_V1.4.0.3_SKET		

Conducted Test equipme	ent				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	keysight	N9010B	MY60242508	2022.04.29	2023.04.28
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
MXG Vector Signal Generator	keysight	N5182B	MY59100717	2022.06.02	2023.06.01
RF Automatic Test system	MW	MW100- RFCB	MW220324LG- 33	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2022.05.10	2023.05.09
Attenuator	eastsheep	90db	N.A	2022.04.29	2023.04.28
Testing Software		MT	\$8200_ V2.0.0.0		

Report No.: LGT22K048RF018 Page 14 of 838

### 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.: LGT22K048RF018 Page 15 of 838

### 4. PEAK-TO-AVERAGE RATIO

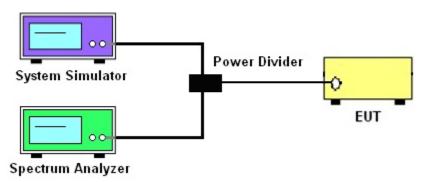
### 4.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

### 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.

			LI	Έ		
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.: LGT22K048RF018 Page 16 of 838

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

### 5.1 DESCRIPTION OF THE ERP/EIRP MEASUREMENT

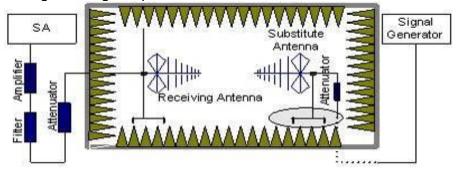
### 5.1.1 MEASUREMENT METHOD

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.

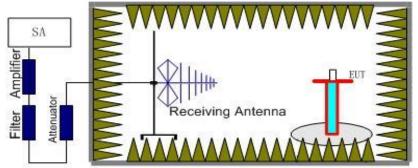
### 5.1.2 TEST SETUP

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.: LGT22K048RF018 Page 17 of 838

### 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.: LGT22K048RF018 Page 18 of 838

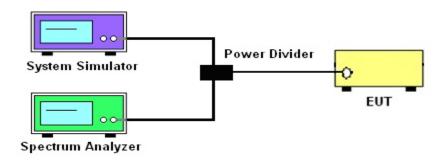
### 6. OCCUPIED BANDWIDTH

### 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.

			LI	ſΕ		
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	Auto

# 6.1.4 MEASUREMENT RESULT Note: Test chart See Appendix II

Report No.: LGT22K048RF018 Page 19 of 838

### 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  $43 + 10\log 10(P[Watts])$  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)

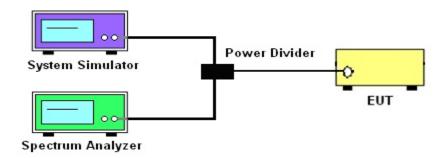
For operations in the 2500 MHz ~ 2570 MHz band this section, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, 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.: LGT22K048RF018 Page 20 of 838

### 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.

			נז	Έ		
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	12MHz	13MHz	15MHz	20MHz	25MHz	30MHz
RBW	30kHz	30kHz	100kHz	100kHz	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

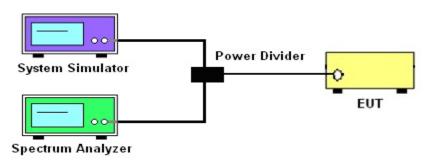
### 8.1.1 MEASUREMENT METHOD

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

			LT	Έ		
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	Auto	Auto	Auto	Auto	Auto	Auto
RBW	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz
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.: LGT22K048RF018 Page 22 of 838

### 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

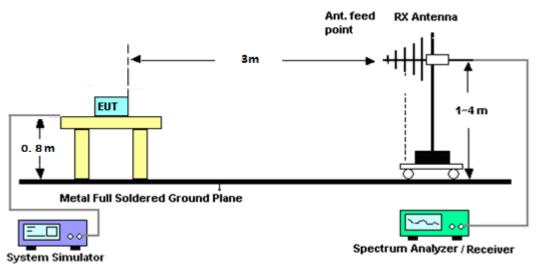
The procedure of radiated spurious emissions is as follows:

- 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.

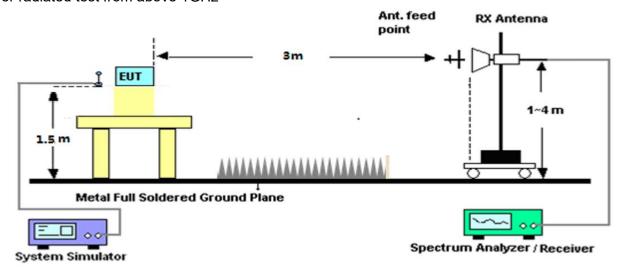
The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable 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.: LGT22K048RF018 Page 23 of 838

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.: LGT22K048RF018 Page 24 of 838

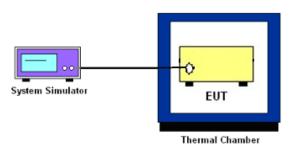
### 10. FREQUENCY STABILITY

### 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  $\pm 0.00025\%$  ( $\pm 2.5$ ppm) 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.: LGT22K048RF018 Page 25 of 838

## **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**

01 Frequency stability

01 Frequency s										•
Band	Bandwid th (MHz)	UL Chann el	RB Siz e	RB Positio n	Modulati on	Result(H z)	Resu It (ppm	Low Limit (ppm	high Limit (ppm )	Verdi ct
Band2	20	18700	100	#0	QPSK	-2.49	0.00 1	-2.5	2.5	PASS
Band2	20	18700	100	#0	16QAM	-0.82	0.00	-2.5	2.5	PASS
Band2	20	18900	100	#0	QPSK	-0.80	0.00	-2.5	2.5	PASS
Band2	20	18900	100	#0	16QAM	0.80	0.00	-2.5	2.5	PASS
Band2	20	19100	100	#0	QPSK	-1.86	0.00 1	-2.5	2.5	PASS
Band2	20	19100	100	#0	16QAM	1.69	0.00	-2.5	2.5	PASS
Band4	20	20050	100	#0	QPSK	0.47	0.00	-2.5	2.5	PASS
Band4	20	20050	100	#0	16QAM	-1.77	- 0.00 1	-2.5	2.5	PASS
Band4	20	20175	100	#0	QPSK	-4.08	0.00 2	-2.5	2.5	PASS
Band4	20	20175	100	#0	16QAM	-1.93	0.00 1	-2.5	2.5	PASS
Band4	20	20300	100	#0	QPSK	2.63	0.00	-2.5	2.5	PASS
Band4	20	20300	100	#0	16QAM	1.22	0.00	-2.5	2.5	PASS
Band5	10	20450	50	#0	QPSK	-3.30	- 0.00 4	-2.5	2.5	PASS
Band5	10	20450	50	#0	16QAM	-4.63	0.00 6	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	-1.42	0.00 2	-2.5	2.5	PASS
Band5	10	20525	50	#0	16QAM	-1.62	0.00 2	-2.5	2.5	PASS
Band5	10	20600	50	#0	QPSK	-2.37	- 0.00 3	-2.5	2.5	PASS
Band5	10	20600	50	#0	16QAM	-3.55	- 0.00 4	-2.5	2.5	PASS

Report No.: LGT22K048RF018 Page 26 of 838

		00050	400	""	0.001/	2.22			0.5	D4.00
Band7	20	20850	100	#0	QPSK	-2.20	0.00	-2.5	2.5	PASS
Band7	20	20850	100	#0	16QAM	-1.60	0.00 1	-2.5	2.5	PASS
Band7	20	21100	100	#0	QPSK	-1.32	- 0.00 1	-2.5	2.5	PASS
Band7	20	21100	100	#0	16QAM	0.14	0.00	-2.5	2.5	PASS
Band7	20	21350	100	#0	QPSK	0.19	0.00	-2.5	2.5	PASS
Band7	20	21350	100	#0	16QAM	-2.37	0.00	-2.5	2.5	PASS
Band12	10	23060	50	#0	QPSK	-0.13	0.00	-2.5	2.5	PASS
Band12	10	23060	50	#0	16QAM	-3.30	0.00 5	-2.5	2.5	PASS
Band12	10	23095	50	#0	QPSK	-0.87	0.00 1	-2.5	2.5	PASS
Band12	10	23095	50	#0	16QAM	-3.35	0.00 5	-2.5	2.5	PASS
Band12	10	23130	50	#0	QPSK	-5.35	0.00 8	-2.5	2.5	PASS
Band12	10	23130	50	#0	16QAM	-3.56	0.00 5	-2.5	2.5	PASS
Band13	10	23230	50	#0	QPSK	-2.49	0.00	-2.5	2.5	PASS
Band13	10	23230	50	#0	16QAM	-3.29	0.00 4	-2.5	2.5	PASS
Band17	10	23780	50	#0	QPSK	-1.17	0.00 2	-2.5	2.5	PASS
Band17	10	23780	50	#0	16QAM	-1.80	0.00	-2.5	2.5	PASS
Band17	10	23790	50	#0	QPSK	-1.50	0.00	-2.5	2.5	PASS
Band17	10	23790	50	#0	16QAM	-4.61	0.00	-2.5	2.5	PASS
Band17	10	23800	50	#0	QPSK	-6.25	0.00	-2.5	2.5	PASS
Band17	10	23800	50	#0	16QAM	-2.37	0.00	-2.5	2.5	PASS
Band25	20	26140	100	#0	QPSK	-2.85	- 0.00	-2.5	2.5	PASS

							2			
Band25	20	26140	100	#0	16QAM	-6.29	0.00	-2.5	2.5	PASS
Band25	20	26365	100	#0	QPSK	1.23	0.00 1	-2.5	2.5	PASS
Band25	20	26365	100	#0	16QAM	-3.19	0.00	-2.5	2.5	PASS
Band25	20	26590	100	#0	QPSK	5.11	0.00	-2.5	2.5	PASS
Band25	20	26590	100	#0	16QAM	2.79	0.00	-2.5	2.5	PASS
Band26(824 -849)	15	26865	75	#0	QPSK	-2.83	0.00	-2.5	2.5	PASS
Band26(824 -849)	15	26865	75	#0	16QAM	-3.10	- 0.00 4	-2.5	2.5	PASS
Band26(824 -849)	15	26915	75	#0	QPSK	-0.70	0.00	-2.5	2.5	PASS
Band26(824 -849)	15	26915	75	#0	16QAM	-2.76	0.00	-2.5	2.5	PASS
Band26(824 -849)	15	26965	75	#0	QPSK	-0.03	0.00	-2.5	2.5	PASS
Band26(824 -849)	15	26965	75	#0	16QAM	-2.89	0.00	-2.5	2.5	PASS
Band26(814 -824)	5	26715	25	#0	QPSK	-0.01	0.00	-2.5	2.5	PASS
Band26(814 -824)	5	26715	25	#0	16QAM	0.02	0.00	-2.5	2.5	PASS
Band26(814 -824)	5	26740	25	#0	QPSK	0.12	0.00	-2.5	2.5	PASS
Band26(814 -824)	5	26740	25	#0	16QAM	0.37	0.00 1	-2.5	2.5	PASS
Band26(814 -824)	5	26765	25	#0	QPSK	-2.01	0.00	-2.5	2.5	PASS
Band26(814 -824)	5	26765	25	#0	16QAM	0.97	0.00	-2.5	2.5	PASS
Band38	20	37850	100	#0	QPSK	-2.17	0.00 1	-2.5	2.5	PASS
Band38	20	37850	100	#0	16QAM	-5.25	0.00	-2.5	2.5	PASS
Band38	20	38000	100	#0	QPSK	-4.86	0.00	-2.5	2.5	PASS
Band38	20	38000	100	#0	16QAM	-2.03	0.00	-2.5	2.5	PASS
Band38	20	38150	100	#0	QPSK	-2.96	0.00	-2.5	2.5	PASS

Band38	20	38150	100	#0	16QAM	0.00	0.00	-2.5	2.5	PASS
Band40(230 5-2315)	10	38750	50	#0	QPSK	-1.14	0.00	-2.5	2.5	PASS
Band40(230 5-2315)	10	38750	50	#0	16QAM	-2.65	0.00 1	-2.5	2.5	PASS
Band40(235 0-2360)	10	39200	50	#0	QPSK	-3.89	0.00 2	-2.5	2.5	PASS
Band40(235 0-2360)	10	39200	50	#0	16QAM	-1.77	0.00 1	-2.5	2.5	PASS
Band41(255 5-2655)	20	40340	100	#0	QPSK	3.69	0.00	-2.5	2.5	PASS
Band41(255 5-2655)	20	40340	100	#0	16QAM	-3.35	0.00 1	-2.5	2.5	PASS
Band41(255 5-2655)	20	40740	100	#0	QPSK	-5.21	0.00 2	-2.5	2.5	PASS
Band41(255 5-2655)	20	40740	100	#0	16QAM	-3.55	0.00 1	-2.5	2.5	PASS
Band41(255 5-2655)	20	41140	100	#0	QPSK	-0.72	0.00	-2.5	2.5	PASS
Band41(255 5-2655)	20	41140	100	#0	16QAM	-4.99	0.00 2	-2.5	2.5	PASS
Band66	20	13207 2	100	#0	QPSK	0.13	0.00	-2.5	2.5	PASS
Band66	20	13207 2	100	#0	16QAM	1.24	0.00	-2.5	2.5	PASS
Band66	20	13232 2	100	#0	QPSK	0.86	0.00	-2.5	2.5	PASS
Band66	20	13232 2	100	#0	16QAM	1.62	0.00	-2.5	2.5	PASS
Band66	20	13257 2	100	#0	QPSK	-0.19	0.00	-2.5	2.5	PASS
Band66	20	13257 2	100	#0	16QAM	-1.42	0.00 1	-2.5	2.5	PASS

Band         Bandwidth (MHz)         UL Channel Size (MHz)         RB position (dB) (dB) (dB) (lmit (lmit (dB) (lmit	02 Peak-to-Average	Ratio							
Band2	Band					Modulation		Limit	Verdict
Band2	Pand?	1 /	19607	1	#0	OBSK	5.76		DASS
Band2									
Band2         1.4         18900         1         #0         16QAM         6.50         13         PASS           Band2         1.4         19193         1         #0         QPSK         5.65         13         PASS           Band2         3         18615         1         #0         QPSK         5.75         13         PASS           Band2         3         18615         1         #0         QPSK         5.32         13         PASS           Band2         3         18900         1         #0         QPSK         5.32         13         PASS           Band2         3         18900         1         #0         QPSK         5.32         13         PASS           Band2         3         19185         1         #0         QPSK         5.11         13         PASS           Band2         3         19185         1         #0         QPSK         5.11         13         PASS           Band2         5         18625         1         #0         16QAM         5.59         13         PASS           Band2         5         18900         1         #0         16QAM         4.61									
Band2         1.4         19193         1         #0         QPSK         5.65         13         PASS           Band2         3.4         18615         1         #0         QPSK         5.75         13         PASS           Band2         3         18615         1         #0         QPSK         5.75         13         PASS           Band2         3         18900         1         #0         QPSK         5.32         13         PASS           Band2         3         18900         1         #0         QPSK         5.11         13         PASS           Band2         3         19185         1         #0         QPSK         5.59         13         PASS           Band2         5         18625         1         #0         160AM         5.75         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         18990         1         #0         QPSK         4.81									
Band2									
Band2         3         18615         1         #O         QPSK         5.75         13         PASS           Band2         3         18900         1         #O         16QAM         6.68         13         PASS           Band2         3         18900         1         #O         16QAM         6.03         13         PASS           Band2         3         19185         1         #O         16QAM         6.03         13         PASS           Band2         3         19185         1         #O         16QAM         5.75         13         PASS           Band2         5         18625         1         #O         16QAM         5.75         13         PASS           Band2         5         18625         1         #O         QPSK         5.59         13         PASS           Band2         5         18900         1         #O         QPSK         4.81         13         PASS           Band2         5         18900         1         #O         QPSK         4.81         13         PASS           Band2         5         19175         1         #O         QPSK         3.82						·			
Band2         3         18615         1         #O         160AM         6.68         13         PASS           Band2         3         18900         1         #O         QPSK         5.32         13         PASS           Band2         3         18900         1         #O         QPSK         5.11         13         PASS           Band2         3         19185         1         #O         QPSK         5.11         13         PASS           Band2         5         18625         1         #O         QPSK         5.59         13         PASS           Band2         5         18625         1         #O         QPSK         5.59         13         PASS           Band2         5         18900         1         #O         QPSK         5.59         13         PASS           Band2         5         18900         1         #O         QPSK         4.81         13         PASS           Band2         5         19175         1         #O         QPSK         3.82         13         PASS           Band2         5         19175         1         #O         QPSK         3.55									
Band2         3         18900         1         #0         OPSK         5.32         13         PASS           Band2         3         18900         1         #0         16QAM         6.03         13         PASS           Band2         3         19185         1         #0         QPSK         5.11         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18625         1         #0         16QAM         6.14         13         PASS           Band2         5         18900         1         #0         16QAM         6.14         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         5.52									
Band2         3         18900         1         #0         160AM         6.03         13         PASS           Band2         3         19185         1         #0         QPSK         5.11         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         19175         1         #0         160AM         4.60         13         PASS           Band2         5         19175         1         #0         160AM         4.60         13         PASS           Band2         10         18650         1         #0         160AM         4.60         13         PASS           Band2         10         18650         1         #0         160AM         6.21									
Band2         3         19185         1         #0         OPSK         5.11         13         PASS           Band2         3         19185         1         #0         16QAM         5.75         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18625         1         #0         16QAM         6.14         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         16CAM         4.16	Band2			1					
Band2         3         19185         1         #0         160AM         5.75         13         PASS           Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18625         1         #0         160AM         6.14         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         3.83         13         PASS           Band2         10         18650         1         #0         160AM         4.60         13         PASS           Band2         10         18900         1         #0         160AM         4.61         13         PASS           Band2         10         19150         1         #0         QPSK         3.17 <td>Band2</td> <td></td> <td>18900</td> <td>1</td> <td></td> <td>16QAM</td> <td>6.03</td> <td>13</td> <td></td>	Band2		18900	1		16QAM	6.03	13	
Band2         5         18625         1         #0         QPSK         5.59         13         PASS           Band2         5         18605         1         #0         16QAM         6.14         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         19175         1         #0         16QAM         4.60         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18860         1         #0         QPSK         5.55         13         PASS           Band2         10         18900         1         #0         16QAM         6.21         13         PASS           Band2         10         18900         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17 <td>Band2</td> <td></td> <td>19185</td> <td>1</td> <td>#0</td> <td>QPSK</td> <td>5.11</td> <td>13</td> <td>PASS</td>	Band2		19185	1	#0	QPSK	5.11	13	PASS
Band2         5         18625         1         #0         16QAM         6.14         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         19175         1         #0         16QAM         4.60         13         PASS           Band2         10         18650         1         #0         16QAM         4.60         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         16QAM         4.66         13         PASS           Band2         10         19150         1         #0         16QAM         4.19         13         PASS           Band2         10         19150         1         #0         16QAM         4.	Band2	3	19185	1	#0	16QAM	5.75	13	PASS
Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18600         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         QPSK         3.817         13         PASS           Band2         10         19150         1         #0         16QAM         4.66         13         PASS           Band2         10         19150         1         #0         16QAM         4.66         13         PASS           Band2         15         18675         1         #0         QPSK         5.72<	Band2	5	18625	1	#0	QPSK	5.59	13	PASS
Band2         5         18900         1         #0         QPSK         4.81         13         PASS           Band2         5         18900         1         #0         16QAM         5.47         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18600         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         QPSK         3.817         13         PASS           Band2         10         19150         1         #0         16QAM         4.66         13         PASS           Band2         10         19150         1         #0         16QAM         4.66         13         PASS           Band2         15         18675         1         #0         QPSK         5.72<	Band2			1	#0			13	
Band2         5         18900         1         #0         160AM         5.47         13         PASS           Band2         5         19175         1         #0         QPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18860         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18900         1         #0         QPSK         3.99 <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>				1					
Band2         5         19175         1         #0         OPSK         3.82         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18900         1         #0         16QAM         6.21         13         PASS           Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         QPSK         3.27         13         PASS           Band2         15         18900         1         #0         16QAM         4.41<									
Band2         5         19175         1         #0         160AM         4.60         13         PASS           Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18800         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         16QAM         4.19         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18920         1         #0         QPSK         5.49<									
Band2         10         18650         1         #0         QPSK         5.55         13         PASS           Band2         10         18650         1         #0         16QAM         6.21         13         PASS           Band2         10         18900         1         #0         OPSK         3.83         13         PASS           Band2         10         18900         1         #0         16QAM         4.66         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.94									
Band2         10         18650         1         #0         16QAM         6.21         13         PASS           Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         19125         1         #0         16QAM         6.19									
Band2         10         18900         1         #0         QPSK         3.83         13         PASS           Band2         10         18900         1         #0         DQSK         3.17         13         PASS           Band2         10         19150         1         #0         OPSK         3.17         13         PASS           Band2         15         18675         1         #0         OPSK         5.72         13         PASS           Band2         15         18675         1         #0         OPSK         5.72         13         PASS           Band2         15         18675         1         #0         OPSK         5.72         13         PASS           Band2         15         18900         1         #0         OPSK         3.39         13         PASS           Band2         15         18900         1         #0         16QAM         4.41         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.87<									
Band2         10         18900         1         #0         16QAM         4.66         13         PASS           Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         16QAM         4.19         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         16QAM         6.38         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         16QAM         6.19         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         QPSK         3.									
Band2         10         19150         1         #0         QPSK         3.17         13         PASS           Band2         10         19150         1         #0         16QAM         4.19         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         16QAM         6.65									
Band2         10         19150         1         #0         16QAM         4.19         13         PASS           Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         16QAM         6.38         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         16QAM         4.41         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         20         18700         1         #0         16QAM         6.65         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         19100         1         #0         QPSK         5.									
Band2         15         18675         1         #0         QPSK         5.72         13         PASS           Band2         15         18675         1         #0         16QAM         6.38         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         QPSK         5.92<									
Band2         15         18675         1         #0         16QAM         6.38         13         PASS           Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         16QAM         4.41         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.3									
Band2         15         18900         1         #0         QPSK         3.39         13         PASS           Band2         15         18900         1         #0         16QAM         4.41         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.5									
Band2         15         18900         1         #0         16QAM         4.41         13         PASS           Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         16QAM         6.19         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.									
Band2         15         19125         1         #0         QPSK         5.49         13         PASS           Band2         15         19125         1         #0         16QAM         6.19         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5									
Band2         15         19125         1         #0         16QAM         6.19         13         PASS           Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         16QAM         6.65         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         <									
Band2         20         18700         1         #0         QPSK         5.87         13         PASS           Band2         20         18700         1         #0         16QAM         6.65         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20393         1         #0         QPSK <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Band2         20         18700         1         #0         16QAM         6.65         13         PASS           Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20393         1         #0         QPSK <t< td=""><td>Band2</td><td></td><td>19125</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Band2		19125						
Band2         20         18900         1         #0         QPSK         3.67         13         PASS           Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK	Band2	20	18700	1		QPSK	5.87	13	PASS
Band2         20         18900         1         #0         16QAM         4.74         13         PASS           Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         20175         1         #0         QPSK         5	Band2	20	18700	1			6.65	13	PASS
Band2         20         19100         1         #0         QPSK         5.92         13         PASS           Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         16QAM         6.44         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         20175         1         #0         QPSK <td< td=""><td>Band2</td><td>20</td><td>18900</td><td>1</td><td>#0</td><td>QPSK</td><td>3.67</td><td>13</td><td>PASS</td></td<>	Band2	20	18900	1	#0	QPSK	3.67	13	PASS
Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         QPSK         5	Band2	20	18900	1	#0	16QAM	4.74	13	PASS
Band2         20         19100         1         #0         16QAM         6.26         13         PASS           Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         QPSK         5	Band2	20	19100	1	#0	QPSK	5.92	13	PASS
Band4         1.4         19957         1         #0         QPSK         5.36         13         PASS           Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         16QAM         6.44         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20385         1         #0         QPSK	Band2	20	19100	1	#0	16QAM	6.26	13	PASS
Band4         1.4         19957         1         #0         16QAM         6.11         13         PASS           Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         16QAM         6.44         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         16QAM         5.26         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20385         1         #0         QPSK				1					
Band4         1.4         20175         1         #0         QPSK         5.56         13         PASS           Band4         1.4         20175         1         #0         16QAM         6.44         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         5         19975         1         #0         QPSK         5.15 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>				-					
Band4         1.4         20175         1         #0         16QAM         6.44         13         PASS           Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         16QAM         5.26         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         QPSK         5.15 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Band4         1.4         20393         1         #0         QPSK         4.55         13         PASS           Band4         1.4         20393         1         #0         16QAM         5.26         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         20175         1         #0         QPSK         5.67 <td></td> <td></td> <td></td> <td></td> <td></td> <td>·</td> <td></td> <td></td> <td></td>						·			
Band4         1.4         20393         1         #0         16QAM         5.26         13         PASS           Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         QPSK         5.67									
Band4         3         19965         1         #0         QPSK         5.14         13         PASS           Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38									
Band4         3         19965         1         #0         16QAM         5.74         13         PASS           Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38         13         PASS           Band4         5         20375         1         #0         QPSK         5.25									
Band4         3         20175         1         #0         QPSK         5.66         13         PASS           Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81									
Band4         3         20175         1         #0         16QAM         6.70         13         PASS           Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81									
Band4         3         20385         1         #0         QPSK         4.72         13         PASS           Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81         13         PASS           Band4         5         20375         1         #0         16QAM         5.81         13         PASS									
Band4         3         20385         1         #0         16QAM         5.77         13         PASS           Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81         13         PASS									
Band4         5         19975         1         #0         QPSK         5.15         13         PASS           Band4         5         19975         1         #0         16QAM         5.74         13         PASS           Band4         5         20175         1         #0         QPSK         5.67         13         PASS           Band4         5         20175         1         #0         16QAM         6.38         13         PASS           Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81         13         PASS									
Band4       5       19975       1       #0       16QAM       5.74       13       PASS         Band4       5       20175       1       #0       QPSK       5.67       13       PASS         Band4       5       20175       1       #0       16QAM       6.38       13       PASS         Band4       5       20375       1       #0       QPSK       5.25       13       PASS         Band4       5       20375       1       #0       16QAM       5.81       13       PASS									
Band4     5     20175     1     #0     QPSK     5.67     13     PASS       Band4     5     20175     1     #0     16QAM     6.38     13     PASS       Band4     5     20375     1     #0     QPSK     5.25     13     PASS       Band4     5     20375     1     #0     16QAM     5.81     13     PASS									
Band4     5     20175     1     #0     16QAM     6.38     13     PASS       Band4     5     20375     1     #0     QPSK     5.25     13     PASS       Band4     5     20375     1     #0     16QAM     5.81     13     PASS									
Band4         5         20375         1         #0         QPSK         5.25         13         PASS           Band4         5         20375         1         #0         16QAM         5.81         13         PASS									
Band4 5 20375 1 #0 16QAM 5.81 13 PASS									
				1					
Band4 10 20000 1 #0 QPSK 5.23 13 PASS									
	Band4	10	20000	1	#0	QPSK	5.23	13	PASS

	1	T	T	Ī	T.		1	II.
Band4	10	20000	1	#0	16QAM	6.15	13	PASS
Band4	10	20175	1	#0	QPSK	5.39	13	PASS
Band4	10	20175	1	#0	16QAM	6.09	13	PASS
Band4	10	20350	1	#0	QPSK	5.11	13	PASS
Band4	10	20350	1	#0	16QAM	5.89	13	PASS
Band4	15	20025	1	#0	QPSK	5.30	13	PASS
Band4	15	20025	1	#0	16QAM	6.04	13	PASS
Band4	15	20175	1	#0	QPSK	5.30	13	PASS
Band4	15	20175	1	#0	16QAM	5.92	13	PASS
Band4	15	20325	1	#0	QPSK	4.31	13	PASS
Band4	15	20325	1	#0	16QAM	5.20	13	PASS
Band4	20	20050	1	#0	QPSK	5.37	13	PASS
Band4	20	20050	1	#0	16QAM	6.30	13	PASS
Band4	20	20175	1	#0	QPSK	4.83	13	PASS
Band4	20	20175	1	#0	16QAM	5.43	13	PASS
Band4	20	20300	1	#0	QPSK	4.68	13	PASS
Band4	20	20300	1	#0	16QAM	5.51	13	PASS
Band5	1.4	20407	1	#0	QPSK	4.70	13	PASS
	1.4		1	#0	·			PASS
Band5		20407		#0	16QAM	5.64	13	PASS
Band5	1.4	20525	1		QPSK	2.51	13	PASS
Band5	1.4	20525	1	#0	16QAM	3.52	13	
Band5	1.4	20643	1	#0	QPSK	3.70	13	PASS
Band5	1.4	20643	1	#0	16QAM	4.61	13	PASS
Band5	3	20415	1	#0	QPSK	4.70	13	PASS
Band5	3	20415	1	#0	16QAM	5.61	13	PASS
Band5	3	20525	1	#0	QPSK	3.17	13	PASS
Band5	3	20525	1	#0	16QAM	4.25	13	PASS
Band5	3	20635	1	#0	QPSK	4.11	13	PASS
Band5	3	20635	1	#0	16QAM	4.93	13	PASS
Band5	5	20425	1	#0	QPSK	4.60	13	PASS
Band5	5	20425	1	#0	16QAM	5.28	13	PASS
Band5	5	20525	1	#0	QPSK	3.93	13	PASS
Band5	5	20525	1	#0	16QAM	4.74	13	PASS
Band5	5	20625	1	#0	QPSK	4.30	13	PASS
Band5	5	20625	1	#0	16QAM	4.96	13	PASS
Band5	10	20450	1	#0	QPSK	4.48	13	PASS
Band5	10	20450	1	#0	16QAM	5.21	13	PASS
Band5	10	20525	1	#0	QPSK	5.23	13	PASS
Band5	10	20525	1	#0	16QAM	6.34	13	PASS
Band5	10	20600	1	#0	QPSK	2.24	13	PASS
Band5	10	20600	1	#0	16QAM	3.24	13	PASS
Band7	5	20775	1	#0	QPSK	4.75	13	PASS
Band7	5	20775	1	#0	16QAM	5.43	13	PASS
Band7	5	21100	1	#0	QPSK	4.81	13	PASS
Band7	5	21100	1	#0	16QAM	5.45	13	PASS
Band7	5	21425	1	#0	QPSK	3.95	13	PASS
Band7	5	21425	1	#0	16QAM	4.68	13	PASS
Band7	10	20800	1	#0	QPSK	4.52	13	PASS
Band7	10	20800	1	#0	16QAM	5.26	13	PASS
Band7	10	21100	1	#0	QPSK	4.37	13	PASS
Band7	10	21100	1	#0	16QAM	5.19	13	PASS
Band7	10	21400	1	#0	QPSK	3.76	13	PASS
Band7	10	21400	1	#0	16QAM	4.76	13	PASS
Band7	15	20825	1	#0	QPSK	4.79	13	PASS
Band7	15	20825	1	#0	16QAM	5.71	13	PASS
			1	#0		4.13		PASS
Band7	15	21100			QPSK 160AM		13	
Band7	15	21100	1	#0	16QAM	5.08	13	PASS
Band7	15	21375	1	#0	QPSK	4.30	13	PASS
Band7	15	21375	1	#0	16QAM	5.13	13	PASS

Band7	20	20850	1	#0	QPSK	4.91	13	PASS
Band7	20	20850	1	#0	16QAM	5.93	13	PASS
Band7	20	21100	1	#0	QPSK	3.96	13	PASS
Band7	20	21100	1	#0	16QAM	4.59	13	PASS
Band7	20	21350	1	#0	QPSK	4.88	13	PASS
Band7	20	21350	1	#0	16QAM	5.78	13	PASS
Band12	1.4	23017	1	#0	QPSK	5.01	13	PASS
Band12	1.4	23017	1	#0	16QAM	5.70	13	PASS
Band12	1.4	23095	1	#0	QPSK	4.64	13	PASS
Band12	1.4	23095	1	#0	16QAM	5.42	13	PASS
Band12	1.4	23173	1	#0	QPSK	3.03	13	PASS
Band12	1.4	23173	1	#0	16QAM	4.09	13	PASS
Band12	3	23025	1	#0	QPSK	5.05	13	PASS
Band12	3	23025	1	#0	16QAM	5.78	13	PASS
Band12	3	23095	1	#0	QPSK	4.36	13	PASS
Band12	3	23095	1	#0	16QAM	5.28	13	PASS
Band12	3	23165	1	#0	QPSK	4.14	13	PASS
Band12	3	23165	1	#0	16QAM	5.14	13	PASS
	5		1	#0				
Band12		23035			QPSK	5.11	13	PASS
Band12	5	23035	1	#0	16QAM	5.65	13	PASS
Band12	5	23095	1	#0	QPSK	4.25	13	PASS
Band12	5	23095	1	#0	16QAM	4.99	13	PASS
Band12	5	23155	1	#0	QPSK	6.33	13	PASS
Band12	5	23155	1	#0	16QAM	6.96	13	PASS
Band12	10	23060	1	#0	QPSK	5.27	13	PASS
Band12	10	23060	1	#0	16QAM	6.08	13	PASS
Band12	10	23095	1	#0	QPSK	5.02	13	PASS
Band12	10	23095	1	#0	16QAM	5.76	13	PASS
Band12	10	23130	1	#0	QPSK	4.26	13	PASS
Band12	10	23130	1	#0	16QAM	5.09	13	PASS
Band13	5	23205	1	#0	QPSK	4.76	13	PASS
Band13	5	23205	1	#0	16QAM	5.37	13	PASS
Band13	5	23230	1	#0	QPSK	4.92	13	PASS
Band13	5	23230	1	#0	16QAM	5.57	13	PASS
Band13	5	23255	1	#0	QPSK	5.26	13	PASS
Band13	5	23255	1	#0	16QAM	5.74	13	PASS
Band13	10	23230	1	#0	QPSK	4.76	13	PASS
Band13	10	23230	1	#0	16QAM	5.65	13	PASS
Band17	5	23755	1	#0	QPSK	4.38	13	PASS
Band17	5	23755	1	#0	16QAM	4.99	13	PASS
Band17	5	23790	1	#0	QPSK	4.96	13	PASS
Band17	5	23790	1	#0	16QAM	5.57	13	PASS
Band17	5	23825	1	#0	QPSK	6.27	13	PASS
Band17	5	23825	1	#0	16QAM	6.61	13	PASS
Band17	10	23780	1	#0	QPSK	4.30	13	PASS
Band17	10	23780	1	#0	16QAM	5.16	13	PASS
Band17	10	23790	1	#0	QPSK	4.01	13	PASS
Band17	10	23790	1	#0	16QAM	5.00	13	PASS
Band17	10	23800	1	#0	QPSK	4.09	13	PASS
Band17	10	23800	1	#0	16QAM	4.85	13	PASS
Band25	1.4	26047	1	#0	QPSK	5.11	13	PASS
Band25	1.4	26047	1	#0	16QAM	5.73	13	PASS
	1.4	26365	1	#0	QPSK	5.66	13	PASS
Band25								
Band25	1.4	26365	1	#0	16QAM	6.62	13	PASS
Band25	1.4	26683		#0	QPSK	4.18	13	PASS
Band25	1.4	26683	1	#0	16QAM	5.21	13	PASS
Band25	3	26055	1	#0	QPSK	5.27	13	PASS
Band25	3	26055	1	#0	16QAM	6.14	13	PASS
Band25	3	26365	1	#0	QPSK	5.34	13	PASS

Band25         3         26365         1         #0         160AM         6.48         13         PASS           Band25         3         26675         1         #0         OPSK         4.62         13         PASS           Band25         5         26065         1         #0         OPSK         5.16         13         PASS           Band25         5         26065         1         #0         OPSK         5.16         13         PASS           Band25         5         26065         1         #0         160AM         5.83         13         PASS           Band25         5         26365         1         #0         160AM         5.80         13         PASS           Band25         5         26665         1         #0         160AM         5.60         13         PASS           Band25         10         26065         1         #0         160AM         5.61         13         PASS           Band25         10         26365         1         #0         160AM         5.61         13         PASS           Band25         10         26640         1         #0         160AM		1	1						
Band25	Band25	3	26365	1	#0	16QAM	6.48	13	PASS
Band25	Band25		26675	1	#0	QPSK	4.62	13	PASS
Band25	Band25		26675	1	#0	16QAM	5.42	13	PASS
Band25	Band25		26065	1	#0	QPSK	5.16	13	PASS
Band25	Band25	5	26065	1	#0	16QAM	5.83	13	PASS
Band25	Band25	5	26365	1	#0	QPSK	5.44	13	PASS
Band25				1					
Band/25		5							
Band25		5				· ·			
Band25									
Band25									
Band25									
Band25         10         26640         1         #0         OPSK         3.73         13         PASS           Band25         10         26640         1         #0         16QAM         4.56         13         PASS           Band25         15         26115         1         #0         QPSK         5.21         13         PASS           Band25         15         26365         1         #0         16QAM         6.22         13         PASS           Band25         15         26365         1         #0         OPSK         3.79         13         PASS           Band25         15         26615         1         #0         OPSK         2.88         13         PASS           Band25         15         26615         1         #0         OPSK         2.88         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         5.24         13         PASS           Band26         20         26365         1         #0         QPSK									
Band25         10         26640         1         #0         160AM         4.56         13         PASS           Band25         15         26115         1         #0         QPSK         5.21         13         PASS           Band25         15         26365         1         #0         160AM         6.22         13         PASS           Band25         15         26365         1         #0         QPSK         3.79         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26140         1         #0         MPSK         5.24         13         PASS           Band25         20         26365         1         #0         16QAM         4.41         13         PASS           Band26         20         26590         1         #0         QPSK									
Band25         15         26115         1         #0         QPSK         5.21         13         PASS           Band25         15         26115         1         #0         16QAM         6.22         13         PASS           Band25         15         26365         1         #0         16QAM         4.75         13         PASS           Band25         15         26365         1         #0         16QAM         4.75         13         PASS           Band25         15         26615         1         #0         16QAM         4.75         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         QPSK									
Band25         15         26115         1         #0         16QAM         6.22         13         PASS           Band25         15         26365         1         #0         QPSK         3.79         13         PASS           Band25         15         26365         1         #0         QPSK         2.88         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         3.88         13         PASS           Band25         20         26365         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         QPSK         4.73         13         PASS           Band26(824-         1.4         26797         1         #0         QPSK									
Band25         15         26365         1         #0         QPSK         3.79         13         PASS           Band25         15         26365         1         #0         16QAM         4.75         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         15         26615         1         #0         16QAM         3.80         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         16QAM         4.41         13         PASS           Band26(824-         1.4         26797         1         #0         QPSK									
Band25         15         26365         1         #0         16QAM         4,75         13         PASS           Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         15         26615         1         #0         16QAM         3.80         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         4.73         13         PASS           Band25         20         26590         1         #0         16QAM         4.41         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26915         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1									
Band25         15         26615         1         #0         QPSK         2.88         13         PASS           Band25         15         26615         1         #0         16QAM         3.80         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26140         1         #0         16QAM         5.98         13         PASS           Band25         20         26365         1         #0         16QAM         5.98         13         PASS           Band25         20         26365         1         #0         16QAM         4.41         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26824-         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824-         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824-         1.4         26915         1         #0         <									
Band25         15         26615         1         #0         16QAM         3.80         13         PASS           Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band25         20         26590         1         #0         16QAM         4.41         13         PASS           Band26(824-         1.4         26797         1         #0         16QAM         5.28         13         PASS           Band26(824-         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824-         1.4         26915         1         #0         16QAM         5.75         13         PASS           Band26(824-         1.4         27033         1         #0									
Band25         20         26140         1         #0         QPSK         5.24         13         PASS           Band25         20         26140         1         #0         160AM         5.98         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         16QAM         4.41         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824- 849)         3         268									
Band25         20         26140         1         #0         16QAM         5.98         13         PASS           Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         QPSK         4.73         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.25         13         PASS           Band26(824- 849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824- 849)         3         26915									
Band25         20         26365         1         #0         QPSK         3.38         13         PASS           Band25         20         26365         1         #0         16QAM         4.41         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         QPSK         4.73         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.25         13         PASS           Band26(824- 849)         3         26805         1         #0         16QAM         4.13         13         PASS           Band26(824- 849)         3						· ·			
Band25         20         26365         1         #0         16QAM         4.41         13         PASS           Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         QPSK         4.73         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.25         13         PASS           Band26(824- 849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824- 849)         3         26805         1         #0         16QAM         5.73         13         PASS           Band26(824- 849)         3         26915 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Band25         20         26590         1         #0         QPSK         4.73         13         PASS           Band26         20         26590         1         #0         16QAM         5.28         13         PASS           Band26(824- 849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824- 849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824- 849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           Band26(824- 849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824- 849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824- 849)         3									
Band25         20         26590         1         #0         16QAM         5.28         13         PASS           Band26(824-849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           Band26(824-849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824-849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824-849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824-849)         1.4         27033         1         #0         16QAM         4.22         13         PASS           Band26(824-849)         3         26805         1         #0         16QAM         4.13         13         PASS           Band26(824-849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824-849)         3									
Band26(824-849)         1.4         26797         1         #0         QPSK         4.99         13         PASS           849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           849)         1.4         26915         1         #0         QPSK         3.25         13         PASS           849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           849)         1.4         27033         1         #0         QPSK         4.91         13         PASS           849)         3         26805         1         #0         QPSK         4.91         13         PASS           849)         3         26915         1         #0         QPSK <t< td=""><td>Band25</td><td>20</td><td>26590</td><td>1</td><td>#0</td><td>QPSK</td><td>4.73</td><td>13</td><td>PASS</td></t<>	Band25	20	26590	1	#0	QPSK	4.73	13	PASS
849)         Band26(824- 849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824- 849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824- 849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824- 849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           Band26(824- 849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824- 849)         3         26805         1         #0         QPSK         3.63         13         PASS           Band26(824- 849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824- 849)         3         26915         1         #0         QPSK         4.24         13         PASS           Band26(824- 849)         3         27025         1         #0         QPSK         5.03         13         PASS           Band26(824-	Band25	20	26590	1	#0	16QAM	5.28	13	PASS
Band26(824-849)         1.4         26797         1         #0         16QAM         5.75         13         PASS           Band26(824-849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824-849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824-849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           Band26(824-849)         1.4         27033         1         #0         16QAM         4.13         13         PASS           Band26(824-849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824-849)         3         26915         1         #0         16QAM         5.73         13         PASS           Band26(824-849)         3         27025         1         #0         16QAM         4.49         13         PASS           Band26(824-849)         3 <td>Band26(824-</td> <td>1.4</td> <td>26797</td> <td>1</td> <td>#0</td> <td>QPSK</td> <td>4.99</td> <td>13</td> <td>PASS</td>	Band26(824-	1.4	26797	1	#0	QPSK	4.99	13	PASS
849)       Band26(824-849)       1.4       26915       1       #0       QPSK       3.08       13       PASS         849)       Band26(824-849)       1.4       26915       1       #0       16QAM       4.22       13       PASS         849)       Band26(824-849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         849)       Band26(824-849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         Band26(824-849)       3       26805       1       #0       QPSK       4.91       13       PASS         Band26(824-849)       3       26805       1       #0       QPSK       3.63       13       PASS         Band26(824-849)       3       26915       1       #0       QPSK       3.63       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM	849)								
Band26(824-849)         1.4         26915         1         #0         QPSK         3.08         13         PASS           Band26(824-849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           Band26(824-849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           Band26(824-849)         1.4         27033         1         #0         16QAM         4.13         13         PASS           Band26(824-849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824-849)         3         26805         1         #0         16QAM         5.73         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         4.24         13         PASS           Band26(824-849)         3         27025         1         #0         QPSK         4.24         13         PASS           Band26(824-849)         5	Band26(824-	1.4	26797	1	#0	16QAM	5.75	13	PASS
849)       1.4       26915       1       #0       16QAM       4.22       13       PASS         849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         849)       1.4       27033       1       #0       16QAM       4.13       13       PASS         849)       3       26805       1       #0       QPSK       4.91       13       PASS         849)       3       26805       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         Band26(824- 849)       3       26915       1       #0       QPSK       4.24       13       PASS         Band26(824- 849)       3       27025       1       #0       QPSK       5.03       13       PASS         Band26(824- 849)       5       26815       1	849)								
849)         1.4         26915         1         #0         16QAM         4.22         13         PASS           849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           849)         1.4         27033         1         #0         16QAM         4.13         13         PASS           849)         3         26805         1         #0         QPSK         4.91         13         PASS           849)         3         26805         1         #0         QPSK         3.63         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         3         27025         1         #0         QPSK         4.24         13         PASS           Band26(824- 849)         3         27025         1         #0         QPSK         5.03	Band26(824-	1.4	26915	1	#0	QPSK	3.08	13	PASS
849)       Band26(824-849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         Band26(824-849)       1.4       27033       1       #0       16QAM       4.13       13       PASS         Band26(824-849)       3       26805       1       #0       QPSK       4.91       13       PASS         Band26(824-849)       3       26805       1       #0       16QAM       5.73       13       PASS         Band26(824-849)       3       26915       1       #0       QPSK       3.63       13       PASS         Band26(824-849)       3       26915       1       #0       16QAM       4.49       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS     <	•								
849)       Band26(824-849)       1.4       27033       1       #0       QPSK       3.25       13       PASS         Band26(824-849)       1.4       27033       1       #0       16QAM       4.13       13       PASS         Band26(824-849)       3       26805       1       #0       QPSK       4.91       13       PASS         Band26(824-849)       3       26805       1       #0       16QAM       5.73       13       PASS         Band26(824-849)       3       26915       1       #0       QPSK       3.63       13       PASS         Band26(824-849)       3       26915       1       #0       16QAM       4.49       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS     <		1.4	26915	1	#0	16QAM	4.22	13	PASS
Band26(824-849)         1.4         27033         1         #0         QPSK         3.25         13         PASS           849)         1.4         27033         1         #0         16QAM         4.13         13         PASS           849)         3         26805         1         #0         QPSK         4.91         13         PASS           849)         3         26805         1         #0         16QAM         5.73         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         8and26(824-89)         3         27025         1         #0         QPSK         4.24         13         PASS           849)         8and26(824-89)         3         27025         1         #0         16QAM         5.12         13         PASS           849)         8and26(824-89)         5									
849)       1.4       27033       1       #0       16QAM       4.13       13       PASS         849)       3       26805       1       #0       QPSK       4.91       13       PASS         849)       3       26805       1       #0       16QAM       5.73       13       PASS         849)       3       26805       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       16QAM       4.49       13       PASS         849)       849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       8and26(824- 849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       8and26(824- 849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       8and26(824- 849)       5       26915       1       #0       QPSK       4.30       13       PASS		1.4	27033	1	#0	QPSK	3.25	13	PASS
Band26(824-849)         1.4         27033         1         #0         16QAM         4.13         13         PASS           849)         3         26805         1         #0         QPSK         4.91         13         PASS           849)         3         26805         1         #0         16QAM         5.73         13         PASS           849)         3         26915         1         #0         QPSK         3.63         13         PASS           849)         8ad9         1         #0         16QAM         4.49         13         PASS           849)         3         26915         1         #0         16QAM         4.49         13         PASS           849)         8and26(824-89)         3         27025         1         #0         QPSK         4.24         13         PASS           849)         8and26(824-89)         5         26815         1         #0         QPSK         5.03         13         PASS           849)         8and26(824-89)         5         26815         1         #0         QPSK         4.30         13         PASS           849)         8and26(824-89)         5 <td></td> <td></td> <td>2.000</td> <td></td> <td>,,,,</td> <td>Q. O.</td> <td>0.20</td> <td></td> <td>17100</td>			2.000		,,,,	Q. O.	0.20		17100
849)       3       26805       1       #0       QPSK       4.91       13       PASS         849)       3       26805       1       #0       16QAM       5.73       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       16QAM       4.49       13       PASS         849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       849)       3       27025       1       #0       QPSK       5.03       13       PASS         849)       849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       849)       1       #0       16QAM       5.63       13       PASS         849)       849)       1       #0       16QAM		1 4	27033	1	#0	16QAM	4 13	13	PASS
Band26(824-849)         3         26805         1         #0         QPSK         4.91         13         PASS           Band26(824-849)         3         26805         1         #0         16QAM         5.73         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824-849)         3         26915         1         #0         QPSK         4.49         13         PASS           Band26(824-849)         3         27025         1         #0         QPSK         4.24         13         PASS           Band26(824-849)         3         27025         1         #0         16QAM         5.12         13         PASS           Band26(824-849)         5         26815         1         #0         QPSK         5.03         13         PASS           Band26(824-849)         5         26815         1         #0         QPSK         4.30         13         PASS           Band26(824-849)         5         26915         1         #0         QPSK         4.30         13         PASS           Band26(824-9         5         2	`		2,000	•	""	100,111	1.10		17.00
849)       3       26805       1       #0       16QAM       5.73       13       PASS         849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       16QAM       4.49       13       PASS         849)       3       26915       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       849)       5       26815       1       #0       16QAM       5.63       13       PASS         849)       849)       5       26815       1       #0       QPSK       4.30       13       PASS         849)       849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       849)		3	26805	1	#n	OPSK	<i>1</i> 91	13	PASS
Band26(824-849)       3       26805       1       #0       16QAM       5.73       13       PASS         Band26(824-849)       3       26915       1       #0       QPSK       3.63       13       PASS         Band26(824-849)       3       26915       1       #0       16QAM       4.49       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-849)       5       26915       1       #0       16QAM       4.93       13       PASS         Band26(824-849)       5       26915       1       #0       16QAM       4.93       13       PASS <td>`</td> <td></td> <td>20000</td> <td>'</td> <td>#0</td> <td>QI OIX</td> <td>7.01</td> <td>10</td> <td>17.00</td>	`		20000	'	#0	QI OIX	7.01	10	17.00
849)       3       26915       1       #0       QPSK       3.63       13       PASS         849)       3       26915       1       #0       16QAM       4.49       13       PASS         849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824- 849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824- 849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824- 849)       5       26915       1       #0       16QAM       4.93       13       PASS		3	26805	1	#0	16OAM	5 73	13	DASS
Band26(824-849)         3         26915         1         #0         QPSK         3.63         13         PASS           Band26(824-849)         3         26915         1         #0         16QAM         4.49         13         PASS           Band26(824-849)         3         27025         1         #0         QPSK         4.24         13         PASS           Band26(824-849)         3         27025         1         #0         16QAM         5.12         13         PASS           Band26(824-849)         5         26815         1         #0         QPSK         5.03         13         PASS           Band26(824-849)         5         26815         1         #0         16QAM         5.63         13         PASS           Band26(824-849)         5         26915         1         #0         QPSK         4.30         13         PASS           Band26(824-849)         5         26915         1         #0         16QAM         4.93         13         PASS	•	3	20003	'	#0	IOQAW	3.73	13	1 700
849)       3       26915       1       #0       16QAM       4.49       13       PASS         849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       849)       5       26815       1       #0       16QAM       5.63       13       PASS         849)       849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824- 849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824- 849)       5       26915       1       #0       16QAM       4.93       13       PASS	,	2	26015	1	#0	OBSK	3 63	12	DASS
Band26(824-849)       3       26915       1       #0       16QAM       4.49       13       PASS         Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-849)       5       26915       1       #0       16QAM       4.93       13       PASS	•	3	20913	1	#0	QFSK	3.03	13	PASS
849)       3       27025       1       #0       QPSK       4.24       13       PASS         849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       5       26815       1       #0       16QAM       5.63       13       PASS         849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       5       26915       1       #0       16QAM       4.93       13       PASS		2	26015	1	#0	16001	4.40	12	DASS
Band26(824-849)       3       27025       1       #0       QPSK       4.24       13       PASS         Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5       5       26915       1       #0       16QAM       4.93       13       PASS	`	3	20913	1	#0	IOQAW	4.49	13	PASS
849)       3       27025       1       #0       16QAM       5.12       13       PASS         849)       5       26815       1       #0       QPSK       5.03       13       PASS         849)       5       26815       1       #0       16QAM       5.63       13       PASS         849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       849)       5       26915       1       #0       16QAM       4.93       13       PASS		0	07005	4	40	ODOK	4.04	40	DACC
Band26(824-849)       3       27025       1       #0       16QAM       5.12       13       PASS         Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5       5       26915       1       #0       16QAM       4.93       13       PASS	•	3	27025	1	#0	QPSK	4.24	13	PASS
849)       Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5)       5       26915       1       #0       16QAM       4.93       13       PASS		0	07005	4	40	400 4 14	T 40	40	DACC
Band26(824-849)       5       26815       1       #0       QPSK       5.03       13       PASS         Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5)       5       26915       1       #0       16QAM       4.93       13       PASS		3	2/025	1	#U	TOQAM	5.12	13	PASS
849)       5       26815       1       #0       16QAM       5.63       13       PASS         849)       5       26915       1       #0       QPSK       4.30       13       PASS         849)       849)       1       #0       16QAM       4.93       13       PASS         Band26(824-       5       26915       1       #0       16QAM       4.93       13       PASS		_	00045		"0	OPOL	F 00	40	DAGG
Band26(824-849)       5       26815       1       #0       16QAM       5.63       13       PASS         Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5       5       26915       1       #0       16QAM       4.93       13       PASS	•	5	26815	1	#0	QPSK	5.03	13	PASS
849)     Description     Description		_	000:-	4	""	4007::	F 00	1.5	D. C.
Band26(824-849)       5       26915       1       #0       QPSK       4.30       13       PASS         Band26(824-5       5       26915       1       #0       16QAM       4.93       13       PASS	•	5	26815	1	#0	16QAM	5.63	13	PASS
849) Band26(824- 5 26915 1 #0 16QAM 4.93 13 PASS		_					,		
Band26(824- 5 26915 1 #0 16QAM 4.93 13 PASS	•	5	26915	1	#0	QPSK	4.30	13	PASS
849)	•	5	26915	1	#0	16QAM	4.93	13	PASS
	849)								

Band26(824-	5	27015	1	#0	QPSK	4.43	13	PASS
849) Band26(824- 849)	5	27015	1	#0	16QAM	5.07	13	PASS
Band26(824- 849)	10	26840	1	#0	QPSK	4.49	13	PASS
Band26(824- 849)	10	26840	1	#0	16QAM	5.28	13	PASS
Band26(824- 849)	10	26915	1	#0	QPSK	5.42	13	PASS
Band26(824- 849)	10	26915	1	#0	16QAM	6.37	13	PASS
Band26(824- 849)	10	26990	1	#0	QPSK	2.41	13	PASS
Band26(824- 849)	10	26990	1	#0	16QAM	3.49	13	PASS
Band26(824- 849)	15	26865	1	#0	QPSK	4.66	13	PASS
Band26(824- 849)	15	26865	1	#0	16QAM	5.60	13	PASS
Band26(824- 849)	15	26915	1	#0	QPSK	5.23	13	PASS
Band26(824- 849)	15	26915	1	#0	16QAM	6.14	13	PASS
Band26(824- 849)	15	26965	1	#0	QPSK	3.86	13	PASS
Band26(824- 849)	15	26965	1	#0	16QAM	4.77 2.19	13	PASS PASS
Band26(814- 824) Band26(814-	1.4	26697 26697	1	#0	QPSK 16QAM	2.19	13	PASS
824)	1.4	26740	1	#0	QPSK	1.45	13	PASS
Band26(814- 824) Band26(814-	1.4	26740	1	#0	16QAM	1.45	13	PASS
824) Band26(814-	1.4	26783	1	#0	QPSK	4.41	13	PASS
824) Band26(814-	1.4	26783	1	#0	16QAM	5.14	13	PASS
824) Band26(814-	3	26705	1	#0	QPSK	2.47	13	PASS
824) Band26(814-	3	26705	1	#0	16QAM	2.70	13	PASS
824) Band26(814-	3	26740	1	#0	QPSK	1.58	13	PASS
824) Band26(814-	3	26740	1	#0	16QAM	1.86	13	PASS
824) Band26(814-	3	26775	1	#0	QPSK	2.98	13	PASS
824) Band26(814-	3	26775	1	#0	16QAM	3.78	13	PASS
824) Band26(814-	5	26715	1	#0	QPSK	3.47	13	PASS
824) Band26(814-	5	26715	1	#0	16QAM	3.91	13	PASS
824) Band26(814-	5	26740	1	#0	QPSK	1.39	13	PASS
824) Band26(814-	5	26740	1	#0	16QAM	1.56	13	PASS

Band26(814+ 824)	004)		T						
824)         Band26(814- 824)         5         26765         1         #0         16QAM         1.79         13         PASS           Band38         5         37775         1         #0         QPSK         8.57         13         PASS           Band38         5         37775         1         #0         16QAM         7.95         13         PASS           Band38         5         38000         1         #0         QPSK         8.31         13         PASS           Band38         5         38000         1         #0         QPSK         8.31         13         PASS           Band38         5         38000         1         #0         QPSK         8.34         13         PASS           Band38         5         38225         1         #0         QPSK         8.37         13         PASS           Band38         10         37800         1         #0         16QAM         8.32         13         PASS           Band38         10         38000         1         #0         16QAM         9.41         13         PASS           Band38         10         38200         1         #0	824)		00705	4	"0	00014	4.05	40	D4.00
Band26(814-   5   26765   1   #0   16QAM   1.79   13   PASS   824    Band38   5   37775   1   #0   QPSK   8.57   13   PASS   Band38   5   37775   1   #0   16QAM   7.95   13   PASS   Band38   5   38000   1   #0   QPSK   8.31   13   PASS   Band38   5   38000   1   #0   QPSK   8.31   13   PASS   Band38   5   38000   1   #0   QPSK   8.34   13   PASS   Band38   5   38225   1   #0   QPSK   8.34   13   PASS   Band38   5   38225   1   #0   QPSK   8.34   13   PASS   Band38   5   38225   1   #0   QPSK   8.37   13   PASS   Band38   10   37800   1   #0   QPSK   8.37   13   PASS   Band38   10   37800   1   #0   QPSK   8.37   13   PASS   Band38   10   38000   1   #0   QPSK   8.04   13   PASS   Band38   10   38000   1   #0   QPSK   8.04   13   PASS   Band38   10   38000   1   #0   QPSK   7.59   13   PASS   Band38   10   38200   1   #0   QPSK   9.06   13   PASS   Band38   10   38200   1   #0   QPSK   9.06   13   PASS   Band38   15   37825   1   #0   QPSK   9.06   13   PASS   Band38   15   37825   1   #0   QPSK   9.06   13   PASS   Band38   15   37825   1   #0   QPSK   9.06   13   PASS   Band38   15   38000   1   #0   QPSK   9.06   13   PASS   Band38   15   38000   1   #0   QPSK   9.06   13   PASS   Band38   15   38175   1   #0   QPSK   8.81   13   PASS   Band38   15   38175   1   #0   QPSK   8.81   13   PASS   Band38   20   37850   1   #0   QPSK   8.08   13   PASS   Band38   20   37850   1   #0   QPSK   8.08   13   PASS   Band38   20   38150   1   #0   QPSK   9.44   13   PASS   Band38   20   38150   1   #0   QPSK   9.44   13   PASS   Band40(2305-   5   38725   1   #0   QPSK   9.06   13   PASS   Band40(2305-   5   38755   1   #0   QPSK   9.20   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.20   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.20   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.20   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.06   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.06   13   PASS   Dand40(2305-   5   38755   1   #0   QPSK   9.06   13   PASS   Dand		5	26765	1	#0	QPSK	1.65	13	PASS
824)         Band38         5         37775         1         #0         QPSK         8.57         13         PASS           Band38         5         37775         1         #0         16QAM         7.95         13         PASS           Band38         5         38000         1         #0         OPSK         8.31         13         PASS           Band38         5         38000         1         #0         16QAM         9.60         13         PASS           Band38         5         38225         1         #0         OPSK         8.34         13         PASS           Band38         10         37800         1         #0         OPSK         8.37         13         PASS           Band38         10         37800         1         #0         OPSK         8.04         13         PASS           Band38         10         38000         1         #0         OPSK         8.04         13         PASS           Band38         10         38000         1         #0         OPSK         8.04         13         PASS           Band38         10         38200         1         #0 <td< td=""><td></td><td></td><td>00705</td><td>4</td><td>""</td><td>400 414</td><td>4 =0</td><td>4.0</td><td>5400</td></td<>			00705	4	""	400 414	4 =0	4.0	5400
Band38         5         37775         1         #0         QPSK         8.57         13         PASS           Band38         5         38000         1         #0         QPSK         8.31         13         PASS           Band38         5         38000         1         #0         16QAM         9.60         13         PASS           Band38         5         38225         1         #0         16QAM         9.60         13         PASS           Band38         5         38225         1         #0         16QAM         9.60         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         16QAM         9.14         13         PASS           Band38         10         38200         1         #0         16QAM         9.14         13         PASS           Band38         15         37825         1         #0         QPSK		5	26765	1	#0	16QAM	1.79	13	PASS
Band38         5         37775         1         #0         16QAM         7.95         13         PASS           Band38         5         38000         1         #0         16QAM         9.60         13         PASS           Band38         5         38205         1         #0         QPSK         8.34         13         PASS           Band38         5         38225         1         #0         QPSK         8.34         13         PASS           Band38         10         37800         1         #0         16QAM         9.41         13         PASS           Band38         10         37800         1         #0         16QAM         9.41         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         16QAM         9.14         13         PASS           Band38         10         38200         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         QPSK				4	""	0.001/		4.0	5400
Band38         5         38000         1         #0         QPSK         8.31         13         PASS           Band38         5         38000         1         #0         QPSK         8.34         13         PASS           Band38         5         38225         1         #0         QPSK         8.34         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         37800         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38200         1         #0         16QAM         9.14         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         QPSK <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Band38         5         38000         1         #0         16QAM         9.60         13         PASS           Band38         5         38225         1         #0         GPSK         8.34         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         16QAM         9.14         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         15         37825         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         16QAM         9.78         13         PASS           Band38         15         38000         1         #0         16QAM									
Band38         5         38225         1         #0         QPSK         8.34         13         PASS           Band38         5         38225         1         #0         16QAM         8.32         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         38000         1         #0         16QAM         9.41         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38200         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         16QAM         9.78         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38175         1         #0         16QAM		5							
Band38         5         38225         1         #0         16QAM         8.32         13         PASS           Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         15         38205         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         QPSK		5							
Band38         10         37800         1         #0         QPSK         8.37         13         PASS           Band38         10         37800         1         #0         160AM         9.41         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         10         38200         1         #0         160AM         9.83         13         PASS           Band38         15         37825         1         #0         160AM         9.83         13         PASS           Band38         15         37825         1         #0         160AM         9.78         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         16QAM         9.57         13         PASS           Band38         20         37850         1         #0         QPSK		5							
Band38         10         37800         1         #0         16QAM         9.41         13         PASS           Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         16QAM									
Band38         10         38000         1         #0         QPSK         8.04         13         PASS           Band38         10         38000         1         #0         16QAM         9.14         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         16QAM									
Band38         10         38000         1         #0         16QAM         9.14         13         PASS           Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         10         38200         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         16QAM         9.78         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         16QAM         9.57         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK									
Band38         10         38200         1         #0         QPSK         7.59         13         PASS           Band38         10         38200         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK									
Band38         10         38200         1         #0         16QAM         9.83         13         PASS           Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         16QAM         9.78         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK									
Band38         15         37825         1         #0         QPSK         9.06         13         PASS           Band38         15         37825         1         #0         16QAM         9.78         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         16QAM         9.57         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         16QAM         8.51         13         PASS           Band40(2305-         5         38725         1         #0         QPSK									
Band38         15         37825         1         #0         16QAM         9.78         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QP									
Band38         15         38000         1         #0         QPSK         9.36         13         PASS           Band38         15         38000         1         #0         16QAM         9.57         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305- 2315)         5         38725         1         #0         16QAM         8.96         13         PASS           Band40(2305- 2315)         5         38750         1         #0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Band38         15         38000         1         #0         16QAM         9.57         13         PASS           Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         16QAM         8.42         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38775         1									
Band38         15         38175         1         #0         QPSK         6.81         13         PASS           Band38         15         38175         1         #0         16QAM         8.42         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         16QAM         9.54         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38775         1									
Band38         15         38175         1         #0         16QAM         8.42         13         PASS           Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         16QAM         9.54         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38000         1         #0         16QAM         8.51         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305-         5         38725         1         #0         16QAM         8.96         13         PASS           Band40(2305-         5         38725         1         #0         16QAM         10.53         13         PASS           Band40(2305-         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305-         5         38775         1         #0									
Band38         20         37850         1         #0         QPSK         8.77         13         PASS           Band38         20         37850         1         #0         16QAM         9.54         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band38         20         38150         1         #0         QPSK         8.96         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         3877									
Band38         20         37850         1         #0         16QAM         9.54         13         PASS           Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38000         1         #0         16QAM         8.51         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305-         5         38725         1         #0         QPSK         9.44         13         PASS           2315)         8and40(2305-         5         38750         1         #0         QPSK         8.90         13         PASS           2315)         8and40(2305-         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305-         5         38750         1         #0         QPSK         9.20         13         PASS           Band40(2305-         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305-         5         38									
Band38         20         38000         1         #0         QPSK         9.28         13         PASS           Band38         20         38000         1         #0         16QAM         8.51         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)									
Band38         20         38000         1         #0         16QAM         8.51         13         PASS           Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band38         20         38150         1         #0         16QAM         8.96         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305-         10         3875									
Band38         20         38150         1         #0         QPSK         8.08         13         PASS           Band38         20         38150         1         #0         16QAM         8.96         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305- 2315)         10         38750         1         #0         16QAM         9.43         13         PASS									
Band38         20         38150         1         #0         16QAM         8.96         13         PASS           Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38725         1         #0         16QAM         10.53         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38750         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305-         10         38750         1         #0         16QAM         9.43         13         PASS									
Band40(2305- 2315)         5         38725         1         #0         QPSK         9.44         13         PASS           Band40(2305- 2315)         5         38725         1         #0         16QAM         10.53         13         PASS           Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305- 2315)         10         38750         1         #0         16QAM         9.43         13         PASS									
2315)       Band40(2305-2315)       5       38725       1       #0       16QAM       10.53       13       PASS         2315)       Band40(2305-2315)       5       38750       1       #0       QPSK       8.90       13       PASS         2315)       Band40(2305-2315)       5       38775       1       #0       QPSK       9.20       13       PASS         2315)       Band40(2305-2315)       5       38775       1       #0       16QAM       9.28       13       PASS         2315)       Band40(2305-315)       1       #0       QPSK       9.06       13       PASS         2315)       Band40(2305-315)       10       38750       1       #0       QPSK       9.06       13       PASS         Band40(2305-315)       10       38750       1       #0       16QAM       9.43       13       PASS         Band40(2305-315)       10       38750       1       #0       16QAM       9.43       13       PASS									
Band40(2305- 2315)         5         38725         1         #0         16QAM         10.53         13         PASS           2315)         Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           2315)         Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           2315)         Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           2315)         Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305- 2315)         10         38750         1         #0         16QAM         9.43         13         PASS           Band40(2305-         10         38750         1         #0         16QAM         9.43         13         PASS		5	38725	1	#0	QPSK	9.44	13	PASS
2315)       Band40(2305-       5       38750       1       #0       QPSK       8.90       13       PASS         2315)       Band40(2305-       5       38750       1       #0       16QAM       10.73       13       PASS         2315)       Band40(2305-       5       38775       1       #0       QPSK       9.20       13       PASS         2315)       Band40(2305-       5       38775       1       #0       16QAM       9.28       13       PASS         2315)       Band40(2305-       10       38750       1       #0       QPSK       9.06       13       PASS         Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS         Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS			00705	4	"0	400 414	40.50	40	DAGO
Band40(2305- 2315)         5         38750         1         #0         QPSK         8.90         13         PASS           Band40(2305- 2315)         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305- 2315)         10         38750         1         #0         16QAM         9.43         13         PASS		5	38725	1	#0	TOQAM	10.53	13	PASS
2315)       Band40(2305-       5       38750       1       #0       16QAM       10.73       13       PASS         2315)       Band40(2305-       5       38775       1       #0       QPSK       9.20       13       PASS         2315)       Band40(2305-       5       38775       1       #0       16QAM       9.28       13       PASS         2315)       Band40(2305-       10       38750       1       #0       QPSK       9.06       13       PASS         Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS         Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS	,		20750	4	40	ODCK	0.00	40	DACC
Band40(2305- 2315)         5         38750         1         #0         16QAM         10.73         13         PASS           Band40(2305- 2315)         5         38775         1         #0         QPSK         9.20         13         PASS           Band40(2305- 2315)         5         38775         1         #0         16QAM         9.28         13         PASS           Band40(2305- 2315)         10         38750         1         #0         QPSK         9.06         13         PASS           Band40(2305-         10         38750         1         #0         16QAM         9.43         13         PASS		Э	36750	ı	#0	QPSK	6.90	13	PASS
2315)       Band40(2305-       5       38775       1       #0       QPSK       9.20       13       PASS         2315)       Band40(2305-       5       38775       1       #0       16QAM       9.28       13       PASS         2315)       Band40(2305-       10       38750       1       #0       QPSK       9.06       13       PASS         2315)       Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS			20750	4	#0	160 4 14	10.72	10	DACC
Band40(2305- 2315)       5       38775       1       #0       QPSK       9.20       13       PASS         Band40(2305- 2315)       5       38775       1       #0       16QAM       9.28       13       PASS         Band40(2305- 2315)       10       38750       1       #0       QPSK       9.06       13       PASS         Band40(2305- Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS		5	38750	1	#0	IOQAM	10.73	13	PASS
2315)       Band40(2305-       5       38775       1       #0       16QAM       9.28       13       PASS         2315)       Band40(2305-       10       38750       1       #0       QPSK       9.06       13       PASS         2315)       Band40(2305-       10       38750       1       #0       16QAM       9.43       13       PASS		<b>E</b>	20775	4	#0	ODSK	0.20	12	DASS
Band40(2305- 2315)       5       38775       1       #0       16QAM       9.28       13       PASS         Band40(2305- 2315)       10       38750       1       #0       QPSK       9.06       13       PASS         Band40(2305- 10       10       38750       1       #0       16QAM       9.43       13       PASS		5	30113	'	#0	QFSK	9.20	13	PASS
2315)  Band40(2305- 2315)  Band40(2305- 10 38750 1 #0 QPSK 9.06 13 PASS 2315)  Band40(2305- 10 38750 1 #0 16QAM 9.43 13 PASS		5	39775	1	#0	16OAM	0.28	12	DV66
Band40(2305- 2315)     10     38750     1     #0     QPSK     9.06     13     PASS       Band40(2305- Band40(2305-     10     38750     1     #0     16QAM     9.43     13     PASS		3	30773		#0	IOQAW	3.20	10	1 700
2315) Band40(2305- 10 38750 1 #0 16QAM 9.43 13 PASS		10	38750	1	#0	OPSK	9.06	13	DΔSS
Band40(2305- 10 38750 1 #0 16QAM 9.43 13 PASS		10	30730	1	#0	QI OIX	3.00	10	1 700
		10	38750	1	#0	16OAM	0.43	13	PASS
		10	00700	'	#0	100/1111	3.40	10	17.00
Band40(2350									
2360) 5 39175 1 #0 QPSK 8.86 13 PASS		5	39175	1	#0	QPSK	8.86	13	PASS
Band40(2350				_					
2360) 5 39175 1 #0 16QAM 9.58 13 PASS		5	39175	1	#0	16QAM	9.58	13	PASS
Band40(2350			00000	4	""	00014	0.74	40	D4.00
2360) 5 39200 1 #0 QPSK 8.74 13 PASS		5	39200	1	#0	QPSK	8.74	13	PASS
Band40/2350		F	00000	4	<b>110</b>	400 414	0.0	40	DA 00
2360) 5 39200 1 #0 16QAM 9.2 13 PASS	•	5	39200	1	#0	16QAM	9.2	13	PASS
Band40(2350-		_	20005	4	110	ODOK	0.07	40	DAGG
2360) 5 39225 1 #0 QPSK 8.67 13 PASS	2360)	ວ	39225	1	#U	QPSK	0.07	13	PASS
Band40(2350- 5 39225 1 #0 16QAM 9.01 13 PASS	Band40(2350-		30225	1	#0	160014	0.01	12	PASS
2360)   5   39225   1   #0   10QAW   9.01   13   FASS	2360)	J	38223	ı	#0	IUQAW	9.01	13	FASS
Band40(2350- 10 39200 1 #0 QPSK 8.65 13 PASS		10	39200	1	<b>#</b> 0	OPSK	8 65	13	PASS
2360)	2360)	10	30200	'	110	GI OIL	3.00	10	. 7.00

Band40(2350- 2360)	10	39200	1	#0	16QAM	10.59	13	PASS
Band41(2555- 2655)	5	40265	1	#0	QPSK	8.60	13	PASS
Band41(2555- 2655)	5	40265	1	#0	16QAM	9.34	13	PASS
Band41(2555- 2655)	5	40740	1	#0	QPSK	7.57	13	PASS
Band41(2555- 2655)	5	40740	1	#0	16QAM	9.96	13	PASS
Band41(2555- 2655)	5	41215	1	#0	QPSK	9.65	13	PASS
Band41(2555- 2655)	5	41215	1	#0	16QAM	9.50	13	PASS
Band41(2555- 2655)	10	40290	1	#0	QPSK	9.04	13	PASS
Band41(2555- 2655)	10	40290	1	#0	16QAM	9.44	13	PASS
Band41(2555- 2655)	10	40740	1	#0	QPSK	8.49	13	PASS
Band41(2555- 2655)	10	40740	1	#0	16QAM	9.52	13	PASS
Band41(2555- 2655)	10	41190	1	#0	QPSK	7.97	13	PASS
Band41(2555- 2655)	10	41190	1	#0	16QAM	9.70	13	PASS
Band41(2555- 2655)	15	40315	1	#0	QPSK	9.25	13	PASS
Band41(2555- 2655)	15	40315	1	#0	16QAM	9.26	13	PASS
Band41(2555- 2655)	15	40740	1	#0	QPSK	8.88	13	PASS
Band41(2555- 2655)	15	40740	1	#0	16QAM	9.63	13	PASS
Band41(2555- 2655)	15	41165	1	#0	QPSK	7.63	13	PASS
Band41(2555- 2655)	15	41165	1	#0	16QAM	9.56	13	PASS
Band41(2555- 2655)	20	40340	1	#0	QPSK	8.10	13	PASS
Band41(2555- 2655)	20	40340	1	#0	16QAM	9.46	13	PASS
Band41(2555- 2655)	20	40740	1	#0	QPSK	7.66	13	PASS
Band41(2555- 2655)	20	40740	1	#0	16QAM	11.12	13	PASS
Band41(2555- 2655)	20	41140	1	#0	QPSK	9.32	13	PASS
Band41(2555- 2655)	20	41140	1	#0	16QAM	8.40	13	PASS
Band66	1.4	131979	1	#0	QPSK	4.78	13	PASS
Band66	1.4	131979	1	#0	16QAM	5.43	13	PASS
Band66	1.4	132322	1	#0	QPSK	5.18	13	PASS
Band66	1.4		1	#0		5.18	13	PASS
		132322			16QAM			
Band66	1.4	132665	1	#0	QPSK	5.30	13	PASS
Band66	1.4	132665	1	#0	16QAM	6.27	13	PASS
Band66	3	131987	1	#0	QPSK	4.93	13	PASS
Band66	3	131987	1	#0	16QAM	5.88	13	PASS
Band66	3	132322	1	#0	QPSK	4.73	13	PASS

3	132322	1	#0	16QAM	5.52	13	PASS
3	132657	1	#0	QPSK	5.73	13	PASS
3	132657	1	#0	16QAM	6.63	13	PASS
5	131997	1	#0	QPSK	4.92	13	PASS
5	131997	1	#0	16QAM	5.60	13	PASS
	132322	1	#0	QPSK	4.65	13	PASS
	132322	1	#0	16QAM	5.30	13	PASS
	132647	1	#0	QPSK	5.87	13	PASS
5	132647	1	#0	16QAM	6.29	13	PASS
10	132022	1	#0	QPSK	4.82	13	PASS
10	132022	1	#0	16QAM	5.79	13	PASS
10	132322	1	#0	QPSK	3.90	13	PASS
10	132322	1	#0	16QAM	4.74	13	PASS
10	132622	1	#0	QPSK	4.07	13	PASS
10	132622	1	#0	16QAM	4.92	13	PASS
15	132047	1	#0	QPSK	5.01	13	PASS
15	132047	1	#0	16QAM	5.86	13	PASS
15	132322	1	#0	QPSK	4.02	13	PASS
15	132322	1	#0	16QAM	5.05	13	PASS
15	132597	1	#0	QPSK	3.99	13	PASS
15	132597	1	#0	16QAM	4.82	13	PASS
20	132072	1	#0	QPSK	5.17	13	PASS
20	132072	1	#0	16QAM	6.20	13	PASS
20	132322	1	#0	QPSK	4.26	13	PASS
20	132322	1	#0	16QAM	4.90	13	PASS
20	132572	1	#0	QPSK	4.56	13	PASS
20	132572	1	#0	16QAM	5.23	13	PASS
	3 3 5 5 5 5 5 5 5 10 10 10 10 10 10 15 15 15 15 15 20 20 20 20 20	3       132657         3       132657         5       131997         5       132322         5       132322         5       132647         5       132647         10       132022         10       132022         10       132322         10       132322         10       132622         15       132047         15       132047         15       132322         15       132597         20       132072         20       132322         20       132322         20       132322         20       132322         20       132322         20       132322         20       132322         20       132572	3       132657       1         3       132657       1         5       131997       1         5       131997       1         5       132322       1         5       132322       1         5       132647       1         5       132647       1         10       132022       1         10       132022       1         10       132322       1         10       132322       1         10       132622       1         10       132622       1         15       132047       1         15       132047       1         15       132322       1         15       132322       1         15       132597       1         20       132072       1         20       132072       1         20       132322       1         20       132322       1         20       132572       1	3       132657       1       #0         3       132657       1       #0         5       131997       1       #0         5       131997       1       #0         5       132322       1       #0         5       132322       1       #0         5       132647       1       #0         10       132022       1       #0         10       132022       1       #0         10       132322       1       #0         10       132322       1       #0         10       132322       1       #0         10       132622       1       #0         10       132622       1       #0         15       132047       1       #0         15       132047       1       #0         15       132322       1       #0         15       132597       1       #0         15       132597       1       #0         20       132072       1       #0         20       132322       1       #0         20       132322       1	3       132657       1       #0       QPSK         3       132657       1       #0       16QAM         5       131997       1       #0       QPSK         5       131997       1       #0       QPSK         5       132322       1       #0       QPSK         5       132322       1       #0       QPSK         5       132647       1       #0       QPSK         5       132647       1       #0       QPSK         10       132022       1       #0       QPSK         10       132022       1       #0       QPSK         10       132322       1       #0       QPSK         10       132322       1       #0       QPSK         10       132622       1       #0       QPSK         10       132622       1       #0       QPSK         10       132622       1       #0       QPSK         15       132047       1       #0       QPSK         15       132322       1       #0       QPSK         15       132597       1       #0       QPSK	3 132657 1 #0 QPSK 5.73 3 132657 1 #0 16QAM 6.63 5 131997 1 #0 QPSK 4.92 5 131997 1 #0 QPSK 4.65 5 132322 1 #0 QPSK 4.65 5 132322 1 #0 16QAM 5.30 5 132647 1 #0 QPSK 5.87 5 132647 1 #0 QPSK 5.87 5 132647 1 #0 QPSK 4.82 10 132022 1 #0 16QAM 5.79 10 132022 1 #0 QPSK 3.90 10 132322 1 #0 QPSK 4.07 10 132622 1 #0 QPSK 4.07 10 132622 1 #0 QPSK 4.07 10 132622 1 #0 QPSK 5.01 15 132047 1 #0 QPSK 5.01 15 132047 1 #0 QPSK 5.01 15 132322 1 #0 16QAM 5.86 15 132322 1 #0 16QAM 5.86 15 132322 1 #0 QPSK 4.02 15 132597 1 #0 QPSK 3.99 15 132597 1 #0 QPSK 3.99 15 132597 1 #0 QPSK 5.17 20 132072 1 #0 QPSK 5.17 20 132072 1 #0 QPSK 5.17 20 132322 1 #0 GPSK 4.26 20 132322 1 #0 QPSK 4.26	3       132657       1       #0       QPSK       5.73       13         3       132657       1       #0       16QAM       6.63       13         5       131997       1       #0       QPSK       4.92       13         5       131997       1       #0       QPSK       4.65       13         5       132322       1       #0       QPSK       4.65       13         5       132322       1       #0       QPSK       4.65       13         5       132647       1       #0       QPSK       5.87       13         5       132647       1       #0       QPSK       5.87       13         10       132022       1       #0       QPSK       4.82       13         10       132022       1       #0       QPSK       4.82       13         10       132322       1       #0       QPSK       3.90       13         10       132322       1       #0       QPSK       4.07       13         10       132622       1       #0       QPSK       4.07       13         15       132047       1

Report No.: LGT22K048RF018 Page 37 of 838

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

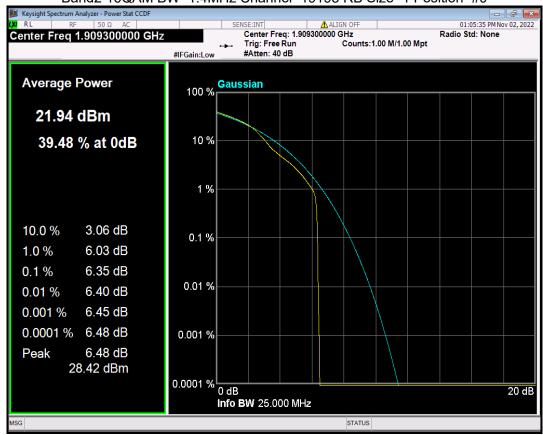


Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0

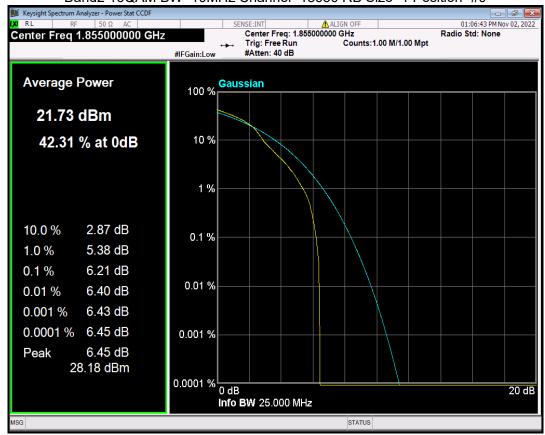


Report No.: LGT22K048RF018 Page 38 of 838

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

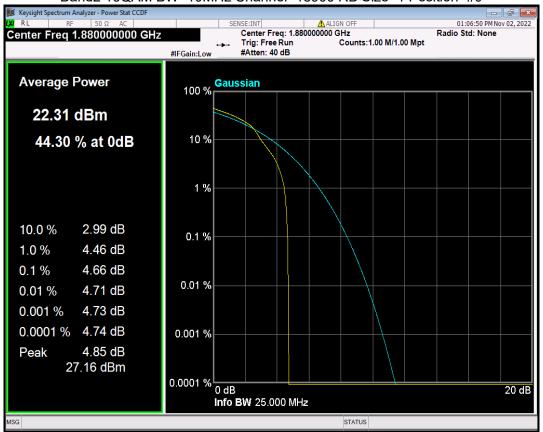


Band2 16QAM BW=10MHz Channel=18650 RB Size=1 Position=#0

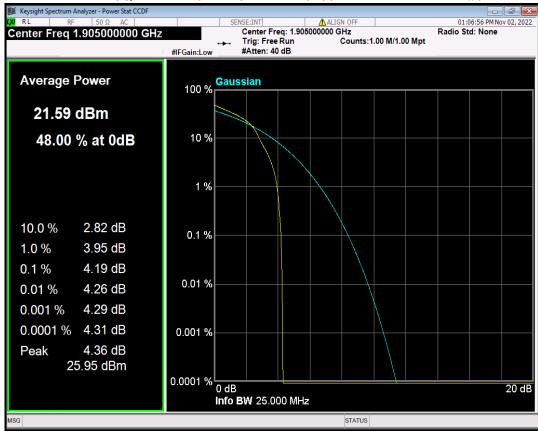


Report No.: LGT22K048RF018 Page 39 of 838

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

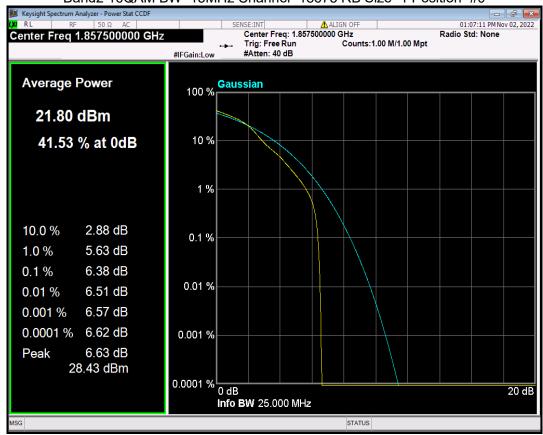


Band2 16QAM BW=10MHz Channel=19150 RB Size=1 Position=#0

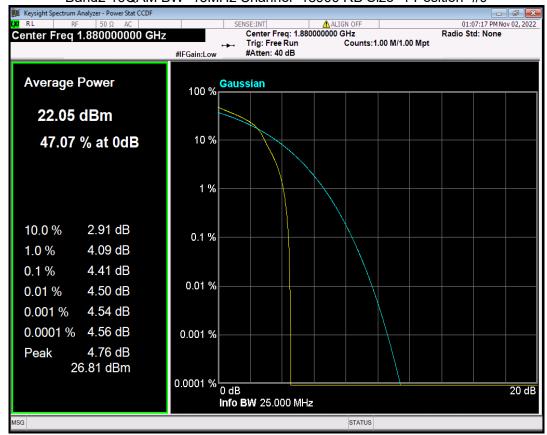


Report No.: LGT22K048RF018 Page 40 of 838

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



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

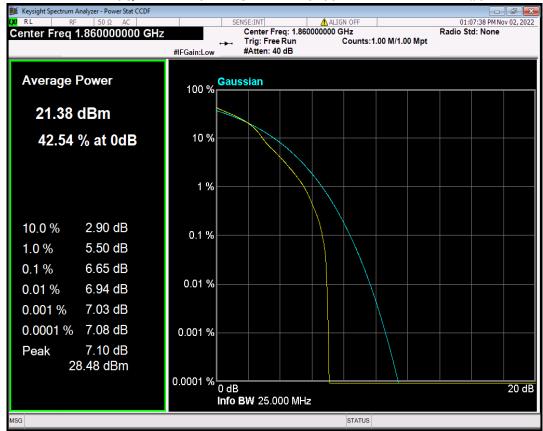


Report No.: LGT22K048RF018 Page 41 of 838

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



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



Report No.: LGT22K048RF018 Page 42 of 838

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

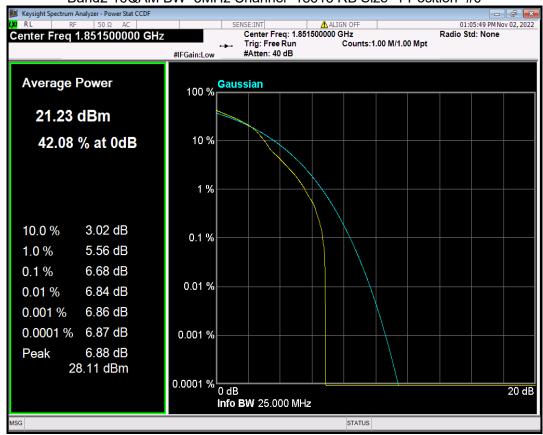


Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 43 of 838

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

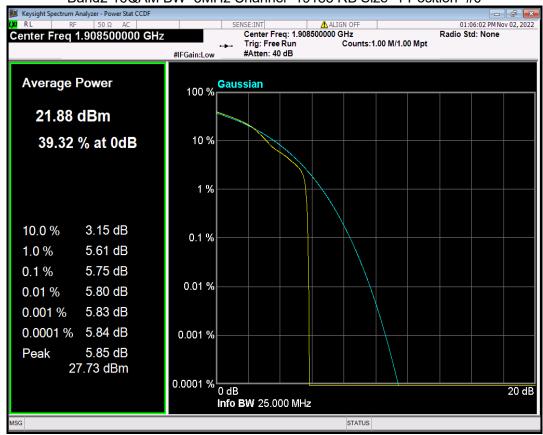


Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0

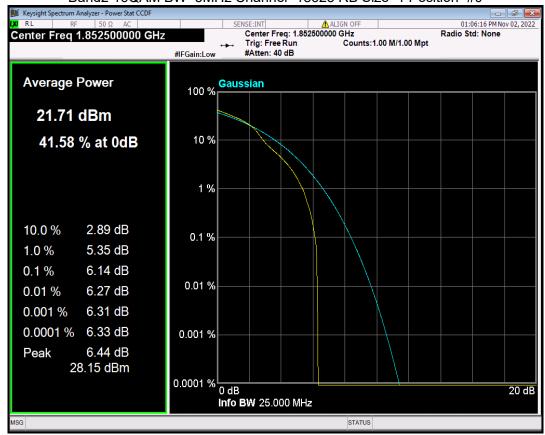


Report No.: LGT22K048RF018 Page 44 of 838

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

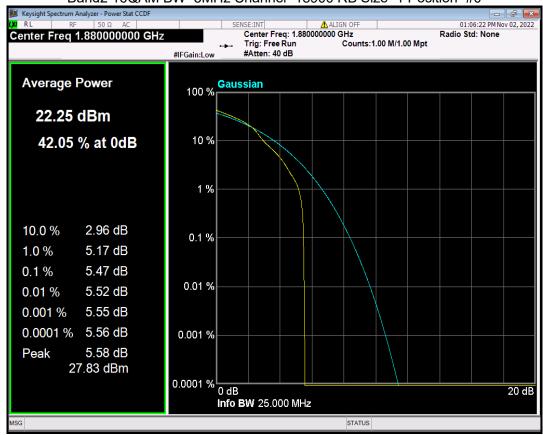


Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 45 of 838

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



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

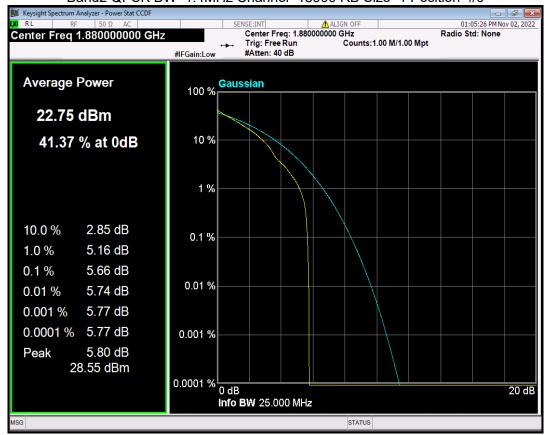


Report No.: LGT22K048RF018 Page 46 of 838

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



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

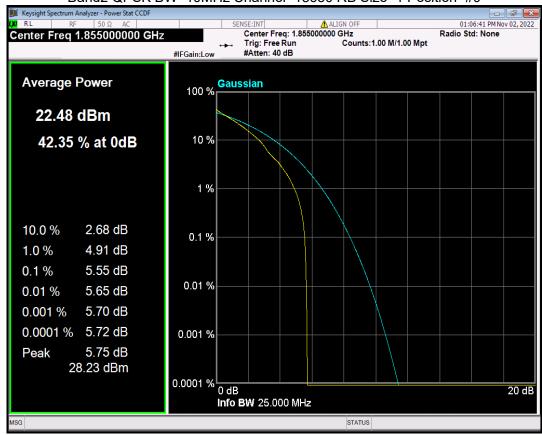


Report No.: LGT22K048RF018 Page 47 of 838

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

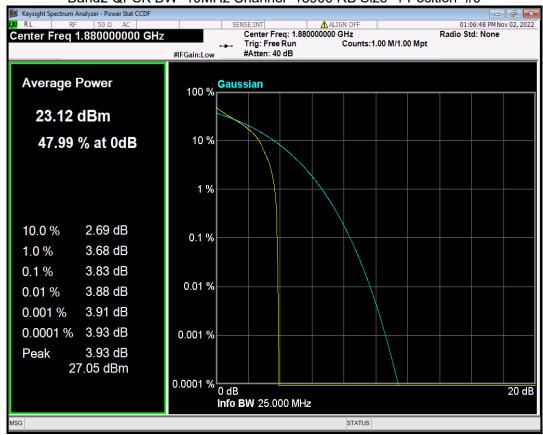


Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0

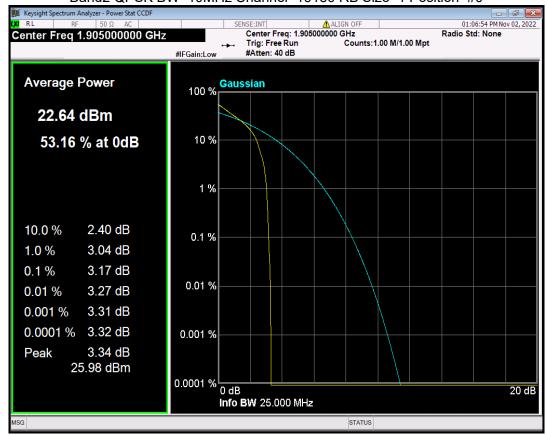


Report No.: LGT22K048RF018 Page 48 of 838

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

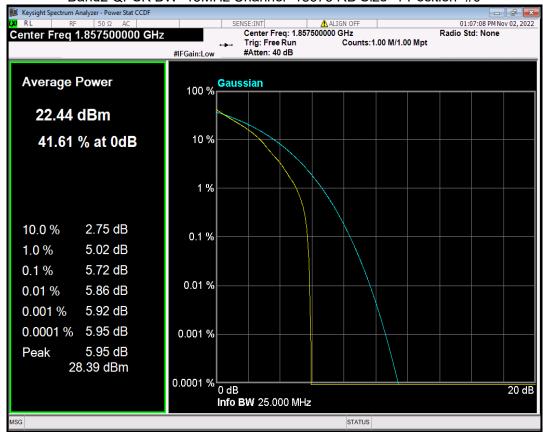


Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0

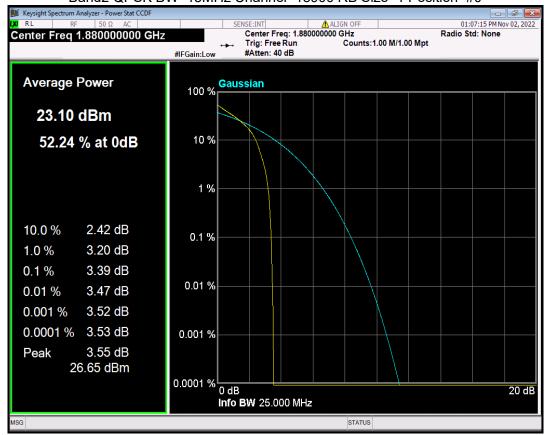


Report No.: LGT22K048RF018 Page 49 of 838

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

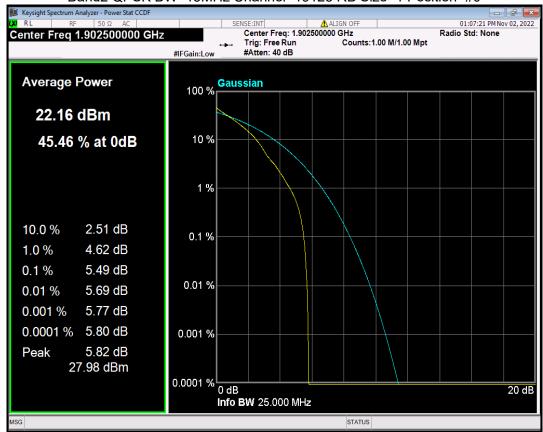


Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 50 of 838

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



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

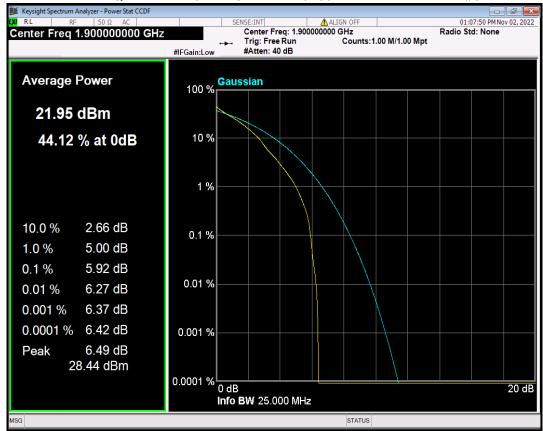


Report No.: LGT22K048RF018 Page 51 of 838

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



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

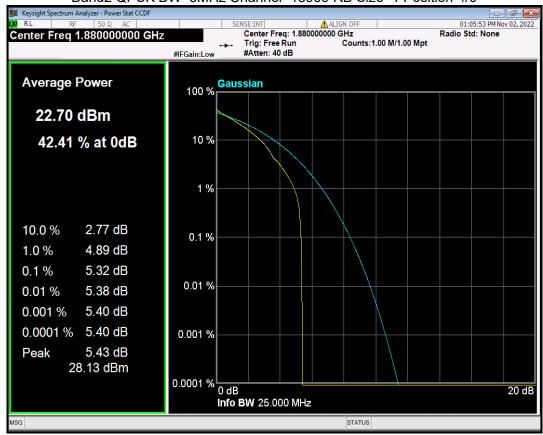


Report No.: LGT22K048RF018 Page 52 of 838

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

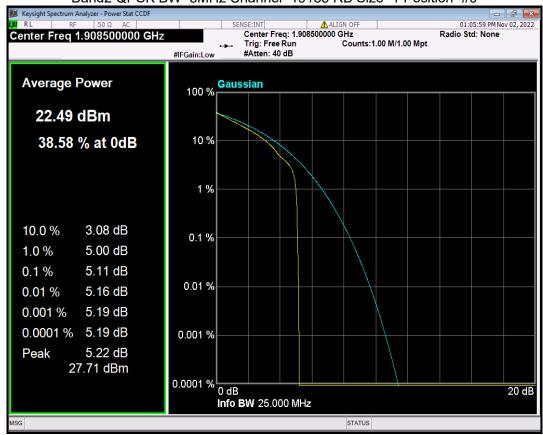


Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0

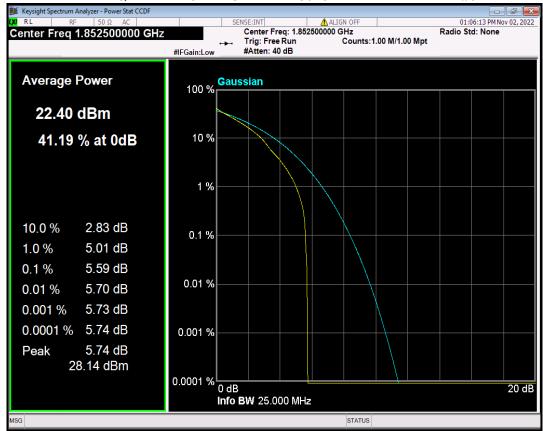


Report No.: LGT22K048RF018 Page 53 of 838

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

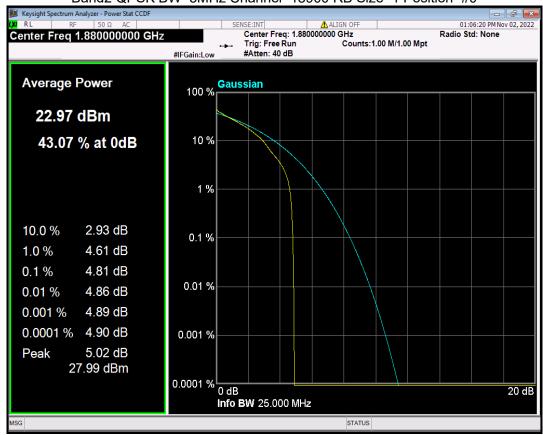


Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0

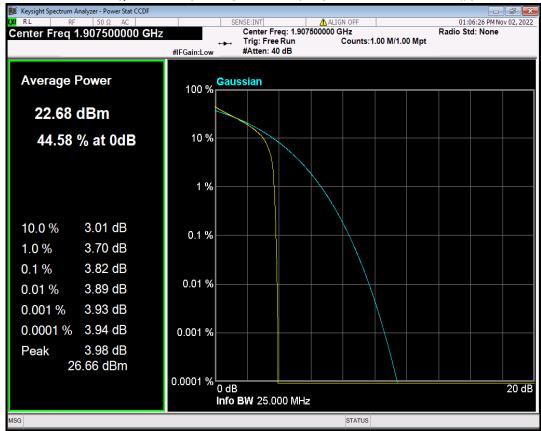


Report No.: LGT22K048RF018 Page 54 of 838

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



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



Report No.: LGT22K048RF018 Page 55 of 838

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



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

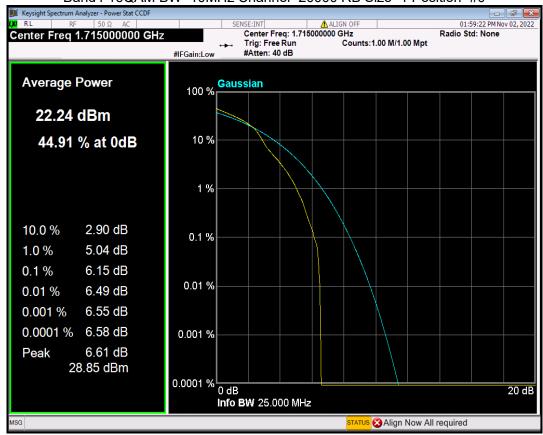


Report No.: LGT22K048RF018 Page 56 of 838

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



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



Report No.: LGT22K048RF018 Page 57 of 838

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



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



Report No.: LGT22K048RF018 Page 58 of 838

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

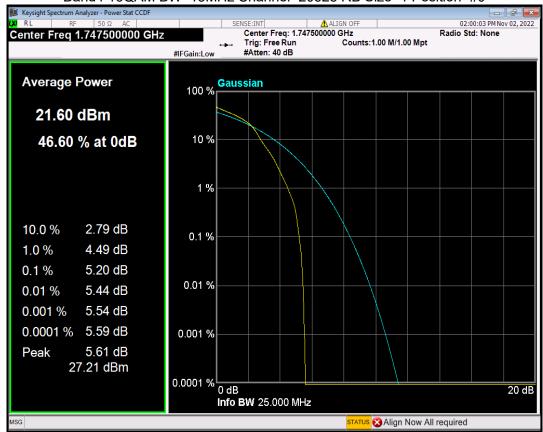


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0

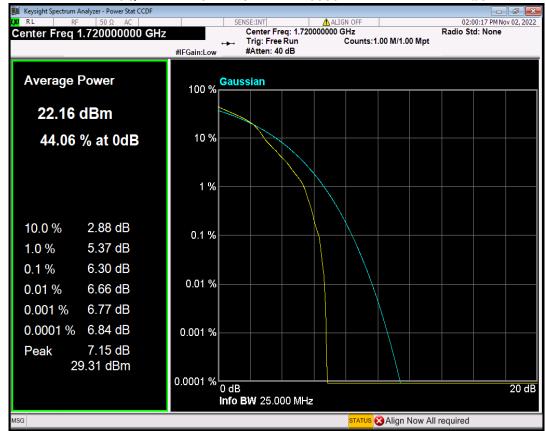


Report No.: LGT22K048RF018 Page 59 of 838

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

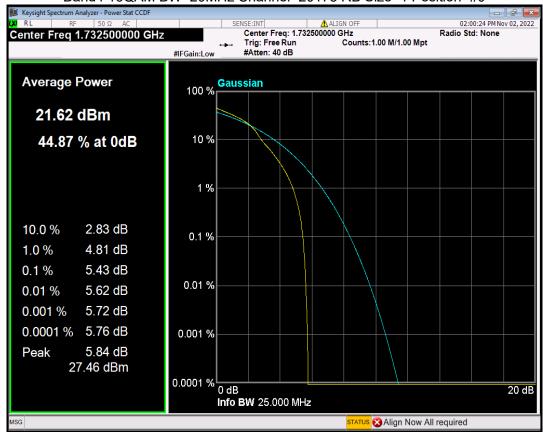


Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 60 of 838

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



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



Report No.: LGT22K048RF018 Page 61 of 838

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

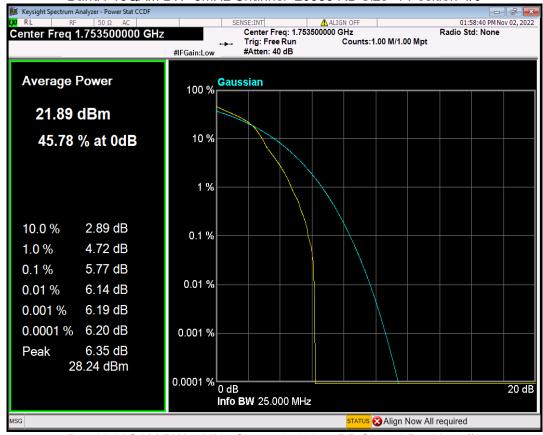


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 62 of 838

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

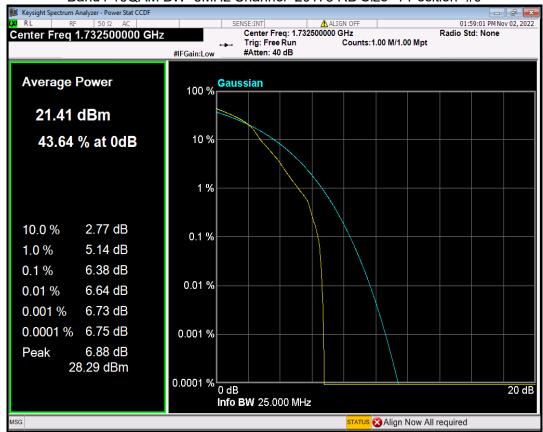


Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

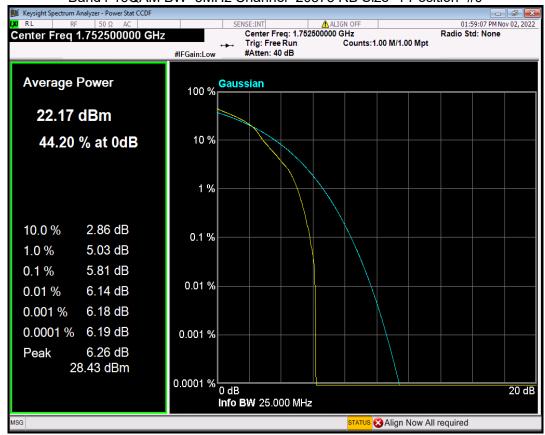


Report No.: LGT22K048RF018 Page 63 of 838

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

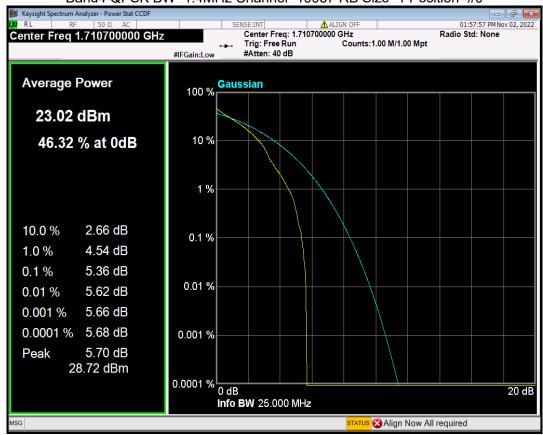


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 64 of 838

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







Report No.: LGT22K048RF018 Page 65 of 838

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



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

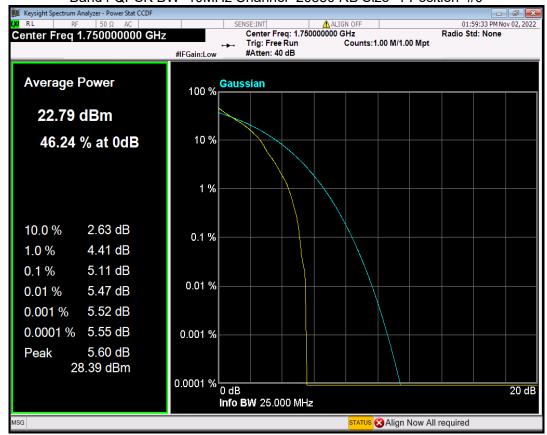


Report No.: LGT22K048RF018 Page 66 of 838

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



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



Report No.: LGT22K048RF018 Page 67 of 838

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

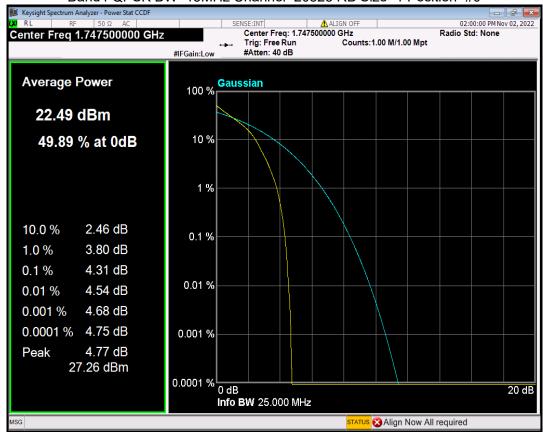


Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 68 of 838

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

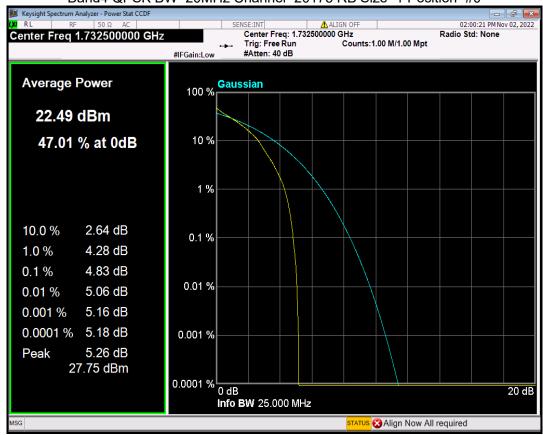


Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 69 of 838

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

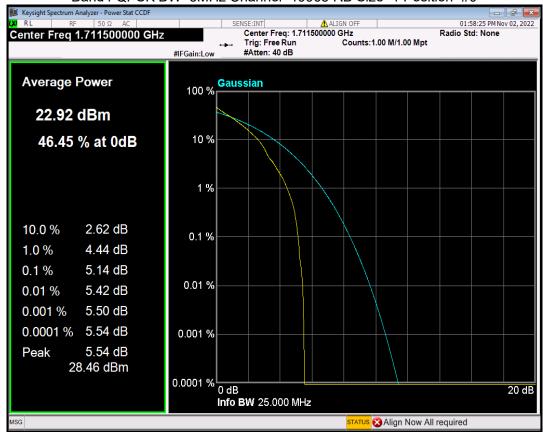


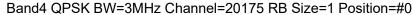
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 70 of 838

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

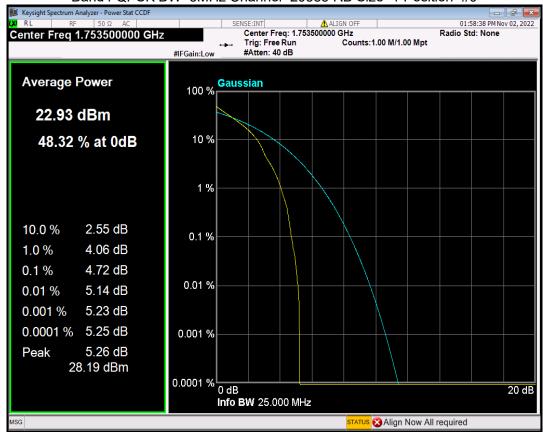


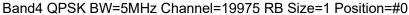




Report No.: LGT22K048RF018 Page 71 of 838

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







Report No.: LGT22K048RF018 Page 72 of 838

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

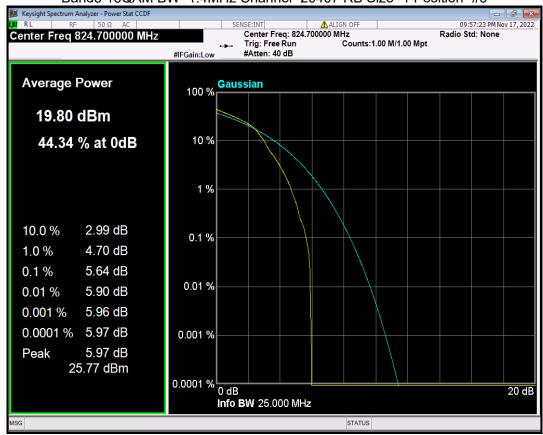






Report No.: LGT22K048RF018 Page 73 of 838

Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0

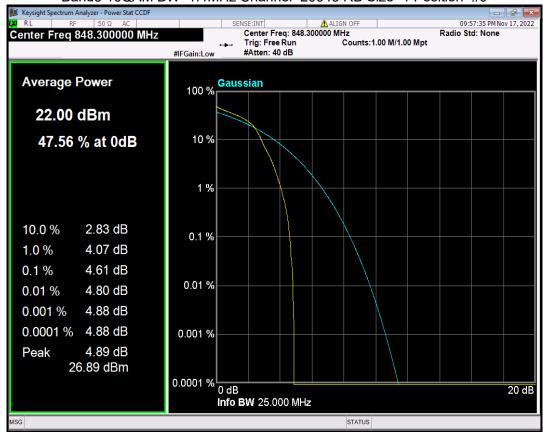


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 74 of 838

Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0

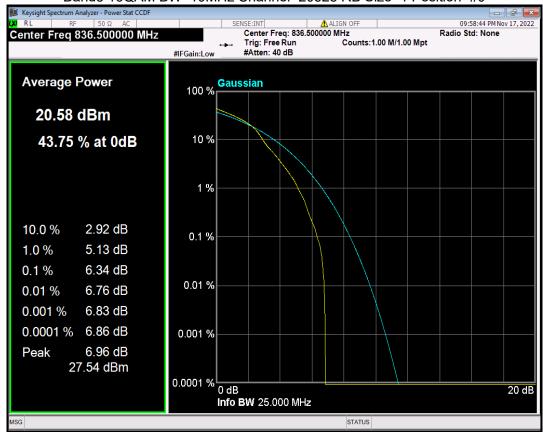


Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

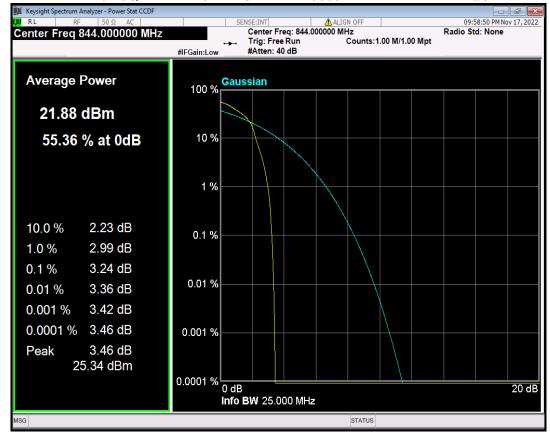


Report No.: LGT22K048RF018 Page 75 of 838

Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0

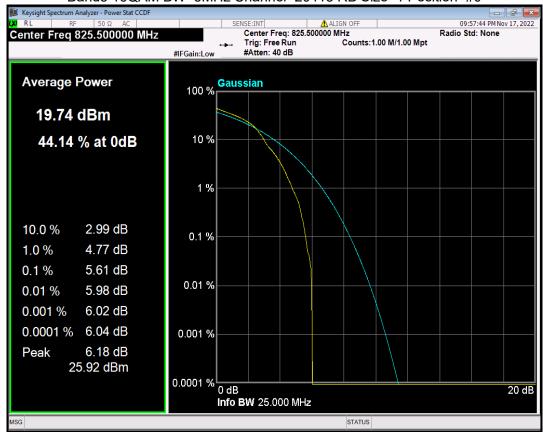


Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0

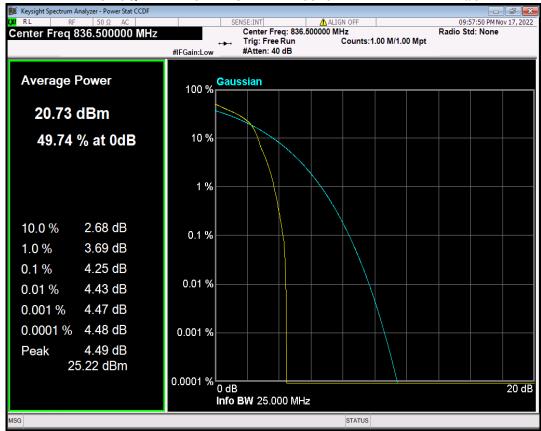


Report No.: LGT22K048RF018 Page 76 of 838

Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

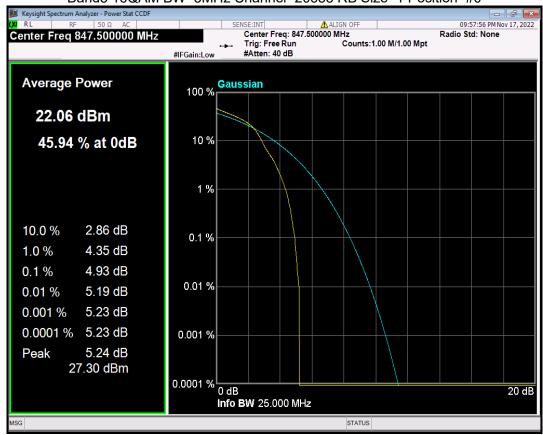


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0

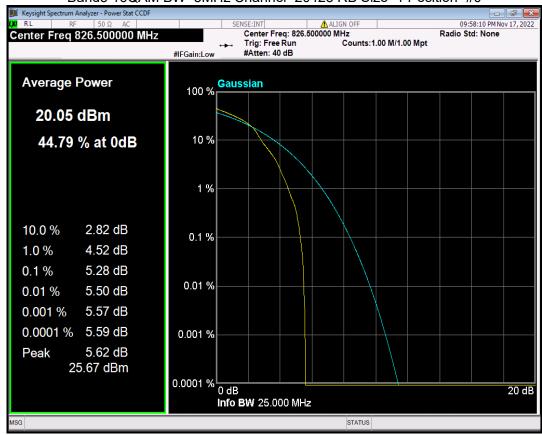


Report No.: LGT22K048RF018 Page 77 of 838

Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

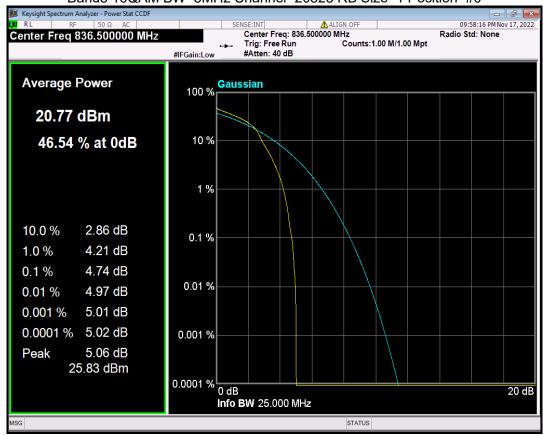


Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

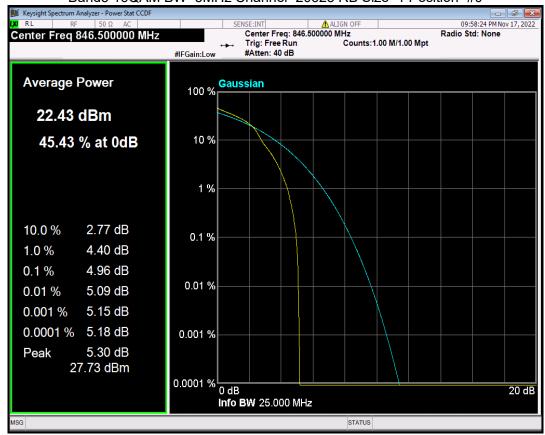


Report No.: LGT22K048RF018 Page 78 of 838

Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

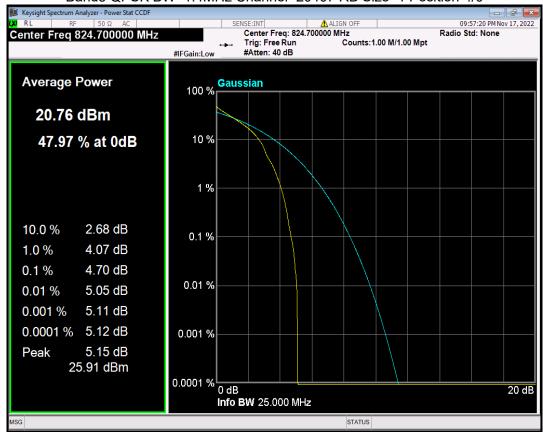


Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0

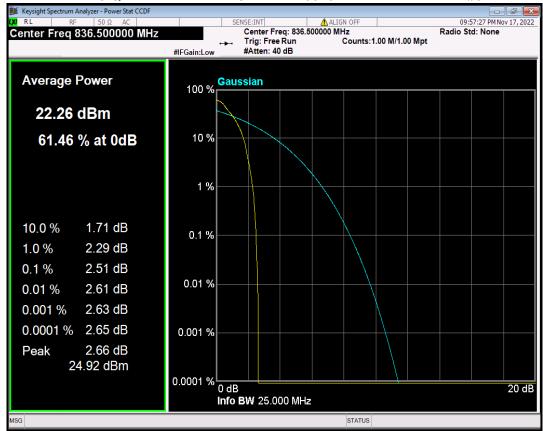


Report No.: LGT22K048RF018 Page 79 of 838

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0

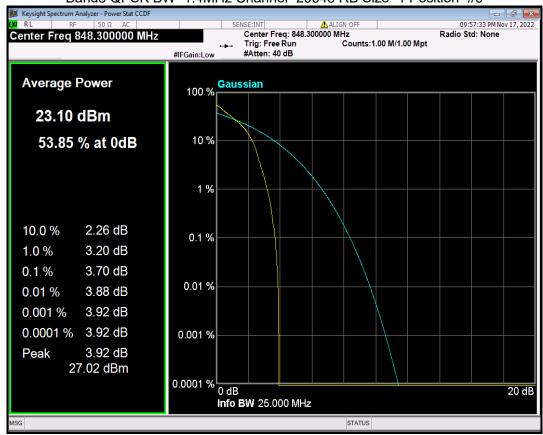


Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0

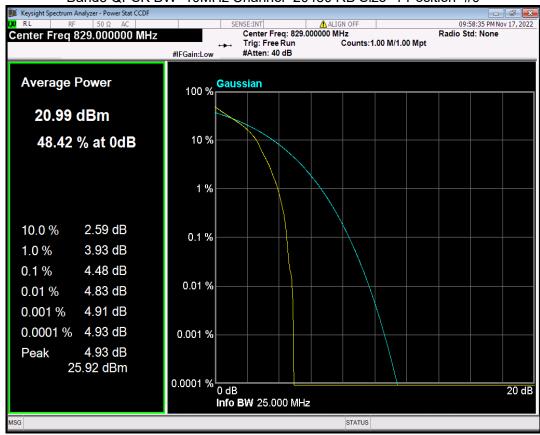


Report No.: LGT22K048RF018 Page 80 of 838

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0

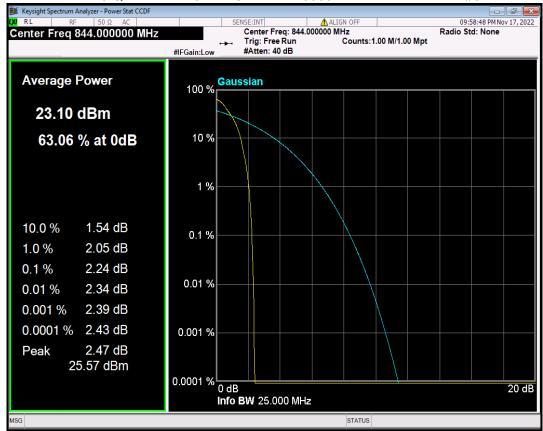


Report No.: LGT22K048RF018 Page 81 of 838

# Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

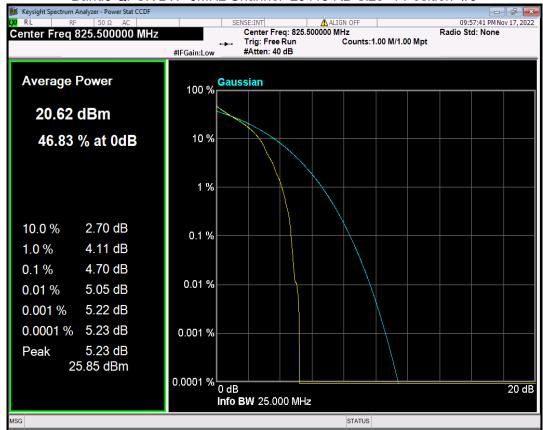


Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 82 of 838

# Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

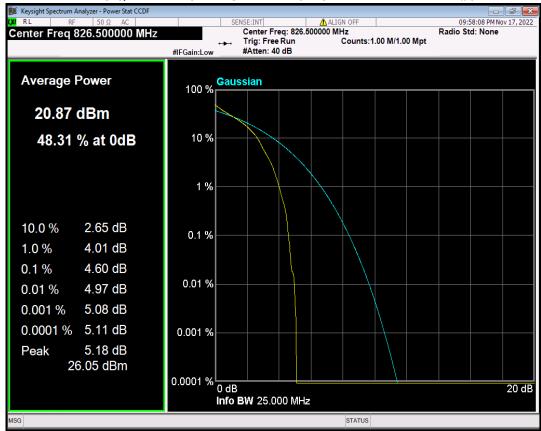


Report No.: LGT22K048RF018 Page 83 of 838

# Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0

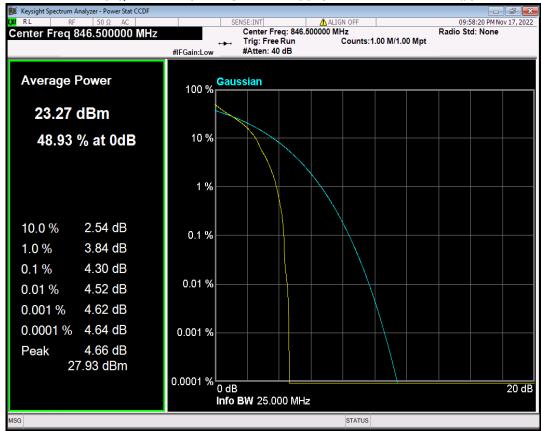


Report No.: LGT22K048RF018 Page 84 of 838

# Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

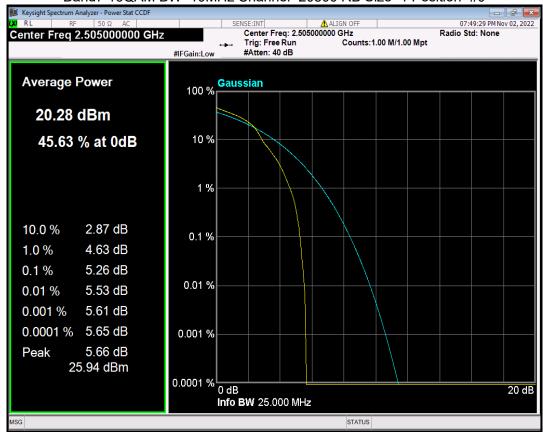


Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0

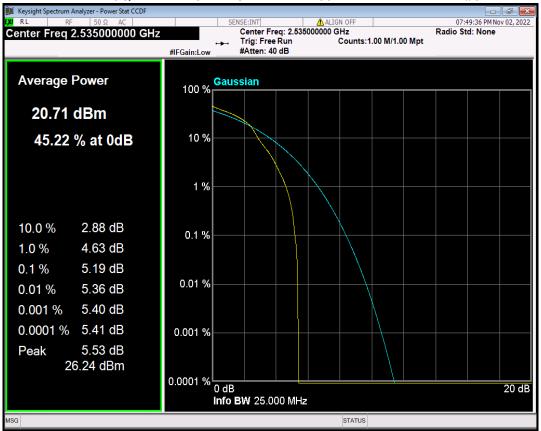


Report No.: LGT22K048RF018 Page 85 of 838

Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0



Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0

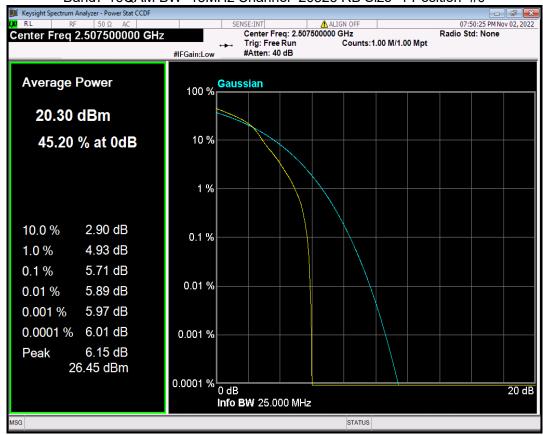


Report No.: LGT22K048RF018 Page 86 of 838

Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0

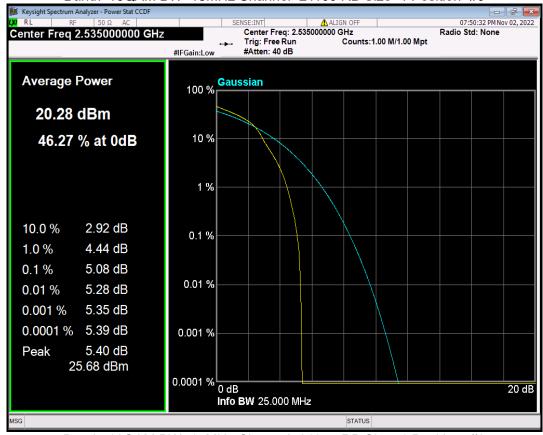


Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 87 of 838

Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0



Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0

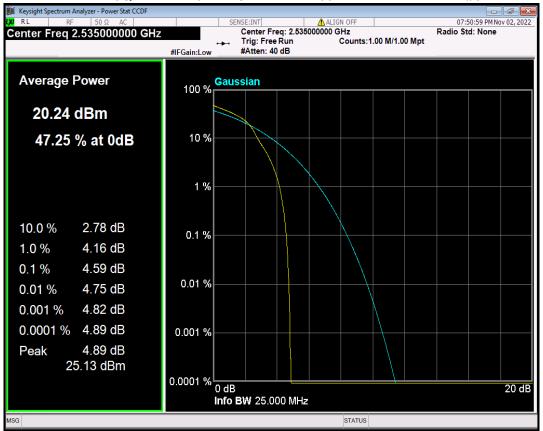


Report No.: LGT22K048RF018 Page 88 of 838

Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0

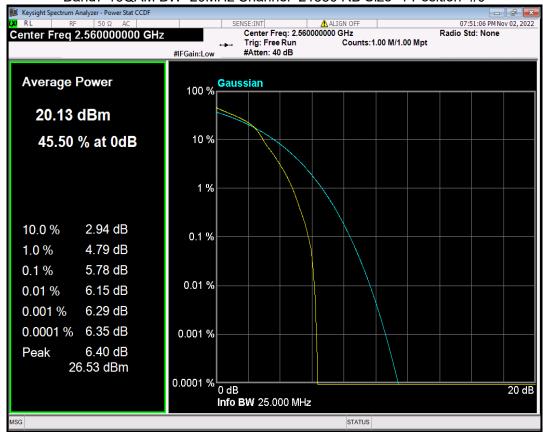


Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 89 of 838

Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0

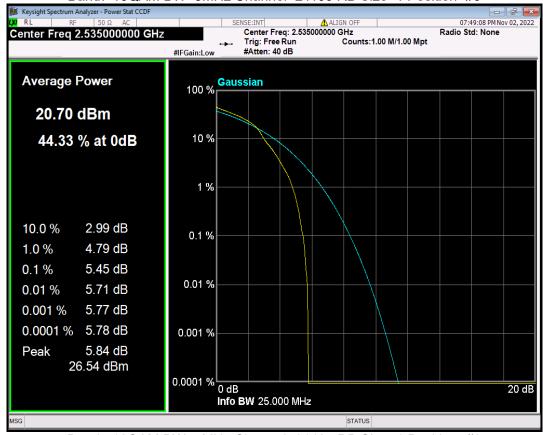


Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0

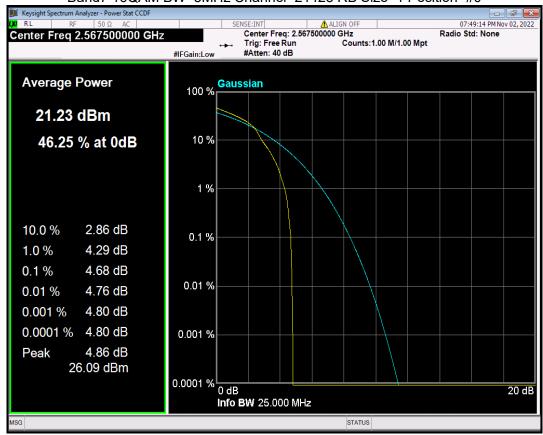


Report No.: LGT22K048RF018 Page 90 of 838

Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0



Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0



Report No.: LGT22K048RF018 Page 91 of 838