

FCC REPORT

(LTE)

Applicant: PAX Technology Limited

Address of Applicant: Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong

Equipment Under Test (EUT)

Product Name: Integrated Smart Terminal

Model No.: E600Mini

Trade mark: PAX

FCC ID: V5PE600MINI

Applicable standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
FCC CFR Title 47 Part 27 Subpart L
FCC CFR Title 47 Part 27 Subpart F
FCC CFR Title 47 Part 27 Subpart H

Date of sample receipt: 03 Nov., 2021

Date of Test: 04 Nov., to 14 Dec., 2021

Date of report issued: 15 Dec., 2021

Test Result: PASS*

*In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2. Version

Version No.	Date	Description
00	15 Dec., 2021	Original

Tested by: Mike.ou **Date:** 15 Dec., 2021
Test Engineer

Reviewed by: Winner Zhang **Date:** 15 Dec., 2021
Project Engineer

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4. Test Summary

Test Items	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Passed (Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913 (a)(5) Part 24.232 (c) Part 27.50 (c)(10) Part 27.50 (d)(4) Part 27.50 (b)(10)	Pass
Peak-to-Average Ratio	Part 24.232 (d) Part 22.913 (d) Part 27.50(d)(5)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53(g) Part 27.53(h) Part 27.53(m)	Pass
Out of band emission at antenna terminals	Part 2.1053 Part 22.917(a) Part 24.238 (a) Part 27.53 (g) Part 27.53 (h) Part 27.53(c)	Pass
Field strength of spurious radiation	Part 22.917(a) Part 24.238 (a) Part 27.53 (g) Part 27.53 (h) Part 27.53(c)	Pass
Frequency stability vs. temperature	Part 22.355 Part 24.235 Part 27.54 Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 22.355 Part 24.235 Part 27.54 Part 2.1055(d)(2)	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (Fundamental Frequency below 1GHz)/1.0dB (Fundamental Frequency above 1GHz) (provided by the customer).		
Test Method:	ANSI/TIA-603-E-2016 ANSI C63.26-2015	

5. General Information

5.1 Client Information

Applicant:	PAX Technology Limited
Address:	Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong
Manufacturer:	PAX Computer Technology (Shenzhen) Co., Ltd.
Address:	4/F, No.3 Building, Software Park, Second Central Science-Tech Road, High-Tech industrial Park, Shenzhen, Guangdong, P.R.C.

5.2 General Description of E.U.T.

Product Name:	Integrated Smart Terminal
Model No.:	E600Mini
Operation Frequency range:	LTE Band 2: TX: 1850MHz-1910MHz RX: 1930MHz-1990MHz LTE Band 4: TX: 1710MHz-1755MHz RX: 2110MHz-2155MHz LTE Band 5: TX: 824MHz-849MHz RX: 869MHz-894MHz LTE Band 12: TX: 699MHz-716MHz RX: 729MHz-746MHz LTE Band 13: TX: 777MHz-787MHz RX: 746MHz-756MHz LTE Band 17: TX: 704MHz-716MHz RX: 734MHz-746MHz
Modulation type:	☒ QPSK ☒ 16QAM ☒ 64QAM
Antenna type:	Monopole Antenna
Antenna gain:	LTE Band 2: 1.2 dBi(declare by Applicant) LTE Band 4: 1.1 dBi(declare by Applicant) LTE Band 5: -2.2 dBi(declare by Applicant) LTE Band 12: -3.5 dBi(declare by Applicant) LTE Band 13: -3.1 dBi(declare by Applicant) LTE Band 17: -3.5 dBi(declare by Applicant)
Power supply:	Rechargeable Li-ion Battery DC3.8V, 6100mAh
AC adapter:	Model: TPD-71A120150UU01 Input: AC100-240V, 50/60Hz, 0.6A Output: DC 3.6-6.0V, 3.0A, 18.0W DC 6.0-9.0V, 2.0A, 18.0W DC 9.0-12.0V, 1.5A, 18.0W
Test Sample Condition:	The applicant provided engineering samples for staying in continuously transmitting for testing.

Operation Frequency List:

LTE Band 2 (1.4MHz)		LTE Band 2 (3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18607	1850.70	18615	1851.50
18608	1850.80	18616	1851.60
....			
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
...	...	...	...
19193	1909.20	19185	1908.40
19194	1909.30	19186	1908.50
LTE Band 2 (5MHz)		LTE Band 2 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18625	1852.50	18650	1855.00
18626	1852.60	18651	1855.10
....			
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
...	...	...	...
19175	1907.40	19150	1904.90
19176	1907.50	19151	1905.00
LTE Band 2 (15MHz)		LTE Band 2 (20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18675	1857.50	18700	1860.00
18676	1857.60	18701	1860.10
....			
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
...	...	...	...
19125	1902.40	19100	1899.90
19126	1902.50	19101	1900.00

LTE Band 4 (1.4MHz)		LTE Band 4 (3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19957	1710.70	19965	1711.50
19958	1710.80	19966	1711.60
....			
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...	...	...	...
20392	1754.20	20384	1753.40
20393	1754.30	20385	1753.50
LTE Band 4 (5MHz)		LTE Band 4 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19975	1712.50	20000	1715.00
19976	1712.60	20001	1715.10
....			
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...	...	...	...
20374	1752.40	20349	1749.90
20375	1752.50	20350	1750.00
LTE Band 4 (15MHz)		LTE Band 4 (20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20025	1717.50	20050	1720.00
20026	1717.60	20051	1720.10
....			
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...	...	...	...
20324	1747.40	20299	1744.90
20325	1747.50	20300	1745.00

LTE Band 5 (1.4MHz)		LTE Band 5 (3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20407	824.70	20415	825.50
20408	824.80	20416	825.60
....			
20524	836.40	20524	836.40
20525	836.50	20525	836.50
20526	836.60	20526	836.60
...	...	...	...
20642	848.20	20634	847.40
20643	848.30	20635	847.50
LTE Band 5 (5MHz)		LTE Band 5 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20425	826.50	20450	829.00
20426	826.60	20451	829.10
....			
20524	836.40	20524	836.40
20525	836.50	20525	836.50
20526	836.60	20526	836.60
...	...	...	...
20624	846.40	20599	839.90
20625	846.50	20600	844.00

LTE Band 12 (1.4MHz)		LTE Band 12 (3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23017	699.70	23025	700.50
23756	699.80	23026	700.60
....			
23094	707.40	23094	707.40
23095	707.50	23095	707.50
23096	707.60	23096	707.60
...	...	...	...
23172	715.20	23164	714.40
23173	715.30	23165	714.50
LTE Band 12 (5MHz)		LTE Band 12 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23035	701.50	23060	704.00
23036	701.60	23061	704.10
....			
23094	707.40	23094	707.40
23095	707.50	23095	707.50
23096	707.60	23096	707.60
...	...	...	...
23154	713.40	23129	710.90
23155	713.50	23130	711.00

LTE Band 13 (5MHz)		LTE Band 13 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23205	779.50	/	/
23206	779.60	/	/
....		/	/
23229	781.90	/	/
23230	782.00	23230	782.00
23231	782.10	/	/
...	...	/	/
23255	784.50	/	/
23256	784.60	/	/

LTE Band 17 (5MHz)		LTE Band 17 (10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
23755	706.50	23780	709.00
23756	706.60	23781	709.10
....			
23789	709.90	23789	709.90
23790	710.00	23790	710.00
23791	710.10	23791	710.10
...	...	...	...
23824	713.40	23799	710.90
23825	713.50	23800	711.00

Regards to the operating frequency range, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channels as below:

LTE Band 2 (1.4MHz)			LTE Band 2 (3MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18607	1850.70	Lowest channel	18615	1851.50
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19193	1909.30	Highest channel	19185	1908.50
LTE Band 2 (5MHz)			LTE Band 2 (10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18625	1852.50	Lowest channel	18650	1855.00
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19175	1907.50	Highest channel	19150	1905.00
LTE Band 2 (15MHz)			LTE Band 2 (20MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18675	1857.50	Lowest channel	18700	1860.00
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19125	1902.50	Highest channel	19100	1900.00

LTE Band 4 (1.4MHz)			LTE Band 4 (3MHz)		
Channel:		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	19957	1710.70	Lowest channel	19965	1711.50
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20393	1754.30	Highest channel	20385	1753.50
LTE Band 4 (5MHz)			LTE Band 4 (10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	19975	1712.50	Lowest channel	20000	1715.00
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20375	1752.50	Highest channel	20350	1750.00
LTE Band 4 (15MHz)			LTE Band 4 (20MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	20025	1717.50	Lowest channel	20050	1720.00
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20325	1747.50	Highest channel	20300	1745.00

LTE Band 5 (1.4MHz)			LTE Band 5 (3MHz)		
Channel:		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	20407	824.70	Lowest channel	20415	825.50
Middle channel	20525	836.50	Middle channel	20525	836.50
Highest channel	20643	848.30	Highest channel	20635	847.50
LTE Band 5 (5MHz)			LTE Band 5 (10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	20425	826.50	Lowest channel	20450	829.00
Middle channel	20525	836.50	Middle channel	20525	836.50
Highest channel	20625	846.50	Highest channel	20600	844.00

LTE Band 12(1.4MHz)			LTE Band 12(3MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	23017	699.70	Lowest channel	23025	700.50
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23173	715.30	Highest channel	23165	714.50
LTE Band 12(5MHz)			LTE Band 12(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	23035	701.50	Lowest channel	23060	704.00
Middle channel	23095	707.50	Middle channel	23095	707.50
Highest channel	23155	713.50	Highest channel	23130	711.00

LTE Band 13(5MHz)			LTE Band 13(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	23205	779.5	Lowest channel	/	/
Middle channel	23230	782.0	Middle channel	23230	782.00
Highest channel	23255	784.5	Highest channel	/	/

LTE Band 17(5MHz)			LTE Band 17(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	23755	706.50	Lowest channel	23780	709.00
Middle channel	23790	710.00	Middle channel	23790	710.00
Highest channel	23825	713.50	Highest channel	23800	711.00

5.3 Test environment and mode

Operating Environment:	
Temperature:	Normal: 15°C ~ 35°C, Extreme: -30°C ~ +50°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.8Vdc, Extreme: Low 3.50 Vdc, High 4.35 Vdc
Test mode:	
LTE QPSK mode	Keep the EUT communication with simulated station in QPSK mode
LTE 16-QAM mode	Keep the EUT communication with simulated station in 16-QAM mode
Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	

5.4 Description of Support Units

Test Equipment	Manufacturer	Model No.	Serial No.
Simulated Station	Anritsu	MT8820C	6201026545

5.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission (9kHz ~ 30MHz electric field) for 3m SAC	3.13 dB
Radiated Emission (9kHz ~ 30MHz magnetic field) for 3m SAC	3.13 dB
Radiated Emission (30MHz ~ 1GHz) for 3m SAC	4.45 dB
Radiated Emission (1GHz ~ 18GHz) for 3m SAC	5.34 dB
Radiated Emission (18GHz ~ 40GHz) for 3m SAC	5.34 dB

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.
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5.7 Additions to, deviations, or exclusions from the method

No

5.8 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations: ● FCC - Designation No.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● CNAS - Registration No.: CNAS L15527 JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf
--

5.9 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://www.ccis-cb.com>

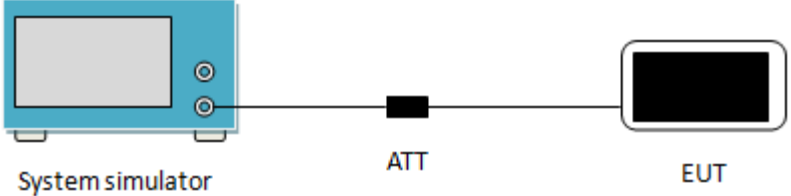
5.10 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	RFD-100	Q1984	04-14-2021	04-13-2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-044	03-07-2021	03-06-2022
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022
Simulated Station	Anritsu	MT8820C	6201026545	03-03-2021	03-02-2022
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022
EMI Test Software	Tonscend	TS+	Version:3.0.0.1		

Conducted method:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9020B	MY57431500	07-02-2021	07-01-2022
Simulated Station	Rohde & Schwarz	CMW500	108209	07-02-2021	07-01-2022
RF Control Unit	Tonscend	JS0806-1	N/A	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	21A8060360	N/A	N/A
Test Software	Tonscend	TS+	Version: 2.6.9.0526		

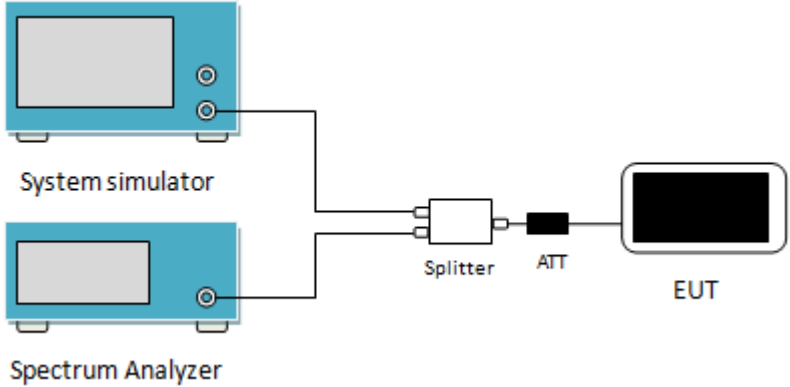
6. Test results

6.1 Conducted Output Power, ERP and EIRP

Test Requirement:	Part 22.913(a)(5), Part 24.232(c), part 27.50(c)(10), Part 27.50(d)(4), Part 27.50 (b)(10)
Limit:	LTE Band 2: 2W, LTE Band 4: 1W, LTE Band 5: 7W, LTE Band 12: 3W, LTE Band 13: 7W, LTE Band 17: 3W
Test Setup:	 The diagram shows a blue 'System simulator' box connected by a line to a black 'ATT' (attenuator) box, which is then connected to a black 'EUT' (Equipment Under Test) box.
Test Procedure:	The transmitter output was connected to a calibrated attenuator, the other end of which was connected to the CMW500. Transmitter output power was read off in dBm.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

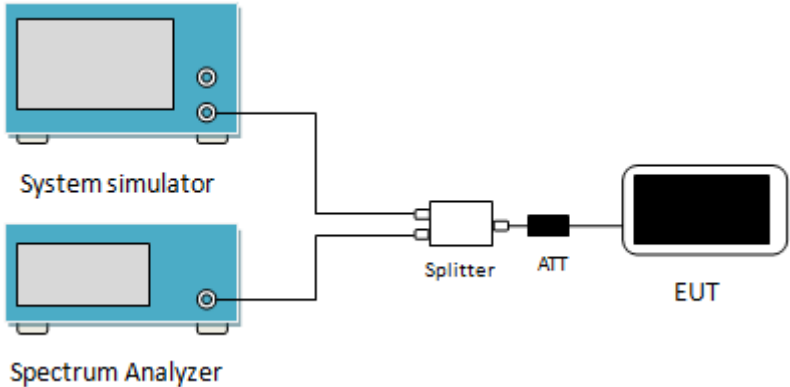
Measurement Data: See to LTE Test data Appendix A.

6.2 Peak-to-Average Ratio

Test Requirement:	Part 24.232 (d), Part 27.50(d)(5)
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Test Setup:	 The diagram illustrates the test setup. On the left, there are two blue rectangular units: the top one is labeled 'System simulator' and the bottom one is labeled 'Spectrum Analyzer'. Both have a single output port. These two ports are connected to a single input port of a white rectangular unit labeled 'Splitter'. The 'Splitter' has two output ports. One output port is connected to a black rectangular unit labeled 'ATT' (Attenuator). The other output port is connected to a black rectangular unit labeled 'EUT' (Equipment Under Test).
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 Set the CCDF option in spectrum analyzer, $RBW \geq OBW$, 3 Set the EUT working in highest power level, measured and recorded the 0.1% as PAPR level. 4 Repeat step 1~3 at other frequency and modulations.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

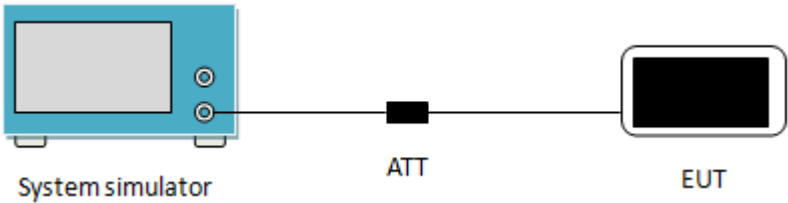
Measurement Data: See to LTE Test data Appendix B.

6.3 Occupy Bandwidth

Test Requirement:	Part 22.917(b), Part 24.238(b), Part 27.53(g), Part 27.53(h), Part 27.53(c)
Test Setup:	 The diagram illustrates the test setup. On the left, there are two blue rectangular units: the top one is labeled 'System simulator' and the bottom one is labeled 'Spectrum Analyzer'. Both have a single output port. These two ports are connected to a single input port of a white rectangular unit labeled 'Splitter'. The 'Splitter' has two output ports. One output port is connected to a black rectangular unit labeled 'ATT' (Attenuator). The other output port of the 'Splitter' is connected to the input of a white rectangular unit labeled 'EUT' (Equipment Under Test).
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer 2. RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW. 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

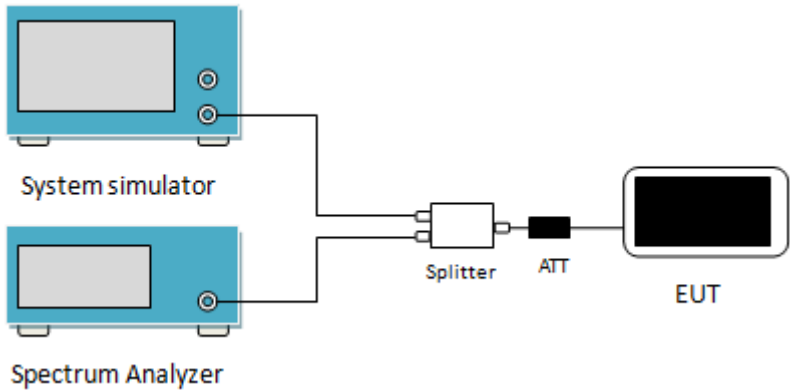
Measurement Data: See to LTE Test data Appendix C.

6.4 Modulation Characteristic

Test Requirement:	FCC part 2.1047
Test setup:	 The diagram illustrates the test setup for modulation characteristics. It consists of three main components connected in a linear fashion: a 'System simulator' (represented by a blue rectangular box with a screen and two ports), an 'ATT' (Attenuator, represented by a small black square), and an 'EUT' (Equipment Under Test, represented by a black rectangular box with a screen). The connections are shown as lines between the ports of the simulator and the attenuator, and between the attenuator and the EUT.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

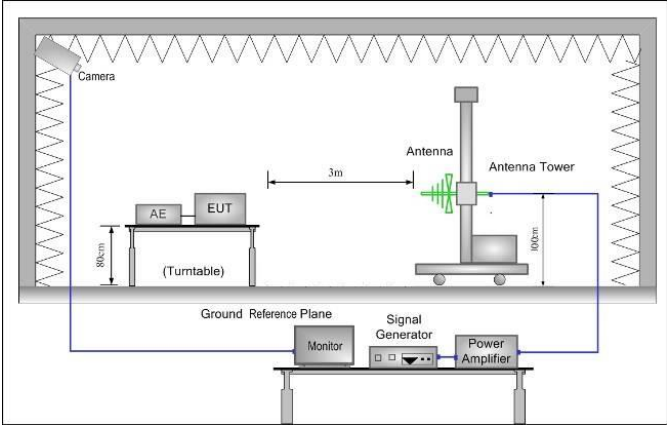
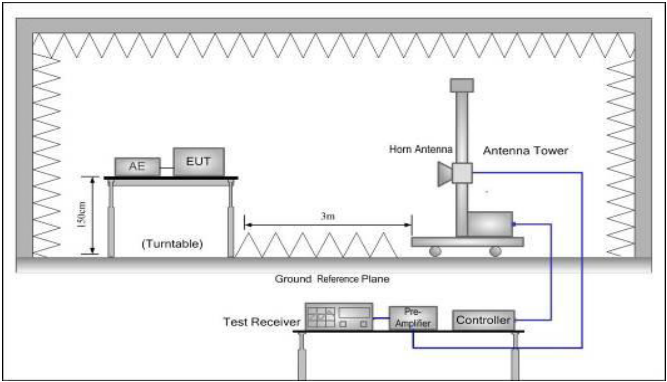
Measurement Data: See to Appendix G.

6.5 Out of band emission at antenna terminals

Test Requirement:	Part 22.917(a), Part 24.238 (a), part 27.53(g), part 27.53(h), Part 27.53(c)
Limit:	LTE Band 2 & 4 & 5 & 12 & 13 & 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm).
Test Setup:	 The diagram shows a test setup for out-of-band emission measurement. A System simulator and a Spectrum Analyzer are connected to a Splitter. The Splitter is connected to an ATT (Attenuator) and then to the EUT (Equipment Under Test).
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 For the out of band: For Band 5 & 12 & 17 set the RBW=100 kHz, VBW=300 kHz and for Band 2 & 4 & 7 set the RBW=1 MHz, VBW=3 MHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic. 3 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	Pre-scan all RB Size and offset, and found the RB Size and offset of worst case, so the report shows only the worst case test data.

Measurement Data: See to LTE Test data Appendix D and E.

6.6 Field strength of spurious radiation measurement

Test Requirement:	Part 22.917(a), Part 24.238 (a), Part 27.53(g), Part 27.53(c), Part 27.53(h)
Limit:	LTE Band 2 & 4 & 5 & 12 & 13 & 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm).
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $ERP / EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data:
LTE Band 2 part:

Band 2 (1.4MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3701.40	-41.46	-1.40	-42.86	-13.00	29.86	Vertical
5552.10	-43.66	5.27	-38.39	-13.00	25.39	Vertical
7402.00	-49.58	13.00	-36.58	-13.00	23.58	Vertical
3701.40	-40.90	-1.40	-42.30	-13.00	29.30	Horizontal
5552.10	-46.24	5.27	-40.97	-13.00	27.97	Horizontal
7402.00	-50.88	13.00	-37.88	-13.00	24.88	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3760.00	-41.69	-1.03	-42.72	-13.00	29.72	Vertical
5640.00	-43.24	6.06	-37.18	-13.00	24.18	Vertical
7520.00	-49.83	13.29	-36.54	-13.00	23.54	Vertical
3760.00	-40.75	-1.03	-41.78	-13.00	28.78	Horizontal
5640.00	-46.49	6.06	-40.43	-13.00	27.43	Horizontal
7520.00	-51.31	13.29	-38.02	-13.00	25.02	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3816.60	-41.63	-0.83	-42.46	-13.00	29.46	Vertical
5724.90	-44.16	6.82	-37.34	-13.00	24.34	Vertical
7633.20	-49.50	13.44	-36.06	-13.00	23.06	Vertical
3816.60	-40.43	-0.83	-41.26	-13.00	28.26	Horizontal
5724.90	-46.22	6.82	-39.40	-13.00	26.40	Horizontal
7633.20	-51.03	13.44	-37.59	-13.00	24.59	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

Band 2 (20MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3720.00	-41.35	-1.28	-42.63	-13.00	29.63	Vertical
5580.00	-43.36	5.36	-38.00	-13.00	25.00	Vertical
7440.00	-49.28	13.04	-36.24	-13.00	23.24	Vertical
3720.00	-40.41	-1.28	-41.69	-13.00	28.69	Horizontal
5580.00	-46.74	5.36	-41.38	-13.00	28.38	Horizontal
7440.00	-50.55	13.04	-37.51	-13.00	24.51	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3760.00	-41.64	-1.03	-42.67	-13.00	29.67	Vertical
5640.00	-43.29	6.06	-37.23	-13.00	24.23	Vertical
7520.00	-49.52	13.29	-36.23	-13.00	23.23	Vertical
3760.00	-41.24	-1.03	-42.27	-13.00	29.27	Horizontal
5640.00	-46.95	6.06	-40.89	-13.00	27.89	Horizontal
7520.00	-51.13	13.29	-37.84	-13.00	24.84	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3800.00	-41.42	-0.83	-42.25	-13.00	29.25	Vertical
5700.00	-43.83	6.62	-37.21	-13.00	24.21	Vertical
7600.00	-49.50	13.71	-35.79	-13.00	22.79	Vertical
3800.00	-39.95	-0.83	-40.78	-13.00	27.78	Horizontal
5700.00	-46.68	6.62	-40.06	-13.00	27.06	Horizontal
7600.00	-50.86	13.71	-37.15	-13.00	24.15	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

LTE Band 4 part:

Band 4 (1.4MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3421.40	-39.35	-1.82	-41.17	-13.00	28.17	Vertical
5132.10	-47.30	4.62	-42.68	-13.00	29.68	Vertical
6842.80	-50.80	10.44	-40.36	-13.00	27.36	Vertical
3421.40	-41.49	-1.82	-43.31	-13.00	30.31	Horizontal
5132.10	-48.48	4.62	-43.86	-13.00	30.86	Horizontal
6842.80	-50.91	10.44	-40.47	-13.00	27.47	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3465.00	-38.95	-1.73	-40.68	-13.00	27.68	Vertical
5197.50	-47.40	4.76	-42.64	-13.00	29.64	Vertical
6930.00	-50.38	10.76	-39.62	-13.00	26.62	Vertical
3465.00	-41.66	-1.73	-43.39	-13.00	30.39	Horizontal
5197.50	-48.57	4.76	-43.81	-13.00	30.81	Horizontal
6930.00	-50.98	10.76	-40.22	-13.00	27.22	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3508.60	-39.13	-1.64	-40.77	-13.00	27.77	Vertical
5262.90	-47.37	5.04	-42.33	-13.00	29.33	Vertical
7017.20	-50.68	11.33	-39.35	-13.00	26.35	Vertical
3508.60	-41.97	-1.64	-43.61	-13.00	30.61	Horizontal
5262.90	-48.66	5.04	-43.62	-13.00	30.62	Horizontal
7017.20	-50.99	11.33	-39.66	-13.00	26.66	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

Band 4 (20MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3440.00	-39.47	-1.82	-41.29	-13.00	28.29	Vertical
5160.00	-47.68	4.71	-42.97	-13.00	29.97	Vertical
6880.00	-50.40	10.54	-39.86	-13.00	26.86	Vertical
3440.00	-41.84	-1.82	-43.66	-13.00	30.66	Horizontal
5160.00	-48.54	4.71	-43.83	-13.00	30.83	Horizontal
6880.00	-50.81	10.54	-40.27	-13.00	27.27	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3465.00	-48.16	-1.73	-49.89	-13.00	36.89	Vertical
5197.50	-47.19	4.76	-42.43	-13.00	29.43	Vertical
6930.00	-50.42	10.76	-39.66	-13.00	26.66	Vertical
3465.00	-41.29	-1.73	-43.02	-13.00	30.02	Horizontal
5197.50	-48.56	4.76	-43.80	-13.00	30.80	Horizontal
6930.00	-51.05	10.76	-40.29	-13.00	27.29	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
3490.00	-39.21	-1.65	-40.86	-13.00	27.86	Vertical
5235.00	-47.84	4.95	-42.89	-13.00	29.89	Vertical
6980.00	-50.95	10.98	-39.97	-13.00	26.97	Vertical
3490.00	-41.99	-1.65	-43.64	-13.00	30.64	Horizontal
5235.00	-48.92	4.95	-43.97	-13.00	30.97	Horizontal
6980.00	-50.50	10.98	-39.52	-13.00	26.52	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

LTE Band 5 part:

Band 5 (1.4MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1649.40	-26.16	-9.89	-36.05	-13.00	23.05	Vertical
2474.10	-27.03	-5.57	-32.60	-13.00	19.60	Vertical
3298.80	-28.95	-2.14	-31.09	-13.00	18.09	Vertical
1649.40	-26.49	-9.89	-36.38	-13.00	23.38	Horizontal
2474.10	-26.22	-5.57	-31.79	-13.00	18.79	Horizontal
3298.80	-28.54	-2.14	-30.68	-13.00	17.68	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1673.30	-25.90	-9.88	-35.78	-13.00	22.78	Vertical
2509.50	-27.49	-5.29	-32.78	-13.00	19.78	Vertical
3346.00	-28.68	-2.05	-30.73	-13.00	17.73	Vertical
1673.30	-26.88	-9.88	-36.76	-13.00	23.76	Horizontal
2509.50	-25.88	-5.29	-31.17	-13.00	18.17	Horizontal
3346.00	-28.64	-2.05	-30.69	-13.00	17.69	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1696.60	-25.68	-9.87	-35.55	-13.00	22.55	Vertical
2544.90	-26.69	-5.13	-31.82	-13.00	18.82	Vertical
3393.20	-28.50	-1.97	-30.47	-13.00	17.47	Vertical
1696.60	-26.26	-9.87	-36.13	-13.00	23.13	Horizontal
2544.90	-26.72	-5.13	-31.85	-13.00	18.85	Horizontal
3393.20	-28.74	-1.97	-30.71	-13.00	17.71	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

Band 5 (10MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1658.00	-26.56	-9.89	-36.45	-13.00	23.45	Vertical
2487.00	-26.97	-5.45	-32.42	-13.00	19.42	Vertical
3316.00	-29.28	-2.09	-31.37	-13.00	18.37	Vertical
1658.00	-26.38	-9.89	-36.27	-13.00	23.27	Horizontal
2487.00	-26.34	-5.45	-31.79	-13.00	18.79	Horizontal
3316.00	-28.19	-2.09	-30.28	-13.00	17.28	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1673.30	-25.47	-9.88	-35.35	-13.00	22.35	Vertical
2509.50	-27.15	-5.29	-32.44	-13.00	19.44	Vertical
3346.00	-28.76	-2.05	-30.81	-13.00	17.81	Vertical
1673.30	-27.15	-9.88	-37.03	-13.00	24.03	Horizontal
2509.50	-26.33	-5.29	-31.62	-13.00	18.62	Horizontal
3346.00	-28.54	-2.05	-30.59	-13.00	17.59	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1688.00	-25.95	-9.87	-35.82	-13.00	22.82	Vertical
2532.00	-26.96	-5.13	-32.09	-13.00	19.09	Vertical
3376.00	-28.38	-1.97	-30.35	-13.00	17.35	Vertical
1688.00	-26.47	-9.87	-36.34	-13.00	23.34	Horizontal
2532.00	-26.43	-5.13	-31.56	-13.00	18.56	Horizontal
3376.00	-28.91	-1.97	-30.88	-13.00	17.88	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

LTE Band 12 part:

Band 12 (1.4MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1399.40	-13.82	-8.43	-22.25	-13.00	9.25	Vertical
2099.10	-18.13	-7.76	-25.89	-13.00	12.89	Vertical
2798.80	-31.81	-3.98	-35.79	-13.00	22.79	Vertical
1399.40	-15.13	-8.43	-23.56	-13.00	10.56	Horizontal
2099.10	-17.63	-7.76	-25.39	-13.00	12.39	Horizontal
2798.80	-33.97	-3.98	-37.95	-13.00	24.95	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1415.00	-13.35	-8.60	-21.95	-13.00	8.95	Vertical
2122.50	-18.49	-7.65	-26.14	-13.00	13.14	Vertical
2830.00	-31.65	-3.91	-35.56	-13.00	22.56	Vertical
1415.00	-14.89	-8.60	-23.49	-13.00	10.49	Horizontal
2122.50	-17.57	-7.65	-25.22	-13.00	12.22	Horizontal
2830.00	-34.36	-3.91	-38.27	-13.00	25.27	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1430.60	-14.28	-8.77	-23.05	-13.00	10.05	Vertical
2145.90	-18.45	-7.54	-25.99	-13.00	12.99	Vertical
2861.20	-31.74	-3.78	-35.52	-13.00	22.52	Vertical
1430.60	-15.26	-8.77	-24.03	-13.00	11.03	Horizontal
2145.90	-17.26	-7.54	-24.80	-13.00	11.80	Horizontal
2861.20	-33.86	-3.78	-37.64	-13.00	24.64	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

Band 12 (10MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1408.00	-13.65	-8.60	-22.25	-13.00	9.25	Vertical
2112.00	-18.31	-7.65	-25.96	-13.00	12.96	Vertical
2816.00	-32.29	-3.91	-36.20	-13.00	23.20	Vertical
1408.00	-15.46	-8.60	-24.06	-13.00	11.06	Horizontal
2112.00	-17.61	-7.65	-25.26	-13.00	12.26	Horizontal
2816.00	-34.14	-3.91	-38.05	-13.00	25.05	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1415.00	-13.66	-8.60	-22.26	-13.00	9.26	Vertical
2122.50	-18.85	-7.65	-26.50	-13.00	13.50	Vertical
2830.00	-31.54	-3.91	-35.45	-13.00	22.45	Vertical
1415.00	-14.41	-8.60	-23.01	-13.00	10.01	Horizontal
2122.50	-17.33	-7.65	-24.98	-13.00	11.98	Horizontal
2830.00	-34.76	-3.91	-38.67	-13.00	25.67	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1422.00	-14.37	-8.60	-22.97	-13.00	9.97	Vertical
2133.00	-18.39	-7.54	-25.93	-13.00	12.93	Vertical
2844.00	-31.43	-3.85	-35.28	-13.00	22.28	Vertical
1422.00	-15.66	-8.60	-24.26	-13.00	11.26	Horizontal
2133.00	-17.61	-7.54	-25.15	-13.00	12.15	Horizontal
2844.00	-33.88	-3.85	-37.73	-13.00	24.73	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

LTE Band 13 part:

Band 13 (5MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1559.00	-19.38	-9.65	-29.03	-13.00	16.03	Vertical
2338.50	-24.69	-6.29	-30.98	-13.00	17.98	Vertical
3118.00	-39.62	-2.31	-41.93	-13.00	28.93	Vertical
1559.00	-18.22	-9.65	-27.87	-13.00	14.87	Horizontal
2338.50	-21.20	-6.29	-27.49	-13.00	14.49	Horizontal
3118.00	-37.80	-2.31	-40.11	-13.00	27.11	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1564.00	-19.27	-9.65	-28.92	-13.00	15.92	Vertical
2346.00	-24.39	-6.16	-30.55	-13.00	17.55	Vertical
3128.00	-39.81	-2.31	-42.12	-13.00	29.12	Vertical
1564.00	-18.03	-9.65	-27.68	-13.00	14.68	Horizontal
2346.00	-20.99	-6.16	-27.15	-13.00	14.15	Horizontal
3128.00	-37.48	-2.31	-39.79	-13.00	26.79	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1569.00	-19.50	-9.83	-29.33	-13.00	16.33	Vertical
2353.50	-24.59	-6.16	-30.75	-13.00	17.75	Vertical
3138.00	-39.59	-2.31	-41.90	-13.00	28.90	Vertical
1569.00	-17.75	-9.83	-27.58	-13.00	14.58	Horizontal
2353.50	-20.97	-6.16	-27.13	-13.00	14.13	Horizontal
3138.00	-37.55	-2.31	-39.86	-13.00	26.86	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

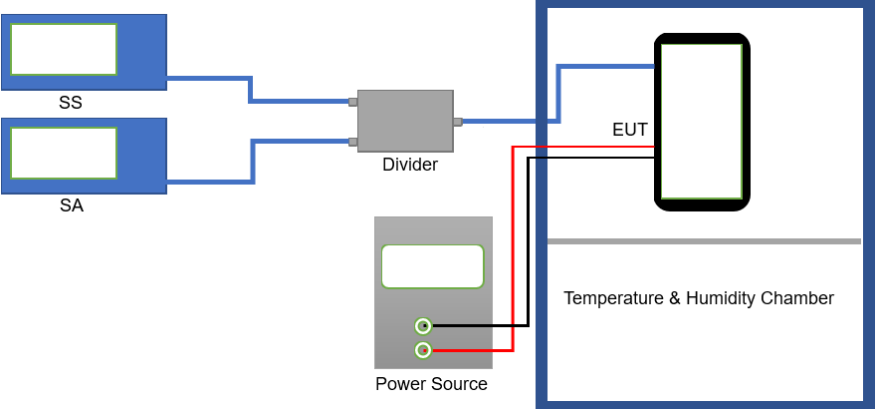
Band 13 (10MHz)						
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1564.00	-19.36	-9.65	-29.01	-13.00	16.01	Vertical
2346.00	-24.40	-6.16	-30.56	-13.00	17.56	Vertical
3128.00	-39.57	-2.31	-41.88	-13.00	28.88	Vertical
1564.00	-18.28	-9.65	-27.93	-13.00	14.93	Horizontal
2346.00	-21.31	-6.16	-27.47	-13.00	14.47	Horizontal
3128.00	-37.17	-2.31	-39.48	-13.00	26.48	Horizontal
<i>Remark:</i> <i>The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.</i>						

LTE Band 17 part:

Band 17 (5MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1413.00	-14.80	-8.60	-23.40	-13.00	10.40	Vertical
2119.50	-23.85	-7.65	-31.50	-13.00	18.50	Vertical
2826.00	-27.99	-3.91	-31.90	-13.00	18.90	Vertical
1413.00	-15.06	-8.60	-23.66	-13.00	10.66	Horizontal
2119.50	-19.40	-7.65	-27.05	-13.00	14.05	Horizontal
2826.00	-28.96	-3.91	-32.87	-13.00	19.87	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1420.00	-15.11	-8.60	-23.71	-13.00	10.71	Vertical
2130.00	-23.98	-7.54	-31.52	-13.00	18.52	Vertical
2840.00	-27.80	-3.85	-31.65	-13.00	18.65	Vertical
1420.00	-15.47	-8.60	-24.07	-13.00	11.07	Horizontal
2130.00	-19.74	-7.54	-27.28	-13.00	14.28	Horizontal
2840.00	-29.21	-3.85	-33.06	-13.00	20.06	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1427.00	-14.54	-8.77	-23.31	-13.00	10.31	Vertical
2140.50	-23.85	-7.54	-31.39	-13.00	18.39	Vertical
2854.00	-28.31	-3.85	-32.16	-13.00	19.16	Vertical
1427.00	-15.12	-8.77	-23.89	-13.00	10.89	Horizontal
2140.50	-19.45	-7.54	-26.99	-13.00	13.99	Horizontal
2854.00	-29.00	-3.85	-32.85	-13.00	19.85	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

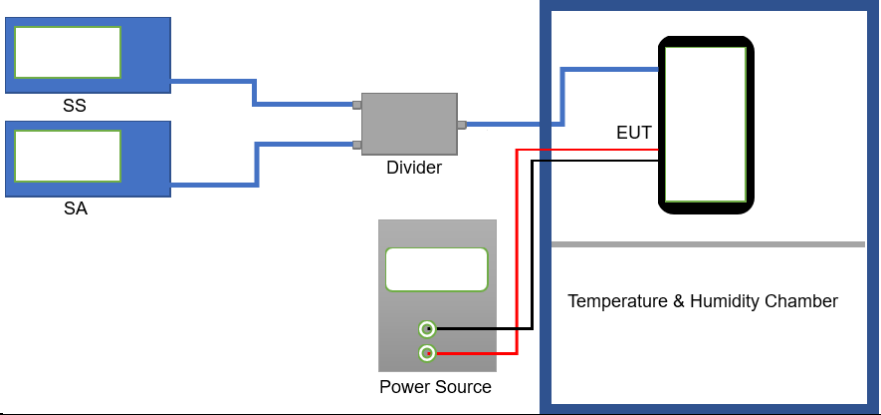
Band 17 (10MHz)						
Lowest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1418.00	-14.94	-8.60	-23.54	-13.00	10.54	Vertical
2127.00	-24.29	-7.65	-31.94	-13.00	18.94	Vertical
2836.00	-27.93	-3.85	-31.78	-13.00	18.78	Vertical
1418.00	-14.72	-8.60	-23.32	-13.00	10.32	Horizontal
2127.00	-19.14	-7.65	-26.79	-13.00	13.79	Horizontal
2836.00	-29.10	-3.85	-32.95	-13.00	19.95	Horizontal
Middle channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1418.00	-14.94	-8.60	-23.32	-13.00	10.54	Vertical
2127.00	-24.29	-7.65	-31.81	-13.00	18.94	Vertical
2836.00	-27.93	-3.85	-31.87	-13.00	18.78	Vertical
1418.00	-14.72	-8.60	-22.99	-13.00	10.32	Horizontal
2127.00	-19.14	-7.65	-26.65	-13.00	13.79	Horizontal
2836.00	-29.10	-3.85	-32.99	-13.00	19.95	Horizontal
Highest channel						
Frequency (MHz)	Spurious Emission level (dBm)	Factor (dB)	Level at antenna terminals (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
1422.00	-14.71	-8.60	-23.31	-13.00	10.31	Vertical
2133.00	-24.09	-7.54	-31.63	-13.00	18.63	Vertical
2844.00	-28.33	-3.85	-32.18	-13.00	19.18	Vertical
1422.00	-14.80	-8.60	-23.40	-13.00	10.40	Horizontal
2133.00	-19.56	-7.54	-27.10	-13.00	14.10	Horizontal
2844.00	-29.43	-3.85	-33.28	-13.00	20.28	Horizontal
Remark: The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.						

6.7 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Limit:	±2.5 ppm for Band 5 Within authorized band for Band 2 & 4 & 7 & 12 & 13 & 17
Test setup:	
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data: See to LTE Test data Appendix F.

6.8 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(d)(2)
Limit:	±2.5 ppm for Band 5 Within authorized band for Band 2 & 4 & 7 & 12 & 13 & 17
Test setup:	
Test procedure:	1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Measurement Data:	Refer to Appendix F – LTE

Measurement Data: See to LTE Test data Appendix F.

Appendix A: Effective (Isotropic) Radiated Power Output Data

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.47	22.47	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.37	22.37	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.41	22.41	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.48	22.48	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.40	22.4	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#2	22.41	22.41	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.46	21.46	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.44	22.44	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.36	22.36	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.35	22.35	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.39	22.39	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.36	22.36	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#2	22.34	22.34	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.35	21.35	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.32	22.32	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.27	22.27	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.24	22.24	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.34	22.34	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.33	22.33	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#2	22.32	22.32	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.31	21.31	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.26	21.26	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.16	22.16	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.16	22.16	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.21	21.21	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.20	21.2	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#2	21.17	21.17	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.67	20.67	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.28	21.28	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.36	21.36	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.47	21.47	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.41	21.41	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.43	21.43	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#2	21.41	21.41	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.46	20.46	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.14	21.14	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.17	21.17	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.92	20.92	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.03	21.03	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.04	21.04	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#2	21.33	21.33	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.49	20.49	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.46	22.46	33	PASS
Band2	3MHz	QPSK	18615	1RB#7	22.46	22.46	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.43	22.43	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.46	21.46	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.48	21.48	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.64	21.64	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.46	21.46	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.33	22.33	33	PASS
Band2	3MHz	QPSK	18900	1RB#7	22.25	22.25	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.28	22.28	33	PASS

Band2	3MHz	QPSK	18900	8RB#0	21.32	21.32	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.32	21.32	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.40	21.4	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.37	21.37	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.39	22.39	33	PASS
Band2	3MHz	QPSK	19185	1RB#7	22.31	22.31	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.38	22.38	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.48	21.48	33	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.30	21.3	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.28	21.28	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.42	21.42	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.32	21.32	33	PASS
Band2	3MHz	16QAM	18615	1RB#7	21.37	21.37	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.36	21.36	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.65	20.65	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.66	20.66	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.75	20.75	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.62	20.62	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.07	21.07	33	PASS
Band2	3MHz	16QAM	18900	1RB#7	21.00	21	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.03	21.03	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.55	20.55	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.57	20.57	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.54	20.54	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.34	20.34	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.25	21.25	33	PASS
Band2	3MHz	16QAM	19185	1RB#7	21.22	21.22	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.23	21.23	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.44	20.44	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.43	20.43	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.46	20.46	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.44	20.44	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.39	22.39	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.38	22.38	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.41	22.41	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.48	21.48	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.49	21.49	33	PASS
Band2	5MHz	QPSK	18625	12RB#11	21.56	21.56	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.57	21.57	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.28	22.28	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.23	22.23	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.25	22.25	33	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.50	21.5	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.50	21.5	33	PASS
Band2	5MHz	QPSK	18900	12RB#11	21.50	21.5	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.56	21.56	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.47	22.47	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.47	22.47	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.47	22.47	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.45	21.45	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.49	21.49	33	PASS
Band2	5MHz	QPSK	19175	12RB#11	21.40	21.4	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.38	21.38	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.88	20.88	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	20.90	20.9	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.92	20.92	33	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.54	20.54	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.55	20.55	33	PASS
Band2	5MHz	16QAM	18625	12RB#11	20.57	20.57	33	PASS

Band2	5MHz	16QAM	18625	25RB#0	20.70	20.7	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.57	21.57	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.59	21.59	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.52	21.52	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.52	20.52	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.52	20.52	33	PASS
Band2	5MHz	16QAM	18900	12RB#11	20.54	20.54	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.52	20.52	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.15	21.15	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.05	21.05	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.23	21.23	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.42	20.42	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.43	20.43	33	PASS
Band2	5MHz	16QAM	19175	12RB#11	20.43	20.43	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.45	20.45	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.48	22.48	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.49	22.49	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.53	22.53	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.52	21.52	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.60	21.6	33	PASS
Band2	10MHz	QPSK	18650	25RB#24	21.61	21.61	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.46	21.46	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.33	22.33	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.25	22.25	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.22	22.22	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.51	21.51	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.38	21.38	33	PASS
Band2	10MHz	QPSK	18900	25RB#24	21.48	21.48	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.44	21.44	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.35	22.35	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.42	22.42	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.37	22.37	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.39	21.39	33	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.52	21.52	33	PASS
Band2	10MHz	QPSK	19150	25RB#24	21.54	21.54	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.35	21.35	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.55	21.55	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.46	21.46	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.56	21.56	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.56	20.56	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.57	20.57	33	PASS
Band2	10MHz	16QAM	18650	25RB#24	20.57	20.57	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.56	20.56	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.31	21.31	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.38	21.38	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.27	21.27	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.57	20.57	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.57	20.57	33	PASS
Band2	10MHz	16QAM	18900	25RB#24	20.57	20.57	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.50	20.5	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.93	21.93	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.86	21.86	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.92	21.92	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.52	20.52	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.54	20.54	33	PASS
Band2	10MHz	16QAM	19150	25RB#24	20.54	20.54	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.47	20.47	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.46	22.46	33	PASS
Band2	15MHz	QPSK	18675	1RB#37	22.47	22.47	33	PASS

Band2	15MHz	QPSK	18675	1RB#74	22.50	22.5	33	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.59	21.59	33	PASS
Band2	15MHz	QPSK	18675	36RB#16	21.61	21.61	33	PASS
Band2	15MHz	QPSK	18675	36RB#35	21.61	21.61	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.63	21.63	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.42	22.42	33	PASS
Band2	15MHz	QPSK	18900	1RB#37	22.20	22.2	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.29	22.29	33	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.50	21.5	33	PASS
Band2	15MHz	QPSK	18900	36RB#16	21.48	21.48	33	PASS
Band2	15MHz	QPSK	18900	36RB#35	21.40	21.4	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.34	21.34	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.39	22.39	33	PASS
Band2	15MHz	QPSK	19125	1RB#37	22.45	22.45	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.42	22.42	33	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.47	21.47	33	PASS
Band2	15MHz	QPSK	19125	36RB#16	21.44	21.44	33	PASS
Band2	15MHz	QPSK	19125	36RB#35	21.46	21.46	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.47	21.47	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.56	21.56	33	PASS
Band2	15MHz	16QAM	18675	1RB#37	21.49	21.49	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.51	21.51	33	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.57	20.57	33	PASS
Band2	15MHz	16QAM	18675	36RB#16	20.55	20.55	33	PASS
Band2	15MHz	16QAM	18675	36RB#35	20.58	20.58	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.62	20.62	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.63	21.63	33	PASS
Band2	15MHz	16QAM	18900	1RB#37	21.56	21.56	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.50	21.5	33	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.58	20.58	33	PASS
Band2	15MHz	16QAM	18900	36RB#16	20.58	20.58	33	PASS
Band2	15MHz	16QAM	18900	36RB#35	20.59	20.59	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.51	20.51	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.91	21.91	33	PASS
Band2	15MHz	16QAM	19125	1RB#37	21.95	21.95	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.95	21.95	33	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.44	20.44	33	PASS
Band2	15MHz	16QAM	19125	36RB#16	20.47	20.47	33	PASS
Band2	15MHz	16QAM	19125	36RB#35	20.49	20.49	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.53	20.53	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.62	22.62	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.63	22.63	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.65	22.65	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.50	21.5	33	PASS
Band2	20MHz	QPSK	18700	50RB#24	21.52	21.52	33	PASS
Band2	20MHz	QPSK	18700	50RB#49	21.52	21.52	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.44	21.44	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.46	22.46	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.47	22.47	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.47	22.47	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.45	21.45	33	PASS
Band2	20MHz	QPSK	18900	50RB#24	21.44	21.44	33	PASS
Band2	20MHz	QPSK	18900	50RB#49	21.48	21.48	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.38	21.38	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.44	22.44	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.52	22.52	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.47	22.47	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.55	21.55	33	PASS
Band2	20MHz	QPSK	19100	50RB#24	21.39	21.39	33	PASS

Band2	20MHz	QPSK	19100	50RB#49	21.52	21.52	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.56	21.56	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.24	21.24	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.34	21.34	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.34	21.34	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.64	20.64	33	PASS
Band2	20MHz	16QAM	18700	50RB#24	20.64	20.64	33	PASS
Band2	20MHz	16QAM	18700	50RB#49	20.65	20.65	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.69	20.69	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.79	21.79	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.73	21.73	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.73	21.73	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.49	20.49	33	PASS
Band2	20MHz	16QAM	18900	50RB#24	20.52	20.52	33	PASS
Band2	20MHz	16QAM	18900	50RB#49	20.52	20.52	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.43	20.43	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.25	21.25	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.35	21.35	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.35	21.35	33	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.65	20.65	33	PASS
Band2	20MHz	16QAM	19100	50RB#24	20.56	20.56	33	PASS
Band2	20MHz	16QAM	19100	50RB#49	20.59	20.59	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.54	20.54	33	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	22.69	22.69	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.70	22.7	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.64	22.64	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.79	22.79	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.78	22.78	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	22.79	22.79	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.76	21.76	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.94	22.94	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.91	22.91	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.91	22.91	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.89	22.89	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.98	22.98	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	22.94	22.94	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.92	21.92	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.79	22.79	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.83	22.83	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.79	22.79	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.81	22.81	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.81	22.81	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	22.81	22.81	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.78	21.78	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.94	21.94	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.87	21.87	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.91	21.91	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.47	21.47	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.46	21.46	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	21.46	21.46	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.85	20.85	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.24	22.24	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.37	22.37	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.24	22.24	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.47	21.47	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.48	21.48	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	21.51	21.51	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.04	21.04	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.99	21.99	30	PASS

Band4	1.4MHz	16QAM	20393	1RB#2	22.06	22.06	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.02	22.02	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.51	21.51	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.50	21.5	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#2	21.50	21.5	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.98	20.98	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.51	22.51	30	PASS
Band4	3MHz	QPSK	19965	1RB#7	22.55	22.55	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.57	22.57	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.74	21.74	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.72	21.72	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.69	21.69	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.71	21.71	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.73	22.73	30	PASS
Band4	3MHz	QPSK	20175	1RB#7	22.63	22.63	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.67	22.67	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.81	21.81	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.69	21.69	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.83	21.83	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.68	21.68	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.93	22.93	30	PASS
Band4	3MHz	QPSK	20385	1RB#7	22.90	22.9	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.96	22.96	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.81	21.81	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.84	21.84	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.89	21.89	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.78	21.78	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.46	21.46	30	PASS
Band4	3MHz	16QAM	19965	1RB#7	21.47	21.47	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.72	21.72	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.90	20.9	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.98	20.98	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.94	20.94	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.78	20.78	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.60	21.6	30	PASS
Band4	3MHz	16QAM	20175	1RB#7	21.59	21.59	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.55	21.55	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.92	20.92	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.92	20.92	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.90	20.9	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.88	20.88	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.03	22.03	30	PASS
Band4	3MHz	16QAM	20385	1RB#7	22.05	22.05	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.01	22.01	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.08	21.08	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.07	21.07	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.07	21.07	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.87	20.87	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.65	22.65	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.61	22.61	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.64	22.64	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.72	21.72	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.72	21.72	30	PASS
Band4	5MHz	QPSK	19975	12RB#11	21.72	21.72	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.70	21.7	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.64	22.64	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.71	22.71	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.72	22.72	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.88	21.88	30	PASS

Band4	5MHz	QPSK	20175	12RB#6	21.90	21.9	30	PASS
Band4	5MHz	QPSK	20175	12RB#11	21.79	21.79	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.79	21.79	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.10	23.1	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.11	23.11	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.07	23.07	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.97	21.97	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.99	21.99	30	PASS
Band4	5MHz	QPSK	20375	12RB#11	21.98	21.98	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.96	21.96	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.07	21.07	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.12	21.12	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.11	21.11	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.82	20.82	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.82	20.82	30	PASS
Band4	5MHz	16QAM	19975	12RB#11	20.81	20.81	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.94	20.94	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.90	21.9	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.92	21.92	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.96	21.96	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.94	20.94	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.95	20.95	30	PASS
Band4	5MHz	16QAM	20175	12RB#11	20.95	20.95	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.90	20.9	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.54	21.54	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.58	21.58	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.66	21.66	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.92	20.92	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.95	20.95	30	PASS
Band4	5MHz	16QAM	20375	12RB#11	20.92	20.92	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.95	20.95	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.55	22.55	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.57	22.57	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.66	22.66	30	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.70	21.7	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.79	21.79	30	PASS
Band4	10MHz	QPSK	20000	25RB#24	21.79	21.79	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.74	21.74	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.65	22.65	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.66	22.66	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.77	22.77	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.76	21.76	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.78	21.78	30	PASS
Band4	10MHz	QPSK	20175	25RB#24	21.78	21.78	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.85	21.85	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.93	22.93	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.87	22.87	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.90	22.9	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.96	21.96	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.99	21.99	30	PASS
Band4	10MHz	QPSK	20350	25RB#24	21.93	21.93	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.83	21.83	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.74	21.74	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.79	21.79	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.74	21.74	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.69	20.69	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.69	20.69	30	PASS
Band4	10MHz	16QAM	20000	25RB#24	20.70	20.7	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.82	20.82	30	PASS

Band4	10MHz	16QAM	20175	1RB#0	21.69	21.69	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.73	21.73	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.77	21.77	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.91	20.91	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.92	20.92	30	PASS
Band4	10MHz	16QAM	20175	25RB#24	20.92	20.92	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.88	20.88	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.61	22.61	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.58	22.58	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.63	22.63	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.98	20.98	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.00	21	30	PASS
Band4	10MHz	16QAM	20350	25RB#24	21.00	21	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.00	21	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.60	22.6	30	PASS
Band4	15MHz	QPSK	20025	1RB#37	22.59	22.59	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.67	22.67	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.85	21.85	30	PASS
Band4	15MHz	QPSK	20025	36RB#16	21.73	21.73	30	PASS
Band4	15MHz	QPSK	20025	36RB#35	21.67	21.67	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.71	21.71	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.57	22.57	30	PASS
Band4	15MHz	QPSK	20175	1RB#37	22.60	22.6	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.62	22.62	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.82	21.82	30	PASS
Band4	15MHz	QPSK	20175	36RB#16	21.83	21.83	30	PASS
Band4	15MHz	QPSK	20175	36RB#35	21.73	21.73	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.82	21.82	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.79	22.79	30	PASS
Band4	15MHz	QPSK	20325	1RB#37	22.87	22.87	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.81	22.81	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.93	21.93	30	PASS
Band4	15MHz	QPSK	20325	36RB#16	21.97	21.97	30	PASS
Band4	15MHz	QPSK	20325	36RB#35	21.90	21.9	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.03	22.03	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.75	21.75	30	PASS
Band4	15MHz	16QAM	20025	1RB#37	21.75	21.75	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.81	21.81	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.70	20.7	30	PASS
Band4	15MHz	16QAM	20025	36RB#16	20.70	20.7	30	PASS
Band4	15MHz	16QAM	20025	36RB#35	20.70	20.7	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.74	20.74	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.89	21.89	30	PASS
Band4	15MHz	16QAM	20175	1RB#37	21.89	21.89	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.00	22	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.90	20.9	30	PASS
Band4	15MHz	16QAM	20175	36RB#16	20.92	20.92	30	PASS
Band4	15MHz	16QAM	20175	36RB#35	20.92	20.92	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.88	20.88	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.55	22.55	30	PASS
Band4	15MHz	16QAM	20325	1RB#37	22.66	22.66	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.59	22.59	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.84	20.84	30	PASS
Band4	15MHz	16QAM	20325	36RB#16	20.85	20.85	30	PASS
Band4	15MHz	16QAM	20325	36RB#35	20.86	20.86	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.00	21	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.84	22.84	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.84	22.84	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.92	22.92	30	PASS

Band4	20MHz	QPSK	20050	50RB#0	21.68	21.68	30	PASS
Band4	20MHz	QPSK	20050	50RB#24	21.66	21.66	30	PASS
Band4	20MHz	QPSK	20050	50RB#49	21.69	21.69	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.70	21.7	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.87	22.87	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.84	22.84	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.94	22.94	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.83	21.83	30	PASS
Band4	20MHz	QPSK	20175	50RB#24	21.79	21.79	30	PASS
Band4	20MHz	QPSK	20175	50RB#49	21.65	21.65	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.78	21.78	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.81	22.81	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.95	22.95	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.95	22.95	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.85	21.85	30	PASS
Band4	20MHz	QPSK	20300	50RB#24	21.78	21.78	30	PASS
Band4	20MHz	QPSK	20300	50RB#49	21.79	21.79	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.91	21.91	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.73	21.73	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.80	21.8	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.98	21.98	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.88	20.88	30	PASS
Band4	20MHz	16QAM	20050	50RB#24	20.85	20.85	30	PASS
Band4	20MHz	16QAM	20050	50RB#49	20.96	20.96	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.85	20.85	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.98	21.98	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.98	21.98	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.19	22.19	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.79	20.79	30	PASS
Band4	20MHz	16QAM	20175	50RB#24	20.80	20.8	30	PASS
Band4	20MHz	16QAM	20175	50RB#49	20.90	20.9	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.01	21.01	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.42	21.42	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.47	21.47	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.43	21.43	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.84	20.84	30	PASS
Band4	20MHz	16QAM	20300	50RB#24	20.78	20.78	30	PASS
Band4	20MHz	16QAM	20300	50RB#49	20.74	20.74	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.78	20.78	30	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	22.98	20.83	38.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.92	20.77	38.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.04	20.89	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.96	20.81	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.98	20.83	38.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#2	23.05	20.9	38.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.89	19.74	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.04	20.89	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.01	20.86	38.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.02	20.87	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.95	20.8	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.02	20.87	38.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#2	22.98	20.83	38.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.90	19.75	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.79	20.64	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.90	20.75	38.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.99	20.84	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.85	20.7	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.86	20.71	38.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#2	22.86	20.71	38.5	PASS

Band5	1.4MHz	QPSK	20643	6RB#0	22.02	19.87	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.00	19.85	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.93	19.78	38.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.00	19.85	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.93	19.78	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.00	19.85	38.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#2	22.00	19.85	38.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.06	18.91	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.32	20.17	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.31	20.16	38.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.32	20.17	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.65	19.5	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.59	19.44	38.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#2	21.63	19.48	38.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.00	18.85	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.99	19.84	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.11	19.96	38.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.14	19.99	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.52	19.37	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.53	19.38	38.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#2	21.58	19.43	38.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.28	19.13	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.93	20.78	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#7	22.94	20.79	38.5	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.94	20.79	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.99	19.84	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.02	19.87	38.5	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.11	19.96	38.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.01	19.86	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.06	20.91	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#7	23.10	20.95	38.5	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.07	20.92	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.05	19.9	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.87	19.72	38.5	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.94	19.79	38.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.00	19.85	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.84	20.69	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#7	22.88	20.73	38.5	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.00	20.85	38.5	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.94	19.79	38.5	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.89	19.74	38.5	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.02	19.87	38.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.89	19.74	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.66	19.51	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#7	21.68	19.53	38.5	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.69	19.54	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.15	19	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.09	18.94	38.5	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.19	19.04	38.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.97	18.82	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.60	19.45	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#7	21.67	19.52	38.5	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.69	19.54	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.16	19.01	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.17	19.02	38.5	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.99	18.84	38.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.81	18.66	38.5	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.09	19.94	38.5	PASS
Band5	3MHz	16QAM	20635	1RB#7	22.04	19.89	38.5	PASS

Band5	3MHz	16QAM	20635	1RB#14	22.27	20.12	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.05	18.9	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.04	18.89	38.5	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.18	19.03	38.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.99	18.84	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.93	20.78	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.93	20.78	38.5	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.02	20.87	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.12	19.97	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.99	19.84	38.5	PASS
Band5	5MHz	QPSK	20425	12RB#11	22.13	19.98	38.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.05	19.9	38.5	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.88	20.73	38.5	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.92	20.77	38.5	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.95	20.8	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.03	19.88	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.03	19.88	38.5	PASS
Band5	5MHz	QPSK	20525	12RB#11	22.03	19.88	38.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.96	19.81	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.03	20.88	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.07	20.92	38.5	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.19	21.04	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.07	19.92	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.95	19.8	38.5	PASS
Band5	5MHz	QPSK	20625	12RB#11	21.96	19.81	38.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.91	19.76	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.52	19.37	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.41	19.26	38.5	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.29	19.14	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.03	18.88	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.04	18.89	38.5	PASS
Band5	5MHz	16QAM	20425	12RB#11	21.04	18.89	38.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.11	18.96	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.13	19.98	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.18	20.03	38.5	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.16	20.01	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.26	19.11	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.24	19.09	38.5	PASS
Band5	5MHz	16QAM	20525	12RB#11	21.26	19.11	38.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.03	18.88	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.72	19.57	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.61	19.46	38.5	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.80	19.65	38.5	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.93	18.78	38.5	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.94	18.79	38.5	PASS
Band5	5MHz	16QAM	20625	12RB#11	20.94	18.79	38.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.04	18.89	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.04	20.89	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.01	20.86	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.02	20.87	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.05	19.9	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.09	19.94	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#24	22.09	19.94	38.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.12	19.97	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.76	20.61	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.97	20.82	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.96	20.81	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.00	19.85	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.99	19.84	38.5	PASS

Band5	10MHz	QPSK	20525	25RB#24	21.99	19.84	38.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.94	19.79	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.06	20.91	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.07	20.92	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.12	20.97	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.09	19.94	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.93	19.78	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#24	22.02	19.87	38.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.18	20.03	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.03	19.88	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.89	19.74	38.5	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.02	19.87	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.09	18.94	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.05	18.9	38.5	PASS
Band5	10MHz	16QAM	20450	25RB#24	21.02	18.87	38.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.06	18.91	38.5	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.83	19.68	38.5	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.99	19.84	38.5	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.84	19.69	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.22	19.07	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.22	19.07	38.5	PASS
Band5	10MHz	16QAM	20525	25RB#24	21.23	19.08	38.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.05	18.9	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.45	20.3	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.58	20.43	38.5	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.60	20.45	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.15	19	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.16	19.01	38.5	PASS
Band5	10MHz	16QAM	20600	25RB#24	21.17	19.02	38.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.08	18.93	38.5	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	23.01	20.86	34.8	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.00	20.85	34.8	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.99	20.84	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.91	20.76	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.99	20.84	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#2	22.90	20.75	34.8	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.76	19.61	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.82	20.67	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.96	20.81	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.85	20.7	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.82	20.67	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.86	20.71	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#2	22.82	20.67	34.8	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.86	19.71	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.63	20.48	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.65	20.5	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.70	20.55	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.67	20.52	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.67	20.52	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#2	22.63	20.48	34.8	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.51	19.36	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.63	19.48	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.60	19.45	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.66	19.51	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.40	19.25	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.41	19.26	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#2	21.35	19.2	34.8	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.81	18.66	34.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.29	20.14	34.8	PASS

Band12	1.4MHz	16QAM	23095	1RB#2	22.26	20.11	34.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.25	20.1	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.45	19.3	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.44	19.29	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#2	21.46	19.31	34.8	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.21	19.06	34.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.89	19.74	34.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.72	19.57	34.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.78	19.63	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.34	19.19	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.37	19.22	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#2	21.30	19.15	34.8	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.00	18.85	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.73	20.58	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#7	22.76	20.61	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.90	20.75	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.73	19.58	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.88	19.73	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.87	19.72	34.8	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.72	19.57	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.96	20.81	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#7	23.03	20.88	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.90	20.75	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.77	19.62	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.67	19.52	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.58	19.43	34.8	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.76	19.61	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.77	20.62	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#7	22.82	20.67	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.81	20.66	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.54	19.39	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.53	19.38	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.62	19.47	34.8	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.60	19.45	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.46	19.31	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#7	21.39	19.24	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.43	19.28	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.56	18.41	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.73	18.58	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.72	18.57	34.8	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.74	18.59	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.74	19.59	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#7	21.61	19.46	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.49	19.34	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.87	18.72	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.69	18.54	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.25	19.1	34.8	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.06	18.91	34.8	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.06	19.91	34.8	PASS
Band12	3MHz	16QAM	23165	1RB#7	22.10	19.95	34.8	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.18	20.03	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.22	19.07	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.23	19.08	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.83	18.68	34.8	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.11	18.96	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.83	20.68	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.90	20.75	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.90	20.75	34.8	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.86	19.71	34.8	PASS

Band12	5MHz	QPSK	23035	12RB#6	22.00	19.85	34.8	PASS
Band12	5MHz	QPSK	23035	12RB#11	22.01	19.86	34.8	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.86	19.71	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.35	20.2	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.52	20.37	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.68	20.53	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.01	19.86	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.71	19.56	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#11	21.77	19.62	34.8	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.62	19.47	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.89	20.74	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.01	20.86	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.01	20.86	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.00	19.85	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.94	19.79	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#11	21.88	19.73	34.8	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.69	19.54	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.18	19.03	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.27	19.12	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.23	19.08	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.85	18.7	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.86	18.71	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#11	20.85	18.7	34.8	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.92	18.77	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.00	19.85	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.66	19.51	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.66	19.51	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.50	18.35	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.56	18.41	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#11	20.59	18.44	34.8	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.10	18.95	34.8	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.55	19.4	34.8	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.36	19.21	34.8	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.47	19.32	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.78	18.63	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.78	18.63	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#11	20.79	18.64	34.8	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.08	18.93	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.59	20.44	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.64	20.49	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.56	20.41	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.79	19.64	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.80	19.65	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#24	21.70	19.55	34.8	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.84	19.69	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.83	20.68	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.75	20.6	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.79	20.64	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.90	19.75	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.77	19.62	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#24	21.92	19.77	34.8	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.78	19.63	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.74	20.59	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.48	20.33	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.85	20.7	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.70	19.55	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.58	19.43	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#24	21.76	19.61	34.8	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.59	19.44	34.8	PASS

Band12	10MHz	16QAM	23060	1RB#0	21.40	19.25	34.8	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.42	19.27	34.8	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.42	19.27	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.72	18.57	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.59	18.44	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#24	20.44	18.29	34.8	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.89	18.74	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.62	19.47	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.45	19.3	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.56	19.41	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.66	18.51	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.87	18.72	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#24	20.87	18.72	34.8	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.25	19.1	34.8	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.33	20.18	34.8	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.21	20.06	34.8	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.20	20.05	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.13	18.98	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.14	18.99	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#24	21.15	19	34.8	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.08	18.93	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#0	22.82	20.67	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.98	20.83	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.02	20.87	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.02	19.87	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.95	19.8	34.8	PASS
Band13	5MHz	QPSK	23205	12RB#11	21.98	19.83	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.07	19.92	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.01	20.86	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.94	20.79	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.90	20.75	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.08	19.93	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.10	19.95	34.8	PASS
Band13	5MHz	QPSK	23230	12RB#11	22.11	19.96	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.04	19.89	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.05	20.9	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.91	20.76	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.95	20.8	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.12	19.97	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.00	19.85	34.8	PASS
Band13	5MHz	QPSK	23255	12RB#11	21.84	19.69	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.84	19.69	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.25	19.1	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.41	19.26	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.31	19.16	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.27	19.12	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.25	19.1	34.8	PASS
Band13	5MHz	16QAM	23205	12RB#11	21.24	19.09	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.03	18.88	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	21.34	19.19	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	21.42	19.27	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.21	19.06	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.03	18.88	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.03	18.88	34.8	PASS
Band13	5MHz	16QAM	23230	12RB#11	21.03	18.88	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.14	18.99	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.15	20	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.17	20.02	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.12	19.97	34.8	PASS

Band13	5MHz	16QAM	23255	12RB#0	21.12	18.97	34.8	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.18	19.03	34.8	PASS
Band13	5MHz	16QAM	23255	12RB#11	21.10	18.95	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.13	18.98	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.96	20.81	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.00	20.85	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.88	20.73	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.02	19.87	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.04	19.89	34.8	PASS
Band13	10MHz	QPSK	23230	25RB#24	22.04	19.89	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.09	19.94	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.67	19.52	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.86	19.71	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.83	19.68	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.00	18.85	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.01	18.86	34.8	PASS
Band13	10MHz	16QAM	23230	25RB#24	21.01	18.86	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.05	18.9	34.8	PASS
Band17	5MHz	QPSK	23755	1RB#0	22.80	20.65	34.8	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.77	20.62	34.8	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.82	20.67	34.8	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.88	19.73	34.8	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.83	19.68	34.8	PASS
Band17	5MHz	QPSK	23755	12RB#11	21.66	19.51	34.8	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.87	19.72	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.58	20.43	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.38	20.23	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.53	20.38	34.8	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.62	19.47	34.8	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.60	19.45	34.8	PASS
Band17	5MHz	QPSK	23790	12RB#11	21.55	19.4	34.8	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.58	19.43	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.95	20.8	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.97	20.82	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.10	20.95	34.8	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.93	19.78	34.8	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.86	19.71	34.8	PASS
Band17	5MHz	QPSK	23825	12RB#11	21.99	19.84	34.8	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.80	19.65	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.10	18.95	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.22	19.07	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.19	19.04	34.8	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.52	18.37	34.8	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.74	18.59	34.8	PASS
Band17	5MHz	16QAM	23755	12RB#11	20.53	18.38	34.8	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.64	18.49	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.70	19.55	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.76	19.61	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.71	19.56	34.8	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.12	18.97	34.8	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.11	18.96	34.8	PASS
Band17	5MHz	16QAM	23790	12RB#11	21.19	19.04	34.8	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.09	18.94	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.65	19.5	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.39	19.24	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.45	19.3	34.8	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.74	18.59	34.8	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.75	18.6	34.8	PASS
Band17	5MHz	16QAM	23825	12RB#11	20.76	18.61	34.8	PASS

Band17	5MHz	16QAM	23825	25RB#0	21.06	18.91	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.73	20.58	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.69	20.54	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.65	20.5	34.8	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.88	19.73	34.8	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.81	19.66	34.8	PASS
Band17	10MHz	QPSK	23780	25RB#24	21.89	19.74	34.8	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.77	19.62	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.62	20.47	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.62	20.47	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.73	20.58	34.8	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.58	19.43	34.8	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.74	19.59	34.8	PASS
Band17	10MHz	QPSK	23790	25RB#24	21.67	19.52	34.8	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.69	19.54	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.52	20.37	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.60	20.45	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.83	20.68	34.8	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.52	19.37	34.8	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.50	19.35	34.8	PASS
Band17	10MHz	QPSK	23800	25RB#24	21.62	19.47	34.8	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.62	19.47	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.26	19.11	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.17	19.02	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.16	19.01	34.8	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.27	18.12	34.8	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.74	18.59	34.8	PASS
Band17	10MHz	16QAM	23780	25RB#24	20.43	18.28	34.8	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.17	19.02	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.50	19.35	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.44	19.29	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.32	19.17	34.8	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.34	19.19	34.8	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.37	19.22	34.8	PASS
Band17	10MHz	16QAM	23790	25RB#24	21.30	19.15	34.8	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.14	18.99	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.99	19.84	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.16	20.01	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.86	19.71	34.8	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.18	19.03	34.8	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.21	19.06	34.8	PASS
Band17	10MHz	16QAM	23800	25RB#24	21.12	18.97	34.8	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.13	18.98	34.8	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For band 2, 4, 7, 38, 41, 66).

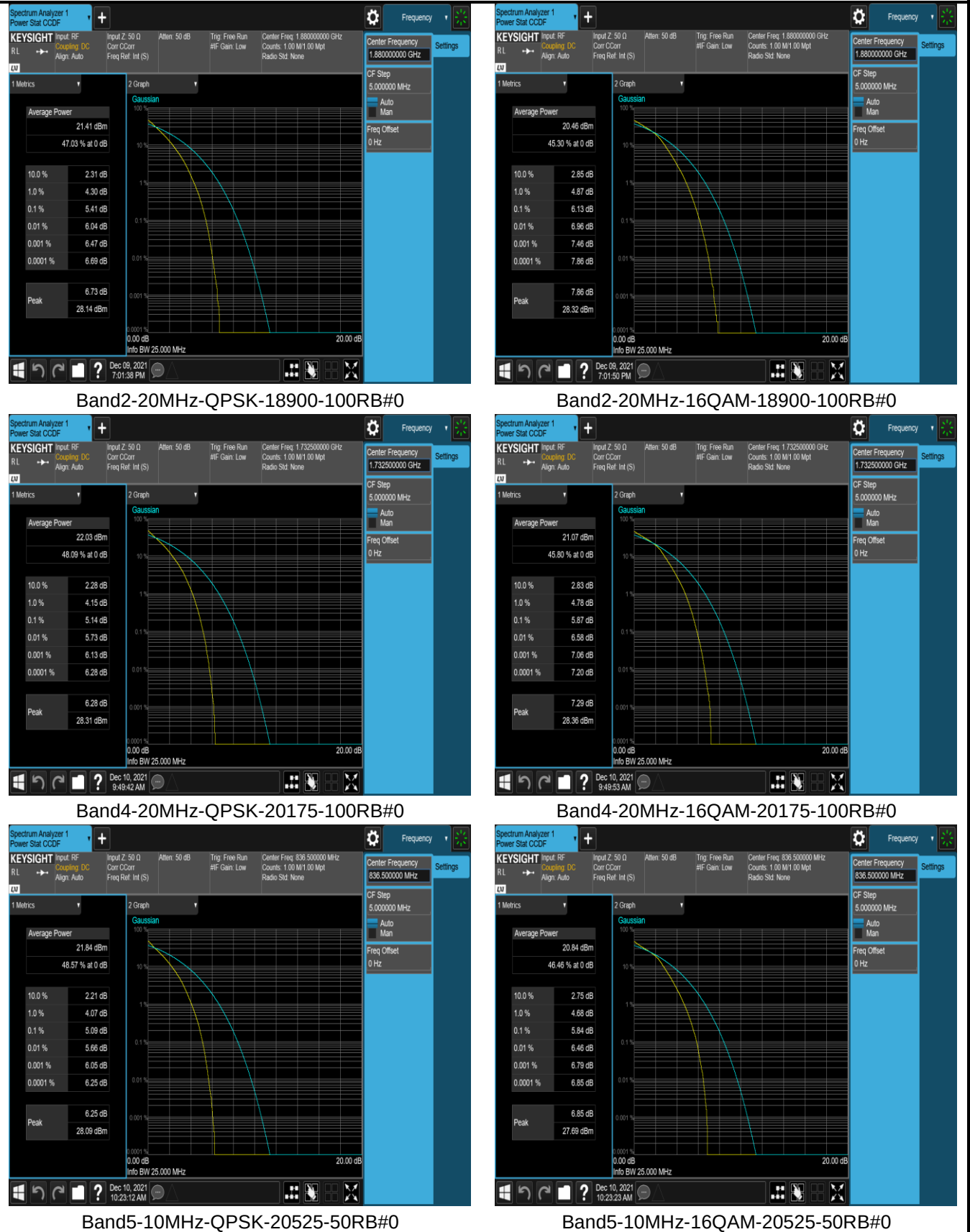
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For band 5, 12, 17, 71).

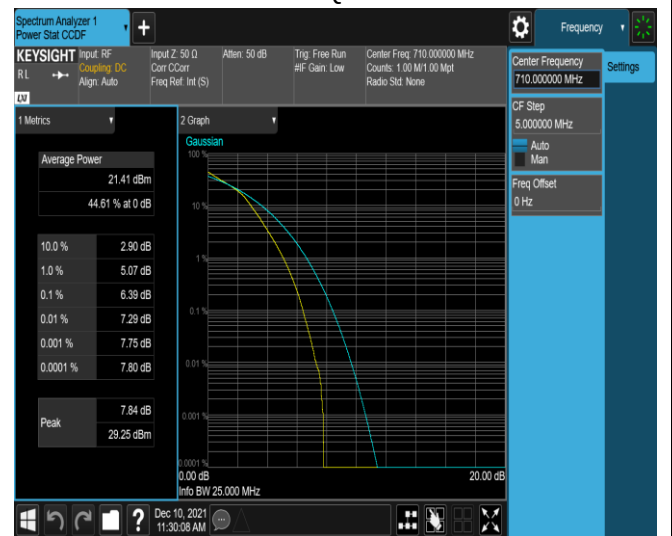
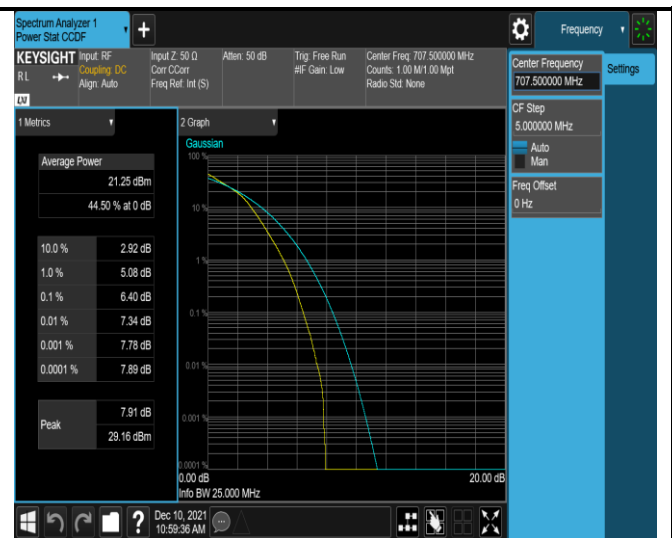
Appendix B: Peak-to-Average Ratio (CCDF)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	5.41	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.13	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.14	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.87	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.09	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.84	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.76	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.40	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.51	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.23	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.80	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.39	13	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs:





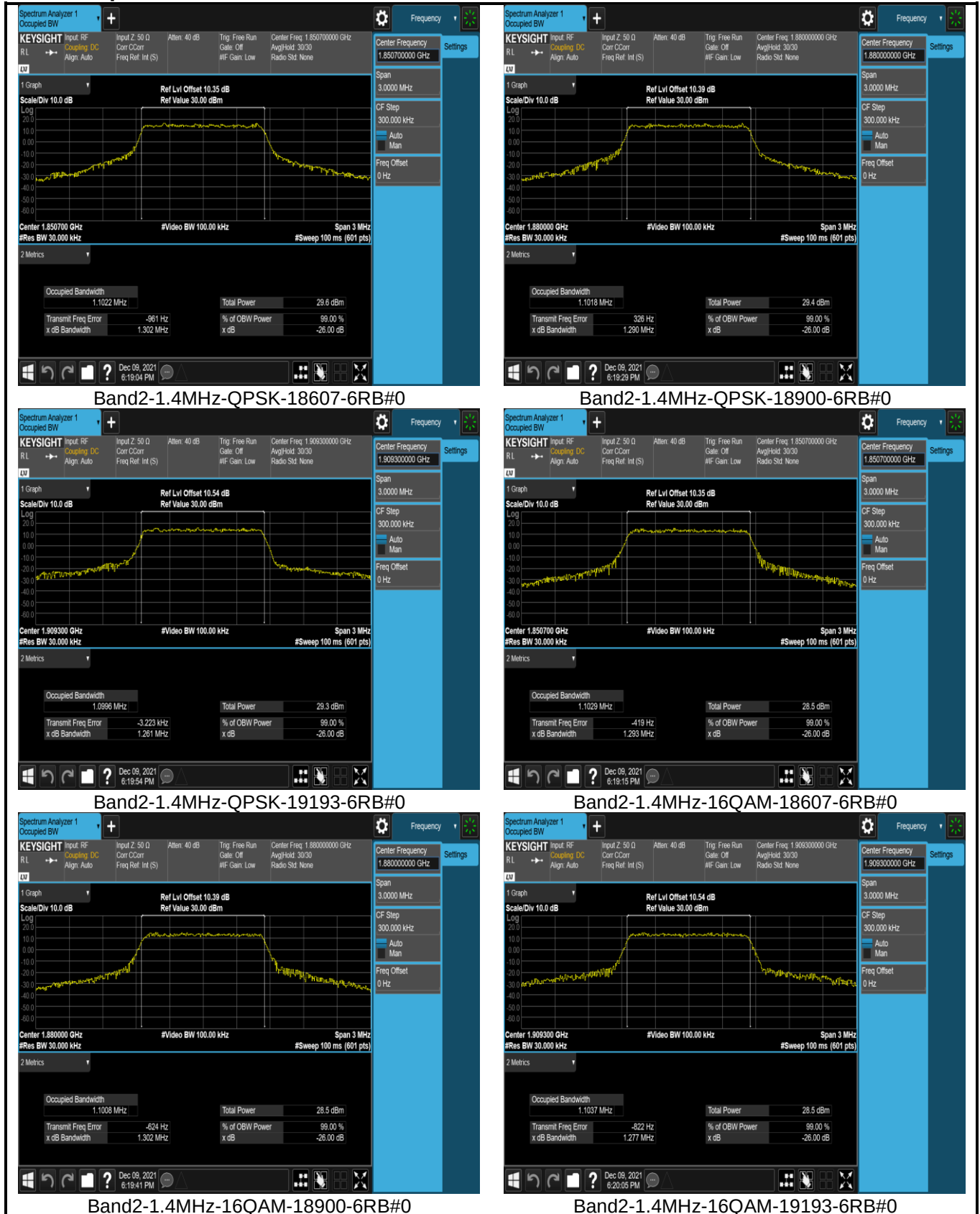
Appendix C: 26dB Bandwidth and Occupied Bandwidth

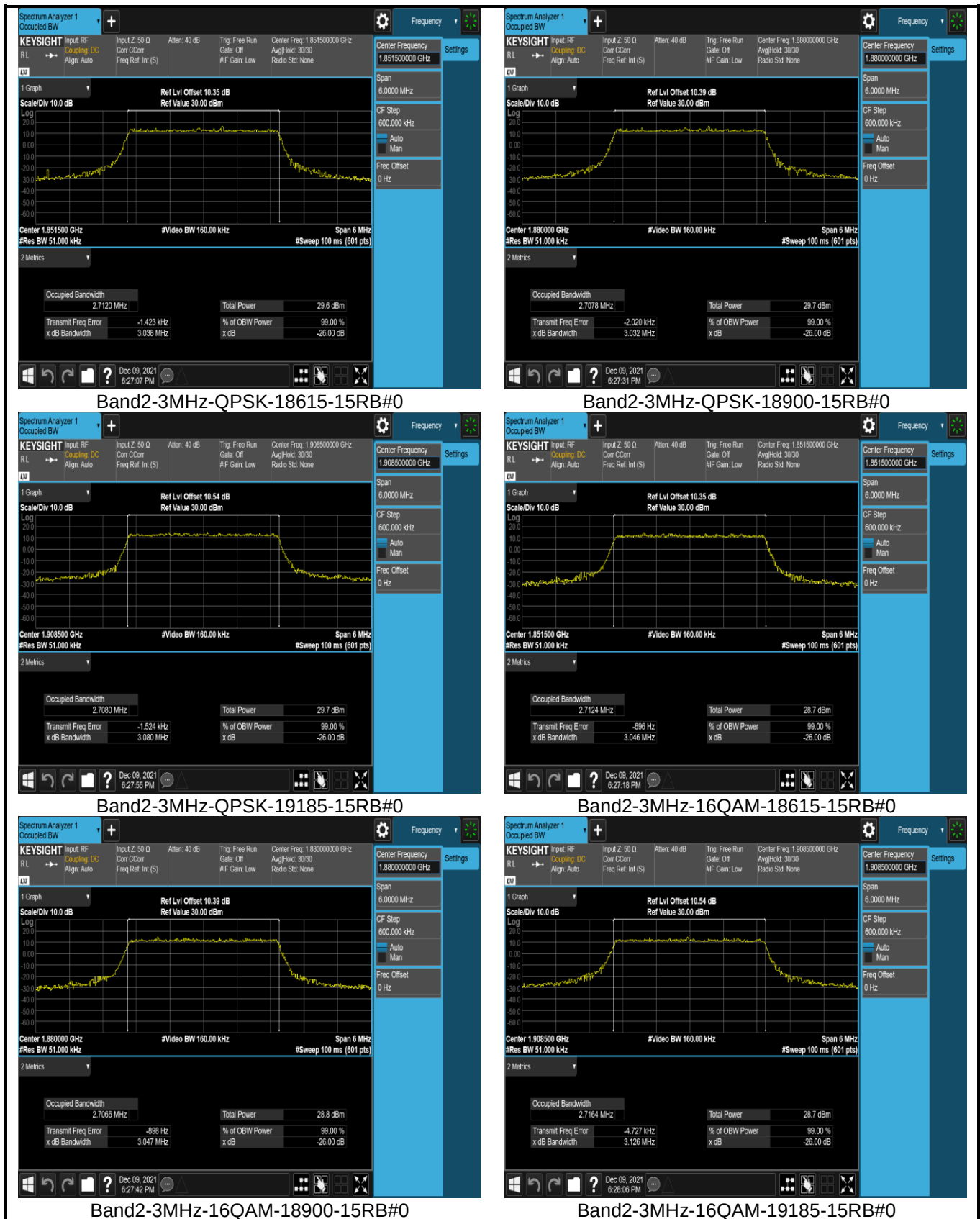
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.1022	1.302	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1018	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0996	1.261	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1029	1.293	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1008	1.302	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1037	1.277	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7120	3.038	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7078	3.032	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7080	3.080	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7124	3.046	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7066	3.047	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7164	3.126	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5292	5.353	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5358	5.349	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5157	5.440	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5299	5.292	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5216	5.303	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5473	5.428	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0092	10.04	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.0123	10.04	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0187	10.24	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9995	10.21	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.0011	10.08	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.0144	10.68	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.539	15.48	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.537	15.47	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.526	15.40	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.517	15.17	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.520	15.03	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.509	14.98	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.016	19.92	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.050	19.97	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.052	20.16	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.054	20.13	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.060	20.15	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.023	20.24	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.1017	1.307	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1034	1.310	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1007	1.274	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1011	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1013	1.279	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1044	1.271	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7126	3.036	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7157	3.033	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7089	3.079	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7057	3.047	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7214	3.042	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7143	3.143	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5391	5.339	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5369	5.351	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5164	5.432	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5290	5.280	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5250	5.286	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5478	5.412	PASS

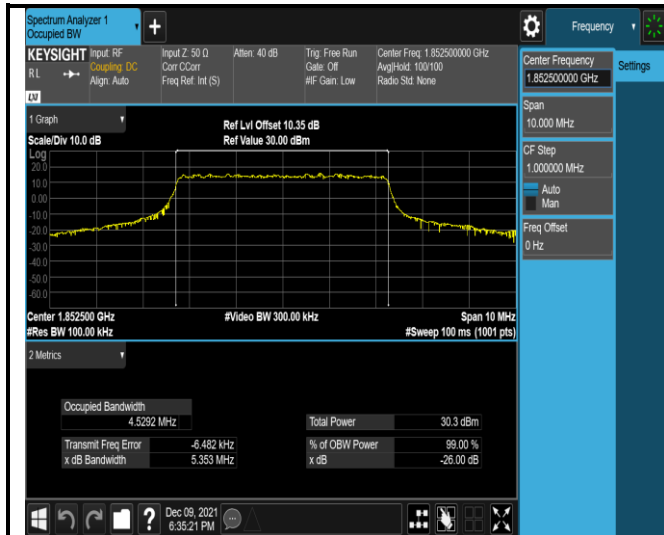
Band4	10MHz	QPSK	20000	50RB#0	9.0113	10.23	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0067	10.23	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0280	10.27	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0176	9.983	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0030	10.08	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0092	10.47	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.560	15.24	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.508	15.50	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.546	15.83	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.532	15.14	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.492	14.96	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.535	14.98	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.028	20.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.972	19.77	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.074	20.29	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.057	20.17	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.002	20.17	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.050	20.48	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.1018	1.299	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1017	1.318	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0934	1.272	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1002	1.293	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1004	1.290	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1059	1.258	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7071	3.029	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7088	3.039	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7070	3.061	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7055	3.050	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7105	3.045	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7106	3.146	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5386	5.346	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5391	5.347	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5110	5.382	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5245	5.303	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5188	5.285	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5432	5.407	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9923	10.14	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9939	10.04	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0189	10.11	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9956	10.13	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9913	9.938	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0048	10.45	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0983	1.295	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0941	1.281	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0991	1.289	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1001	1.281	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1047	1.267	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0935	1.292	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7101	3.047	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7052	3.026	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7074	3.042	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7135	3.029	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7118	3.079	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7080	3.148	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5369	5.350	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5155	5.440	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5232	5.301	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5264	5.202	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5500	5.416	PASS

Band12	5MHz	16QAM	23155	25RB#0	4.5512	5.438	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0048	10.12	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0047	10.18	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9780	10.06	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0060	10.16	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0084	10.42	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0118	10.18	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.5279	5.277	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5365	5.267	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5179	5.434	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5161	5.251	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5175	5.248	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5508	5.479	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9829	10.05	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9963	9.917	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.5370	5.323	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5134	5.451	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5220	5.319	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5314	5.222	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5483	5.414	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5529	5.421	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0000	10.15	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0111	10.04	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9804	10.10	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9924	10.12	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9993	10.14	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0195	10.17	PASS

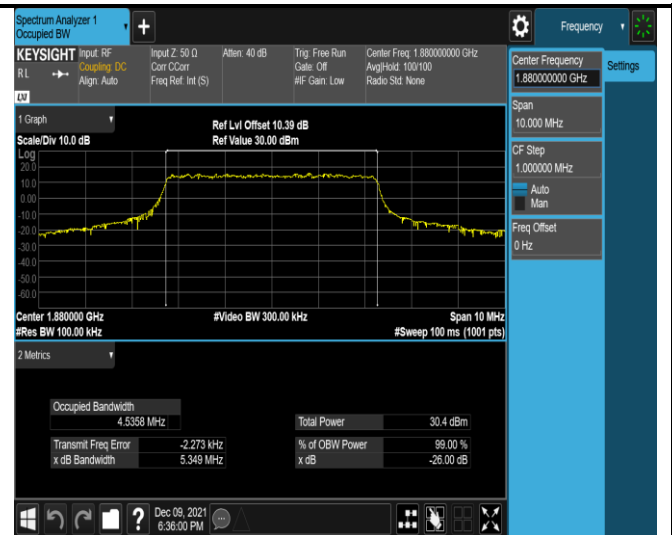
Test Graphs:







Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-18900-25RB#0



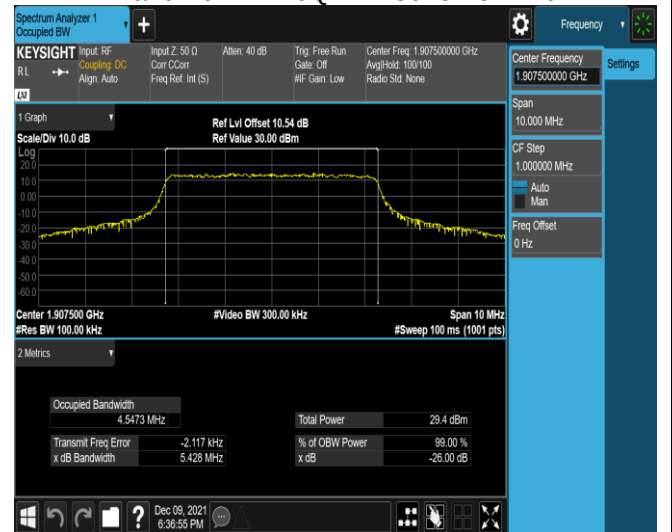
Band2-5MHz-QPSK-19075-25RB#0



Band2-5MHz-QPSK-18525-25RB#0



Band2-5MHz-16QAM-18800-25RB#0



Band2-5MHz-16QAM-19075-25RB#0

