

FCC RF TEST REPORT

For

TIMEX FamilyConnect SENIOR

Model Number: MT43AY

FCC ID: 2ACCJB128

Report Number : WT218001357

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Inspection
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Test report declaration

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Manufacturer : TCL Communication Ltd.
Address : 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong
Science Park, Shatin, NT, Hong Kong
EUT Description : TIMEX FamilyConnect SENIOR
Model No. : MT43AY
Trade mark : TIMEX
FCC ID : 2ACCJB128

Test Standards:

FCC PART 2, 22H , 24E , 27 & 90S (2019)

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 2, 22H, 24E, 27 & 90S.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer: 
Date: Jun.15, 2021

(Zeng Wei 曾伟)

Checked by: 
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1. TEST RESULTS SUMMARY

FCC Measurement Specification	Limits Part(s)	Description	Result
2.1046	22.913 24.232 27.50(b) 27.50(c) 27.50(d) 27.50(h) 90.205 90.635	Conducted Power & Effective Radiated Power	PASS
2.1046	22.913 24.232 27.50(b) 27.50(c) 27.50(d) 27.50(h)	Peak to Average Ratio	PASS
2.1049	22.917(b) 24.238(b) 27.53 90.209	Occupied Bandwidth & Emission Bandwidth	PASS
2.1051	22.917 24.238 27.53 90.691	Conducted Spurious Emissions	PASS
2.1051	22.917 24.238 27.53 90.691	Conducted Band Edge	PASS
2.1055	22.355 24.235 27.54 90.213	Frequency Stability	PASS
2.1053	22.917 24.238 27.53 90.691	Radiated Spurious Emissions	PASS

Remark: "N/A" means "Not applicable."

The tests documented in this report were performed in accordance with ANSI C63.26 (2015), FCC PART 22H, 24E, 27 & 90S.

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The samples mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting from false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacture.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078, and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

3. PRODUCT DESCRIPTION

3.1. EUT Description

Specification of the Equipment under Test

Hardware Revision :	E
Software Revision :	MT43A S_03
Frequency:	WCDMA 850: TX 824MHz~849MHz RX 869MHz~894MHz WCDMA 1700: TX 1710MHz~1755MHz RX 2110MHz~2155MHz WCDMA 1900: TX 1850MHz~1910MHz RX 1930MHz~1990MHz 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 699 ~ 716MHz RX 729 ~ 746MHz LTE Band 13: TX 777~ 787MHz RX 746~ 756MHz LTE Band 25: TX 1850MHz~1915MHz RX 1930MHz~1995MHz LTE Band 26: TX 814 ~ 849 MHz RX 859 ~ 894MHz LTE Band 41: TX 2555MHz~2655MHz RX 2555MHz~2655MHz LTE Band 66: TX 1710MHz~1780MHz RX 2110MHz~2200MHz LTE Band 71: TX:663MHz~698MHz RX 617MHz~652MHz
Type(s) of Modulation:	WCDMA: QPSK LTE: QPSK, 16QAM
Remark:	--

Antenna Type:	PIFA antenna	
Antenna Gain:	WCDMA 850:	-8 dBi
	WCDMA 1700:	-7 dBi
	WCDMA 1900:	-7 dBi
	LTE Band 2:	-7 dBi
	LTE Band 4:	-7 dBi
	LTE Band 5:	-8 dBi
	LTE Band 12:	-12 dBi
	LTE Band 13:	-9 dBi
	LTE Band 25:	-7 dBi
	LTE Band 26:	-8 dBi
	LTE Band 41:	-7 dBi
	LTE Band 66:	-7 dBi
	LTE Band 71:	-13 dBi
Power Supply Voltage	DC: 3.6V (Low)/3.8V (Nominal)/ 4.2V (Max)	

NOTE: The extreme test conditions for temperature and antenna gain were declared by the manufacturer.

3.2. Identification of Accessory equipment

AE #	Type	Manufacturer	Model	Serial Number
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3.3. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2ACCJB128 filing to comply with FCC PART 2, 22H, 24E, 27 and 90S.

3.4. Operating Condition of EUT

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

Radiated spurious emissions were investigated below 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found on below 30MHz and 30MHz-1GHz.

- TM1:** WCDMA Mode with QPSK Modulation
- TM2:** LTE Mode with QPSK Modulation
- TM3:** LTE Mode with 16QAM Modulation

3.5. Maximum Conducted Power

WCDMA:

Band: WCDMA Band V	Average Power [dBm]		
Channel	4,132	4,182	4,233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	22.58	22.39	22.39

Band: WCDMA Band IV	Average Power [dBm]		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2K	23.30	23.08	23.01

Band: WCDMA Band II	Average Power [dBm]		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2K	22.60	22.65	22.84

LTE:

Band	Bandwidth	Modulation	Channel	RB Config.	Power (dBm)
Band2	1.4MHz	QPSK	18607	3RB#0	21.96
Band2	20MHz	16QAM	18900	1RB#99	21.63
Band4	20MHz	QPSK	20050	1RB#49	22.70
Band4	3MHz	16QAM	20175	1RB#14	21.76
Band5	10MHz	QPSK	20600	1RB#24	22.41
Band5	10MHz	16QAM	20525	1RB#49	21.67
Band12	10MHz	QPSK	23130	1RB#0	21.94
Band12	3MHz	16QAM	23165	1RB#0	21.35
Band13	5MHz	QPSK	23205	1RB#24	22.11
Band13	5MHz	16QAM	23230	1RB#24	21.43
Band25	20MHz	QPSK	26590	1RB#49	22.10
Band25	10MHz	16QAM	26640	1RB#49	21.41
Band26	3MHz	QPSK	26775	1RB#14	22.11
Band26	3MHz	16QAM	26775	1RB#14	21.54
Band41	15MHz	QPSK	40620	1RB#38	22.00
Band41	20MHz	16QAM	40620	1RB#49	21.66
Band66	10MHz	QPSK	132022	1RB#24	22.56
Band66	10MHz	16QAM	132322	1RB#0	22.02
Band71	20MHz	QPSK	133322	1RB#99	22.13

Band71	15MHz	16QAM	133297	38RB#0	22.05
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Note: FCC rule Part 22.905 of LTE Band 26 (824-849MHz) is covered by LTE band 5 of same rule ,since they have the same output power and supported bandwidths. In this report, only test FCC rule Part 90S of LTE Band 26 (814-824MHz).

3.6.Environmental Conditions

Date of test : May 24, 2021 – Jun.16, 2021

Date of EUT Receive : May 10, 2021

Temperature: (22-26) °C

Relative Humidity: (44-51)%

Air Pressure: (100.7-101.9) kPa

3.7.Special Accessories

Not available for this EUT intended for grant.

3.8.Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Radiated spurious test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Feb.05, 2021	1 Year
SB5472/02	Bilog Antenna	Schwarzbeck	VULB9163	Nov.15, 2020	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Dec.16, 2020	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Feb.05, 2021	1 Year
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Feb.05, 2021	1 Year
SB12724/06	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	May 17, 2021	1 Year
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Feb.05, 2021	1 Year
--	Radiated Test Software	Rohde & Schwarz	EMC 32	--	--

Conducted test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB18827	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	Jan.25, 2021	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	May 17, 2021	1 Year
SB7941/02	Signal Analyzer	Rohde & Schwarz	FSV30	May 17, 2021	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	Mar.29, 2021	--
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Mar.19, 2021	1 Year
--	Test Software	Tonscend	JS1120	--	--

5. MEASUREMENT UNCERTAINTY

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

26dB & Occupied Bandwidth: $\pm 0.39\%$

Frequency Stability: $\pm 0.42\%$

Peak to Average Ratio: ± 0.45 dB

Conducted power: ± 0.3 dB

Conducted Spurious Emissions: ± 2.0 dB

Conducted Band Edge: ± 2.0 dB

Temperature: ± 0.698 °C

Supply voltages: $\pm 0.15\%$

Radiated Emission:

30MHz~1000MHz 4.5dB

1GHz~6GHz 4.6dB

6GHz~18GHz 5.1dB

18GHz~26.5GHz 5.1dB

6. TEST ITEMS

6.1. Conducted Power & Effective Radiated Power

6.1.1. Test Standard

FCC: CFR Part 2.1046, CFR Part 22.913, CFR Part 24.232 CFR Part 27.50, CFR Part 90.635

6.1.2. Test Limit

22.913 (a) Effective radiated power limits.

The effective radiated power (ERP) of mobile transmitters must not exceed 7 Watts.

24.232 (b)(c) Power limits.

(b) Mobile/portable stations are limited to 2 Watts effective isotropic radiated power (EIRP).

(c) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement over the full bandwidth of the channel.

27.50 (b)(10) Portable stations (hand-held de-vices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

27.50 (c) The following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band (10) Portable stations (hand-held de-vices) are limited to 3 watts ERP.

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

90.635 (b) Power limits.

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBW).

6.1.3. Test Procedure

KDB 971168 Section 5.6

$EIRP (dBm) = ERP (dBm) + 2.15 (dB)$

$ERP/EIRP = P_{Meas} + GT - LC$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation. EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers.

6.1.4. Test Data

Please refer to Appendix A

6.2. Peak to Average Ratio

6.2.1. Test Standard

FCC: CFR 47 (FCC) part 22.913, 24.232, 27.50

6.2.2. Test Limit

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

6.2.3. Test Procedure

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

For LTE operating mode: a. The EUT was connected to spectrum and system simulator via a power divider. b. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer. c. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%. d. Record the deviation as Peak to Average Ratio.

6.2.4. Test Data

Please refer to Appendix B

6.3. Occupied Bandwidth & Emission Bandwidth

6.3.1. Test Standard

FCC: CFR Part 2.1049, Part 22.913, Part 24.238, Part 27.53, Part 90.209

6.3.2. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

Transmitters employing digital modulation techniques-when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated.

6.3.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
 2. Adjust the settings of the Universal Radio Communication Tester (CMU/CMW) to set the EUT to its maximum power at the required channel.
 3. Set the spectrum analyzer to measure the 99% occupied bandwidth. Record the value.
 4. Set the spectrum analyzer to measure the -26 dB emission bandwidth. Record the value.
 5. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
- Spectrum analyzer settings: Measurement bandwidth of at least 1% of the occupied bandwidth.

6.3.4. Test Data

Please refer to Appendix C

6.4. Conducted Band Edge

6.4.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

6.4.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§24.238:

specifies that "on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB."

§27.53:

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any

emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $43 + 10 \log(P)$ dB at the channel edge and $55 + 10 \log(P)$ dB at 5.5 megahertz from the channel edges. (Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§90.691:

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

The power of any emission shall be attenuated below the mean output power P (dBW) by at least $43 + 10 \log_{10}(p)$, measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

6.4.3. Test Procedure

1. Connect the equipment as shown in the above diagram with the EUT's antenna in a

horizontal orientation.

2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.

3. Set the spectrum analyzer to measure peak hold with the required settings.

4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360 .

Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360 at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.

5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.

6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS). $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$.

7. Determine the level of spurious emissions using the following equation:

$\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$:

8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.

9. Determine the level of spurious emissions using the following equation:

$\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$:

10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)

Spectrum analyzer settings: $RBW=1\text{MHz}$, $VBW=3*RBW$

6.4.4. Test Data

Please refer to Appendix D

6.5. Conducted Spurious Emissions

6.5.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

6.5.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

§22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§24.238:

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§27.53:

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge and $55 + 10 \log (P)$ dB at 5.5 megahertz from the channel edges. (Channel edges are defined under

§27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§90.691:

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and

including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

The power of any emission shall be attenuated below the mean output power P (dBW) by at least $43 + 10 \text{ log}_{10}(p)$, measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

6.5.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
 2. Set the spectrum analyzer to measure peak hold with the required settings.
 3. Set the signal generator to a known output power and record the path loss in dB (LOSS) for frequencies up to the tenth harmonic of the EUT's carrier frequency.
 $\text{LOSS} = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$.
 4. Replace the signal generator with the EUT.
 5. Adjust the settings of the Universal Radio Communication Tester (CMU) to set the EUT to its maximum power at the required channel.
 6. Set the spectrum analyzer to measure peak hold with the required settings. Offset the spectrum analyzer reference level by the path loss measured above.
 7. Measure and record all spurious emissions up to the tenth harmonic of the carrier frequency.
 8. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
 9. If necessary steps 6 and 7 may be performed with the spectrum analyzer set to average detector.
- (Note: Step 3 above is performed prior to testing and LOSS is recorded by test software. Steps 2, 6, and 7 above are performed with test software.)

6.5.4. Test Data

Please refer to Appendix E

6.6. Frequency Stability

6.6.1. Test Standard

FCC: CFR 47 (FCC) part 2.1055, 22.355, 24.235, 27.54, 90.213

6.6.2. Test Limit

According to part 22.355, from 821MHz to 896MHz, for mobile device, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances 2.5ppm.

FCC: §24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC 90.213, The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

6.6.3. Test Setup

Frequency Stability (Temperature Variation)

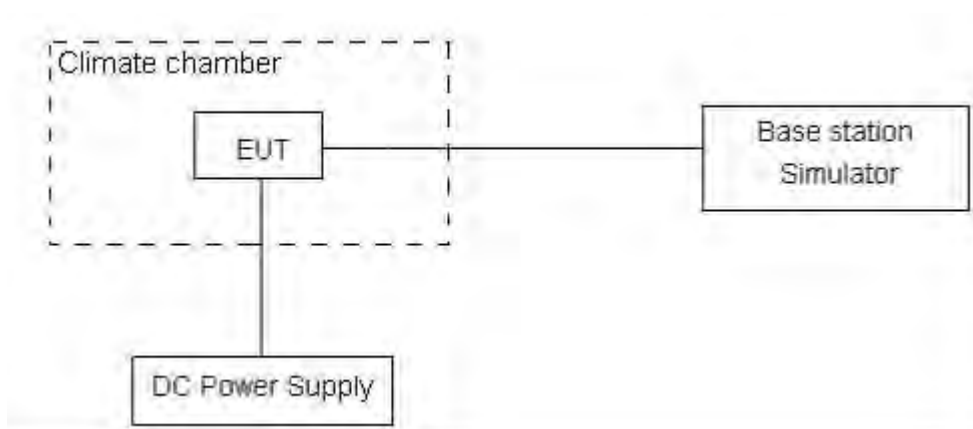
The temperature inside the climate chamber is varied from -30°C to $+50^{\circ}\text{C}$ in 10°C step size,

- (1) With all power removed, the temperature was decreased to 0°C and permitted to stabilize for three hours.
- (2) Measure the carrier frequency with the test equipment in a "call mode". These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.
- (3) Repeat the above measurements at 10°C increments from -30°C to $+50^{\circ}\text{C}$. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.
- (2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery-operating end point which shall be specified by the manufacturer.



6.6.4. Test Data

Please refer to Appendix F

6.7. Radiated Spurious Emissions

6.7.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

6.7.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

§22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§24.238:

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§27.53:

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge and $55 + 10 \log (P)$ dB at 5.5 megahertz from the channel edges. (Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§90.691:

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

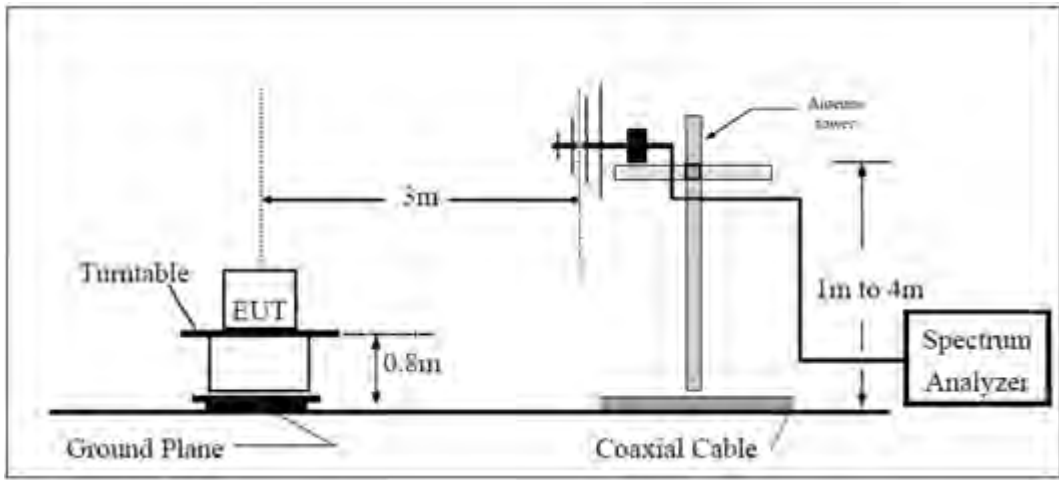
The power of any emission shall be attenuated below the mean output power P (dBW) by at least $43 + 10 \text{ log}_{10}(p)$, measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

6.7.3. Test Procedure

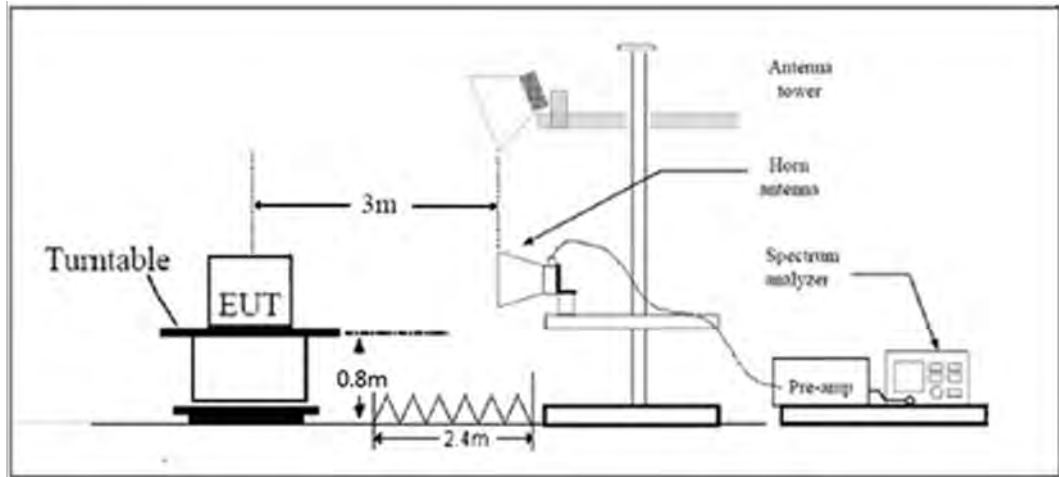
1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360 . Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360 at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.
5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.
6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS). $\text{LOSS} = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$.
7. Determine the level of spurious emissions using the following equation:
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.
9. Determine the level of spurious emissions using the following equation:
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)
Spectrum analyzer settings: RBW=VBW=1MHz

6.7.4. Test Setup

For Radiated test from 30MHz to 1GHz



For Radiated test above 1GHz



6.7.5. Test Data

Please refer to Appendix G

7. APPENDIX A: TEST RESULTS OF CONDUCTED POWER & EFFECTIVE RADIATED POWER

WCDMA:

Band	Channel	Frequency (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
Band2	9262	1852.4	22.60	15.60	33	PASS
Band2	9400	1880.0	22.65	15.65	33	PASS
Band2	9538	1907.6	22.84	15.84	33	PASS
Band4	1312	1712.4	23.30	16.30	30	PASS
Band4	1413	1732.6	23.08	16.08	30	PASS
Band4	1513	1752.6	23.01	16.01	30	PASS
Band5	4132	826.4	22.58	12.43	38.5	PASS
Band5	4182	836.4	22.39	12.24	38.5	PASS
Band5	4233	846.6	22.39	12.24	38.5	PASS

LTE:

LTE Band 2 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18607	1850.7	1	0	21.69	-7	14.69	33	Pass
			1	3	21.95	-7	14.95	33	Pass
			1	5	21.86	-7	14.86	33	Pass
			3	0	21.96	-7	14.96	33	Pass
			3	2	21.95	-7	14.95	33	Pass
			3	3	21.84	-7	14.84	33	Pass
			6	0	20.82	-7	13.82	33	Pass
	18900	1880	1	0	21.53	-7	14.53	33	Pass
			1	3	21.57	-7	14.57	33	Pass
			1	5	21.53	-7	14.53	33	Pass
			3	0	21.62	-7	14.62	33	Pass
			3	2	21.58	-7	14.58	33	Pass
			3	3	21.49	-7	14.49	33	Pass
			6	0	20.84	-7	13.84	33	Pass
	19193	1909.3	1	0	21.67	-7	14.67	33	Pass
			1	3	21.47	-7	14.47	33	Pass
			1	5	21.38	-7	14.38	33	Pass
			3	0	21.63	-7	14.63	33	Pass
			3	2	21.56	-7	14.56	33	Pass
			3	3	21.72	-7	14.72	33	Pass
			6	0	20.71	-7	13.71	33	Pass
16QAM	18607	1850.7	1	0	20.61	-7	13.61	33	Pass
			1	3	21.26	-7	14.26	33	Pass
			1	5	20.58	-7	13.58	33	Pass
			3	0	20.62	-7	13.62	33	Pass
			3	2	20.61	-7	13.61	33	Pass
			3	3	20.65	-7	13.65	33	Pass
			6	0	19.86	-7	12.86	33	Pass
	18900	1880	1	0	20.30	-7	13.30	33	Pass
			1	3	20.64	-7	13.64	33	Pass
			1	5	20.74	-7	13.74	33	Pass
			3	0	20.69	-7	13.69	33	Pass
			3	2	20.78	-7	13.78	33	Pass
			3	3	20.85	-7	13.85	33	Pass
			6	0	19.73	-7	12.73	33	Pass
	19193	1909.3	1	0	20.48	-7	13.48	33	Pass
			1	3	20.61	-7	13.61	33	Pass
			1	5	20.78	-7	13.78	33	Pass
			3	0	20.36	-7	13.36	33	Pass
			3	2	20.40	-7	13.40	33	Pass
			3	3	20.14	-7	13.14	33	Pass
			6	0	20.05	-7	13.05	33	Pass

LTE Band 2 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18615	1851.5	1	0	21.43	-7	14.43	33	Pass
			1	7	21.54	-7	14.54	33	Pass
			1	14	21.70	-7	14.70	33	Pass
			8	0	20.58	-7	13.58	33	Pass
			8	4	20.58	-7	13.58	33	Pass
			8	7	20.65	-7	13.65	33	Pass
			15	0	20.61	-7	13.61	33	Pass
	18900	1880	1	0	21.77	-7	14.77	33	Pass
			1	7	21.57	-7	14.57	33	Pass
			1	14	21.53	-7	14.53	33	Pass
			8	0	20.56	-7	13.56	33	Pass
			8	4	20.62	-7	13.62	33	Pass
			8	7	20.60	-7	13.60	33	Pass
			15	0	20.61	-7	13.61	33	Pass
	19185	1908.5	1	0	21.91	-7	14.91	33	Pass
			1	7	21.40	-7	14.40	33	Pass
			1	14	21.62	-7	14.62	33	Pass
			8	0	20.68	-7	13.68	33	Pass
			8	4	20.65	-7	13.65	33	Pass
			8	7	20.65	-7	13.65	33	Pass
			15	0	20.66	-7	13.66	33	Pass
16QAM	18615	1851.5	1	0	20.76	-7	13.76	33	Pass
			1	7	20.91	-7	13.91	33	Pass
			1	14	20.93	-7	13.93	33	Pass
			8	0	19.47	-7	12.47	33	Pass
			8	4	19.61	-7	12.61	33	Pass
			8	7	19.45	-7	12.45	33	Pass
			15	0	19.58	-7	12.58	33	Pass
	18900	1880	1	0	20.85	-7	13.85	33	Pass
			1	7	20.59	-7	13.59	33	Pass
			1	14	20.85	-7	13.85	33	Pass
			8	0	19.61	-7	12.61	33	Pass
			8	4	19.38	-7	12.38	33	Pass
			8	7	19.70	-7	12.70	33	Pass
			15	0	19.53	-7	12.53	33	Pass
	19185	1908.5	1	0	20.60	-7	13.60	33	Pass
			1	7	20.42	-7	13.42	33	Pass
			1	14	20.65	-7	13.65	33	Pass
			8	0	19.59	-7	12.59	33	Pass
			8	4	19.46	-7	12.46	33	Pass
			8	7	19.94	-7	12.94	33	Pass
			15	0	19.62	-7	12.62	33	Pass

LTE Band 2 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18625	1852.5	1	0	21.75	-7	14.75	33	Pass
			1	12	21.51	-7	14.51	33	Pass
			1	24	21.78	-7	14.78	33	Pass
			12	0	20.62	-7	13.62	33	Pass
			12	6	20.63	-7	13.63	33	Pass
			12	13	20.61	-7	13.61	33	Pass
			25	0	20.67	-7	13.67	33	Pass
	18900	1880	1	0	21.62	-7	14.62	33	Pass
			1	12	21.58	-7	14.58	33	Pass
			1	24	21.74	-7	14.74	33	Pass
			12	0	20.58	-7	13.58	33	Pass
			12	6	20.55	-7	13.55	33	Pass
			12	13	20.55	-7	13.55	33	Pass
			25	0	20.57	-7	13.57	33	Pass
	19175	1907.5	1	0	21.69	-7	14.69	33	Pass
			1	12	21.57	-7	14.57	33	Pass
			1	24	21.52	-7	14.52	33	Pass
			12	0	20.73	-7	13.73	33	Pass
			12	6	20.71	-7	13.71	33	Pass
			12	13	20.67	-7	13.67	33	Pass
			25	0	20.69	-7	13.69	33	Pass
16QAM	18625	1852.5	1	0	20.50	-7	13.50	33	Pass
			1	12	20.49	-7	13.49	33	Pass
			1	24	20.51	-7	13.51	33	Pass
			12	0	19.56	-7	12.56	33	Pass
			12	6	19.58	-7	12.58	33	Pass
			12	13	19.57	-7	12.57	33	Pass
			25	0	19.66	-7	12.66	33	Pass
	18900	1880	1	0	20.49	-7	13.49	33	Pass
			1	12	20.47	-7	13.47	33	Pass
			1	24	20.71	-7	13.71	33	Pass
			12	0	19.56	-7	12.56	33	Pass
			12	6	19.53	-7	12.53	33	Pass
			12	13	19.53	-7	12.53	33	Pass
			25	0	19.45	-7	12.45	33	Pass
	19175	1907.5	1	0	20.61	-7	13.61	33	Pass
			1	12	20.59	-7	13.59	33	Pass
			1	24	20.56	-7	13.56	33	Pass
			12	0	19.23	-7	12.23	33	Pass
			12	6	19.41	-7	12.41	33	Pass
			12	13	19.72	-7	12.72	33	Pass
			25	0	19.85	-7	12.85	33	Pass

LTE Band 2 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18650	1855	1	0	21.27	-7	14.27	33	Pass
			1	24	21.26	-7	14.26	33	Pass
			1	49	21.31	-7	14.31	33	Pass
			25	0	20.47	-7	13.47	33	Pass
			25	12	20.37	-7	13.37	33	Pass
			25	25	20.30	-7	13.30	33	Pass
			50	0	20.27	-7	13.27	33	Pass
	18900	1880	1	0	21.35	-7	14.35	33	Pass
			1	24	21.26	-7	14.26	33	Pass
			1	49	21.12	-7	14.12	33	Pass
			25	0	20.35	-7	13.35	33	Pass
			25	12	20.29	-7	13.29	33	Pass
			25	25	20.36	-7	13.36	33	Pass
			50	0	20.32	-7	13.32	33	Pass
	19150	1905	1	0	21.47	-7	14.47	33	Pass
			1	24	21.30	-7	14.30	33	Pass
			1	49	21.27	-7	14.27	33	Pass
			25	0	20.36	-7	13.36	33	Pass
			25	12	20.43	-7	13.43	33	Pass
			25	25	20.47	-7	13.47	33	Pass
			50	0	20.38	-7	13.38	33	Pass
16QAM	18650	1855	1	0	20.77	-7	13.77	33	Pass
			1	24	20.44	-7	13.44	33	Pass
			1	49	20.11	-7	13.11	33	Pass
			25	0	19.20	-7	12.20	33	Pass
			25	12	19.31	-7	12.31	33	Pass
			25	25	19.14	-7	12.14	33	Pass
			50	0	19.41	-7	12.41	33	Pass
	18900	1880	1	0	20.28	-7	13.28	33	Pass
			1	24	20.39	-7	13.39	33	Pass
			1	49	20.22	-7	13.22	33	Pass
			25	0	19.21	-7	12.21	33	Pass
			25	12	19.26	-7	12.26	33	Pass
			25	25	19.33	-7	12.33	33	Pass
			50	0	19.39	-7	12.39	33	Pass
	19150	1905	1	0	20.50	-7	13.50	33	Pass
			1	24	20.15	-7	13.15	33	Pass
			1	49	20.29	-7	13.29	33	Pass
			25	0	19.41	-7	12.41	33	Pass
			25	12	19.46	-7	12.46	33	Pass
			25	25	19.40	-7	12.40	33	Pass
			50	0	19.40	-7	12.40	33	Pass

LTE Band 2 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18675	1857.5	1	0	21.54	-7	14.54	33	Pass
			1	37	21.41	-7	14.41	33	Pass
			1	74	21.50	-7	14.50	33	Pass
			37	0	20.71	-7	13.71	33	Pass
			37	18	20.55	-7	13.55	33	Pass
			37	38	20.67	-7	13.67	33	Pass
			75	0	20.61	-7	13.61	33	Pass
	18900	1880	1	0	21.37	-7	14.37	33	Pass
			1	37	21.39	-7	14.39	33	Pass
			1	74	21.60	-7	14.60	33	Pass
			37	0	20.46	-7	13.46	33	Pass
			37	18	20.44	-7	13.44	33	Pass
			37	38	20.70	-7	13.70	33	Pass
			75	0	20.86	-7	13.86	33	Pass
	19125	1902.5	1	0	21.67	-7	14.67	33	Pass
			1	37	21.57	-7	14.57	33	Pass
			1	74	21.79	-7	14.79	33	Pass
			37	0	21.53	-7	14.53	33	Pass
			37	18	20.47	-7	13.47	33	Pass
			37	38	20.82	-7	13.82	33	Pass
			75	0	20.63	-7	13.63	33	Pass
16QAM	18675	1857.5	1	0	20.70	-7	13.70	33	Pass
			1	37	20.10	-7	13.10	33	Pass
			1	74	20.67	-7	13.67	33	Pass
			37	0	20.67	-7	13.67	33	Pass
			37	18	20.54	-7	13.54	33	Pass
			37	38	20.82	-7	13.82	33	Pass
			75	0	19.57	-7	12.57	33	Pass
	18900	1880	1	0	20.60	-7	13.60	33	Pass
			1	37	20.57	-7	13.57	33	Pass
			1	74	20.69	-7	13.69	33	Pass
			37	0	20.44	-7	13.44	33	Pass
			37	18	20.63	-7	13.63	33	Pass
			37	38	20.79	-7	13.79	33	Pass
			75	0	19.89	-7	12.89	33	Pass
	19125	1902.5	1	0	21.63	-7	14.63	33	Pass
			1	37	20.50	-7	13.50	33	Pass
			1	74	20.62	-7	13.62	33	Pass
			37	0	21.45	-7	14.45	33	Pass
			37	18	20.54	-7	13.54	33	Pass
			37	38	20.79	-7	13.79	33	Pass
			75	0	19.68	-7	12.68	33	Pass

LTE Band 2 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	18700	1860	1	0	21.66	-7	14.66	33	Pass
			1	49	21.52	-7	14.52	33	Pass
			1	99	21.64	-7	14.64	33	Pass
			50	0	20.62	-7	13.62	33	Pass
			50	25	20.55	-7	13.55	33	Pass
			50	50	20.77	-7	13.77	33	Pass
			100	0	20.84	-7	13.84	33	Pass
	18900	1880	1	0	21.68	-7	14.68	33	Pass
			1	49	21.58	-7	14.58	33	Pass
			1	99	21.64	-7	14.64	33	Pass
			50	0	20.58	-7	13.58	33	Pass
			50	25	20.73	-7	13.73	33	Pass
			50	50	20.73	-7	13.73	33	Pass
			100	0	20.85	-7	13.85	33	Pass
	19100	1900	1	0	21.65	-7	14.65	33	Pass
			1	49	21.68	-7	14.68	33	Pass
			1	99	21.59	-7	14.59	33	Pass
			50	0	20.82	-7	13.82	33	Pass
			50	25	20.91	-7	13.91	33	Pass
			50	50	20.83	-7	13.83	33	Pass
			100	0	20.69	-7	13.69	33	Pass
16QAM	18700	1860	1	0	20.68	-7	13.68	33	Pass
			1	49	20.72	-7	13.72	33	Pass
			1	99	20.73	-7	13.73	33	Pass
			50	0	19.59	-7	12.59	33	Pass
			50	25	19.61	-7	12.61	33	Pass
			50	50	19.75	-7	12.75	33	Pass
			100	0	19.74	-7	12.74	33	Pass
	18900	1880	1	0	20.76	-7	13.76	33	Pass
			1	49	21.30	-7	14.30	33	Pass
			1	99	21.63	-7	14.63	33	Pass
			50	0	19.70	-7	12.70	33	Pass
			50	25	19.67	-7	12.67	33	Pass
			50	50	19.77	-7	12.77	33	Pass
			100	0	19.75	-7	12.75	33	Pass
	19100	1900	1	0	20.51	-7	13.51	33	Pass
			1	49	20.47	-7	13.47	33	Pass
			1	99	20.49	-7	13.49	33	Pass
			50	0	19.91	-7	12.91	33	Pass
			50	25	19.88	-7	12.88	33	Pass
			50	50	19.81	-7	12.81	33	Pass
			100	0	19.73	-7	12.73	33	Pass

LTE Band 4 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	19957	1710.7	1	0	22.39	-7	15.39	30	Pass
			1	3	22.19	-7	15.19	30	Pass
			1	5	22.27	-7	15.27	30	Pass
			3	0	22.21	-7	15.21	30	Pass
			3	2	22.17	-7	15.17	30	Pass
			3	3	22.05	-7	15.05	30	Pass
			6	0	21.15	-7	14.15	30	Pass
	20175	1732.5	1	0	21.95	-7	14.95	30	Pass
			1	3	22.14	-7	15.14	30	Pass
			1	5	21.97	-7	14.97	30	Pass
			3	0	22.16	-7	15.16	30	Pass
			3	2	22.08	-7	15.08	30	Pass
			3	3	22.07	-7	15.07	30	Pass
			6	0	21.17	-7	14.17	30	Pass
	20393	1754.3	1	0	21.92	-7	14.92	30	Pass
			1	3	22.04	-7	15.04	30	Pass
			1	5	22.08	-7	15.08	30	Pass
			3	0	21.91	-7	14.91	30	Pass
			3	2	22.05	-7	15.05	30	Pass
			3	3	22.22	-7	15.22	30	Pass
			6	0	21.21	-7	14.21	30	Pass
16QAM	19957	1710.7	1	0	21.14	-7	14.14	30	Pass
			1	3	21.28	-7	14.28	30	Pass
			1	5	21.08	-7	14.08	30	Pass
			3	0	21.03	-7	14.03	30	Pass
			3	2	21.05	-7	14.05	30	Pass
			3	3	21.03	-7	14.03	30	Pass
			6	0	19.90	-7	12.90	30	Pass
	20175	1732.5	1	0	21.41	-7	14.41	30	Pass
			1	3	21.69	-7	14.69	30	Pass
			1	5	21.71	-7	14.71	30	Pass
			3	0	20.90	-7	13.90	30	Pass
			3	2	20.77	-7	13.77	30	Pass
			3	3	20.99	-7	13.99	30	Pass
			6	0	20.07	-7	13.07	30	Pass
	20393	1754.3	1	0	21.27	-7	14.27	30	Pass
			1	3	21.39	-7	14.39	30	Pass
			1	5	21.36	-7	14.36	30	Pass
			3	0	20.63	-7	13.63	30	Pass
			3	2	20.89	-7	13.89	30	Pass
			3	3	20.79	-7	13.79	30	Pass
			6	0	20.13	-7	13.13	30	Pass

LTE Band 4 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	19965	1711.5	1	0	22.09	-7	15.09	30	Pass
			1	7	22.09	-7	15.09	30	Pass
			1	14	22.10	-7	15.10	30	Pass
			8	0	21.23	-7	14.23	30	Pass
			8	4	21.22	-7	14.22	30	Pass
			8	7	21.27	-7	14.27	30	Pass
			15	0	21.15	-7	14.15	30	Pass
	20175	1732.5	1	0	22.36	-7	15.36	30	Pass
			1	7	22.09	-7	15.09	30	Pass
			1	14	22.16	-7	15.16	30	Pass
			8	0	21.22	-7	14.22	30	Pass
			8	4	21.24	-7	14.24	30	Pass
			8	7	21.20	-7	14.20	30	Pass
			15	0	21.21	-7	14.21	30	Pass
	20385	1753.5	1	0	22.13	-7	15.13	30	Pass
			1	7	21.94	-7	14.94	30	Pass
			1	14	22.16	-7	15.16	30	Pass
			8	0	21.06	-7	14.06	30	Pass
			8	4	21.05	-7	14.05	30	Pass
			8	7	21.12	-7	14.12	30	Pass
			15	0	21.07	-7	14.07	30	Pass
16QAM	19965	1711.5	1	0	21.13	-7	14.13	30	Pass
			1	7	21.06	-7	14.06	30	Pass
			1	14	20.92	-7	13.92	30	Pass
			8	0	20.33	-7	13.33	30	Pass
			8	4	20.12	-7	13.12	30	Pass
			8	7	20.28	-7	13.28	30	Pass
			15	0	20.07	-7	13.07	30	Pass
	20175	1732.5	1	0	21.03	-7	14.03	30	Pass
			1	7	21.65	-7	14.65	30	Pass
			1	14	21.76	-7	14.76	30	Pass
			8	0	20.32	-7	13.32	30	Pass
			8	4	20.04	-7	13.04	30	Pass
			8	7	20.20	-7	13.20	30	Pass
			15	0	20.08	-7	13.08	30	Pass
	20385	1753.5	1	0	20.99	-7	13.99	30	Pass
			1	7	20.98	-7	13.98	30	Pass
			1	14	21.30	-7	14.30	30	Pass
			8	0	20.08	-7	13.08	30	Pass
			8	4	20.07	-7	13.07	30	Pass
			8	7	20.24	-7	13.24	30	Pass
			15	0	20.10	-7	13.10	30	Pass

LTE Band 4 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	19975	1712.5	1	0	22.13	-7	15.13	30	Pass
			1	12	22.19	-7	15.19	30	Pass
			1	24	22.13	-7	15.13	30	Pass
			12	0	21.13	-7	14.13	30	Pass
			12	6	21.12	-7	14.12	30	Pass
			12	13	21.12	-7	14.12	30	Pass
			25	0	21.14	-7	14.14	30	Pass
	20175	1732.5	1	0	22.28	-7	15.28	30	Pass
			1	12	22.11	-7	15.11	30	Pass
			1	24	22.15	-7	15.15	30	Pass
			12	0	21.25	-7	14.25	30	Pass
			12	6	21.27	-7	14.27	30	Pass
			12	13	21.17	-7	14.17	30	Pass
			25	0	21.12	-7	14.12	30	Pass
	20375	1752.5	1	0	21.89	-7	14.89	30	Pass
			1	12	22.18	-7	15.18	30	Pass
			1	24	22.12	-7	15.12	30	Pass
			12	0	21.20	-7	14.20	30	Pass
			12	6	21.01	-7	14.01	30	Pass
			12	13	21.09	-7	14.09	30	Pass
			25	0	21.14	-7	14.14	30	Pass
16QAM	19975	1712.5	1	0	20.86	-7	13.86	30	Pass
			1	12	21.20	-7	14.20	30	Pass
			1	24	21.11	-7	14.11	30	Pass
			12	0	20.00	-7	13.00	30	Pass
			12	6	20.27	-7	13.27	30	Pass
			12	13	20.08	-7	13.08	30	Pass
			25	0	20.13	-7	13.13	30	Pass
	20175	1732.5	1	0	21.24	-7	14.24	30	Pass
			1	12	21.34	-7	14.34	30	Pass
			1	24	21.07	-7	14.07	30	Pass
			12	0	19.80	-7	12.80	30	Pass
			12	6	19.81	-7	12.81	30	Pass
			12	13	19.82	-7	12.82	30	Pass
			25	0	20.16	-7	13.16	30	Pass
	20375	1752.5	1	0	20.69	-7	13.69	30	Pass
			1	12	20.81	-7	13.81	30	Pass
			1	24	20.95	-7	13.95	30	Pass
			12	0	19.94	-7	12.94	30	Pass
			12	6	19.82	-7	12.82	30	Pass
			12	13	19.98	-7	12.98	30	Pass
			25	0	19.94	-7	12.94	30	Pass

LTE Band 4 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20000	1715	1	0	22.40	-7	15.40	30	Pass
			1	24	22.34	-7	15.34	30	Pass
			1	49	22.03	-7	15.03	30	Pass
			25	0	21.19	-7	14.19	30	Pass
			25	12	21.16	-7	14.16	30	Pass
			25	25	21.23	-7	14.23	30	Pass
			50	0	21.15	-7	14.15	30	Pass
	20175	1732.5	1	0	22.29	-7	15.29	30	Pass
			1	24	22.48	-7	15.48	30	Pass
			1	49	22.35	-7	15.35	30	Pass
			25	0	21.22	-7	14.22	30	Pass
			25	12	21.04	-7	14.04	30	Pass
			25	25	21.14	-7	14.14	30	Pass
			50	0	21.15	-7	14.15	30	Pass
	20350	1775	1	0	22.32	-7	15.32	30	Pass
			1	24	21.95	-7	14.95	30	Pass
			1	49	22.22	-7	15.22	30	Pass
			25	0	21.04	-7	14.04	30	Pass
			25	12	21.04	-7	14.04	30	Pass
			25	25	21.14	-7	14.14	30	Pass
			50	0	21.10	-7	14.10	30	Pass
16QAM	20350	1715	1	0	21.24	-7	14.24	30	Pass
			1	24	21.31	-7	14.31	30	Pass
			1	49	20.86	-7	13.86	30	Pass
			25	0	20.29	-7	13.29	30	Pass
			25	12	20.25	-7	13.25	30	Pass
			25	25	20.44	-7	13.44	30	Pass
			50	0	20.16	-7	13.16	30	Pass
	20175	1732.5	1	0	21.80	-7	14.80	30	Pass
			1	24	21.49	-7	14.49	30	Pass
			1	49	21.63	-7	14.63	30	Pass
			25	0	20.12	-7	13.12	30	Pass
			25	12	20.29	-7	13.29	30	Pass
			25	25	20.26	-7	13.26	30	Pass
			50	0	20.17	-7	13.17	30	Pass
	20350	1750	1	0	21.35	-7	14.35	30	Pass
			1	24	20.97	-7	13.97	30	Pass
			1	49	21.47	-7	14.47	30	Pass
			25	0	20.02	-7	13.02	30	Pass
			25	12	19.84	-7	12.84	30	Pass
			25	25	20.12	-7	13.12	30	Pass
			50	0	20.08	-7	13.08	30	Pass

LTE Band 4 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20025	1717.5	1	0	22.05	-7	15.05	30	Pass
			1	37	21.95	-7	14.95	30	Pass
			1	74	22.09	-7	15.09	30	Pass
			37	0	21.40	-7	14.40	30	Pass
			37	18	20.90	-7	13.90	30	Pass
			37	38	21.14	-7	14.14	30	Pass
			75	0	21.25	-7	14.25	30	Pass
	20175	1732.5	1	0	22.23	-7	15.23	30	Pass
			1	37	21.96	-7	14.96	30	Pass
			1	74	22.39	-7	15.39	30	Pass
			37	0	21.71	-7	14.71	30	Pass
			37	18	21.43	-7	14.43	30	Pass
			37	38	21.73	-7	14.73	30	Pass
			75	0	21.22	-7	14.22	30	Pass
	20325	1747.5	1	0	22.40	-7	15.40	30	Pass
			1	37	21.67	-7	14.67	30	Pass
			1	74	22.30	-7	15.30	30	Pass
			37	0	21.34	-7	14.34	30	Pass
			37	18	21.05	-7	14.05	30	Pass
			37	38	21.34	-7	14.34	30	Pass
			75	0	21.21	-7	14.21	30	Pass
16QAM	20025	1717.5	1	0	21.27	-7	14.27	30	Pass
			1	37	21.09	-7	14.09	30	Pass
			1	74	21.21	-7	14.21	30	Pass
			37	0	21.28	-7	14.28	30	Pass
			37	18	21.07	-7	14.07	30	Pass
			37	38	21.23	-7	14.23	30	Pass
			75	0	20.27	-7	13.27	30	Pass
	20175	1732.5	1	0	21.68	-7	14.68	30	Pass
			1	37	21.77	-7	14.77	30	Pass
			1	74	21.14	-7	14.14	30	Pass
			37	0	21.65	-7	14.65	30	Pass
			37	18	21.82	-7	14.82	30	Pass
			37	38	21.14	-7	14.14	30	Pass
			75	0	20.15	-7	13.15	30	Pass
	20325	1747.5	1	0	21.28	-7	14.28	30	Pass
			1	37	20.95	-7	13.95	30	Pass
			1	74	21.36	-7	14.36	30	Pass
			37	0	21.34	-7	14.34	30	Pass
			37	18	20.82	-7	13.82	30	Pass
			37	38	21.06	-7	14.06	30	Pass
			75	0	19.98	-7	12.98	30	Pass

LTE Band 4 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20050	1720	1	0	22.37	-7	15.37	30	Pass
			1	49	22.70	-7	15.70	30	Pass
			1	99	22.70	-7	15.70	30	Pass
			50	0	21.30	-7	14.30	30	Pass
			50	25	21.28	-7	14.28	30	Pass
			50	50	21.43	-7	14.43	30	Pass
			100	0	21.38	-7	14.38	30	Pass
	20175	1732.5	1	0	22.50	-7	15.50	30	Pass
			1	49	22.30	-7	15.30	30	Pass
			1	99	22.41	-7	15.41	30	Pass
			50	0	21.26	-7	14.26	30	Pass
			50	25	21.28	-7	14.28	30	Pass
			50	50	21.19	-7	14.19	30	Pass
			100	0	21.31	-7	14.31	30	Pass
	20300	1745	1	0	22.41	-7	15.41	30	Pass
			1	49	22.63	-7	15.63	30	Pass
			1	99	22.42	-7	15.42	30	Pass
			50	0	21.40	-7	14.40	30	Pass
			50	25	21.41	-7	14.41	30	Pass
			50	50	21.23	-7	14.23	30	Pass
			100	0	21.32	-7	14.32	30	Pass
16QAM	20050	1720	1	0	21.55	-7	14.55	30	Pass
			1	49	21.95	-7	14.95	30	Pass
			1	99	21.68	-7	14.68	30	Pass
			50	0	20.15	-7	13.15	30	Pass
			50	25	20.31	-7	13.31	30	Pass
			50	50	20.30	-7	13.30	30	Pass
			100	0	20.37	-7	13.37	30	Pass
	20175	1732.5	1	0	21.44	-7	14.44	30	Pass
			1	49	20.88	-7	13.88	30	Pass
			1	99	21.16	-7	14.16	30	Pass
			50	0	20.25	-7	13.25	30	Pass
			50	25	20.35	-7	13.35	30	Pass
			50	50	20.24	-7	13.24	30	Pass
			100	0	20.13	-7	13.13	30	Pass
	20300	1745	1	0	21.38	-7	14.38	30	Pass
			1	49	21.56	-7	14.56	30	Pass
			1	99	21.52	-7	14.52	30	Pass
			50	0	20.41	-7	13.41	30	Pass
			50	25	20.32	-7	13.32	30	Pass
			50	50	20.12	-7	13.12	30	Pass
			100	0	20.25	-7	13.25	30	Pass

LTE Band 5 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20407	824.7	1	0	21.72	-8	11.57	38.5	Pass
			1	3	21.83	-8	11.68	38.5	Pass
			1	5	21.77	-8	11.62	38.5	Pass
			3	0	21.72	-8	11.57	38.5	Pass
			3	2	21.78	-8	11.63	38.5	Pass
			3	3	21.78	-8	11.63	38.5	Pass
			6	0	20.79	-8	10.64	38.5	Pass
	20525	836.5	1	0	21.72	-8	11.57	38.5	Pass
			1	3	21.73	-8	11.58	38.5	Pass
			1	5	21.74	-8	11.59	38.5	Pass
			3	0	21.77	-8	11.62	38.5	Pass
			3	2	21.83	-8	11.68	38.5	Pass
			3	3	21.72	-8	11.57	38.5	Pass
			6	0	20.88	-8	10.73	38.5	Pass
	20643	848.3	1	0	21.95	-8	11.80	38.5	Pass
			1	3	22.15	-8	12.00	38.5	Pass
			1	5	21.82	-8	11.67	38.5	Pass
			3	0	22.17	-8	12.02	38.5	Pass
			3	2	22.21	-8	12.06	38.5	Pass
			3	3	21.88	-8	11.73	38.5	Pass
			6	0	20.92	-8	10.77	38.5	Pass
16QAM	20407	824.7	1	0	20.64	-8	10.49	38.5	Pass
			1	3	21.35	-8	11.20	38.5	Pass
			1	5	20.53	-8	10.38	38.5	Pass
			3	0	20.76	-8	10.61	38.5	Pass
			3	2	20.62	-8	10.47	38.5	Pass
			3	3	20.52	-8	10.37	38.5	Pass
			6	0	20.18	-8	10.03	38.5	Pass
	20525	836.5	1	0	20.75	-8	10.60	38.5	Pass
			1	3	20.80	-8	10.65	38.5	Pass
			1	5	20.80	-8	10.65	38.5	Pass
			3	0	20.66	-8	10.51	38.5	Pass
			3	2	20.61	-8	10.46	38.5	Pass
			3	3	20.65	-8	10.50	38.5	Pass
			6	0	19.75	-8	9.60	38.5	Pass
	20643	848.3	1	0	21.18	-8	11.03	38.5	Pass
			1	3	21.27	-8	11.12	38.5	Pass
			1	5	20.90	-8	10.75	38.5	Pass
			3	0	20.68	-8	10.53	38.5	Pass
			3	2	21.37	-8	11.22	38.5	Pass
			3	3	20.83	-8	10.68	38.5	Pass
			6	0	20.00	-8	9.85	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 3 MHz										
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict	
			Size	Offset						
QPSK	20415	825.5	1	0	22.00	-8	11.85	38.5	Pass	
			1	7	21.93	-8	11.78	38.5	Pass	
			1	14	22.21	-8	12.06	38.5	Pass	
			8	0	20.98	-8	10.83	38.5	Pass	
			8	4	20.78	-8	10.63	38.5	Pass	
			8	7	20.92	-8	10.77	38.5	Pass	
			15	0	20.89	-8	10.74	38.5	Pass	
	20525	836.5	1	0	22.15	-8	12.00	38.5	Pass	
			1	7	21.63	-8	11.48	38.5	Pass	
			1	14	21.93	-8	11.78	38.5	Pass	
			8	0	21.03	-8	10.88	38.5	Pass	
			8	4	21.03	-8	10.88	38.5	Pass	
			8	7	20.87	-8	10.72	38.5	Pass	
			15	0	20.97	-8	10.82	38.5	Pass	
	20635	847.5	1	0	22.15	-8	12.00	38.5	Pass	
			1	7	21.98	-8	11.83	38.5	Pass	
			1	14	22.02	-8	11.87	38.5	Pass	
			8	0	21.07	-8	10.92	38.5	Pass	
			8	4	21.14	-8	10.99	38.5	Pass	
			8	7	21.03	-8	10.88	38.5	Pass	
			15	0	20.99	-8	10.84	38.5	Pass	
	16QAM	20415	825.5	1	0	21.04	-8	10.89	38.5	Pass
				1	7	20.78	-8	10.63	38.5	Pass
				1	14	21.03	-8	10.88	38.5	Pass
8				0	19.80	-8	9.65	38.5	Pass	
8				4	19.79	-8	9.64	38.5	Pass	
8				7	20.01	-8	9.86	38.5	Pass	
15				0	19.82	-8	9.67	38.5	Pass	
20525		836.5	1	0	21.59	-8	11.44	38.5	Pass	
			1	7	21.19	-8	11.04	38.5	Pass	
			1	14	21.47	-8	11.32	38.5	Pass	
			8	0	19.82	-8	9.67	38.5	Pass	
			8	4	20.25	-8	10.10	38.5	Pass	
			8	7	19.93	-8	9.78	38.5	Pass	
			15	0	20.02	-8	9.87	38.5	Pass	
20635		847.5	1	0	21.08	-8	10.93	38.5	Pass	
			1	7	20.82	-8	10.67	38.5	Pass	
			1	14	21.18	-8	11.03	38.5	Pass	
			8	0	20.39	-8	10.24	38.5	Pass	
			8	4	20.37	-8	10.22	38.5	Pass	
			8	7	20.20	-8	10.05	38.5	Pass	
			15	0	20.15	-8	10.00	38.5	Pass	

LTE Band 5 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20425	826.5	1	0	21.97	-8	11.82	38.5	Pass
			1	12	22.10	-8	11.95	38.5	Pass
			1	24	21.89	-8	11.74	38.5	Pass
			12	0	20.70	-8	10.55	38.5	Pass
			12	6	21.07	-8	10.92	38.5	Pass
			12	13	21.16	-8	11.01	38.5	Pass
			25	0	21.08	-8	10.93	38.5	Pass
	20525	836.5	1	0	21.97	-8	11.82	38.5	Pass
			1	12	22.02	-8	11.87	38.5	Pass
			1	24	22.24	-8	12.09	38.5	Pass
			12	0	21.04	-8	10.89	38.5	Pass
			12	6	21.04	-8	10.89	38.5	Pass
			12	13	21.10	-8	10.95	38.5	Pass
			25	0	21.19	-8	11.04	38.5	Pass
	20625	846.5	1	0	22.03	-8	11.88	38.5	Pass
			1	12	21.89	-8	11.74	38.5	Pass
			1	24	22.03	-8	11.88	38.5	Pass
			12	0	21.11	-8	10.96	38.5	Pass
			12	6	21.09	-8	10.94	38.5	Pass
			12	13	20.94	-8	10.79	38.5	Pass
			25	0	21.00	-8	10.85	38.5	Pass
16QAM	20425	826.5	1	0	21.07	-8	10.92	38.5	Pass
			1	12	21.20	-8	11.05	38.5	Pass
			1	24	20.97	-8	10.82	38.5	Pass
			12	0	20.16	-8	10.01	38.5	Pass
			12	6	20.04	-8	9.89	38.5	Pass
			12	13	20.24	-8	10.09	38.5	Pass
			25	0	20.09	-8	9.94	38.5	Pass
	20525	836.5	1	0	21.01	-8	10.86	38.5	Pass
			1	12	20.75	-8	10.60	38.5	Pass
			1	24	21.23	-8	11.08	38.5	Pass
			12	0	19.77	-8	9.62	38.5	Pass
			12	6	20.00	-8	9.85	38.5	Pass
			12	13	20.10	-8	9.95	38.5	Pass
			25	0	20.30	-8	10.15	38.5	Pass
	20625	846.5	1	0	21.00	-8	10.85	38.5	Pass
			1	12	20.52	-8	10.37	38.5	Pass
			1	24	21.14	-8	10.99	38.5	Pass
			12	0	19.84	-8	9.69	38.5	Pass
			12	6	20.11	-8	9.96	38.5	Pass
			12	13	20.12	-8	9.97	38.5	Pass
			25	0	20.31	-8	10.16	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20450	829	1	0	21.81	-8	11.66	38.5	Pass
			1	24	22.19	-8	12.04	38.5	Pass
			1	49	22.15	-8	12.00	38.5	Pass
			25	0	21.12	-8	10.97	38.5	Pass
			25	12	21.12	-8	10.97	38.5	Pass
			25	25	21.21	-8	11.06	38.5	Pass
			50	0	21.09	-8	10.94	38.5	Pass
	20525	836.5	1	0	22.29	-8	12.14	38.5	Pass
			1	24	21.82	-8	11.67	38.5	Pass
			1	49	22.10	-8	11.95	38.5	Pass
			25	0	21.16	-8	11.01	38.5	Pass
			25	12	21.16	-8	11.01	38.5	Pass
			25	25	21.06	-8	10.91	38.5	Pass
			50	0	21.03	-8	10.88	38.5	Pass
	20600	844	1	0	21.83	-8	11.68	38.5	Pass
			1	24	22.41	-8	12.26	38.5	Pass
			1	49	21.75	-8	11.60	38.5	Pass
			25	0	21.01	-8	10.86	38.5	Pass
			25	12	21.02	-8	10.87	38.5	Pass
			25	25	21.19	-8	11.04	38.5	Pass
			50	0	21.10	-8	10.95	38.5	Pass
16QAM	20450	829	1	0	20.59	-8	10.44	38.5	Pass
			1	24	21.08	-8	10.93	38.5	Pass
			1	49	21.03	-8	10.88	38.5	Pass
			25	0	20.28	-8	10.13	38.5	Pass
			25	12	20.17	-8	10.02	38.5	Pass
			25	25	20.26	-8	10.11	38.5	Pass
			50	0	20.14	-8	9.99	38.5	Pass
	20525	836.5	1	0	21.38	-8	11.23	38.5	Pass
			1	24	21.37	-8	11.22	38.5	Pass
			1	49	21.67	-8	11.52	38.5	Pass
			25	0	20.23	-8	10.08	38.5	Pass
			25	12	20.22	-8	10.07	38.5	Pass
			25	25	20.05	-8	9.90	38.5	Pass
			50	0	20.09	-8	9.94	38.5	Pass
	20600	844	1	0	21.19	-8	11.04	38.5	Pass
			1	24	21.53	-8	11.38	38.5	Pass
			1	49	21.18	-8	11.03	38.5	Pass
			25	0	20.03	-8	9.88	38.5	Pass
			25	12	20.05	-8	9.90	38.5	Pass
			25	25	20.07	-8	9.92	38.5	Pass
			50	0	20.27	-8	10.12	38.5	Pass

LTE Band 12 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23017	699.7	1	0	21.44	-12	7.29	34.77	Pass
			1	3	21.70	-12	7.55	34.77	Pass
			1	5	21.48	-12	7.33	34.77	Pass
			3	0	21.58	-12	7.43	34.77	Pass
			3	2	21.60	-12	7.45	34.77	Pass
			3	3	21.51	-12	7.36	34.77	Pass
			6	0	20.62	-12	6.47	34.77	Pass
	23095	707.5	1	0	21.57	-12	7.42	34.77	Pass
			1	3	21.53	-12	7.38	34.77	Pass
			1	5	21.71	-12	7.56	34.77	Pass
			3	0	21.58	-12	7.43	34.77	Pass
			3	2	21.62	-12	7.47	34.77	Pass
			3	3	21.53	-12	7.38	34.77	Pass
			6	0	20.72	-12	6.57	34.77	Pass
	23173	715.3	1	0	21.60	-12	7.45	34.77	Pass
			1	3	21.62	-12	7.47	34.77	Pass
			1	5	21.58	-12	7.43	34.77	Pass
			3	0	21.47	-12	7.32	34.77	Pass
			3	2	21.49	-12	7.34	34.77	Pass
			3	3	21.61	-12	7.46	34.77	Pass
			6	0	20.62	-12	6.47	34.77	Pass
16QAM	23017	699.7	1	0	20.63	-12	6.48	34.77	Pass
			1	3	20.51	-12	6.36	34.77	Pass
			1	5	20.50	-12	6.35	34.77	Pass
			3	0	20.45	-12	6.30	34.77	Pass
			3	2	20.47	-12	6.32	34.77	Pass
			3	3	20.41	-12	6.26	34.77	Pass
			6	0	19.73	-12	5.58	34.77	Pass
	23095	707.5	1	0	20.55	-12	6.40	34.77	Pass
			1	3	20.89	-12	6.74	34.77	Pass
			1	5	20.90	-12	6.75	34.77	Pass
			3	0	20.49	-12	6.34	34.77	Pass
			3	2	20.44	-12	6.29	34.77	Pass
			3	3	20.63	-12	6.48	34.77	Pass
			6	0	19.92	-12	5.77	34.77	Pass
	23173	715.3	1	0	20.55	-12	6.40	34.77	Pass
			1	3	20.54	-12	6.39	34.77	Pass
			1	5	20.61	-12	6.46	34.77	Pass
			3	0	20.52	-12	6.37	34.77	Pass
			3	2	20.72	-12	6.57	34.77	Pass
			3	3	20.75	-12	6.60	34.77	Pass
			6	0	19.43	-12	5.28	34.77	Pass

LTE Band 12 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23025	700.5	1	0	21.33	-12	7.18	34.77	Pass
			1	7	21.34	-12	7.19	34.77	Pass
			1	14	21.57	-12	7.42	34.77	Pass
			8	0	20.58	-12	6.43	34.77	Pass
			8	4	20.63	-12	6.48	34.77	Pass
			8	7	20.58	-12	6.43	34.77	Pass
			15	0	20.67	-12	6.52	34.77	Pass
	23095	707.5	1	0	21.92	-12	7.77	34.77	Pass
			1	7	21.66	-12	7.51	34.77	Pass
			1	14	21.64	-12	7.49	34.77	Pass
			8	0	20.77	-12	6.62	34.77	Pass
			8	4	20.75	-12	6.60	34.77	Pass
			8	7	20.66	-12	6.51	34.77	Pass
			15	0	20.77	-12	6.62	34.77	Pass
	23165	714.5	1	0	21.81	-12	7.66	34.77	Pass
			1	7	21.65	-12	7.50	34.77	Pass
			1	14	21.60	-12	7.45	34.77	Pass
			8	0	20.71	-12	6.56	34.77	Pass
			8	4	20.71	-12	6.56	34.77	Pass
			8	7	20.77	-12	6.62	34.77	Pass
			15	0	20.67	-12	6.52	34.77	Pass
16QAM	23025	700.5	1	0	20.76	-12	6.61	34.77	Pass
			1	7	20.37	-12	6.22	34.77	Pass
			1	14	20.80	-12	6.65	34.77	Pass
			8	0	19.62	-12	5.47	34.77	Pass
			8	4	19.68	-12	5.53	34.77	Pass
			8	7	19.82	-12	5.67	34.77	Pass
			15	0	19.79	-12	5.64	34.77	Pass
	23095	707.5	1	0	20.80	-12	6.65	34.77	Pass
			1	7	20.76	-12	6.61	34.77	Pass
			1	14	20.49	-12	6.34	34.77	Pass
			8	0	19.78	-12	5.63	34.77	Pass
			8	4	19.76	-12	5.61	34.77	Pass
			8	7	19.88	-12	5.73	34.77	Pass
			15	0	19.72	-12	5.57	34.77	Pass
	23165	714.5	1	0	21.35	-12	7.20	34.77	Pass
			1	7	20.84	-12	6.69	34.77	Pass
			1	14	21.15	-12	7.00	34.77	Pass
			8	0	19.84	-12	5.69	34.77	Pass
			8	4	19.84	-12	5.69	34.77	Pass
			8	7	19.74	-12	5.59	34.77	Pass
			15	0	19.65	-12	5.50	34.77	Pass

LTE Band 12 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23035	701.5	1	0	21.69	-12	7.54	34.77	Pass
			1	12	21.68	-12	7.53	34.77	Pass
			1	24	21.68	-12	7.53	34.77	Pass
			12	0	20.55	-12	6.40	34.77	Pass
			12	6	20.59	-12	6.44	34.77	Pass
			12	13	20.56	-12	6.41	34.77	Pass
			25	0	20.70	-12	6.55	34.77	Pass
	23095	707.5	1	0	21.76	-12	7.61	34.77	Pass
			1	12	21.81	-12	7.66	34.77	Pass
			1	24	21.47	-12	7.32	34.77	Pass
			12	0	20.87	-12	6.72	34.77	Pass
			12	6	20.85	-12	6.70	34.77	Pass
			12	13	20.72	-12	6.57	34.77	Pass
			25	0	20.79	-12	6.64	34.77	Pass
	23155	713.5	1	0	21.66	-12	7.51	34.77	Pass
			1	12	21.51	-12	7.36	34.77	Pass
			1	24	21.53	-12	7.38	34.77	Pass
			12	0	20.59	-12	6.44	34.77	Pass
			12	6	20.83	-12	6.68	34.77	Pass
			12	13	20.68	-12	6.53	34.77	Pass
			25	0	20.57	-12	6.42	34.77	Pass
16QAM	23035	701.5	1	0	20.64	-12	6.49	34.77	Pass
			1	12	20.47	-12	6.32	34.77	Pass
			1	24	20.21	-12	6.06	34.77	Pass
			12	0	19.55	-12	5.40	34.77	Pass
			12	6	19.50	-12	5.35	34.77	Pass
			12	13	19.57	-12	5.42	34.77	Pass
			25	0	19.72	-12	5.57	34.77	Pass
	23095	707.5	1	0	20.66	-12	6.51	34.77	Pass
			1	12	20.68	-12	6.53	34.77	Pass
			1	24	20.56	-12	6.41	34.77	Pass
			12	0	19.95	-12	5.80	34.77	Pass
			12	6	19.94	-12	5.79	34.77	Pass
			12	13	19.75	-12	5.60	34.77	Pass
			25	0	19.71	-12	5.56	34.77	Pass
	23155	713.5	1	0	20.59	-12	6.44	34.77	Pass
			1	12	20.65	-12	6.50	34.77	Pass
			1	24	20.71	-12	6.56	34.77	Pass
			12	0	19.56	-12	5.41	34.77	Pass
			12	6	19.56	-12	5.41	34.77	Pass
			12	13	19.62	-12	5.47	34.77	Pass
			25	0	19.66	-12	5.51	34.77	Pass

LTE Band 12 ,Channel Bandwidth: 10 MHz										
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict	
			Size	Offset						
QPSK	23060	704	1	0	21.59	-12	7.44	34.77	Pass	
			1	24	21.47	-12	7.32	34.77	Pass	
			1	49	21.49	-12	7.34	34.77	Pass	
			25	0	20.49	-12	6.34	34.77	Pass	
			25	12	20.56	-12	6.41	34.77	Pass	
			25	25	20.71	-12	6.56	34.77	Pass	
			50	0	20.80	-12	6.65	34.77	Pass	
	23095	707.5	1	0	21.54	-12	7.39	34.77	Pass	
			1	24	21.55	-12	7.40	34.77	Pass	
			1	49	21.41	-12	7.26	34.77	Pass	
			25	0	20.87	-12	6.72	34.77	Pass	
			25	12	20.86	-12	6.71	34.77	Pass	
			25	25	20.62	-12	6.47	34.77	Pass	
			50	0	20.71	-12	6.56	34.77	Pass	
	23130	711	1	0	21.94	-12	7.79	34.77	Pass	
			1	24	21.70	-12	7.55	34.77	Pass	
			1	49	21.62	-12	7.47	34.77	Pass	
			25	0	20.76	-12	6.61	34.77	Pass	
			25	12	20.84	-12	6.69	34.77	Pass	
			25	25	20.74	-12	6.59	34.77	Pass	
			50	0	20.64	-12	6.49	34.77	Pass	
	16QAM	23060	704	1	0	20.46	-12	6.31	34.77	Pass
				1	24	20.73	-12	6.58	34.77	Pass
				1	49	20.52	-12	6.37	34.77	Pass
25				0	19.47	-12	5.32	34.77	Pass	
25				12	19.53	-12	5.38	34.77	Pass	
25				25	19.70	-12	5.55	34.77	Pass	
50				0	19.57	-12	5.42	34.77	Pass	
23095		707.5	1	0	20.64	-12	6.49	34.77	Pass	
			1	24	20.68	-12	6.53	34.77	Pass	
			1	49	20.44	-12	6.29	34.77	Pass	
			25	0	19.74	-12	5.59	34.77	Pass	
			25	12	19.90	-12	5.75	34.77	Pass	
			25	25	19.67	-12	5.52	34.77	Pass	
			50	0	19.86	-12	5.71	34.77	Pass	
23130		711	1	0	21.08	-12	6.93	34.77	Pass	
			1	24	21.30	-12	7.15	34.77	Pass	
			1	49	21.11	-12	6.96	34.77	Pass	
			25	0	19.93	-12	5.78	34.77	Pass	
			25	12	19.80	-12	5.65	34.77	Pass	
			25	25	19.80	-12	5.65	34.77	Pass	
			50	0	19.79	-12	5.64	34.77	Pass	

LTE Band 13 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23205	779.5	1	0	21.99	-9	10.84	34.77	Pass
			1	12	21.97	-9	10.82	34.77	Pass
			1	24	22.11	-9	10.96	34.77	Pass
			12	0	20.86	-9	9.71	34.77	Pass
			12	6	20.85	-9	9.70	34.77	Pass
			12	13	20.93	-9	9.78	34.77	Pass
			25	0	20.91	-9	9.76	34.77	Pass
	23230	782	1	0	21.92	-9	10.77	34.77	Pass
			1	12	21.92	-9	10.77	34.77	Pass
			1	24	21.60	-9	10.45	34.77	Pass
			12	0	20.99	-9	9.84	34.77	Pass
			12	6	20.99	-9	9.84	34.77	Pass
			12	13	20.98	-9	9.83	34.77	Pass
			25	0	20.98	-9	9.83	34.77	Pass
	23255	784.5	1	0	21.90	-9	10.75	34.77	Pass
			1	12	21.76	-9	10.61	34.77	Pass
			1	24	21.51	-9	10.36	34.77	Pass
			12	0	20.98	-9	9.83	34.77	Pass
			12	6	20.89	-9	9.74	34.77	Pass
			12	13	20.78	-9	9.63	34.77	Pass
			25	0	20.84	-9	9.69	34.77	Pass
16QAM	23205	779.5	1	0	21.13	-9	9.98	34.77	Pass
			1	12	20.75	-9	9.60	34.77	Pass
			1	24	20.90	-9	9.75	34.77	Pass
			12	0	19.85	-9	8.70	34.77	Pass
			12	6	20.03	-9	8.88	34.77	Pass
			12	13	20.13	-9	8.98	34.77	Pass
			25	0	19.92	-9	8.77	34.77	Pass
	23230	782	1	0	20.96	-9	9.81	34.77	Pass
			1	12	20.98	-9	9.83	34.77	Pass
			1	24	21.43	-9	10.28	34.77	Pass
			12	0	19.94	-9	8.79	34.77	Pass
			12	6	19.85	-9	8.70	34.77	Pass
			12	13	20.03	-9	8.88	34.77	Pass
			25	0	20.06	-9	8.91	34.77	Pass
	23255	784.5	1	0	20.71	-9	9.56	34.77	Pass
			1	12	20.82	-9	9.67	34.77	Pass
			1	24	20.60	-9	9.45	34.77	Pass
			12	0	20.00	-9	8.85	34.77	Pass
			12	6	20.02	-9	8.87	34.77	Pass
			12	13	19.82	-9	8.67	34.77	Pass
			25	0	19.89	-9	8.74	34.77	Pass

LTE Band 13 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	23230	782	1	0	21.59	-9	10.44	34.77	Pass
			1	24	21.55	-9	10.40	34.77	Pass
			1	49	21.49	-9	10.34	34.77	Pass
			25	0	20.90	-9	9.75	34.77	Pass
			25	12	20.75	-9	9.60	34.77	Pass
			25	25	20.67	-9	9.52	34.77	Pass
			50	0	20.85	-9	9.70	34.77	Pass
16QAM	23230	782	1	0	20.83	-9	9.68	34.77	Pass
			1	24	20.82	-9	9.67	34.77	Pass
			1	49	20.46	-9	9.31	34.77	Pass
			25	0	19.66	-9	8.51	34.77	Pass
			25	12	19.83	-9	8.68	34.77	Pass
			25	25	19.66	-9	8.51	34.77	Pass
			50	0	19.75	-9	8.60	34.77	Pass

LTE Band 25 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26047	1850.7	1	0	21.80	-7	14.80	33	Pass
			1	3	21.87	-7	14.87	33	Pass
			1	5	21.71	-7	14.71	33	Pass
			3	0	21.95	-7	14.95	33	Pass
			3	2	21.84	-7	14.84	33	Pass
			3	3	21.85	-7	14.85	33	Pass
			6	0	20.90	-7	13.90	33	Pass
	26365	1882,5	1	0	21.75	-7	14.75	33	Pass
			1	3	21.77	-7	14.77	33	Pass
			1	5	21.64	-7	14.64	33	Pass
			3	0	21.85	-7	14.85	33	Pass
			3	2	21.92	-7	14.92	33	Pass
			3	3	21.74	-7	14.74	33	Pass
			6	0	20.82	-7	13.82	33	Pass
	26683	1914.3	1	0	21.64	-7	14.64	33	Pass
			1	3	21.65	-7	14.65	33	Pass
			1	5	21.62	-7	14.62	33	Pass
			3	0	21.76	-7	14.76	33	Pass
			3	2	21.83	-7	14.83	33	Pass
			3	3	21.58	-7	14.58	33	Pass
			6	0	20.70	-7	13.70	33	Pass
16QAM	26047	1850.7	1	0	20.74	-7	13.74	33	Pass
			1	3	21.21	-7	14.21	33	Pass
			1	5	20.84	-7	13.84	33	Pass
			3	0	20.62	-7	13.62	33	Pass
			3	2	20.63	-7	13.63	33	Pass
			3	3	20.61	-7	13.61	33	Pass
			6	0	19.89	-7	12.89	33	Pass
	26365	1882,5	1	0	21.02	-7	14.02	33	Pass
			1	3	21.32	-7	14.32	33	Pass
			1	5	21.28	-7	14.28	33	Pass
			3	0	20.78	-7	13.78	33	Pass
			3	2	20.50	-7	13.50	33	Pass
			3	3	20.63	-7	13.63	33	Pass
			6	0	19.76	-7	12.76	33	Pass
	26683	1914.3	1	0	20.65	-7	13.65	33	Pass
			1	3	20.65	-7	13.65	33	Pass
			1	5	20.73	-7	13.73	33	Pass
			3	0	20.69	-7	13.69	33	Pass
			3	2	20.68	-7	13.68	33	Pass
			3	3	20.52	-7	13.52	33	Pass
			6	0	19.98	-7	12.98	33	Pass

LTE Band 25 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26055	1851.5	1	0	21.69	-7	14.69	33	Pass
			1	7	21.56	-7	14.56	33	Pass
			1	14	21.88	-7	14.88	33	Pass
			8	0	20.77	-7	13.77	33	Pass
			8	4	20.83	-7	13.83	33	Pass
			8	7	20.75	-7	13.75	33	Pass
			15	0	20.73	-7	13.73	33	Pass
	26365	1882,5	1	0	21.61	-7	14.61	33	Pass
			1	7	21.72	-7	14.72	33	Pass
			1	14	21.81	-7	14.81	33	Pass
			8	0	20.62	-7	13.62	33	Pass
			8	4	20.61	-7	13.61	33	Pass
			8	7	20.67	-7	13.67	33	Pass
			15	0	20.67	-7	13.67	33	Pass
	26675	1913.5	1	0	21.80	-7	14.80	33	Pass
			1	7	21.70	-7	14.70	33	Pass
			1	14	21.90	-7	14.90	33	Pass
			8	0	20.82	-7	13.82	33	Pass
			8	4	20.81	-7	13.81	33	Pass
			8	7	20.85	-7	13.85	33	Pass
			15	0	20.80	-7	13.80	33	Pass
16QAM	26055	1851.5	1	0	20.77	-7	13.77	33	Pass
			1	7	20.57	-7	13.57	33	Pass
			1	14	20.58	-7	13.58	33	Pass
			8	0	19.46	-7	12.46	33	Pass
			8	4	19.83	-7	12.83	33	Pass
			8	7	19.75	-7	12.75	33	Pass
			15	0	19.77	-7	12.77	33	Pass
	26365	1882,5	1	0	20.73	-7	13.73	33	Pass
			1	7	20.57	-7	13.57	33	Pass
			1	14	20.63	-7	13.63	33	Pass
			8	0	19.73	-7	12.73	33	Pass
			8	4	19.81	-7	12.81	33	Pass
			8	7	19.68	-7	12.68	33	Pass
			15	0	19.60	-7	12.60	33	Pass
	26675	1913.5	1	0	21.05	-7	14.05	33	Pass
			1	7	21.04	-7	14.04	33	Pass
			1	14	21.29	-7	14.29	33	Pass
			8	0	19.73	-7	12.73	33	Pass
			8	4	19.71	-7	12.71	33	Pass
			8	7	19.87	-7	12.87	33	Pass
			15	0	19.96	-7	12.96	33	Pass

LTE Band 25 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26065	1852.5	1	0	21.86	-7	14.86	33	Pass
			1	12	21.66	-7	14.66	33	Pass
			1	24	21.66	-7	14.66	33	Pass
			12	0	20.74	-7	13.74	33	Pass
			12	6	20.78	-7	13.78	33	Pass
			12	13	20.79	-7	13.79	33	Pass
			25	0	20.76	-7	13.76	33	Pass
	26365	1882,5	1	0	21.66	-7	14.66	33	Pass
			1	12	21.56	-7	14.56	33	Pass
			1	24	21.64	-7	14.64	33	Pass
			12	0	20.61	-7	13.61	33	Pass
			12	6	20.60	-7	13.60	33	Pass
			12	13	20.64	-7	13.64	33	Pass
			25	0	20.59	-7	13.59	33	Pass
	26665	1912.5	1	0	21.63	-7	14.63	33	Pass
			1	12	21.74	-7	14.74	33	Pass
			1	24	21.92	-7	14.92	33	Pass
			12	0	20.82	-7	13.82	33	Pass
			12	6	20.84	-7	13.84	33	Pass
			12	13	20.83	-7	13.83	33	Pass
			25	0	20.80	-7	13.80	33	Pass
16QAM	26065	1852.5	1	0	20.73	-7	13.73	33	Pass
			1	12	20.59	-7	13.59	33	Pass
			1	24	20.69	-7	13.69	33	Pass
			12	0	19.69	-7	12.69	33	Pass
			12	6	19.74	-7	12.74	33	Pass
			12	13	19.76	-7	12.76	33	Pass
			25	0	19.85	-7	12.85	33	Pass
	26365	1882,5	1	0	20.73	-7	13.73	33	Pass
			1	12	20.46	-7	13.46	33	Pass
			1	24	20.71	-7	13.71	33	Pass
			12	0	19.69	-7	12.69	33	Pass
			12	6	19.68	-7	12.68	33	Pass
			12	13	19.72	-7	12.72	33	Pass
			25	0	19.59	-7	12.59	33	Pass
	26665	1912.5	1	0	20.62	-7	13.62	33	Pass
			1	12	20.74	-7	13.74	33	Pass
			1	24	20.98	-7	13.98	33	Pass
			12	0	19.47	-7	12.47	33	Pass
			12	6	19.86	-7	12.86	33	Pass
			12	13	19.75	-7	12.75	33	Pass
			25	0	19.86	-7	12.86	33	Pass

LTE Band 25 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26090	1855	1	0	21.83	-7	14.83	33	Pass
			1	24	21.61	-7	14.61	33	Pass
			1	49	21.56	-7	14.56	33	Pass
			25	0	20.80	-7	13.80	33	Pass
			25	12	20.83	-7	13.83	33	Pass
			25	25	20.80	-7	13.80	33	Pass
			50	0	20.80	-7	13.80	33	Pass
	26365	1882,5	1	0	21.64	-7	14.64	33	Pass
			1	24	21.83	-7	14.83	33	Pass
			1	49	21.65	-7	14.65	33	Pass
			25	0	20.72	-7	13.72	33	Pass
			25	12	20.70	-7	13.70	33	Pass
			25	25	20.77	-7	13.77	33	Pass
			50	0	20.69	-7	13.69	33	Pass
	26640	1910	1	0	21.72	-7	14.72	33	Pass
			1	24	21.94	-7	14.94	33	Pass
			1	49	21.49	-7	14.49	33	Pass
			25	0	20.74	-7	13.74	33	Pass
			25	12	20.78	-7	13.78	33	Pass
			25	25	20.73	-7	13.73	33	Pass
			50	0	20.76	-7	13.76	33	Pass
16QAM	26090	1855	1	0	20.41	-7	13.41	33	Pass
			1	24	20.41	-7	13.41	33	Pass
			1	49	20.71	-7	13.71	33	Pass
			25	0	19.74	-7	12.74	33	Pass
			25	12	19.78	-7	12.78	33	Pass
			25	25	19.79	-7	12.79	33	Pass
			50	0	19.87	-7	12.87	33	Pass
	26365	1882,5	1	0	20.88	-7	13.88	33	Pass
			1	24	20.99	-7	13.99	33	Pass
			1	49	20.65	-7	13.65	33	Pass
			25	0	19.75	-7	12.75	33	Pass
			25	12	19.63	-7	12.63	33	Pass
			25	25	19.91	-7	12.91	33	Pass
			50	0	19.63	-7	12.63	33	Pass
	26640	1910	1	0	21.25	-7	14.25	33	Pass
			1	24	21.03	-7	14.03	33	Pass
			1	49	21.41	-7	14.41	33	Pass
			25	0	19.82	-7	12.82	33	Pass
			25	12	19.74	-7	12.74	33	Pass
			25	25	19.67	-7	12.67	33	Pass
			50	0	19.71	-7	12.71	33	Pass

LTE Band 25 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26115	1857.5	1	0	21.58	-7	14.58	33	Pass
			1	37	20.66	-7	13.66	33	Pass
			1	74	21.51	-7	14.51	33	Pass
			37	0	20.67	-7	13.67	33	Pass
			37	18	20.75	-7	13.75	33	Pass
			37	38	20.56	-7	13.56	33	Pass
			75	0	20.62	-7	13.62	33	Pass
	26365	1882,5	1	0	21.47	-7	14.47	33	Pass
			1	37	21.49	-7	14.49	33	Pass
			1	74	21.30	-7	14.30	33	Pass
			37	0	20.38	-7	13.38	33	Pass
			37	18	21.27	-7	14.27	33	Pass
			37	38	20.32	-7	13.32	33	Pass
			75	0	20.43	-7	13.43	33	Pass
	26615	1907.5	1	0	21.39	-7	14.39	33	Pass
			1	37	21.29	-7	14.29	33	Pass
			1	74	21.55	-7	14.55	33	Pass
			37	0	20.91	-7	13.91	33	Pass
			37	18	21.30	-7	14.30	33	Pass
			37	38	20.81	-7	13.81	33	Pass
			75	0	20.38	-7	13.38	33	Pass
16QAM	26115	1857.5	1	0	20.55	-7	13.55	33	Pass
			1	37	21.12	-7	14.12	33	Pass
			1	74	20.69	-7	13.69	33	Pass
			37	0	20.72	-7	13.72	33	Pass
			37	18	20.73	-7	13.73	33	Pass
			37	38	20.66	-7	13.66	33	Pass
			75	0	19.56	-7	12.56	33	Pass
	26365	1882,5	1	0	20.34	-7	13.34	33	Pass
			1	37	20.45	-7	13.45	33	Pass
			1	74	21.12	-7	14.12	33	Pass
			37	0	20.33	-7	13.33	33	Pass
			37	18	20.50	-7	13.50	33	Pass
			37	38	21.15	-7	14.15	33	Pass
			75	0	19.38	-7	12.38	33	Pass
	26615	1907.5	1	0	21.20	-7	14.20	33	Pass
			1	37	21.26	-7	14.26	33	Pass
			1	74	20.69	-7	13.69	33	Pass
			37	0	21.30	-7	14.30	33	Pass
			37	18	21.27	-7	14.27	33	Pass
			37	38	20.40	-7	13.40	33	Pass
			75	0	19.56	-7	12.56	33	Pass

LTE Band 25 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26140	1860	1	0	21.50	-7	14.50	33	Pass
			1	49	21.33	-7	14.33	33	Pass
			1	99	21.40	-7	14.40	33	Pass
			50	0	20.56	-7	13.56	33	Pass
			50	25	20.55	-7	13.55	33	Pass
			50	50	20.71	-7	13.71	33	Pass
			100	0	20.51	-7	13.51	33	Pass
	26365	1880	1	0	21.52	-7	14.52	33	Pass
			1	49	21.45	-7	14.45	33	Pass
			1	99	21.87	-7	14.87	33	Pass
			50	0	20.60	-7	13.60	33	Pass
			50	25	20.53	-7	13.53	33	Pass
			50	50	20.50	-7	13.50	33	Pass
			100	0	20.43	-7	13.43	33	Pass
	26590	1905	1	0	21.43	-7	14.43	33	Pass
			1	49	22.10	-7	15.10	33	Pass
			1	99	21.73	-7	14.73	33	Pass
			50	0	20.58	-7	13.58	33	Pass
			50	25	20.54	-7	13.54	33	Pass
			50	50	20.59	-7	13.59	33	Pass
			100	0	20.46	-7	13.46	33	Pass
16QAM	26140	1860	1	0	20.49	-7	13.49	33	Pass
			1	49	20.31	-7	13.31	33	Pass
			1	99	20.52	-7	13.52	33	Pass
			50	0	19.54	-7	12.54	33	Pass
			50	25	19.59	-7	12.59	33	Pass
			50	50	19.66	-7	12.66	33	Pass
			100	0	19.53	-7	12.53	33	Pass
	26365	1880	1	0	20.41	-7	13.41	33	Pass
			1	49	20.61	-7	13.61	33	Pass
			1	99	20.22	-7	13.22	33	Pass
			50	0	19.54	-7	12.54	33	Pass
			50	25	19.52	-7	12.52	33	Pass
			50	50	19.45	-7	12.45	33	Pass
			100	0	19.44	-7	12.44	33	Pass
	26590	1905	1	0	20.19	-7	13.19	33	Pass
			1	49	20.65	-7	13.65	33	Pass
			1	99	20.41	-7	13.41	33	Pass
			50	0	19.55	-7	12.55	33	Pass
			50	25	19.57	-7	12.57	33	Pass
			50	50	19.51	-7	12.51	33	Pass
			100	0	19.58	-7	12.58	33	Pass

LTE Band 26 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26697	814.7	1	0	21.74	-8	11.59	50	Pass
			1	3	21.86	-8	11.71	50	Pass
			1	5	21.82	-8	11.67	50	Pass
			3	0	21.92	-8	11.77	50	Pass
			3	2	21.92	-8	11.77	50	Pass
			3	3	22.11	-8	11.96	50	Pass
			6	0	21.01	-8	10.86	50	Pass
	26740	819	1	0	21.94	-8	11.79	50	Pass
			1	3	21.86	-8	11.71	50	Pass
			1	5	21.78	-8	11.63	50	Pass
			3	0	22.11	-8	11.96	50	Pass
			3	2	21.97	-8	11.82	50	Pass
			3	3	22.08	-8	11.93	50	Pass
			6	0	21.03	-8	10.88	50	Pass
	26783	823.3	1	0	21.98	-8	11.83	50	Pass
			1	3	21.98	-8	11.83	50	Pass
			1	5	21.74	-8	11.59	50	Pass
			3	0	22.02	-8	11.87	50	Pass
			3	2	22.11	-8	11.96	50	Pass
			3	3	21.95	-8	11.80	50	Pass
			6	0	20.97	-8	10.82	50	Pass
16QAM	26697	814.7	1	0	20.73	-8	10.58	50	Pass
			1	3	20.55	-8	10.40	50	Pass
			1	5	20.91	-8	10.76	50	Pass
			3	0	21.04	-8	10.89	50	Pass
			3	2	20.99	-8	10.84	50	Pass
			3	3	20.99	-8	10.84	50	Pass
			6	0	19.91	-8	9.76	50	Pass
	26740	819	1	0	21.51	-8	11.36	50	Pass
			1	3	21.47	-8	11.32	50	Pass
			1	5	21.37	-8	11.22	50	Pass
			3	0	20.82	-8	10.67	50	Pass
			3	2	20.79	-8	10.64	50	Pass
			3	3	20.62	-8	10.47	50	Pass
			6	0	20.28	-8	10.13	50	Pass
	26783	823.3	1	0	20.86	-8	10.71	50	Pass
			1	3	21.00	-8	10.85	50	Pass
			1	5	20.69	-8	10.54	50	Pass
			3	0	20.74	-8	10.59	50	Pass
			3	2	20.74	-8	10.59	50	Pass
			3	3	20.58	-8	10.43	50	Pass
			6	0	20.08	-8	9.93	50	Pass

LTE Band 26 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26705	815.5	1	0	21.99	-8	11.84	50	Pass
			1	7	22.08	-8	11.93	50	Pass
			1	14	22.05	-8	11.90	50	Pass
			8	0	21.14	-8	10.99	50	Pass
			8	4	21.03	-8	10.88	50	Pass
			8	7	21.12	-8	10.97	50	Pass
			15	0	20.93	-8	10.78	50	Pass
	26740	819	1	0	21.96	-8	11.81	50	Pass
			1	7	21.91	-8	11.76	50	Pass
			1	14	21.73	-8	11.58	50	Pass
			8	0	21.02	-8	10.87	50	Pass
			8	4	20.98	-8	10.83	50	Pass
			8	7	20.91	-8	10.76	50	Pass
			15	0	21.02	-8	10.87	50	Pass
	26775	822.5	1	0	22.09	-8	11.94	50	Pass
			1	7	21.79	-8	11.64	50	Pass
			1	14	22.11	-8	11.96	50	Pass
			8	0	21.04	-8	10.89	50	Pass
			8	4	20.84	-8	10.69	50	Pass
			8	7	20.85	-8	10.70	50	Pass
			15	0	20.88	-8	10.73	50	Pass
16QAM	26705	815.5	1	0	20.85	-8	10.70	50	Pass
			1	7	20.52	-8	10.37	50	Pass
			1	14	20.91	-8	10.76	50	Pass
			8	0	19.99	-8	9.84	50	Pass
			8	4	20.16	-8	10.01	50	Pass
			8	7	20.02	-8	9.87	50	Pass
			15	0	19.85	-8	9.70	50	Pass
	26740	819	1	0	20.97	-8	10.82	50	Pass
			1	7	20.62	-8	10.47	50	Pass
			1	14	20.56	-8	10.41	50	Pass
			8	0	20.14	-8	9.99	50	Pass
			8	4	20.10	-8	9.95	50	Pass
			8	7	19.87	-8	9.72	50	Pass
			15	0	19.96	-8	9.81	50	Pass
	26775	822.5	1	0	20.82	-8	10.67	50	Pass
			1	7	21.46	-8	11.31	50	Pass
			1	14	21.54	-8	11.39	50	Pass
			8	0	19.89	-8	9.74	50	Pass
			8	4	19.72	-8	9.57	50	Pass
			8	7	20.00	-8	9.85	50	Pass
			15	0	19.82	-8	9.67	50	Pass

LTE Band 26 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26715	816.5	1	0	21.91	-8	11.76	50	Pass
			1	12	22.01	-8	11.86	50	Pass
			1	24	22.00	-8	11.85	50	Pass
			12	0	21.04	-8	10.89	50	Pass
			12	6	20.99	-8	10.84	50	Pass
			12	13	21.00	-8	10.85	50	Pass
			25	0	21.01	-8	10.86	50	Pass
	26740	819	1	0	21.99	-8	11.84	50	Pass
			1	12	21.88	-8	11.73	50	Pass
			1	24	21.83	-8	11.68	50	Pass
			12	0	21.10	-8	10.95	50	Pass
			12	6	21.08	-8	10.93	50	Pass
			12	13	20.95	-8	10.80	50	Pass
			25	0	21.07	-8	10.92	50	Pass
	26765	821.5	1	0	22.01	-8	11.86	50	Pass
			1	12	21.97	-8	11.82	50	Pass
			1	24	22.02	-8	11.87	50	Pass
			12	0	20.98	-8	10.83	50	Pass
			12	6	20.90	-8	10.75	50	Pass
			12	13	20.94	-8	10.79	50	Pass
			25	0	21.01	-8	10.86	50	Pass
16QAM	26715	816.5	1	0	20.96	-8	10.81	50	Pass
			1	12	20.90	-8	10.75	50	Pass
			1	24	20.93	-8	10.78	50	Pass
			12	0	20.10	-8	9.95	50	Pass
			12	6	20.06	-8	9.91	50	Pass
			12	13	20.09	-8	9.94	50	Pass
			25	0	19.90	-8	9.75	50	Pass
	26740	819	1	0	21.02	-8	10.87	50	Pass
			1	12	20.90	-8	10.75	50	Pass
			1	24	20.90	-8	10.75	50	Pass
			12	0	20.05	-8	9.90	50	Pass
			12	6	20.03	-8	9.88	50	Pass
			12	13	19.74	-8	9.59	50	Pass
			25	0	20.16	-8	10.01	50	Pass
	26765	821.5	1	0	20.76	-8	10.61	50	Pass
			1	12	20.99	-8	10.84	50	Pass
			1	24	20.93	-8	10.78	50	Pass
			12	0	19.94	-8	9.79	50	Pass
			12	6	19.85	-8	9.70	50	Pass
			12	13	20.06	-8	9.91	50	Pass
			25	0	20.05	-8	9.90	50	Pass

LTE Band 26 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	26740	819	1	0	21.75	-1.6	18.00	50	Pass
			1	24	21.63	-1.6	17.88	50	Pass
			1	49	21.78	-1.6	18.03	50	Pass
			25	0	20.93	-1.6	17.18	50	Pass
			25	12	20.94	-1.6	17.19	50	Pass
			25	25	20.94	-1.6	17.19	50	Pass
			50	0	20.96	-1.6	17.21	50	Pass
16QAM	26740	819	1	0	20.73	-1.6	16.98	50	Pass
			1	24	21.05	-1.6	17.30	50	Pass
			1	49	21.09	-1.6	17.34	50	Pass
			25	0	19.98	-1.6	16.23	50	Pass
			25	12	20.00	-1.6	16.25	50	Pass
			25	25	19.93	-1.6	16.18	50	Pass
			50	0	19.96	-1.6	16.21	50	Pass

LTE Band 41 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40265	2557.5	1	0	21.78	-7	14.78	33	Pass
			1	12	21.69	-7	14.69	33	Pass
			1	24	21.65	-7	14.65	33	Pass
			12	0	20.80	-7	13.80	33	Pass
			12	6	20.79	-7	13.79	33	Pass
			12	13	20.71	-7	13.71	33	Pass
			25	0	20.80	-7	13.80	33	Pass
	40740	2605	1	0	21.83	-7	14.83	33	Pass
			1	12	21.80	-7	14.80	33	Pass
			1	24	21.81	-7	14.81	33	Pass
			12	0	20.81	-7	13.81	33	Pass
			12	6	20.87	-7	13.87	33	Pass
			12	13	20.86	-7	13.86	33	Pass
			25	0	20.86	-7	13.86	33	Pass
	41215	2652.5	1	0	21.51	-7	14.51	33	Pass
			1	12	21.51	-7	14.51	33	Pass
			1	24	21.44	-7	14.44	33	Pass
			12	0	20.61	-7	13.61	33	Pass
			12	6	20.62	-7	13.62	33	Pass
			12	13	20.44	-7	13.44	33	Pass
			25	0	20.49	-7	13.49	33	Pass
16QAM	40265	2557.5	1	0	21.05	-7	14.05	33	Pass
			1	12	20.92	-7	13.92	33	Pass
			1	24	20.65	-7	13.65	33	Pass
			12	0	19.68	-7	12.68	33	Pass
			12	6	19.65	-7	12.65	33	Pass
			12	13	19.71	-7	12.71	33	Pass
			25	0	19.70	-7	12.70	33	Pass
	40740	2605	1	0	21.05	-7	14.05	33	Pass
			1	12	20.79	-7	13.79	33	Pass
			1	24	20.72	-7	13.72	33	Pass
			12	0	19.81	-7	12.81	33	Pass
			12	6	19.78	-7	12.78	33	Pass
			12	13	19.87	-7	12.87	33	Pass
			25	0	19.90	-7	12.90	33	Pass
	41215	2652.5	1	0	20.44	-7	13.44	33	Pass
			1	12	20.43	-7	13.43	33	Pass
			1	24	20.17	-7	13.17	33	Pass
			12	0	19.51	-7	12.51	33	Pass
			12	6	19.51	-7	12.51	33	Pass
			12	13	19.45	-7	12.45	33	Pass
			25	0	19.55	-7	12.55	33	Pass

LTE Band 41 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40290	2560	1	0	21.54	-7	14.54	33	Pass
			1	24	21.66	-7	14.66	33	Pass
			1	49	21.78	-7	14.78	33	Pass
			25	0	20.78	-7	13.78	33	Pass
			25	12	20.91	-7	13.91	33	Pass
			25	25	20.86	-7	13.86	33	Pass
			50	0	20.71	-7	13.71	33	Pass
	40740	2605	1	0	21.92	-7	14.92	33	Pass
			1	24	21.98	-7	14.98	33	Pass
			1	49	21.82	-7	14.82	33	Pass
			25	0	21.03	-7	14.03	33	Pass
			25	12	20.93	-7	13.93	33	Pass
			25	25	20.92	-7	13.92	33	Pass
			50	0	20.95	-7	13.95	33	Pass
	41190	2650	1	0	21.76	-7	14.76	33	Pass
			1	24	21.85	-7	14.85	33	Pass
			1	49	21.56	-7	14.56	33	Pass
			25	0	20.72	-7	13.72	33	Pass
			25	12	20.72	-7	13.72	33	Pass
			25	25	20.64	-7	13.64	33	Pass
			50	0	20.78	-7	13.78	33	Pass
16QAM	40290	2560	1	0	20.75	-7	13.75	33	Pass
			1	24	20.81	-7	13.81	33	Pass
			1	49	20.95	-7	13.95	33	Pass
			25	0	19.76	-7	12.76	33	Pass
			25	12	19.73	-7	12.73	33	Pass
			25	25	19.96	-7	12.96	33	Pass
			50	0	19.72	-7	12.72	33	Pass
	40740	2605	1	0	21.17	-7	14.17	33	Pass
			1	24	21.27	-7	14.27	33	Pass
			1	49	20.70	-7	13.70	33	Pass
			25	0	20.10	-7	13.10	33	Pass
			25	12	20.08	-7	13.08	33	Pass
			25	25	20.06	-7	13.06	33	Pass
			50	0	20.01	-7	13.01	33	Pass
	41190	2650	1	0	21.09	-7	14.09	33	Pass
			1	24	21.29	-7	14.29	33	Pass
			1	49	20.43	-7	13.43	33	Pass
			25	0	19.77	-7	12.77	33	Pass
			25	12	19.77	-7	12.77	33	Pass
			25	25	19.48	-7	12.48	33	Pass
			50	0	20.00	-7	13.00	33	Pass

LTE Band 41 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40315	2562.5	1	0	21.54	-7	14.54	33	Pass
			1	37	21.90	-7	14.90	33	Pass
			1	74	21.81	-7	14.81	33	Pass
			37	0	21.02	-7	14.02	33	Pass
			37	18	21.27	-7	14.27	33	Pass
			37	38	20.74	-7	13.74	33	Pass
			75	0	20.68	-7	13.68	33	Pass
	40740	2605	1	0	21.79	-7	14.79	33	Pass
			1	37	22.00	-7	15.00	33	Pass
			1	74	21.66	-7	14.66	33	Pass
			37	0	21.38	-7	14.38	33	Pass
			37	18	20.93	-7	13.93	33	Pass
			37	38	21.41	-7	14.41	33	Pass
			75	0	20.97	-7	13.97	33	Pass
	41165	2647.5	1	0	21.60	-7	14.60	33	Pass
			1	37	21.43	-7	14.43	33	Pass
			1	74	21.50	-7	14.50	33	Pass
			37	0	20.64	-7	13.64	33	Pass
			37	18	20.83	-7	13.83	33	Pass
			37	38	20.36	-7	13.36	33	Pass
			75	0	20.72	-7	13.72	33	Pass
16QAM	40315	2562.5	1	0	21.25	-7	14.25	33	Pass
			1	37	20.78	-7	13.78	33	Pass
			1	74	21.17	-7	14.17	33	Pass
			37	0	21.26	-7	14.26	33	Pass
			37	18	20.71	-7	13.71	33	Pass
			37	38	20.72	-7	13.72	33	Pass
			75	0	19.82	-7	12.82	33	Pass
	40740	2605	1	0	20.85	-7	13.85	33	Pass
			1	37	20.81	-7	13.81	33	Pass
			1	74	20.80	-7	13.80	33	Pass
			37	0	21.44	-7	14.44	33	Pass
			37	18	21.42	-7	14.42	33	Pass
			37	38	21.43	-7	14.43	33	Pass
			75	0	19.99	-7	12.99	33	Pass
	41165	2647.5	1	0	20.55	-7	13.55	33	Pass
			1	37	20.82	-7	13.82	33	Pass
			1	74	20.26	-7	13.26	33	Pass
			37	0	20.62	-7	13.62	33	Pass
			37	18	20.86	-7	13.86	33	Pass
			37	38	20.94	-7	13.94	33	Pass
			75	0	19.66	-7	12.66	33	Pass

LTE Band 41 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	40340	2565	1	0	21.91	-7	14.91	33	Pass
			1	49	21.74	-7	14.74	33	Pass
			1	99	21.74	-7	14.74	33	Pass
			50	0	20.77	-7	13.77	33	Pass
			50	25	20.77	-7	13.77	33	Pass
			50	50	20.78	-7	13.78	33	Pass
			100	0	20.66	-7	13.66	33	Pass
	40740	2605	1	0	21.81	-7	14.81	33	Pass
			1	49	21.75	-7	14.75	33	Pass
			1	99	21.69	-7	14.69	33	Pass
			50	0	20.91	-7	13.91	33	Pass
			50	25	20.93	-7	13.93	33	Pass
			50	50	20.83	-7	13.83	33	Pass
			100	0	20.87	-7	13.87	33	Pass
	41140	2645	1	0	21.65	-7	14.65	33	Pass
			1	49	21.45	-7	14.45	33	Pass
			1	99	21.27	-7	14.27	33	Pass
			50	0	20.67	-7	13.67	33	Pass
			50	25	20.68	-7	13.68	33	Pass
			50	50	20.62	-7	13.62	33	Pass
			100	0	20.71	-7	13.71	33	Pass
16QAM	40340	2565	1	0	20.64	-7	13.64	33	Pass
			1	49	20.63	-7	13.63	33	Pass
			1	99	20.49	-7	13.49	33	Pass
			50	0	19.84	-7	12.84	33	Pass
			50	25	19.81	-7	12.81	33	Pass
			50	50	19.83	-7	12.83	33	Pass
			100	0	19.75	-7	12.75	33	Pass
	40740	2605	1	0	21.39	-7	14.39	33	Pass
			1	49	21.66	-7	14.66	33	Pass
			1	99	20.50	-7	13.50	33	Pass
			50	0	19.99	-7	12.99	33	Pass
			50	25	19.91	-7	12.91	33	Pass
			50	50	19.94	-7	12.94	33	Pass
			100	0	19.95	-7	12.95	33	Pass
	41140	2645	1	0	20.52	-7	13.52	33	Pass
			1	49	20.47	-7	13.47	33	Pass
			1	99	20.17	-7	13.17	33	Pass
			50	0	19.84	-7	12.84	33	Pass
			50	25	19.73	-7	12.73	33	Pass
			50	50	19.68	-7	12.68	33	Pass
			100	0	19.78	-7	12.78	33	Pass

LTE Band 66 ,Channel Bandwidth: 1.4 MHz										
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict	
			Size	Offset						
QPSK	131979	1710.7	1	0	21.66	-7	14.66	30	Pass	
			1	3	22.04	-7	15.04	30	Pass	
			1	5	21.94	-7	14.94	30	Pass	
			3	0	21.93	-7	14.93	30	Pass	
			3	2	22.01	-7	15.01	30	Pass	
			3	3	22.03	-7	15.03	30	Pass	
			6	0	21.00	-7	14.00	30	Pass	
	132322	1745	1	0	21.65	-7	14.65	30	Pass	
			1	3	21.90	-7	14.90	30	Pass	
			1	5	21.83	-7	14.83	30	Pass	
			3	0	21.96	-7	14.96	30	Pass	
			3	2	21.97	-7	14.97	30	Pass	
			3	3	21.76	-7	14.76	30	Pass	
			6	0	20.93	-7	13.93	30	Pass	
	132665	1779.3	1	0	21.77	-7	14.77	30	Pass	
			1	3	21.98	-7	14.98	30	Pass	
			1	5	21.89	-7	14.89	30	Pass	
			3	0	21.82	-7	14.82	30	Pass	
			3	2	21.85	-7	14.85	30	Pass	
			3	3	21.79	-7	14.79	30	Pass	
			6	0	20.90	-7	13.90	30	Pass	
	16QAM	131979	1710.7	1	0	21.48	-7	14.48	30	Pass
				1	3	21.49	-7	14.49	30	Pass
				1	5	21.48	-7	14.48	30	Pass
3				0	20.66	-7	13.66	30	Pass	
3				2	20.74	-7	13.74	30	Pass	
3				3	20.76	-7	13.76	30	Pass	
6				0	20.08	-7	13.08	30	Pass	
132322		1745	1	0	20.59	-7	13.59	30	Pass	
			1	3	21.21	-7	14.21	30	Pass	
			1	5	20.84	-7	13.84	30	Pass	
			3	0	20.69	-7	13.69	30	Pass	
			3	2	20.56	-7	13.56	30	Pass	
			3	3	20.66	-7	13.66	30	Pass	
			6	0	20.12	-7	13.12	30	Pass	
132665		1779.3	1	0	20.68	-7	13.68	30	Pass	
			1	3	21.20	-7	14.20	30	Pass	
			1	5	20.83	-7	13.83	30	Pass	
			3	0	20.75	-7	13.75	30	Pass	
			3	2	20.63	-7	13.63	30	Pass	
			3	3	20.58	-7	13.58	30	Pass	
			6	0	20.09	-7	13.09	30	Pass	

LTE Band 66 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	131987	1711.5	1	0	21.97	-7	14.97	30	Pass
			1	7	22.14	-7	15.14	30	Pass
			1	14	22.32	-7	15.32	30	Pass
			8	0	21.19	-7	14.19	30	Pass
			8	4	21.16	-7	14.16	30	Pass
			8	7	21.18	-7	14.18	30	Pass
			15	0	21.13	-7	14.13	30	Pass
	132322	1745	1	0	22.10	-7	15.10	30	Pass
			1	7	21.93	-7	14.93	30	Pass
			1	14	22.29	-7	15.29	30	Pass
			8	0	21.01	-7	14.01	30	Pass
			8	4	21.02	-7	14.02	30	Pass
			8	7	21.02	-7	14.02	30	Pass
			15	0	20.98	-7	13.98	30	Pass
	132657	1778.5	1	0	22.10	-7	15.10	30	Pass
			1	7	21.68	-7	14.68	30	Pass
			1	14	21.95	-7	14.95	30	Pass
			8	0	21.07	-7	14.07	30	Pass
			8	4	21.00	-7	14.00	30	Pass
			8	7	20.97	-7	13.97	30	Pass
			15	0	21.01	-7	14.01	30	Pass
16QAM	131987	1711.5	1	0	21.16	-7	14.16	30	Pass
			1	7	21.00	-7	14.00	30	Pass
			1	14	21.12	-7	14.12	30	Pass
			8	0	20.05	-7	13.05	30	Pass
			8	4	20.02	-7	13.02	30	Pass
			8	7	19.95	-7	12.95	30	Pass
			15	0	20.02	-7	13.02	30	Pass
	132322	1745	1	0	21.58	-7	14.58	30	Pass
			1	7	21.39	-7	14.39	30	Pass
			1	14	21.65	-7	14.65	30	Pass
			8	0	19.91	-7	12.91	30	Pass
			8	4	20.02	-7	13.02	30	Pass
			8	7	20.01	-7	13.01	30	Pass
			15	0	19.91	-7	12.91	30	Pass
	132657	1778.5	1	0	21.03	-7	14.03	30	Pass
			1	7	20.79	-7	13.79	30	Pass
			1	14	20.93	-7	13.93	30	Pass
			8	0	20.22	-7	13.22	30	Pass
			8	4	20.06	-7	13.06	30	Pass
			8	7	20.02	-7	13.02	30	Pass
			15	0	19.96	-7	12.96	30	Pass

LTE Band 66 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	131997	1712.5	1	0	22.13	-7	15.13	30	Pass
			1	12	22.20	-7	15.20	30	Pass
			1	24	22.09	-7	15.09	30	Pass
			12	0	21.11	-7	14.11	30	Pass
			12	6	21.19	-7	14.19	30	Pass
			12	13	20.99	-7	13.99	30	Pass
			25	0	21.12	-7	14.12	30	Pass
	132322	1745	1	0	22.03	-7	15.03	30	Pass
			1	12	21.84	-7	14.84	30	Pass
			1	24	21.96	-7	14.96	30	Pass
			12	0	21.08	-7	14.08	30	Pass
			12	6	21.09	-7	14.09	30	Pass
			12	13	20.98	-7	13.98	30	Pass
			25	0	20.98	-7	13.98	30	Pass
	132647	1777.5	1	0	21.86	-7	14.86	30	Pass
			1	12	22.12	-7	15.12	30	Pass
			1	24	22.05	-7	15.05	30	Pass
			12	0	21.06	-7	14.06	30	Pass
			12	6	21.08	-7	14.08	30	Pass
			12	13	21.06	-7	14.06	30	Pass
			25	0	21.10	-7	14.10	30	Pass
16QAM	131997	1712.5	1	0	21.08	-7	14.08	30	Pass
			1	12	20.98	-7	13.98	30	Pass
			1	24	21.03	-7	14.03	30	Pass
			12	0	20.26	-7	13.26	30	Pass
			12	6	20.24	-7	13.24	30	Pass
			12	13	20.03	-7	13.03	30	Pass
			25	0	20.15	-7	13.15	30	Pass
	132322	1745	1	0	21.40	-7	14.40	30	Pass
			1	12	21.05	-7	14.05	30	Pass
			1	24	21.16	-7	14.16	30	Pass
			12	0	19.90	-7	12.90	30	Pass
			12	6	19.95	-7	12.95	30	Pass
			12	13	20.01	-7	13.01	30	Pass
			25	0	19.92	-7	12.92	30	Pass
	132647	1777.5	1	0	20.88	-7	13.88	30	Pass
			1	12	20.86	-7	13.86	30	Pass
			1	24	20.90	-7	13.90	30	Pass
			12	0	19.78	-7	12.78	30	Pass
			12	6	19.73	-7	12.73	30	Pass
			12	13	19.89	-7	12.89	30	Pass
			25	0	20.16	-7	13.16	30	Pass

LTE Band 66 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132022	1715	1	0	22.39	-7	15.39	30	Pass
			1	24	22.56	-7	15.56	30	Pass
			1	49	22.08	-7	15.08	30	Pass
			25	0	21.30	-7	14.30	30	Pass
			25	12	21.34	-7	14.34	30	Pass
			25	25	21.19	-7	14.19	30	Pass
			50	0	21.24	-7	14.24	30	Pass
	132322	1745	1	0	22.36	-7	15.36	30	Pass
			1	24	22.42	-7	15.42	30	Pass
			1	49	22.01	-7	15.01	30	Pass
			25	0	21.15	-7	14.15	30	Pass
			25	12	21.18	-7	14.18	30	Pass
			25	25	21.09	-7	14.09	30	Pass
			50	0	21.19	-7	14.19	30	Pass
	132622	1775	1	0	22.10	-7	15.10	30	Pass
			1	24	22.10	-7	15.10	30	Pass
			1	49	21.81	-7	14.81	30	Pass
			25	0	21.14	-7	14.14	30	Pass
			25	12	21.16	-7	14.16	30	Pass
			25	25	21.18	-7	14.18	30	Pass
			50	0	21.17	-7	14.17	30	Pass
16QAM	132022	1715	1	0	21.02	-7	14.02	30	Pass
			1	24	21.27	-7	14.27	30	Pass
			1	49	21.26	-7	14.26	30	Pass
			25	0	20.23	-7	13.23	30	Pass
			25	12	20.32	-7	13.32	30	Pass
			25	25	20.22	-7	13.22	30	Pass
			50	0	20.16	-7	13.16	30	Pass
	132322	1745	1	0	22.02	-7	15.02	30	Pass
			1	24	21.49	-7	14.49	30	Pass
			1	49	21.82	-7	14.82	30	Pass
			25	0	20.09	-7	13.09	30	Pass
			25	12	20.11	-7	13.11	30	Pass
			25	25	20.12	-7	13.12	30	Pass
			50	0	20.11	-7	13.11	30	Pass
	132622	1775	1	0	21.23	-7	14.23	30	Pass
			1	24	21.56	-7	14.56	30	Pass
			1	49	21.08	-7	14.08	30	Pass
			25	0	19.98	-7	12.98	30	Pass
			25	12	20.17	-7	13.17	30	Pass
			25	25	20.05	-7	13.05	30	Pass
			50	0	20.20	-7	13.20	30	Pass

LTE Band 66 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132047	1717.5	1	0	22.08	-7	15.08	30	Pass
			1	37	21.87	-7	14.87	30	Pass
			1	74	21.88	-7	14.88	30	Pass
			37	0	20.79	-7	13.79	30	Pass
			37	18	20.80	-7	13.80	30	Pass
			37	38	20.86	-7	13.86	30	Pass
			75	0	20.83	-7	13.83	30	Pass
	132322	1745	1	0	21.84	-7	14.84	30	Pass
			1	37	21.86	-7	14.86	30	Pass
			1	74	21.70	-7	14.70	30	Pass
			37	0	21.33	-7	14.33	30	Pass
			37	18	20.65	-7	13.65	30	Pass
			37	38	21.40	-7	14.40	30	Pass
			75	0	20.90	-7	13.90	30	Pass
	132597	1772.5	1	0	21.59	-7	14.59	30	Pass
			1	37	21.61	-7	14.61	30	Pass
			1	74	21.57	-7	14.57	30	Pass
			37	0	21.47	-7	14.47	30	Pass
			37	18	20.84	-7	13.84	30	Pass
			37	38	20.49	-7	13.49	30	Pass
			75	0	20.73	-7	13.73	30	Pass
16QAM	132047	1717.5	1	0	21.60	-7	14.60	30	Pass
			1	37	21.46	-7	14.46	30	Pass
			1	74	20.89	-7	13.89	30	Pass
			37	0	20.87	-7	13.87	30	Pass
			37	18	20.87	-7	13.87	30	Pass
			37	38	20.88	-7	13.88	30	Pass
			75	0	19.73	-7	12.73	30	Pass
	132322	1745	1	0	20.85	-7	13.85	30	Pass
			1	37	21.65	-7	14.65	30	Pass
			1	74	21.48	-7	14.48	30	Pass
			37	0	20.67	-7	13.67	30	Pass
			37	18	21.56	-7	14.56	30	Pass
			37	38	21.46	-7	14.46	30	Pass
			75	0	19.77	-7	12.77	30	Pass
	132597	1772.5	1	0	20.58	-7	13.58	30	Pass
			1	37	21.29	-7	14.29	30	Pass
			1	74	21.30	-7	14.30	30	Pass
			37	0	21.17	-7	14.17	30	Pass
			37	18	20.88	-7	13.88	30	Pass
			37	38	20.42	-7	13.42	30	Pass
			75	0	19.66	-7	12.66	30	Pass

LTE Band 66 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	132072	1720	1	0	22.39	-7	15.39	30	Pass
			1	49	21.85	-7	14.85	30	Pass
			1	99	22.17	-7	15.17	30	Pass
			50	0	20.86	-7	13.86	30	Pass
			50	25	20.86	-7	13.86	30	Pass
			50	50	21.04	-7	14.04	30	Pass
			100	0	20.91	-7	13.91	30	Pass
	132322	1745	1	0	22.12	-7	15.12	30	Pass
			1	49	22.29	-7	15.29	30	Pass
			1	99	21.85	-7	14.85	30	Pass
			50	0	20.90	-7	13.90	30	Pass
			50	25	20.81	-7	13.81	30	Pass
			50	50	21.03	-7	14.03	30	Pass
			100	0	21.03	-7	14.03	30	Pass
	132572	1770	1	0	21.73	-7	14.73	30	Pass
			1	49	21.97	-7	14.97	30	Pass
			1	99	21.68	-7	14.68	30	Pass
			50	0	20.78	-7	13.78	30	Pass
			50	25	20.72	-7	13.72	30	Pass
			50	50	20.72	-7	13.72	30	Pass
			100	0	20.83	-7	13.83	30	Pass
16QAM	132072	1720	1	0	20.88	-7	13.88	30	Pass
			1	49	20.90	-7	13.90	30	Pass
			1	99	20.78	-7	13.78	30	Pass
			50	0	19.97	-7	12.97	30	Pass
			50	25	19.87	-7	12.87	30	Pass
			50	50	19.96	-7	12.96	30	Pass
			100	0	19.80	-7	12.80	30	Pass
	132322	1745	1	0	20.71	-7	13.71	30	Pass
			1	49	20.73	-7	13.73	30	Pass
			1	99	20.49	-7	13.49	30	Pass
			50	0	19.86	-7	12.86	30	Pass
			50	25	20.06	-7	13.06	30	Pass
			50	50	19.86	-7	12.86	30	Pass
			100	0	19.73	-7	12.73	30	Pass
	132572	1770	1	0	20.64	-7	13.64	30	Pass
			1	49	21.00	-7	14.00	30	Pass
			1	99	20.51	-7	13.51	30	Pass
			50	0	19.78	-7	12.78	30	Pass
			50	25	19.79	-7	12.79	30	Pass
			50	50	19.79	-7	12.79	30	Pass
			100	0	19.77	-7	12.77	30	Pass

LTE Band 71 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	133147	665.5	1	0	22.08	-13	6.93	38.5	Pass
			1	12	21.73	-13	6.58	38.5	Pass
			1	24	21.77	-13	6.62	38.5	Pass
			12	0	20.68	-13	5.53	38.5	Pass
			12	6	20.72	-13	5.57	38.5	Pass
			12	13	20.85	-13	5.70	38.5	Pass
			25	0	20.78	-13	5.63	38.5	Pass
	133297	680.5	1	0	21.79	-13	6.64	38.5	Pass
			1	12	21.61	-13	6.46	38.5	Pass
			1	24	21.85	-13	6.70	38.5	Pass
			12	0	20.71	-13	5.56	38.5	Pass
			12	6	20.69	-13	5.54	38.5	Pass
			12	13	20.70	-13	5.55	38.5	Pass
			25	0	20.72	-13	5.57	38.5	Pass
	133447	695.5	1	0	21.92	-13	6.77	38.5	Pass
			1	12	21.84	-13	6.69	38.5	Pass
			1	24	21.57	-13	6.42	38.5	Pass
			12	0	21.02	-13	5.87	38.5	Pass
			12	6	20.89	-13	5.74	38.5	Pass
			12	13	20.91	-13	5.76	38.5	Pass
			25	0	20.74	-13	5.59	38.5	Pass
16QAM	133147	665.5	1	0	20.38	-13	5.23	38.5	Pass
			1	12	20.24	-13	5.09	38.5	Pass
			1	24	20.61	-13	5.46	38.5	Pass
			12	0	19.73	-13	4.58	38.5	Pass
			12	6	19.77	-13	4.62	38.5	Pass
			12	13	19.91	-13	4.76	38.5	Pass
			25	0	19.84	-13	4.69	38.5	Pass
	133297	680.5	1	0	21.10	-13	5.95	38.5	Pass
			1	12	20.60	-13	5.45	38.5	Pass
			1	24	20.82	-13	5.67	38.5	Pass
			12	0	19.81	-13	4.66	38.5	Pass
			12	6	19.88	-13	4.73	38.5	Pass
			12	13	19.62	-13	4.47	38.5	Pass
			25	0	19.77	-13	4.62	38.5	Pass
	133447	695.5	1	0	21.01	-13	5.86	38.5	Pass
			1	12	20.54	-13	5.39	38.5	Pass
			1	24	20.78	-13	5.63	38.5	Pass
			12	0	19.64	-13	4.49	38.5	Pass
			12	6	19.54	-13	4.39	38.5	Pass
			12	13	19.88	-13	4.73	38.5	Pass
			25	0	19.75	-13	4.60	38.5	Pass

LTE Band 71 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	133172	668	1	0	21.72	-13	6.57	38.5	Pass
			1	24	21.87	-13	6.72	38.5	Pass
			1	49	21.64	-13	6.49	38.5	Pass
			25	0	20.88	-13	5.73	38.5	Pass
			25	12	20.81	-13	5.66	38.5	Pass
			25	25	21.00	-13	5.85	38.5	Pass
			50	0	20.87	-13	5.72	38.5	Pass
	133297	680.5	1	0	21.85	-13	6.70	38.5	Pass
			1	24	21.69	-13	6.54	38.5	Pass
			1	49	21.75	-13	6.60	38.5	Pass
			25	0	20.73	-13	5.58	38.5	Pass
			25	12	21.07	-13	5.92	38.5	Pass
			25	25	21.03	-13	5.88	38.5	Pass
			50	0	20.67	-13	5.52	38.5	Pass
	133422	693	1	0	21.68	-13	6.53	38.5	Pass
			1	24	22.04	-13	6.89	38.5	Pass
			1	49	21.75	-13	6.60	38.5	Pass
			25	0	21.00	-13	5.85	38.5	Pass
			25	12	20.99	-13	5.84	38.5	Pass
			25	25	20.86	-13	5.71	38.5	Pass
			50	0	20.92	-13	5.77	38.5	Pass
16QAM	133172	668	1	0	20.55	-13	5.40	38.5	Pass
			1	24	20.90	-13	5.75	38.5	Pass
			1	49	20.73	-13	5.58	38.5	Pass
			25	0	19.87	-13	4.72	38.5	Pass
			25	12	19.71	-13	4.56	38.5	Pass
			25	25	19.48	-13	4.33	38.5	Pass
			50	0	19.89	-13	4.74	38.5	Pass
	133297	680.5	1	0	20.50	-13	5.35	38.5	Pass
			1	24	20.51	-13	5.36	38.5	Pass
			1	49	20.63	-13	5.48	38.5	Pass
			25	0	20.03	-13	4.88	38.5	Pass
			25	12	19.89	-13	4.74	38.5	Pass
			25	25	19.73	-13	4.58	38.5	Pass
			50	0	19.97	-13	4.82	38.5	Pass
	133422	693	1	0	20.95	-13	5.80	38.5	Pass
			1	24	21.30	-13	6.15	38.5	Pass
			1	49	21.08	-13	5.93	38.5	Pass
			25	0	20.05	-13	4.90	38.5	Pass
			25	12	20.13	-13	4.98	38.5	Pass
			25	25	19.95	-13	4.80	38.5	Pass
			50	0	19.98	-13	4.83	38.5	Pass

LTE Band 71 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	133197	670.5	1	0	22.60	-13	7.45	38.5	Pass
			1	37	23.10	-13	7.95	38.5	Pass
			1	74	22.86	-13	7.71	38.5	Pass
			37	0	22.76	-13	7.61	38.5	Pass
			37	18	22.95	-13	7.80	38.5	Pass
			37	38	22.79	-13	7.64	38.5	Pass
			75	0	21.98	-13	6.83	38.5	Pass
	133297	680.5	1	0	22.90	-13	7.75	38.5	Pass
			1	37	23.12	-13	7.97	38.5	Pass
			1	74	22.90	-13	7.75	38.5	Pass
			37	0	22.88	-13	7.73	38.5	Pass
			37	18	23.05	-13	7.90	38.5	Pass
			37	38	23.28	-13	8.13	38.5	Pass
			75	0	22.11	-13	6.96	38.5	Pass
	133397	690.5	1	0	23.46	-13	8.31	38.5	Pass
			1	37	23.45	-13	8.30	38.5	Pass
			1	74	23.29	-13	8.14	38.5	Pass
			37	0	23.34	-13	8.19	38.5	Pass
			37	18	23.38	-13	8.23	38.5	Pass
			37	38	23.34	-13	8.19	38.5	Pass
			75	0	22.45	-13	7.30	38.5	Pass
16QAM	133197	670.5	1	0	21.84	-13	6.69	38.5	Pass
			1	37	21.87	-13	6.72	38.5	Pass
			1	74	22.13	-13	6.98	38.5	Pass
			37	0	21.74	-13	6.59	38.5	Pass
			37	18	21.74	-13	6.59	38.5	Pass
			37	38	21.90	-13	6.75	38.5	Pass
			75	0	20.82	-13	5.67	38.5	Pass
	133297	680.5	1	0	22.47	-13	7.32	38.5	Pass
			1	37	22.52	-13	7.37	38.5	Pass
			1	74	22.19	-13	7.04	38.5	Pass
			37	0	21.57	-13	6.42	38.5	Pass
			37	18	22.05	-13	6.90	38.5	Pass
			37	38	21.91	-13	6.76	38.5	Pass
			75	0	21.12	-13	5.97	38.5	Pass
	133397	690.5	1	0	22.48	-13	7.33	38.5	Pass
			1	37	22.27	-13	7.12	38.5	Pass
			1	74	22.69	-13	7.54	38.5	Pass
			37	0	21.96	-13	6.81	38.5	Pass
			37	18	22.17	-13	7.02	38.5	Pass
			37	38	22.20	-13	7.05	38.5	Pass
			75	0	21.24	-13	6.09	38.5	Pass

LTE Band 71 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	133222	673	1	0	21.98	-13	6.83	38.5	Pass
			1	49	22.01	-13	6.86	38.5	Pass
			1	99	21.53	-13	6.38	38.5	Pass
			50	0	20.85	-13	5.70	38.5	Pass
			50	25	20.91	-13	5.76	38.5	Pass
			50	50	20.96	-13	5.81	38.5	Pass
			100	0	20.94	-13	5.79	38.5	Pass
	133297	680.5	1	0	21.65	-13	6.50	38.5	Pass
			1	49	21.98	-13	6.83	38.5	Pass
			1	99	22.13	-13	6.98	38.5	Pass
			50	0	20.97	-13	5.82	38.5	Pass
			50	25	20.88	-13	5.73	38.5	Pass
			50	50	20.86	-13	5.71	38.5	Pass
			100	0	20.92	-13	5.77	38.5	Pass
	133372	688	1	0	21.49	-13	6.34	38.5	Pass
			1	49	21.63	-13	6.48	38.5	Pass
			1	99	21.51	-13	6.36	38.5	Pass
			50	0	20.89	-13	5.74	38.5	Pass
			50	25	20.89	-13	5.74	38.5	Pass
			50	50	20.94	-13	5.79	38.5	Pass
			100	0	20.89	-13	5.74	38.5	Pass
16QAM	133222	673	1	0	21.32	-13	6.17	38.5	Pass
			1	49	21.08	-13	5.93	38.5	Pass
			1	99	20.65	-13	5.50	38.5	Pass
			50	0	19.86	-13	4.71	38.5	Pass
			50	25	19.92	-13	4.77	38.5	Pass
			50	50	19.90	-13	4.75	38.5	Pass
			100	0	19.95	-13	4.80	38.5	Pass
	133297	680.5	1	0	21.64	-13	6.49	38.5	Pass
			1	49	21.29	-13	6.14	38.5	Pass
			1	99	21.32	-13	6.17	38.5	Pass
			50	0	19.87	-13	4.72	38.5	Pass
			50	25	19.86	-13	4.71	38.5	Pass
			50	50	19.83	-13	4.68	38.5	Pass
			100	0	19.95	-13	4.80	38.5	Pass
	133372	688	1	0	20.78	-13	5.63	38.5	Pass
			1	49	20.61	-13	5.46	38.5	Pass
			1	99	21.04	-13	5.89	38.5	Pass
			50	0	19.92	-13	4.77	38.5	Pass
			50	25	19.92	-13	4.77	38.5	Pass
			50	50	19.93	-13	4.78	38.5	Pass
			100	0	19.97	-13	4.82	38.5	Pass

8. APPENDIX B: TEST RESULTS OF PEAK-TO-AVERAGE RATIO(CCDF)

WCDMA:

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.83	13	PASS
Band2	9400	2.83	13	PASS
Band2	9538	2.7	13	PASS
Band4	1312	2.79	13	PASS
Band4	1413	2.92	13	PASS
Band4	1513	3.04	13	PASS
Band5	4132	8.37	13	PASS
Band5	4182	8.46	13	PASS
Band5	4233	8.44	13	PASS

LTE:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	4.99	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.03	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.06	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.89	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.91	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.90	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.00	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.03	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.02	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.01	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.97	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.90	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.14	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.14	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.99	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.02	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.95	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.83	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.17	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.11	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.98	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.08	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.00	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.90	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.04	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	4.93	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.86	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	8.44	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	8.48	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	8.44	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.27	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.30	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.51	13	PASS

Band2	20MHz	16QAM	18900	100RB#0	6.47	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.50	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.35	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.29	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.36	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.26	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.24	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.30	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.37	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.33	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.45	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.31	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.23	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.29	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.44	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.36	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.46	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.24	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.23	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.27	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.30	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.29	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.34	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.16	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.16	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.19	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.10	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.06	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.11	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.00	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.03	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.03	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	7.59	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.33	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.28	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.50	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.50	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.48	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.64	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.24	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.16	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.66	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.16	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.11	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.77	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.23	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.56	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.68	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.11	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.45	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.93	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.33	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.76	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.71	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.14	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	5.53	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.03	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.61	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.84	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.85	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.69	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.50	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.00	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.15	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.85	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.16	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.54	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.01	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.21	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.92	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.14	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.60	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.03	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.53	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.57	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.44	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.81	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.03	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.73	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.90	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.88	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.26	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.37	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.39	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.14	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.24	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.21	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.66	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.51	13	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	4.24	13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	4.94	13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	4.32	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	4.98	13	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	4.56	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	5.14	13	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	5.34	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.76	13	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	5.40	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.97	13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	5.67	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	6.03	13	PASS
Band25	3MHz	QPSK	26055	1RB#0	4.29	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.00	13	PASS
Band25	3MHz	QPSK	26365	1RB#0	4.36	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.04	13	PASS

Band25	3MHz	QPSK	26675	1RB#0	4.54	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.23	13	PASS
Band25	3MHz	16QAM	26055	1RB#0	5.09	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.97	13	PASS
Band25	3MHz	16QAM	26365	1RB#0	5.18	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	5.99	13	PASS
Band25	3MHz	16QAM	26675	1RB#0	5.54	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.12	13	PASS
Band25	5MHz	QPSK	26065	1RB#0	4.28	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.06	13	PASS
Band25	5MHz	QPSK	26365	1RB#0	4.36	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.05	13	PASS
Band25	5MHz	QPSK	26665	1RB#0	4.43	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.29	13	PASS
Band25	5MHz	16QAM	26065	1RB#0	5.35	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.92	13	PASS
Band25	5MHz	16QAM	26365	1RB#0	5.32	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	5.92	13	PASS
Band25	5MHz	16QAM	26665	1RB#0	5.44	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.05	13	PASS
Band25	10MHz	QPSK	26090	1RB#0	4.26	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.09	13	PASS
Band25	10MHz	QPSK	26365	1RB#0	4.28	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.03	13	PASS
Band25	10MHz	QPSK	26640	1RB#0	4.16	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.17	13	PASS
Band25	10MHz	16QAM	26090	1RB#0	5.08	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	6.03	13	PASS
Band25	10MHz	16QAM	26365	1RB#0	5.00	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	5.91	13	PASS
Band25	10MHz	16QAM	26640	1RB#0	5.01	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	6.02	13	PASS
Band25	15MHz	QPSK	26115	1RB#0	4.28	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.33	13	PASS
Band25	15MHz	QPSK	26365	1RB#0	4.40	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.23	13	PASS
Band25	15MHz	QPSK	26615	1RB#0	4.44	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.11	13	PASS
Band25	15MHz	16QAM	26115	1RB#0	4.91	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	6.14	13	PASS
Band25	15MHz	16QAM	26365	1RB#0	8.47	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	8.46	13	PASS
Band25	15MHz	16QAM	26615	1RB#0	8.47	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	8.47	13	PASS
Band25	20MHz	QPSK	26140	1RB#0	4.21	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.25	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	4.43	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.08	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	4.61	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.91	13	PASS
Band25	20MHz	16QAM	26140	1RB#0	5.14	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.13	13	PASS
Band25	20MHz	16QAM	26365	1RB#0	5.37	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	8.47	13	PASS
Band25	20MHz	16QAM	26590	1RB#0	8.50	13	PASS

Band25	20MHz	16QAM	26590	100RB#0	8.48	13	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	4.67	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	4.07	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	4.36	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	5.66	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	5.03	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	5.31	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	4.58	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	4.10	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	4.20	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	5.49	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	5.08	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	5.16	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.46	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.21	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.23	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	5.37	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	5.06	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	5.09	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	4.63	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.52	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.14	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.54	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.50	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.85	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.30	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.25	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.02	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.33	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.30	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	5.81	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.15	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.15	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	4.92	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.16	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.12	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	5.82	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.08	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.07	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.25	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.27	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.27	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	6.24	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.35	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.40	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.29	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.40	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	4.81	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.30	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.24	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.78	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.38	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.45	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	4.89	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.28	13	PASS

Band66	3MHz	16QAM	132322	15RB#0	6.31	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.82	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.40	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.47	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.91	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.27	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.29	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.79	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.27	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.31	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	4.98	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.15	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.17	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.93	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.08	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.10	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	4.91	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.02	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.01	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.87	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.26	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.29	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.31	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.52	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.47	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.45	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	4.02	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.12	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.00	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.96	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	5.00	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.89	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	4.30	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	4.21	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	4.13	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.21	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	5.14	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	5.10	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	4.58	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	4.58	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	4.50	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	5.41	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	5.36	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	5.31	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	4.60	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.48	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.41	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	8.45	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	8.47	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	8.51	13	PASS

9. APPENDIX C: TEST RESULTS OF OCCUPIED BANDWIDTH

WCDMA:

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.1341	4.715	---	PASS
Band2	9400	4.1340	4.712	---	PASS
Band2	9538	4.1486	4.737	---	PASS
Band4	1312	4.1402	4.704	---	PASS
Band4	1413	4.1364	4.705	---	PASS
Band4	1513	4.1294	4.695	---	PASS
Band5	4132	4.1604	4.717	---	PASS
Band5	4182	4.1592	4.734	---	PASS
Band5	4233	4.1288	4.704	---	PASS

LTE:

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0787	1.233	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0793	1.238	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0806	1.231	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0800	1.250	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0778	1.248	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0786	1.246	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6799	2.872	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6868	2.853	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6852	2.864	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6823	2.882	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6811	2.876	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6818	2.859	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4712	4.831	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4749	4.859	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4735	4.822	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4718	4.844	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4764	4.792	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4778	4.772	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9075	9.391	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9276	9.396	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9047	9.349	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9081	9.376	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9041	9.362	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.8901	9.339	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.382	13.97	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.369	14.04	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.343	14.01	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.364	13.97	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.357	14.01	PASS

Band2	15MHz	16QAM	19125	75RB#0	13.328	13.94	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.836	18.65	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.795	18.57	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.768	18.58	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.824	18.60	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.779	18.57	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.767	18.54	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.1126	1.289	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1105	1.285	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1087	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1088	1.254	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1080	1.292	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1085	1.290	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6867	2.870	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6848	2.895	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6781	2.898	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6801	2.896	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6791	2.880	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6798	2.897	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4751	4.849	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4712	4.827	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4741	4.832	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4758	4.821	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4765	4.809	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4758	4.817	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9223	9.419	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9272	9.401	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9249	9.415	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9099	9.401	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9161	9.405	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9150	9.391	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.386	13.99	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.385	14.10	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.388	14.05	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.366	13.97	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.366	14.02	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.365	14.02	PASS
Band4	20MHz	QPSK	20050	100RB#0	16.370	16.78	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.810	18.69	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.814	18.58	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.800	18.54	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.819	18.59	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.814	18.59	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0815	1.217	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0798	1.224	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0818	1.250	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0760	1.237	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0789	1.236	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0786	1.244	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6876	2.902	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6855	2.898	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6877	2.902	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6826	2.879	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6835	2.892	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6824	2.893	PASS

Band5	5MHz	QPSK	20425	25RB#0	4.4741	4.838	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4720	4.822	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4775	4.806	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4789	4.826	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4719	4.865	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4829	4.832	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9333	9.436	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9077	9.395	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9329	9.426	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9134	9.453	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9069	9.384	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9275	9.417	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0809	1.223	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0800	1.232	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0803	1.237	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0754	1.209	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0787	1.243	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0787	1.223	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6852	2.890	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6858	2.903	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6867	2.887	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6811	2.900	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6804	2.880	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6809	2.865	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4720	4.806	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4785	4.821	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4696	4.846	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4713	4.829	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4761	4.837	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4720	4.813	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.8941	9.362	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9275	9.360	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9275	9.378	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.8871	9.349	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9249	9.364	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9181	9.363	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.4699	4.821	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4753	4.841	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4713	4.867	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4737	4.857	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4765	4.824	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4739	4.804	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9204	9.477	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9136	9.440	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	1.0925	1.247	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0913	1.250	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0909	1.264	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0929	1.267	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0904	1.244	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0914	1.268	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6947	2.919	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.7031	2.906	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6944	2.910	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6959	2.893	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6900	2.899	PASS

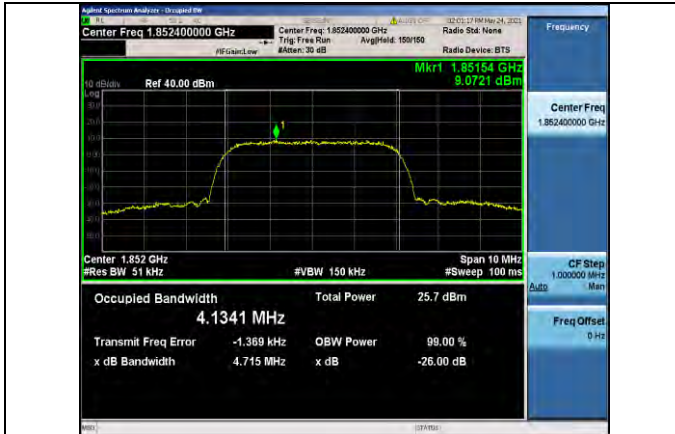
Band25	3MHz	16QAM	26675	15RB#0	2.6926	2.905	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.4988	4.878	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5041	4.904	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5018	4.895	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5014	4.871	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5014	4.864	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5089	4.880	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9562	9.532	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9555	9.530	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9756	9.567	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9457	9.517	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9542	9.505	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9562	9.515	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.430	14.27	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.434	14.31	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.400	14.23	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.421	14.24	PASS
Band25	15MHz	16QAM	26365	75RB#0	0.19249	0.2487	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.405	14.21	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.898	18.94	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.872	18.92	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.816	18.90	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.905	18.96	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.868	18.92	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.816	18.88	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	1.1116	1.283	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.1090	1.279	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.1113	1.279	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.1088	1.287	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.1077	1.286	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.1105	1.285	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.6853	2.891	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6903	2.910	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.6828	2.909	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6826	2.887	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.6819	2.892	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6809	2.882	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.4762	4.832	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.4771	4.835	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.4715	4.851	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.4715	4.841	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.4738	4.821	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.4765	4.853	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.9199	9.413	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.9132	9.371	PASS
Band41	5MHz	QPSK	39675	25RB#0	4.5002	4.875	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4970	4.899	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4934	4.902	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4925	4.814	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4927	4.851	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4907	4.842	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9574	9.494	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9496	9.615	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9480	9.618	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9547	9.501	PASS

Band41	10MHz	16QAM	40620	50RB#0	8.9576	9.514	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9591	9.517	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.436	14.27	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.438	14.25	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.441	14.27	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.428	14.38	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.433	14.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.432	14.29	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.875	18.92	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.892	18.94	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.893	18.93	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.871	18.92	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.880	18.93	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.874	18.93	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	1.0788	1.238	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0782	1.230	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0800	1.235	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0787	1.244	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0783	1.238	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0768	1.205	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6866	2.893	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6894	2.882	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6884	2.898	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6790	2.908	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6792	2.881	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6834	2.882	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4731	4.818	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4757	4.848	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4728	4.836	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4747	4.832	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4735	4.818	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4738	4.865	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9316	9.436	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9254	9.415	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9211	9.446	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9121	9.367	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9118	9.385	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9276	9.377	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.384	14.07	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.385	14.06	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.375	14.05	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.354	13.99	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.361	14.01	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.367	14.01	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.818	18.60	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.845	18.56	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.796	18.59	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.804	18.56	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.824	18.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.802	18.53	PASS
Band71	5MHz	QPSK	133147	25RB#0	4.4990	4.851	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.4972	4.882	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5032	4.893	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5055	4.872	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.4969	4.911	PASS

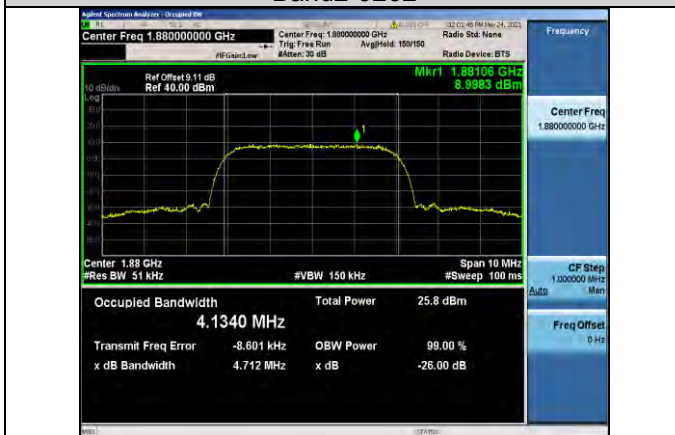
Band71	5MHz	16QAM	133447	25RB#0	4.5019	4.895	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9538	9.557	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9655	9.535	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9591	9.573	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9489	9.513	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9576	9.538	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9459	9.522	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.440	14.36	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.435	14.32	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.448	14.34	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.417	14.26	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.424	14.27	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.441	14.27	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.863	18.98	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.854	18.91	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.889	18.93	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.858	18.95	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.860	18.92	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.877	18.96	PASS

Test Graphs:

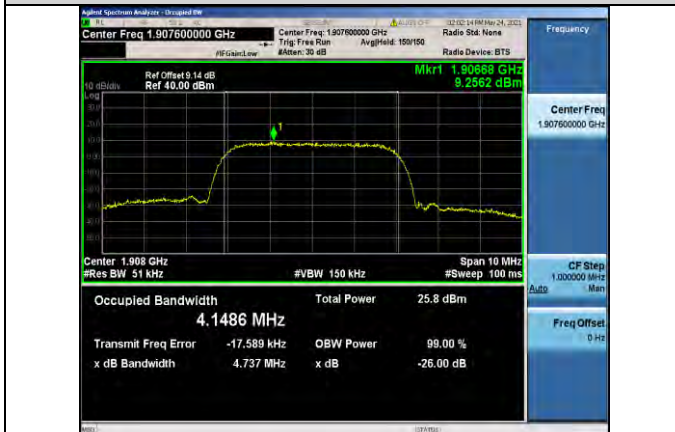
WCDMA:



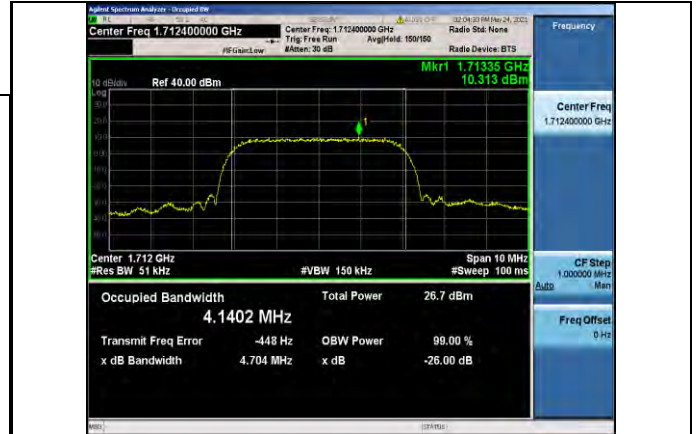
Band2-9262



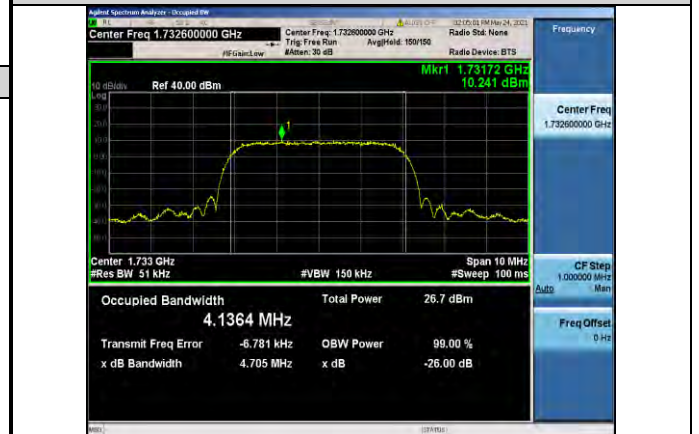
Band2-9400



Band2-9538



Band4-1312



Band4-1413



Band4-1513



Band5-4132

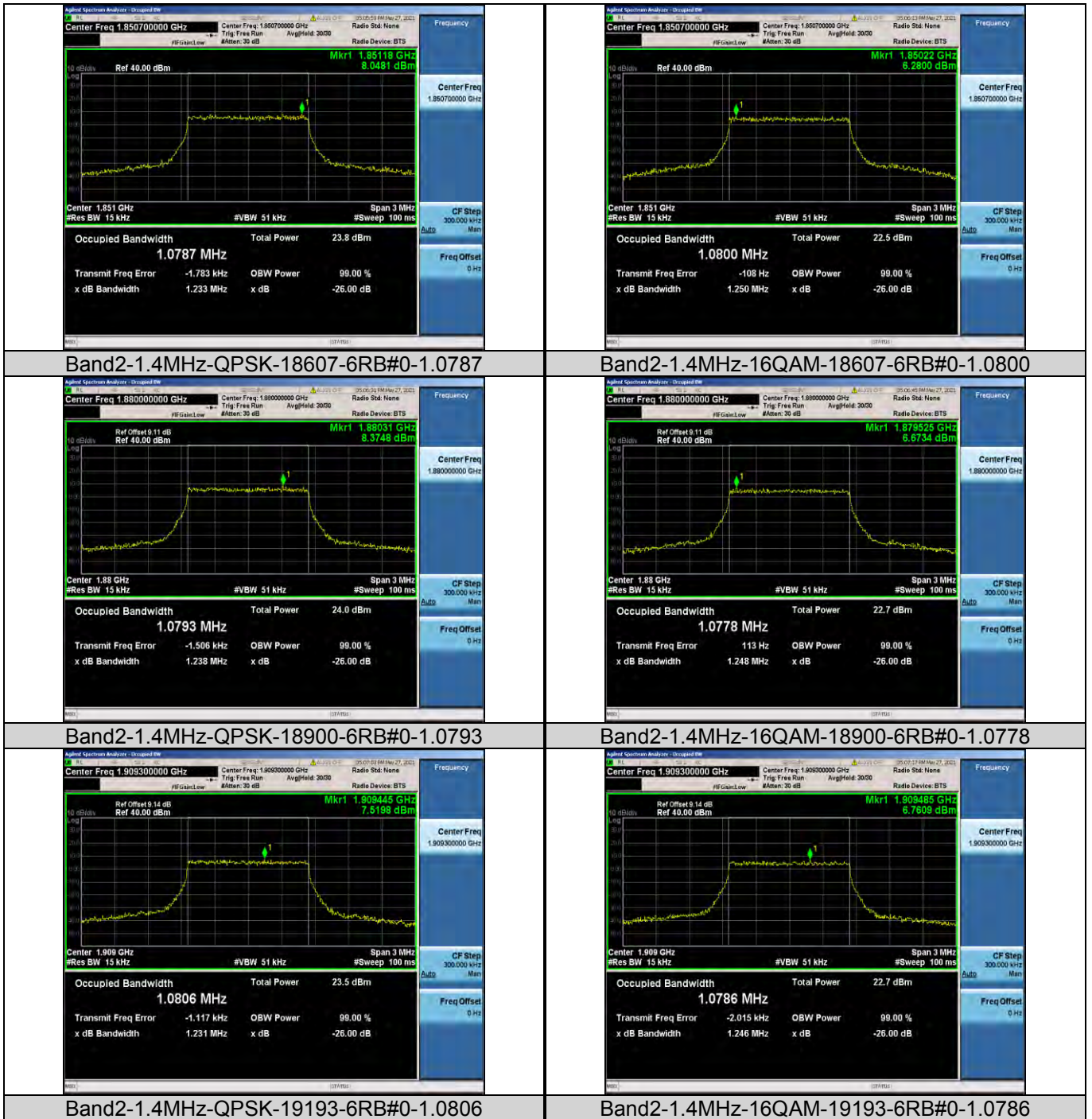


Band5-4182



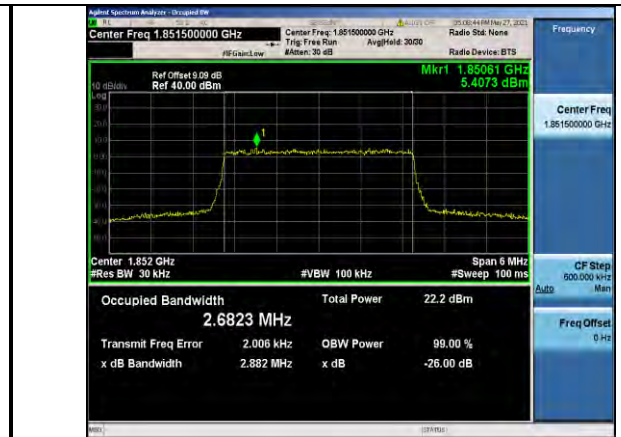
Band5-4233

LTE:





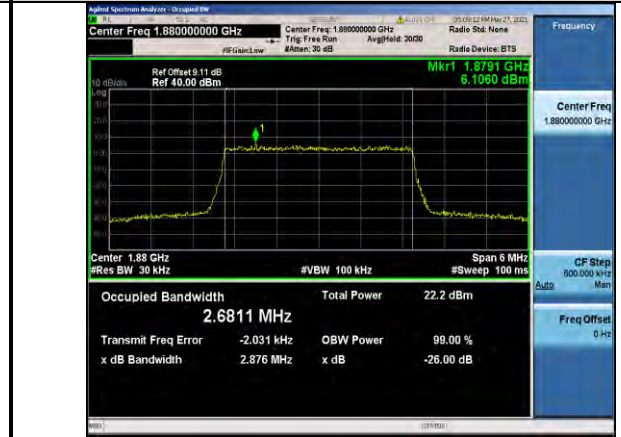
Band2-3MHz-QPSK-18615-15RB#0-2.6799



Band2-3MHz-16QAM-18615-15RB#0-2.6823



Band2-3MHz-QPSK-18900-15RB#0-2.6868



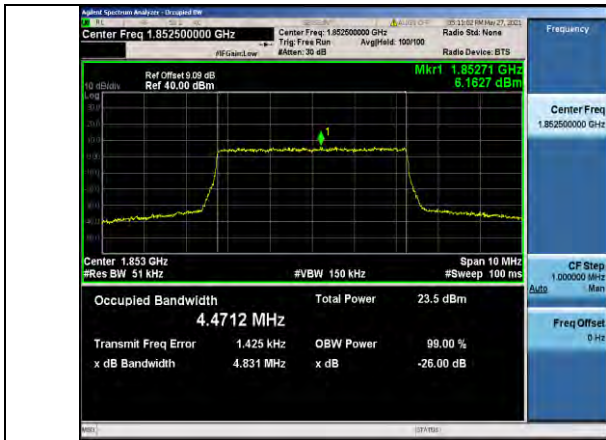
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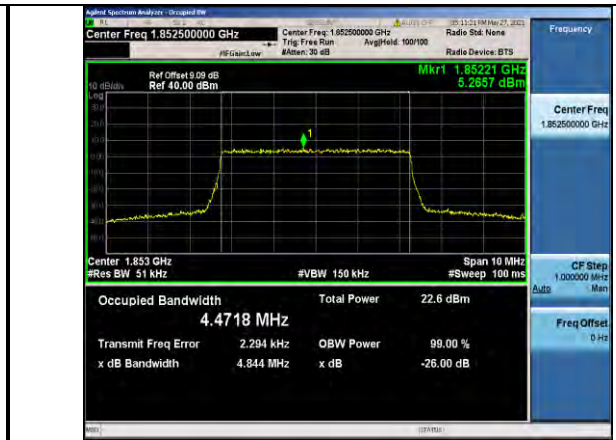
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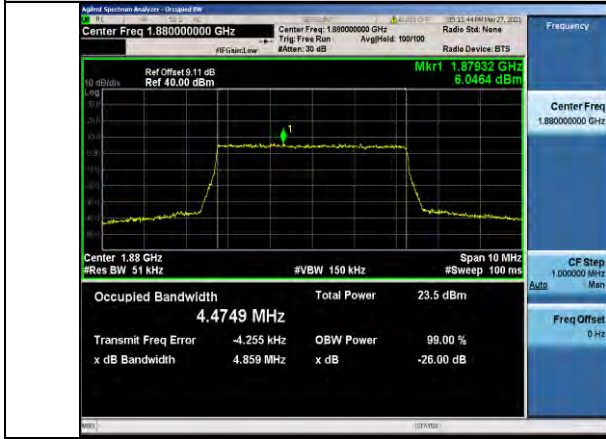
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Band2-5MHz-QPSK-18625-25RB#0-4.4712



Band2-5MHz-16QAM-18625-25RB#0-4.4718



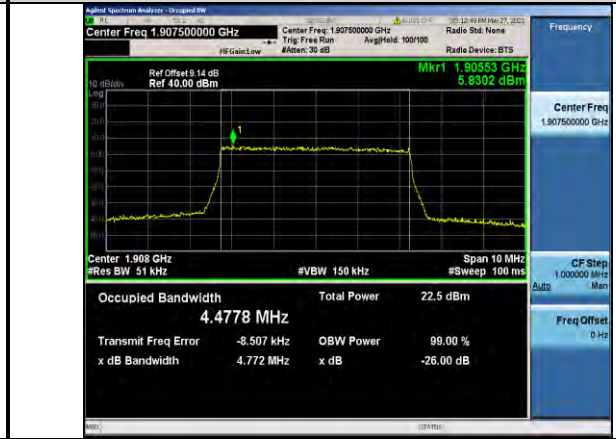
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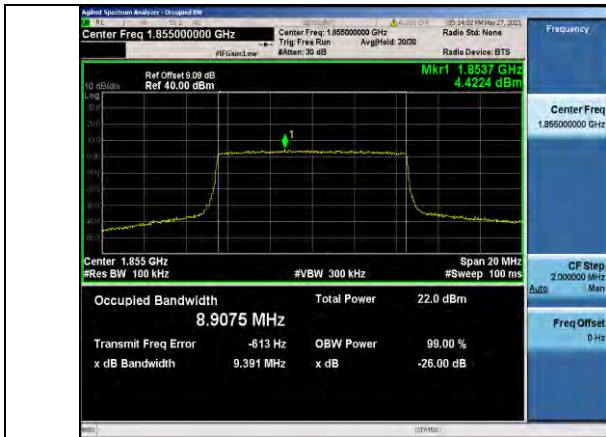
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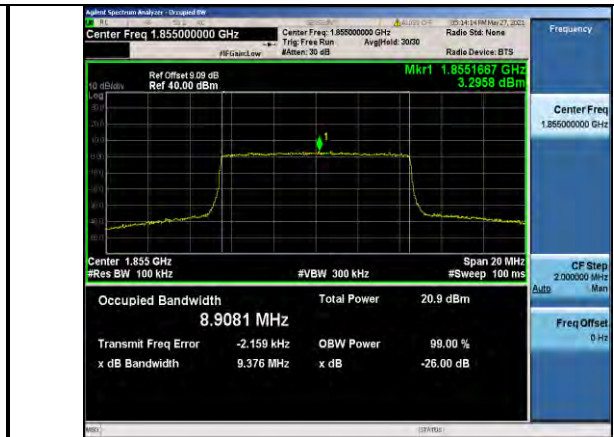
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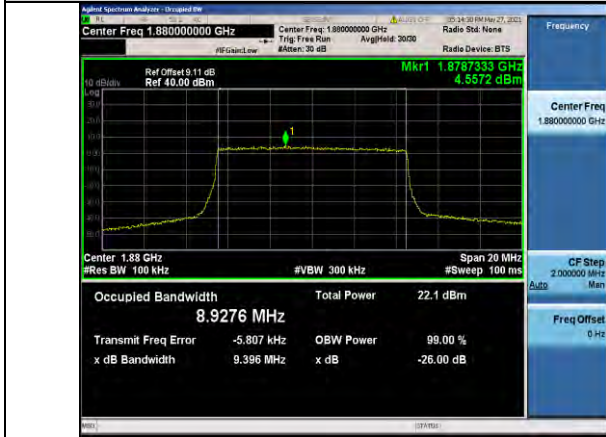
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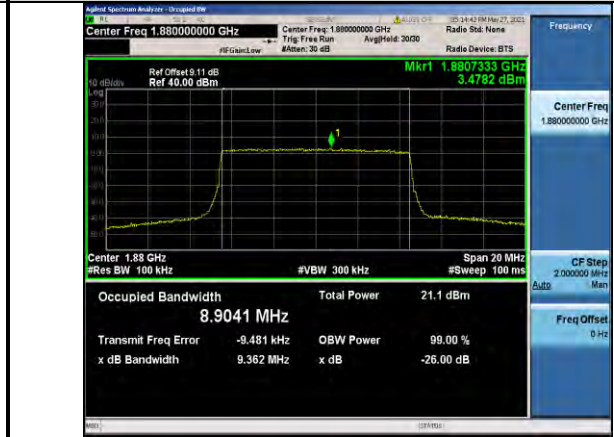
Band2-10MHz-QPSK-18650-50RB#0-8.9075



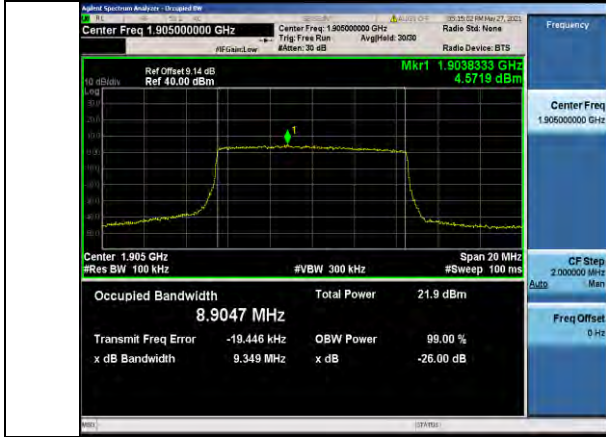
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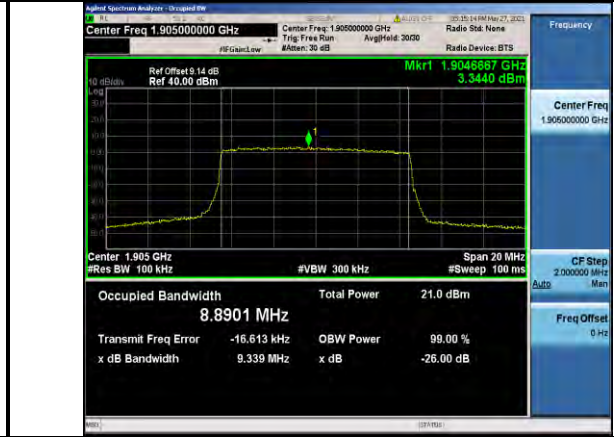
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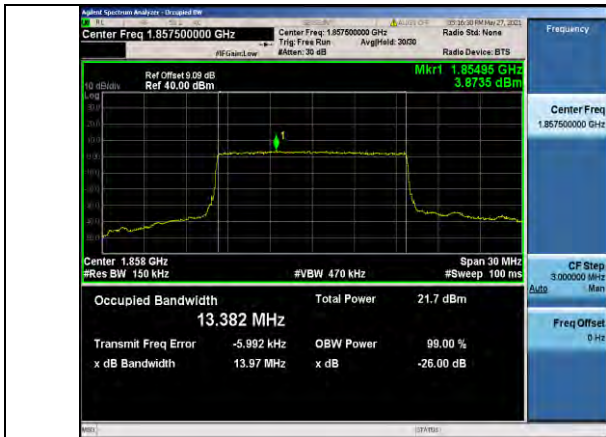
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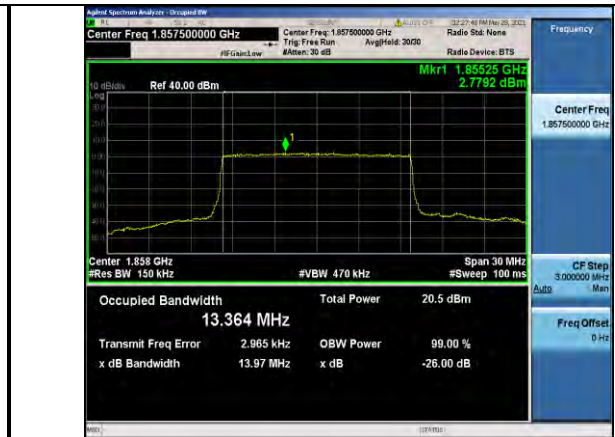
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Band2-10MHz-16QAM-19150-50RB#0-8.8901



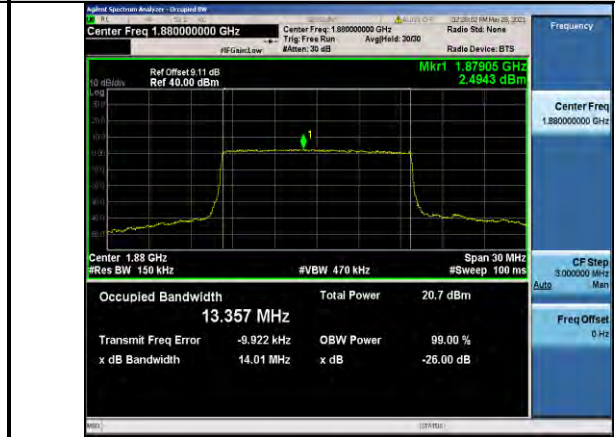
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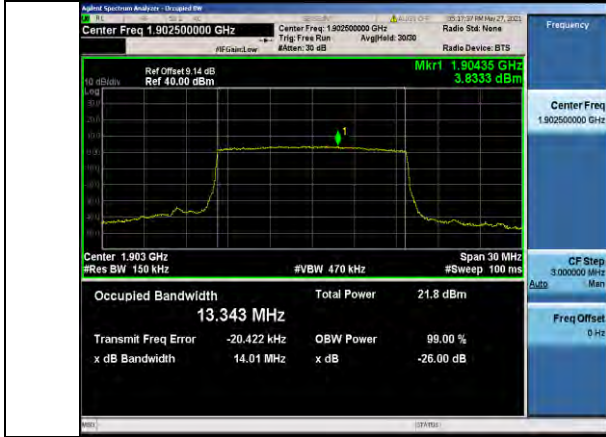
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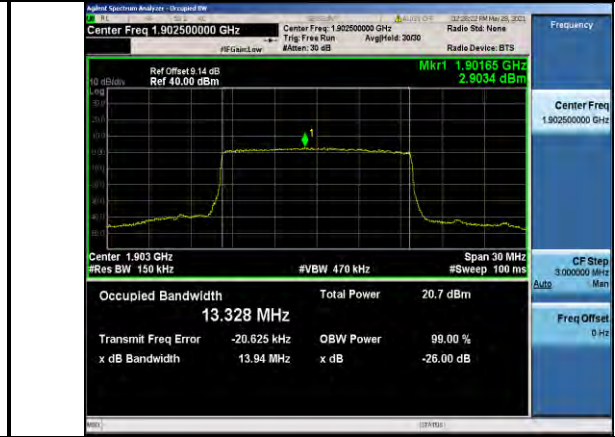
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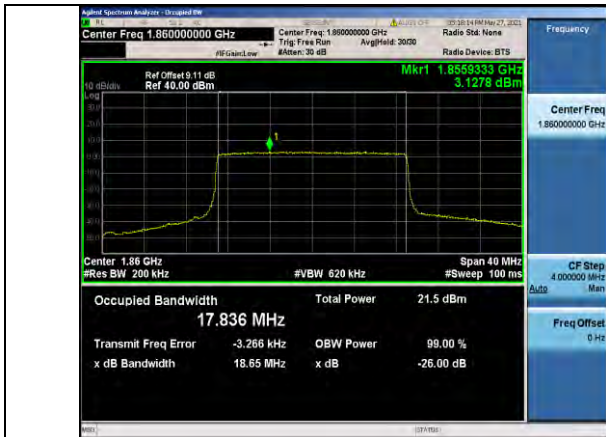
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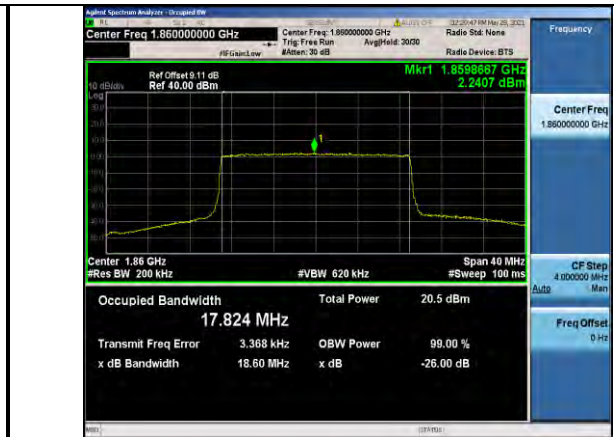
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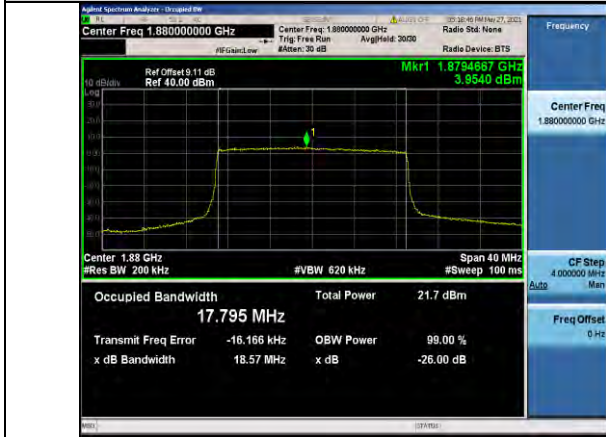
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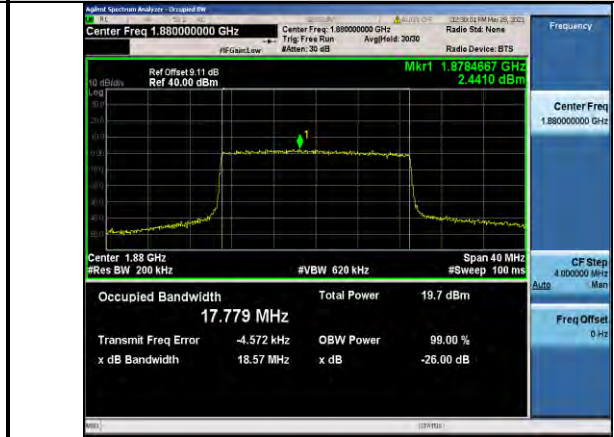
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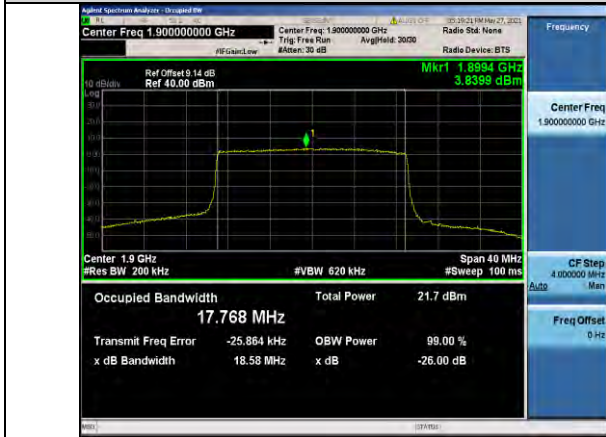
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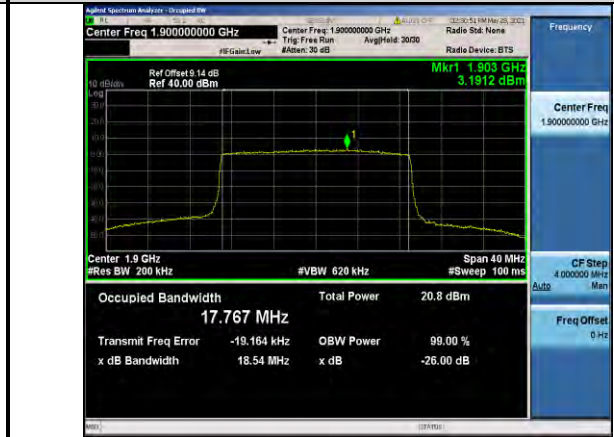
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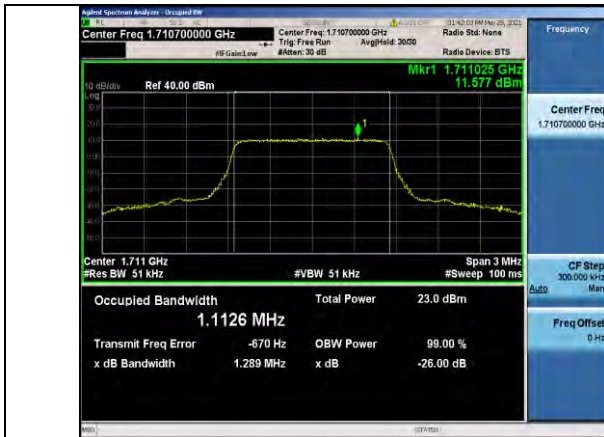
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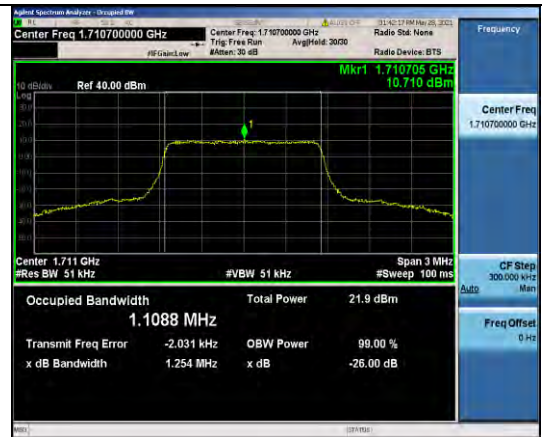
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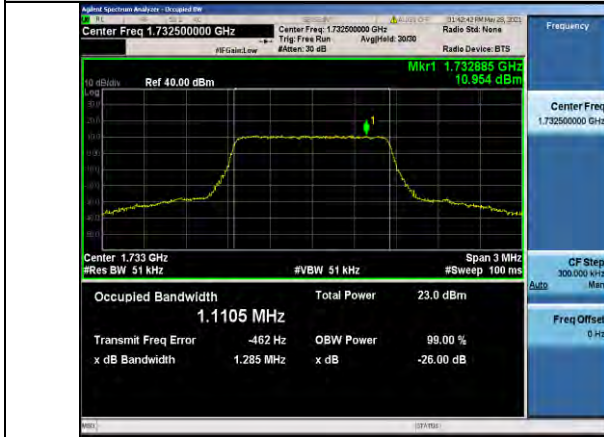
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Band4-1.4MHz-QPSK-19957-6RB#0-1.1126



Band4-1.4MHz-16QAM-19957-6RB#0-1.1088



Band4-1.4MHz-QPSK-20175-6RB#0-1.1105



Band4-1.4MHz-16QAM-20175-6RB#0-1.1080



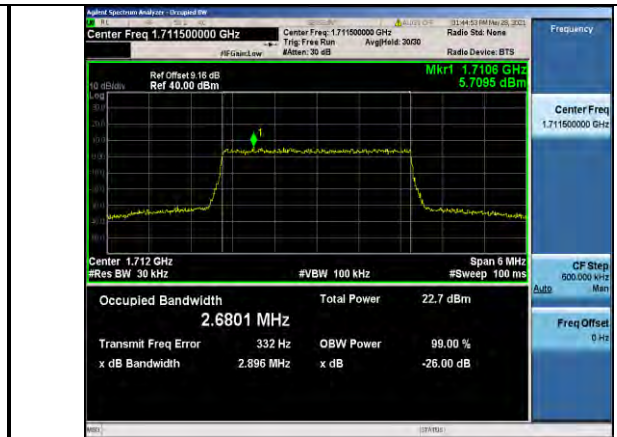
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Band4-1.4MHz-16QAM-20393-6RB#0-1.1085



Band4-3MHz-QPSK-19965-15RB#0-2.6867



Band4-3MHz-16QAM-19965-15RB#0-2.6801



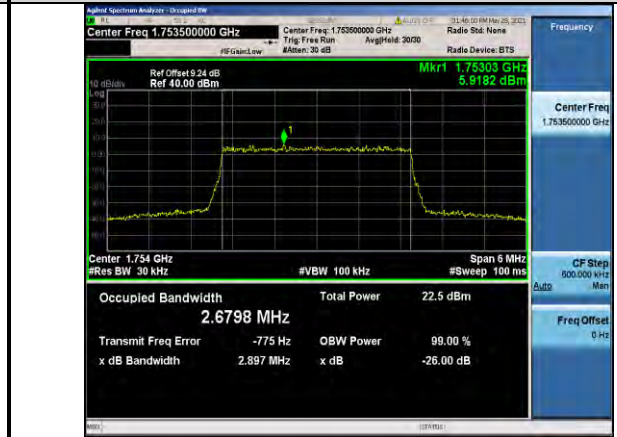
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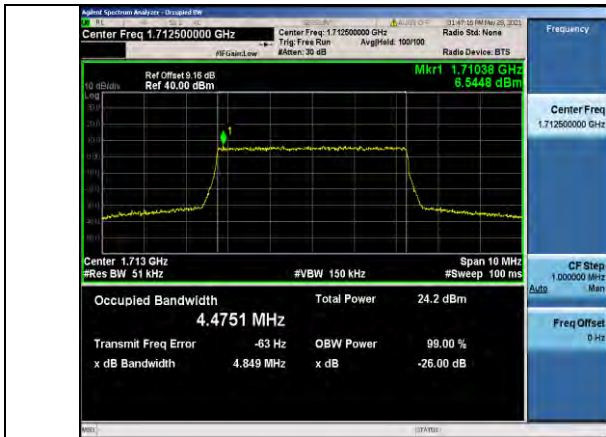
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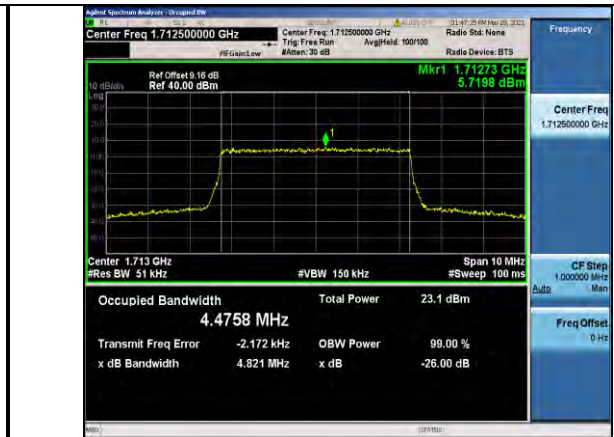
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Band4-3MHz-16QAM-20385-15RB#0-2.6798



Band4-5MHz-QPSK-19975-25RB#0-4.4751



Band4-5MHz-16QAM-19975-25RB#0-4.4758



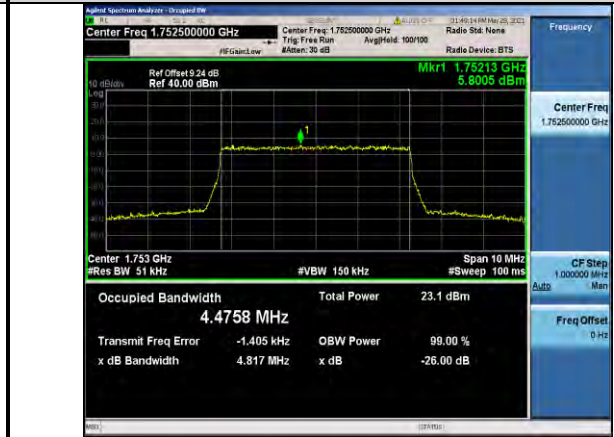
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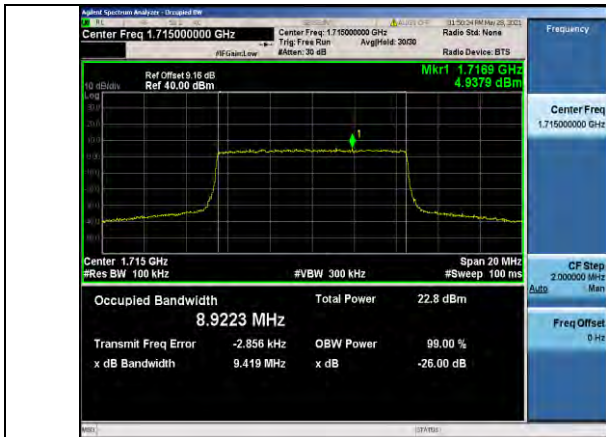
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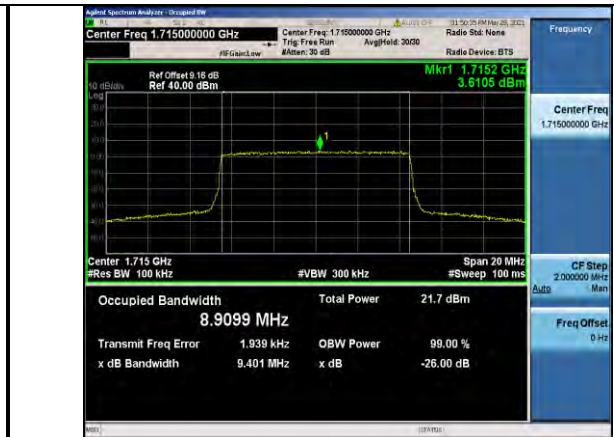
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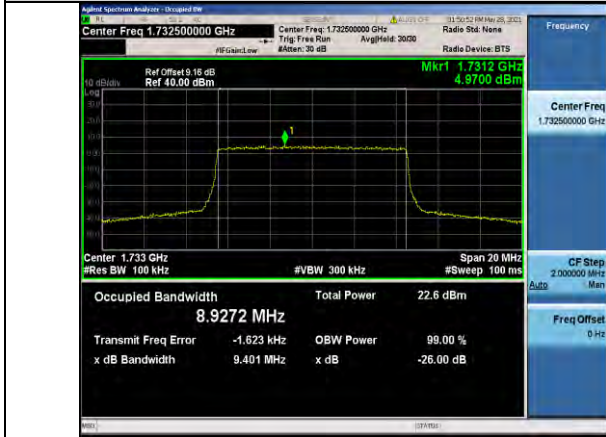
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Band4-10MHz-16QAM-20000-50RB#0-8.9099



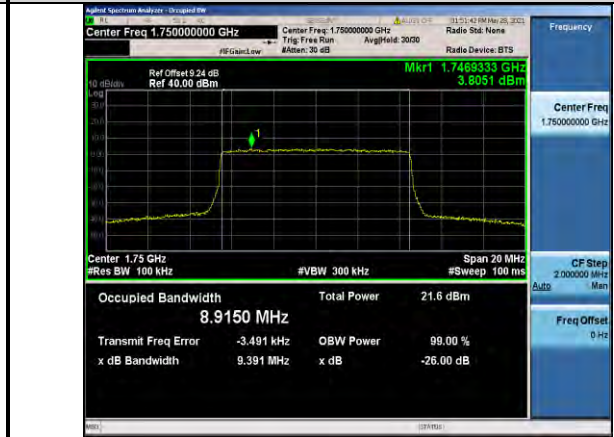
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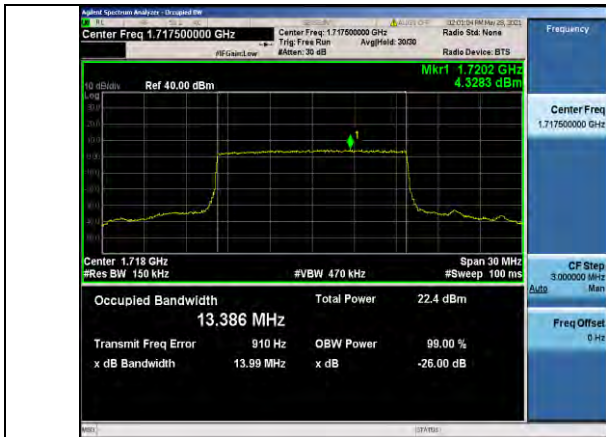
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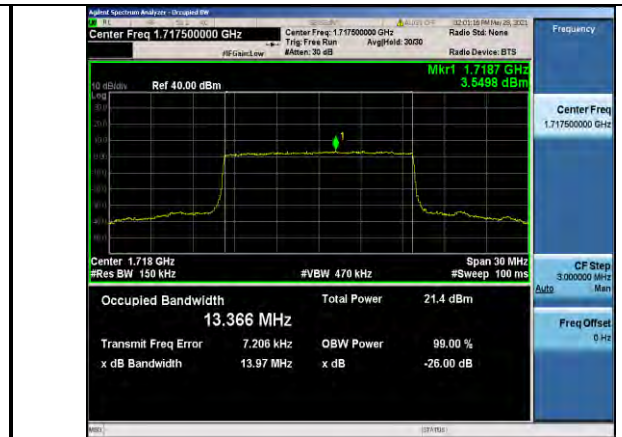
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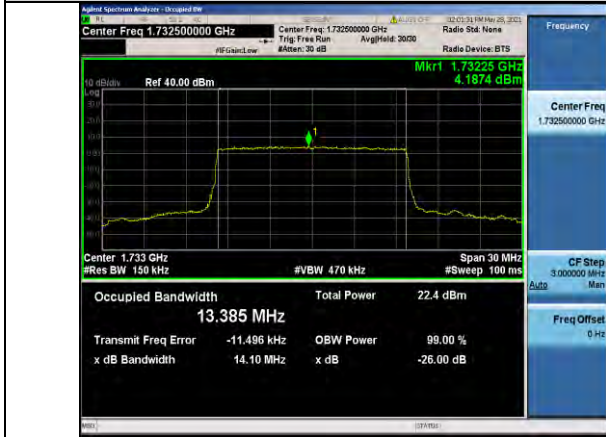
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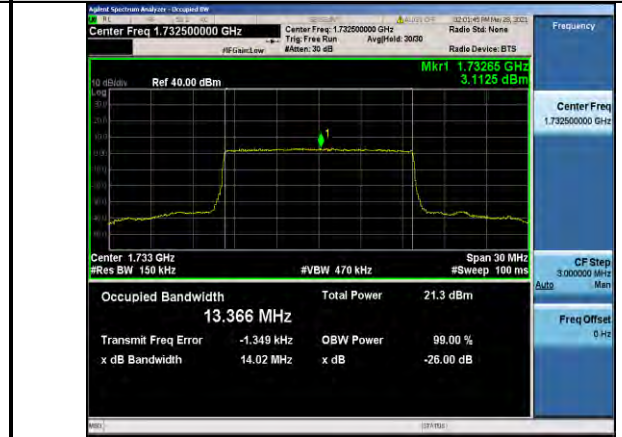
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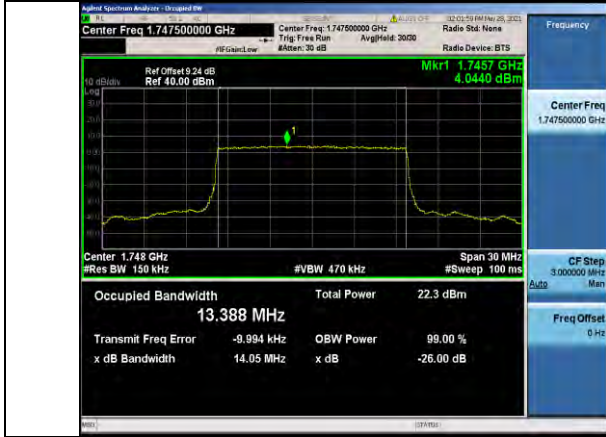
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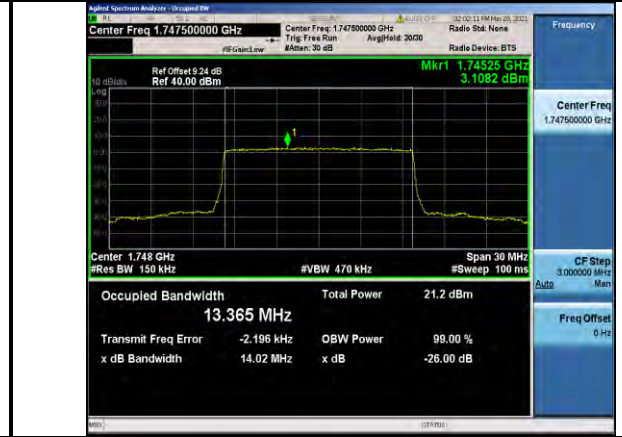
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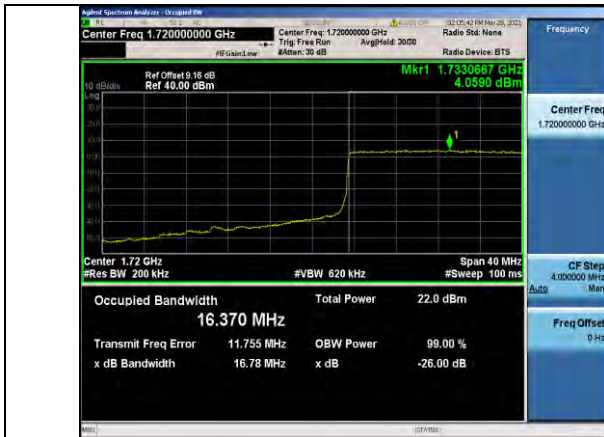
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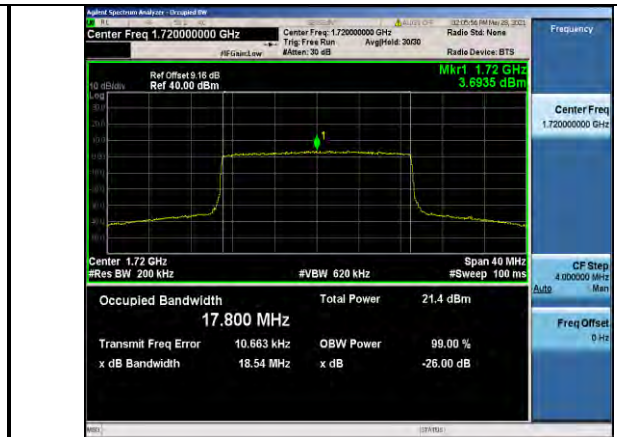
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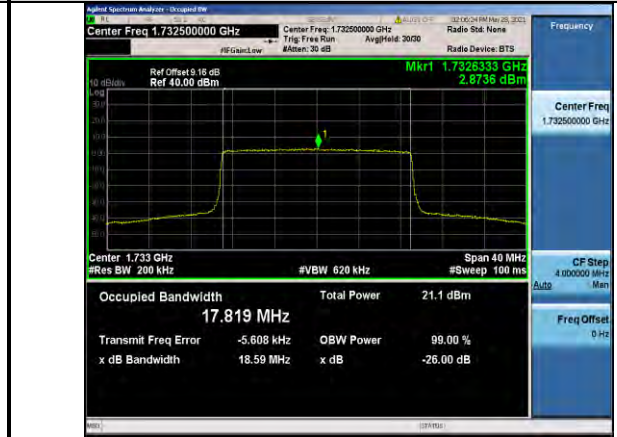
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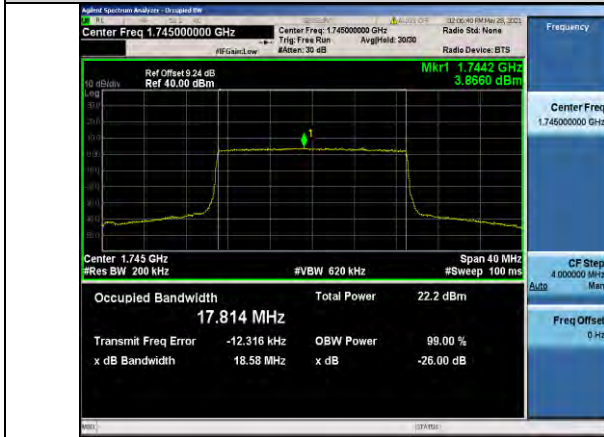
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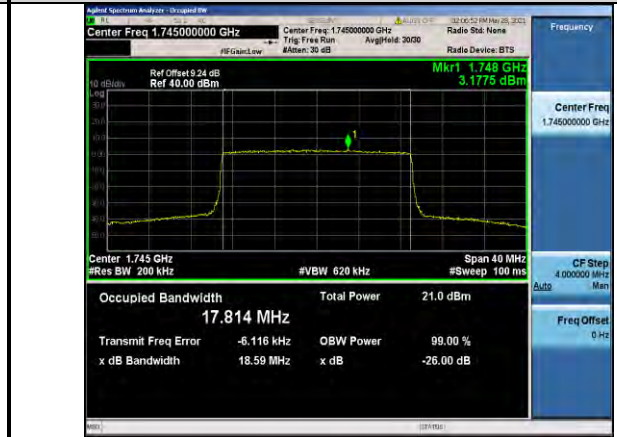
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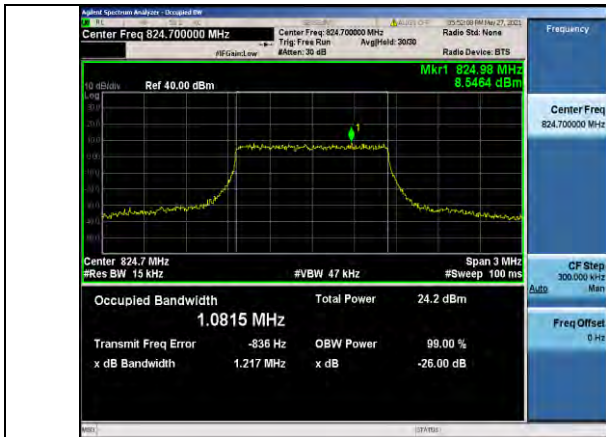
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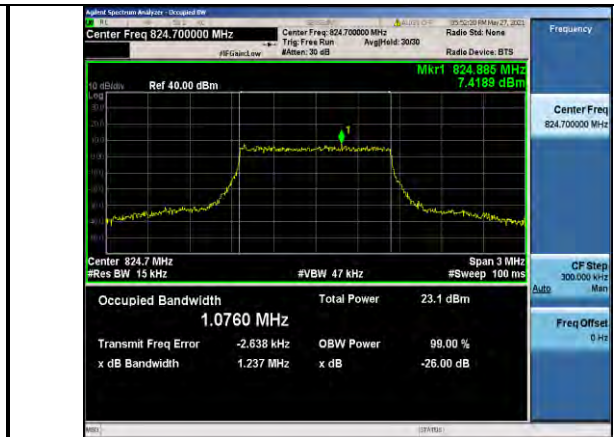
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Band4-20MHz-16QAM-20300-100RB#0-17.814



Band5-1.4MHz-QPSK-20407-6RB#0-1.0815



Band5-1.4MHz-16QAM-20407-6RB#0-1.0760



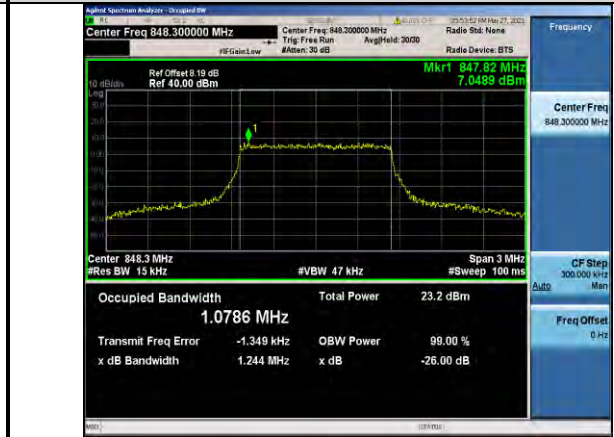
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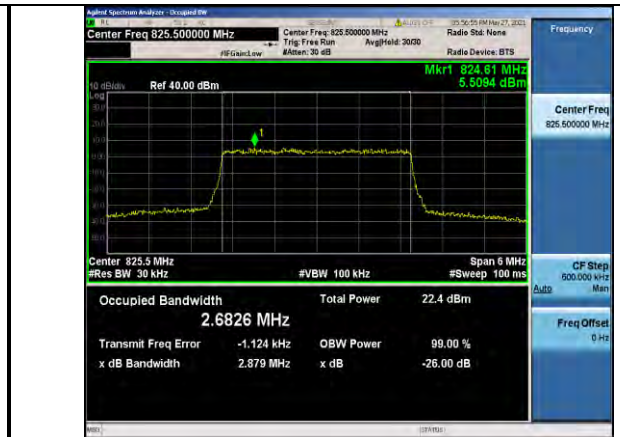
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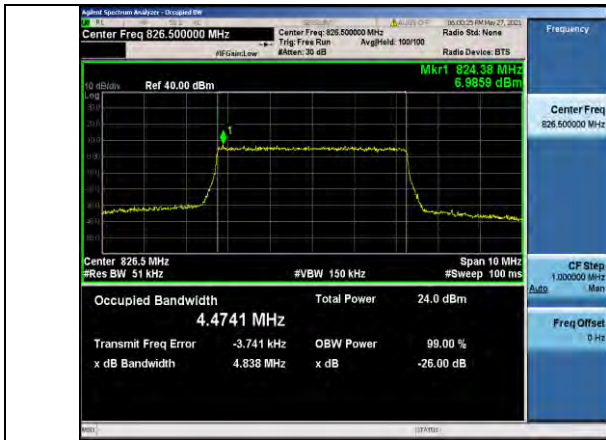
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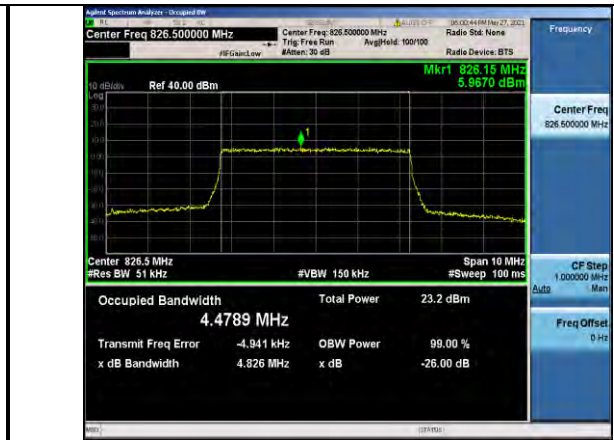
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Band5-3MHz-16QAM-20635-15RB#0-2.6824



Band5-5MHz-QPSK-20425-25RB#0-4.4741



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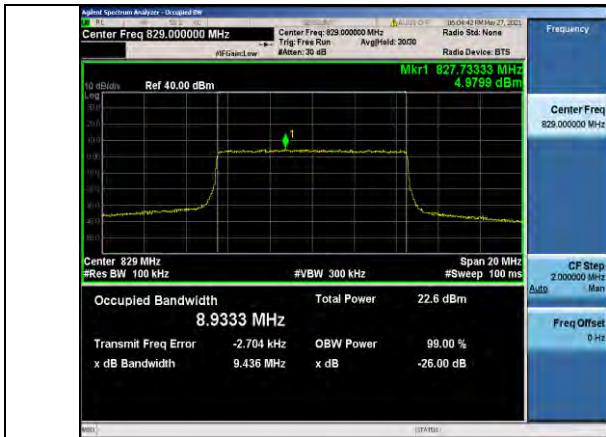
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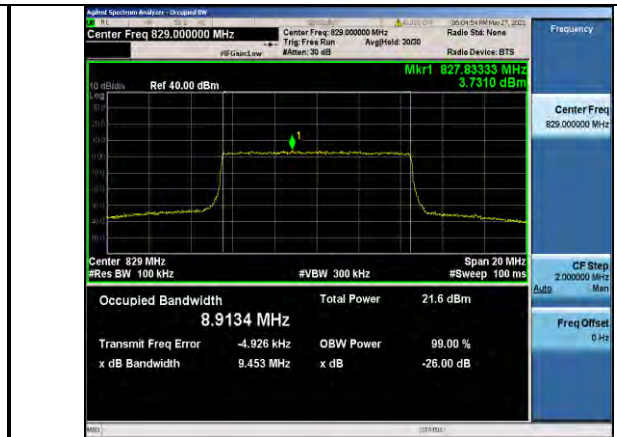
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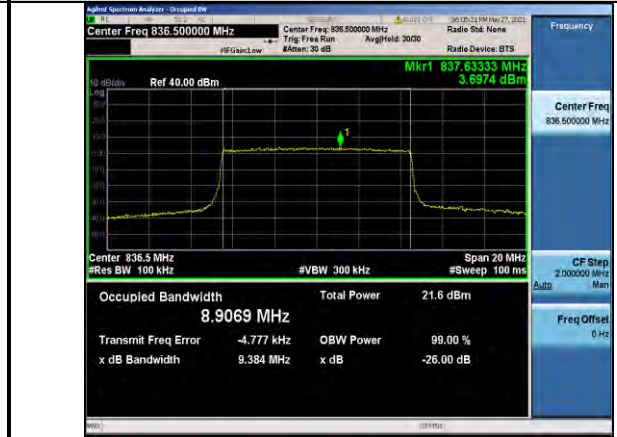
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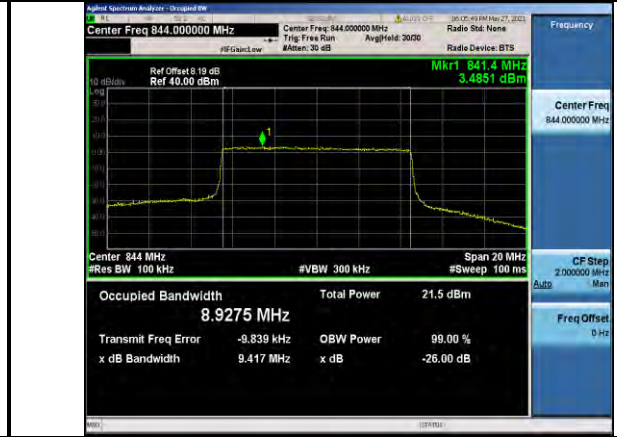
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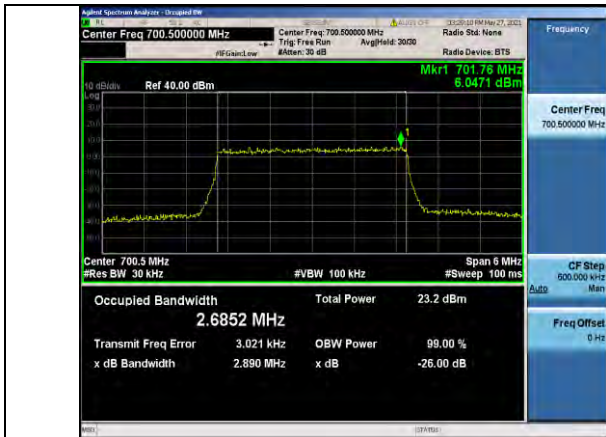
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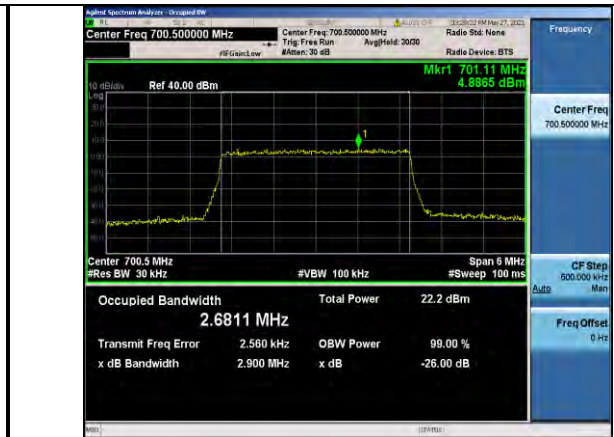
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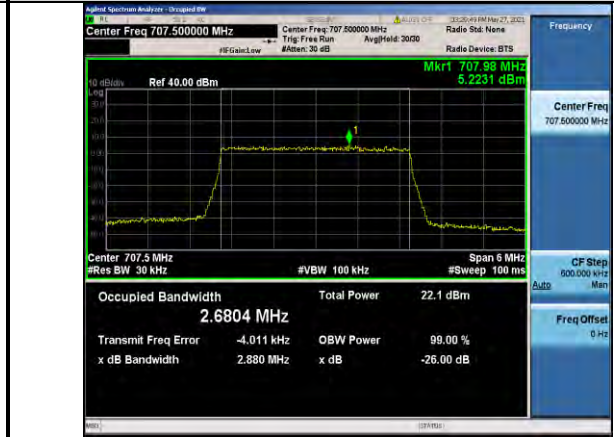
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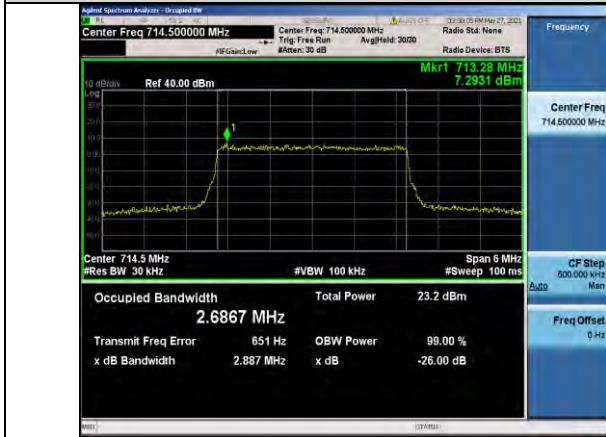
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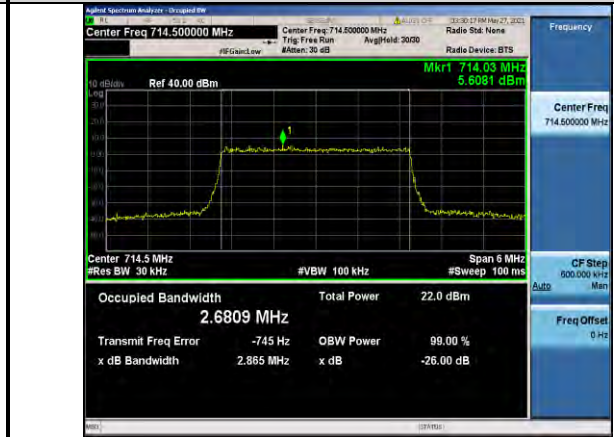
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