TEST REPORT

Product Name : Mercku 5G CPE X6
Model Number : X1NA0
FCC ID : 2APR4-X6

Prepared for	:	Mercku Inc.
Address	:	3600 Steeles Avenue East, Suite C108B,Markham, Ontario,L3R 9Z7,Canada
Prepared by	:	EMTEK (SHENZHEN) CO., LTD.
Address	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Tel: (0755) 26954280 Fax: (0755) 26954282
Report Number	:	ENS2303290179W00104R
Date(s) of Tests	:	April 27, 2023 to May 24, 2023
Date of Issue	:	May 26, 2023

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Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2303290179W00104R	/	Original Report

1 TEST RESULT CERTIFICATION

Applicant	:	Mercku Inc.
Address	:	3600 Steeles Avenue East, Suite C108B,Markham, Ontario,L3R 9Z7,Canada
Manufacturer	:	Mercku Inc.
Address	:	3600 Steeles Avenue East, Suite C108B,Markham, Ontario,L3R 9Z7,Canada
Product Name	:	Mercku 5G CPE X6
Model Number	:	X1NA0
Trademark	:	MERCKU

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 47 CFR Part 2 , Subpart J FCC 47 CFR Part 22, Subpart H FCC 47 CFR Part 24, Subpart E FCC 47 CFR Part 27 FCC 47 CFR Part 90	**PASS**

The device described above is tested by EMTEK (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (Shenzhen) Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the above table standards requirement.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (Shenzhen) Co., Ltd.

Date of Test	:	April 27, 2023 to May 24, 2023
Prepared by	:	Una Yu/Editor
Reviewer	:	Joe Xia/Supervisor
Approved & Authorized Signer	:	Lisa Wang/Manager

EMTEK (SHENZHEN) CO., LTD. TESTING

2 EUT TECHNICAL DESCRIPTION

Product Name:	Mercku 5G CPE X6
Model Number:	X1NA0
Operation Band:	LTE B2/B4/B5/B7/B12/B13/B30/B41/B48/B66/B71
Modulation:	QPSK, 16QAM, 64QAM, 256QAM
Operating Frequency Range(s):	LTE Band 2: Tx: 1850-1910MHz, Rx: 1930-1990MHz LTE Band 4: Tx:1710-1755MHz, Rx: 2110-2155MHz LTE Band 5: Tx: 824-849MHz, Rx: 875-885MHz LTE Band 7: Tx: 2500-2570MHz, Rx: 2620-2690MHz LTE Band 12: Tx: 699-716MHz, Rx: 729-746MHz LTE Band 13: Tx: 777-787MHz, Rx: 746-756MHz LTE Band 30: Tx: 2307-2313MHz, Rx: 2352-2358MHz LTE Band 41: Tx/Rx: 2496-2690MHz LTE Band 48: Tx/Rx: 3552-3698MHz LTE Band 66: Tx/Rx: 1710-1780MHz LTE Band 71: Tx/Rx: 663~698MHz
Antenna Type:	Integrated Antenna
Antenna Gain:	LTE Band B2: Ant1: 4.98dBi, Ant2: 4.98dBi LTE Band B4: Ant1: 4.98dBi, Ant2: 4.98dBi LTE Band B5: Ant1: 4.66dBi, Ant2: 4.66dBi LTE Band B7: Ant1: 5.46dBi, Ant2: 5.46dBi LTE Band B12: Ant1: 4.66dBi, Ant2: 4.66dBi LTE Band B13: Ant1: 4.66dBi, Ant2: 4.66dBi LTE Band B30: Ant1: 5.46dBi, Ant2: 5.46dBi LTE Band B41: Ant1: 5.46dBi, Ant2: 5.46dBi LTE Band B48: Ant1: 5.33dBi, Ant2: 5.33dBi LTE Band B66: Ant1: 4.98dBi, Ant2: 4.98dBi LTE Band B71: Ant1: 4.66dBi, Ant2: 4.66dBi
Power Supply	AC 120V/60Hz by adapter Adapter： Model: P120W2000U Input: 100-240V~50/60Hz, 0.6A Output: 12V, 2A, 24W
Temperature Extreme Range:	0℃ ~ 40℃

Note: *for more details, please refer to the user's manual of the EUT.*

3 SUMMARY OF TEST RESULT

3.1 TEST ITEMS

FCC Rule	Test Parameter	Verdict	Remark
2.1046	RF Power Output	PASS	*
22.913, 24.232, 27.50, 90.635	Equivalent (Isotropic) Radiated Power	PASS	
2.1047	Modulation Characteristics	PASS	*
2.1049	Occupied Bandwidth	PASS	*
2.1051, 22.917, 24.238, 27.53, 90.691	Out of Band Emissions at Antenna Terminals	PASS	*
	Band Edge Compliance	PASS	*
2.1053, 22.917, 24.238, 27.53, 90.691	Field Strength of Spurious Radiation	PASS	
2.1055, 22.355, 24.235, 27.54, 90.213	Frequency Stability versus Temperature	PASS	*
	Frequency Stability versus Voltage	PASS	*
24.232, 27.50	Peak to Average Ratio	PASS	*
Note: * these modules have been tested and comply with the above table standards requirement, according to technical characteristic,only Equivalent (Isotropic) Radiated Power and Field Strength of Spurious Radiation retest for this device, all other test results please reference original module's test report No.: 2204RSU037-U1, 2204RSU037-U4, 2204RSU037-U5.			

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID: 2APR4-X6** filing to comply with the above table standards requirement.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:
FCC 47 CFR Part 2, Subpart J
FCC 47 CFR Part 22H
FCC 47 CFR Part 24E
FCC 47 CFR Part 27
FCC 47 CFR Part 90
KDB971168 D01:v02r02
ANSI/TIA-603-D-2010
ANSI C63.26:2015

4.2 MEASUREMENT EQUIPMENT USED

For Spurious Emissions Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Pre-Amplifier	Bonn	BLMA 011001N	2213967A	2022/10/31	1Year
EMI Test Receiver	Rohde & Schwarz	ESR7	102551	2022/10/31	1Year
Bilog Antenna	Schwarzbeck	VULB9163	9163142	2022/7/24	2Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1198	2021/6/15	2Year
Pre-Amplifier	Bonn	BLMA 0118-5G	2213967B-01	2022/10/31	1Year
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101290	2022/10/31	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2022/5/13 2023/5/12	2Year
Pre-Amplifier	Lunar EM	LNA18G26-40	J1012131010001	2022/5/11 2023/5/10	1Year
Pre-Amplifier	Lunar EM	LNA26G40-40	J1013131028001	2022/5/11 2023/5/10	1Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2022/5/13 2023/5/12	2Year

For Other Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
5G Wireless Test Platform	KEYSIGHT	E7515B	MY60101197	2022/9/17	1Year
Wideband Radio Communication Tester	R&S	CMW500	147366	2022/5/11 2023/5/10	1Year
Signal Analyzer	KEYSIGHT	N9010B	MY60240204	2022/9/26	1Year
Vector Signal Generator	KEYSIGHT	N5182B	MY59100922	2022/9/26	1Year
Analog Signal Generator	KEYSIGHT	N5173B	MY59100520	2022/9/30	1Year
DC Power Supply	KEYSIGHT	E3642A	MY60266212	2022/9/26	1Year
RF Control Unit	Tonscend	JS0806-1	20H8060306	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	20H8060310	N/A	N/A
Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2022/5/11 2023/5/10	1 Year

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition. The CMU200 and CMW500 used to control the EUT staying in continuous transmitting and receiving mode for testing.

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

During all testing, EUT is in link mode with base station emulator at maximum power level.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	60%	
Temperature	25°C	
Voltage	VL	AC 108
	VN	AC 120
	VH	AC 132
NOTE: VL= Lower Extreme Test Voltage. VN= Nominal Voltage. VH= Upper Extreme Test Voltage.		

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

Bldg 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China.
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.26 and CISPR Publication 22.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab. : **Accredited by CNAS**
The Certificate Registration Number is L2291
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC
Designation Number: CN1204
Test Firm Registration Number: 882943

Accredited by A2LA
The Certificate Number is 4321.01

Accredited by Industry Canada
The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

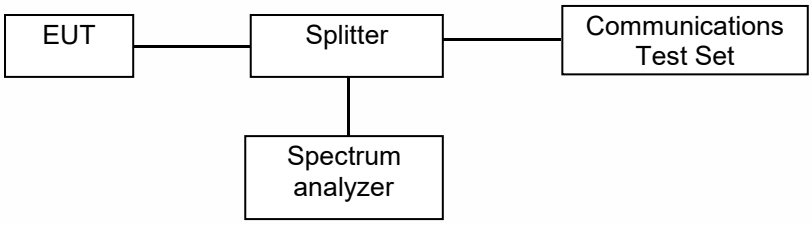
Parameter	Uncertainty
Radio Frequency	±1x10^-5
RF Power Output	±1.0dB
Radiated Emission Test	±2.0dB
Occupied Bandwidth Test	±1.0dB
Band Edge Test	±3dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5℃
Humidity	±3%

Measurement Uncertainty for a level of Confidence of 95%.

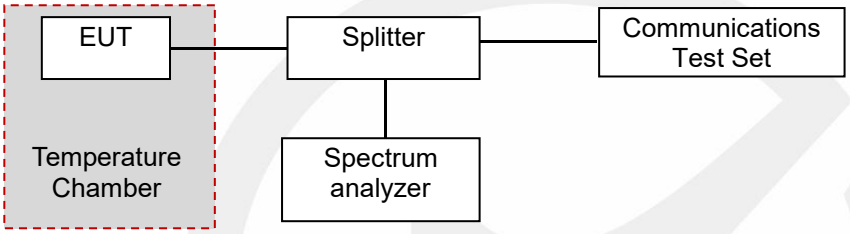
7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP 1

The sample component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP 2



7.3 RADIO FREQUENCY TEST SETUP 3

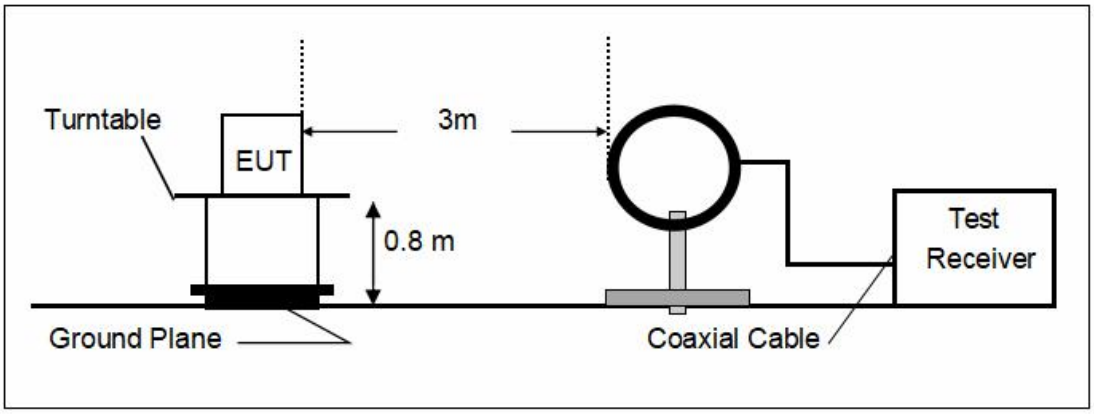
The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.26-2015 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz：
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

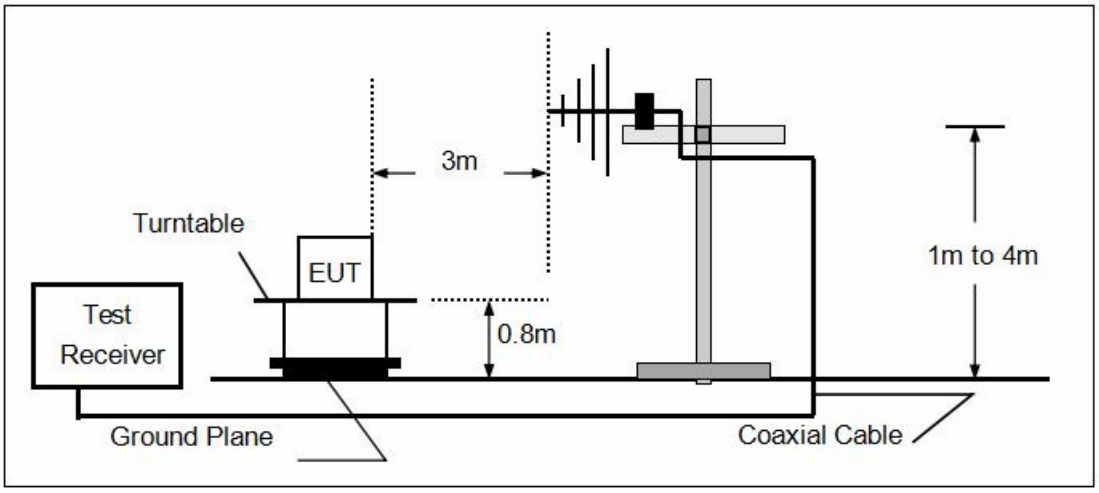
Above 30MHz：
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)
The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

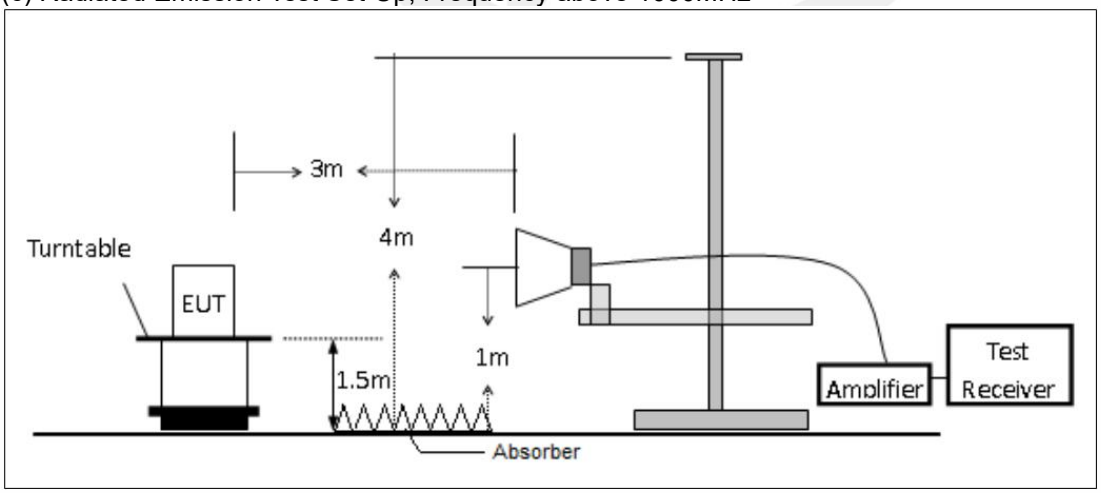
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz



7.4 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number

Notes:

1.All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2.Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3.Unless otherwise denoted as EUT in『Remark』column , device(s) used in tested system is a support equipment.

8 TEST REQUIREMENTS

8.1 EQUIVALENT (ISOTROPIC) RADIATED POWER

Measurement Procedure: FCC KDB 971168 D01 V03r01 ; C63.26 (2015)

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd)

EIRP(dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

Measurement Procedure: FCC KDB 971168 D01 V03r01 ; ANSI/C63.26 (2015)

Below 1GHz test procedure as below:

1). The EUT was powered ON and placed on a 0.8m high table in the chamber. The antenna of the transmitter was extended to its maximum length.

2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.

3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.

4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.

5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.

6). The output power into the substitution antenna was then measured.

7). Steps 5) and 6) were repeated with both antennas polarized.

8). Calculate power in dBm by the following formula:

ERP (dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)

Where:

Pg is the generator output power into the substitution antenna.

Above 1GHz test procedure as below:

1). Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber

2). Calculate power in dBm by the following formula:

EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

Where:

Pg is the generator output power into the substitution antenna.

3). Test the EUT in the lowest channel, the middle channel the Highest channel

4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

5). Repeat above procedures until all frequencies measured was complete.

LTE Band 2

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1850.70	1.4	1	0	23.01	27.99	< 33.01
1882.50				23.36	28.34	< 33.01
1914.30				23.07	28.05	< 33.01
1850.70	1.4	1	2	22.96	27.94	< 33.01
1882.50				23.21	28.19	< 33.01
1914.30				23.15	28.13	< 33.01
1850.70	1.4	1	6	22.96	27.94	< 33.01
1882.50				23.26	28.24	< 33.01
1914.30				23.10	28.08	< 33.01
1850.70	1.4	6	0	22.58	27.56	< 33.01
1882.50				22.77	27.75	< 33.01
1914.30				22.69	27.67	< 33.01
1851.50	3	1	0	23.07	28.05	< 33.01
1882.50				23.18	28.16	< 33.01
1913.50				23.03	28.01	< 33.01
1851.50	3	1	7	23.17	28.15	< 33.01
1882.50				23.31	28.29	< 33.01
1913.50				23.10	28.08	< 33.01
1851.50	3	1	14	23.10	28.08	< 33.01
1882.50				23.02	28.00	< 33.01
1913.50				23.14	28.12	< 33.01
1851.50	3	15	0	22.69	27.67	< 33.01
1882.50				22.56	27.54	< 33.01
1913.50				22.71	27.69	< 33.01

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1852.50	5	1	0	23.03	28.01	< 33.01
1882.50				23.04	28.02	< 33.01
1912.50				23.36	28.34	< 33.01
1852.50	5	1	12	23.10	28.08	< 33.01
1882.50				23.19	28.17	< 33.01
1912.50				23.27	28.25	< 33.01
1852.50	5	1	24	23.12	28.10	< 33.01
1882.50				23.09	28.07	< 33.01
1912.50				23.16	28.14	< 33.01
1852.50	5	25	0	22.59	27.57	< 33.01
1882.50				22.70	27.68	< 33.01
1912.50				22.74	27.72	< 33.01
1855.00	10	1	0	23.03	28.01	< 33.01
1882.50				22.98	27.96	< 33.01
1910.00				23.16	28.14	< 33.01
1855.00	10	1	24	23.18	28.16	< 33.01
1882.50				23.06	28.04	< 33.01
1910.00				23.26	28.24	< 33.01
1855.00	10	1	49	23.04	28.02	< 33.01
1882.50				23.07	28.05	< 33.01
1910.00				23.19	28.17	< 33.01
1855.00	10	50	0	22.67	27.65	< 33.01
1882.50				22.70	27.68	< 33.01
1910.00				22.78	27.76	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1857.50	15	1	0	23.13	28.11	< 33.01
1882.50				23.06	28.04	< 33.01
1907.50				23.11	28.09	< 33.01
1857.50	15	1	37	22.87	27.85	< 33.01
1882.50				23.11	28.09	< 33.01
1907.50				23.03	28.01	< 33.01
1857.50	15	1	74	23.23	28.21	< 33.01
1882.50				23.17	28.15	< 33.01
1907.50				23.06	28.04	< 33.01
1857.50	15	75	0	22.57	27.55	< 33.01
1882.50				22.74	27.72	< 33.01
1907.50				22.57	27.55	< 33.01
1860.00	20	1	0	23.31	28.29	< 33.01
1882.50				22.99	27.97	< 33.01
1905.00				23.15	28.13	< 33.01
1860.00	20	1	49	22.98	27.96	< 33.01
1882.50				23.07	28.05	< 33.01
1905.00				23.28	28.26	< 33.01
1860.00	20	1	99	23.27	28.25	< 33.01
1882.50				23.45	28.43	< 33.01
1905.00				23.41	28.39	< 33.01
1860.00	20	100	0	22.58	27.56	< 33.01
1882.50				22.63	27.61	< 33.01
1905.00				22.68	27.66	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1850.70	1.4	1	0	22.58	27.56	< 33.01
1882.50				22.85	27.83	< 33.01
1914.30				22.57	27.55	< 33.01
1850.70	1.4	1	2	22.42	27.40	< 33.01
1882.50				22.67	27.65	< 33.01
1914.30				22.67	27.65	< 33.01
1850.70	1.4	1	6	22.45	27.43	< 33.01
1882.50				22.76	27.74	< 33.01
1914.30				22.63	27.61	< 33.01
1850.70	1.4	6	0	21.54	26.52	< 33.01
1882.50				21.71	26.69	< 33.01
1914.30				21.56	26.54	< 33.01
1851.50	3	1	0	22.57	27.55	< 33.01
1882.50				22.99	27.97	< 33.01
1913.50				22.71	27.69	< 33.01
1851.50	3	1	7	22.67	27.65	< 33.01
1882.50				23.13	28.11	< 33.01
1913.50				22.96	27.94	< 33.01
1851.50	3	1	14	22.63	27.61	< 33.01
1882.50				22.45	27.43	< 33.01
1913.50				23.05	28.03	< 33.01
1851.50	3	15	0	21.56	26.54	< 33.01
1882.50				21.59	26.57	< 33.01
1913.50				21.71	26.69	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1852.50	5	1	0	22.73	27.71	< 33.01
1882.50				23.13	28.11	< 33.01
1912.50				22.99	27.97	< 33.01
1852.50	5	1	12	22.71	27.69	< 33.01
1882.50				23.12	28.10	< 33.01
1912.50				23.05	28.03	< 33.01
1852.50	5	1	24	22.82	27.80	< 33.01
1882.50				22.78	27.76	< 33.01
1912.50				23.05	28.03	< 33.01
1852.50	5	25	0	21.67	26.65	< 33.01
1882.50				21.65	26.63	< 33.01
1912.50				21.76	26.74	< 33.01
1855.00	10	1	0	22.83	27.81	< 33.01
1882.50				22.57	27.55	< 33.01
1910.00				22.99	27.97	< 33.01
1855.00	10	1	24	22.88	27.86	< 33.01
1882.50				22.54	27.52	< 33.01
1910.00				22.98	27.96	< 33.01
1855.00	10	1	49	22.73	27.71	< 33.01
1882.50				22.83	27.81	< 33.01
1910.00				22.94	27.92	< 33.01
1855.00	10	50	0	21.68	26.66	< 33.01
1882.50				21.71	26.69	< 33.01
1910.00				21.82	26.80	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1857.50	15	1	0	22.52	27.50	< 33.01
1882.50				22.74	27.72	< 33.01
1907.50				22.52	27.50	< 33.01
1857.50	15	1	37	22.72	27.70	< 33.01
1882.50				22.68	27.66	< 33.01
1907.50				22.85	27.83	< 33.01
1857.50	15	1	74	22.72	27.70	< 33.01
1882.50				22.97	27.95	< 33.01
1907.50				22.83	27.81	< 33.01
1857.50	15	75	0	21.66	26.64	< 33.01
1882.50				21.65	26.63	< 33.01
1907.50				21.69	26.67	< 33.01
1860.00	20	1	0	22.65	27.63	< 33.01
1882.50				23.38	28.36	< 33.01
1905.00				23.07	28.05	< 33.01
1860.00	20	1	49	22.53	27.51	< 33.01
1882.50				22.78	27.76	< 33.01
1905.00				22.74	27.72	< 33.01
1860.00	20	1	99	22.89	27.87	< 33.01
1882.50				22.93	27.91	< 33.01
1905.00				22.84	27.82	< 33.01
1860.00	20	100	0	21.64	26.62	< 33.01
1882.50				21.66	26.64	< 33.01
1905.00				21.71	26.69	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1850.70	1.4	1	0	21.64	26.62	< 33.01
1882.50				21.79	26.77	< 33.01
1914.30				21.54	26.52	< 33.01
1850.70	1.4	1	2	21.58	26.56	< 33.01
1882.50				21.83	26.81	< 33.01
1914.30				21.62	26.60	< 33.01
1850.70	1.4	1	6	21.63	26.61	< 33.01
1882.50				21.79	26.77	< 33.01
1914.30				21.60	26.58	< 33.01
1850.70	1.4	6	0	20.52	25.50	< 33.01
1882.50				20.63	25.61	< 33.01
1914.30				20.53	25.51	< 33.01
1851.50	3	1	0	21.63	26.61	< 33.01
1882.50				21.77	26.75	< 33.01
1913.50				21.48	26.46	< 33.01
1851.50	3	1	7	21.57	26.55	< 33.01
1882.50				21.79	26.77	< 33.01
1913.50				21.51	26.49	< 33.01
1851.50	3	1	14	21.60	26.58	< 33.01
1882.50				21.86	26.84	< 33.01
1913.50				21.64	26.62	< 33.01
1851.50	3	15	0	20.58	25.56	< 33.01
1882.50				20.66	25.64	< 33.01
1913.50				20.62	25.60	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1852.50	5	1	0	21.53	26.51	< 33.01
1882.50				21.91	26.89	< 33.01
1912.50				21.65	26.63	< 33.01
1852.50	5	1	12	21.55	26.53	< 33.01
1882.50				21.96	26.94	< 33.01
1912.50				21.68	26.66	< 33.01
1852.50	5	1	24	21.58	26.56	< 33.01
1882.50				21.75	26.73	< 33.01
1912.50				21.59	26.57	< 33.01
1852.50	5	25	0	20.56	25.54	< 33.01
1882.50				20.58	25.56	< 33.01
1912.50				20.61	25.59	< 33.01
1855.00	10	1	0	21.57	26.55	< 33.01
1882.50				21.73	26.71	< 33.01
1910.00				21.56	26.54	< 33.01
1855.00	10	1	24	21.68	26.66	< 33.01
1882.50				21.77	26.75	< 33.01
1910.00				21.73	26.71	< 33.01
1855.00	10	1	49	21.56	26.54	< 33.01
1882.50				21.72	26.70	< 33.01
1910.00				21.79	26.77	< 33.01
1855.00	10	50	0	20.59	25.57	< 33.01
1882.50				20.73	25.71	< 33.01
1910.00				20.68	25.66	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1857.50	15	1	0	21.57	26.55	< 33.01
1882.50				21.68	26.66	< 33.01
1907.50				21.47	26.45	< 33.01
1857.50	15	1	37	21.43	26.41	< 33.01
1882.50				21.72	26.70	< 33.01
1907.50				21.63	26.61	< 33.01
1857.50	15	1	74	21.68	26.66	< 33.01
1882.50				21.63	26.61	< 33.01
1907.50				21.48	26.46	< 33.01
1857.50	15	75	0	20.44	25.42	< 33.01
1882.50				20.66	25.64	< 33.01
1907.50				20.51	25.49	< 33.01
1860.00	20	1	0	21.60	26.58	< 33.01
1882.50				21.67	26.65	< 33.01
1905.00				21.66	26.64	< 33.01
1860.00	20	1	49	21.85	26.83	< 33.01
1882.50				21.58	26.56	< 33.01
1905.00				21.59	26.57	< 33.01
1860.00	20	1	99	21.55	26.53	< 33.01
1882.50				21.68	26.66	< 33.01
1905.00				21.58	26.56	< 33.01
1860.00	20	100	0	20.56	25.54	< 33.01
1882.50				20.53	25.51	< 33.01
1905.00				20.59	25.57	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
1850.70	1.4	1	0	18.67	23.65	< 33.01
1882.50				18.80	23.78	< 33.01
1914.30				18.50	23.48	< 33.01
1850.70	1.4	1	2	18.58	23.56	< 33.01
1882.50				18.98	23.96	< 33.01
1914.30				18.61	23.59	< 33.01
1850.70	1.4	1	6	18.86	23.84	< 33.01
1882.50				18.72	23.70	< 33.01
1914.30				18.59	23.57	< 33.01
1850.70	1.4	6	0	18.57	23.55	< 33.01
1882.50				18.70	23.68	< 33.01
1914.30				18.49	23.47	< 33.01
1851.50	3	1	0	18.60	23.58	< 33.01
1882.50				18.95	23.93	< 33.01
1913.50				18.49	23.47	< 33.01
1851.50	3	1	7	18.75	23.73	< 33.01
1882.50				18.81	23.79	< 33.01
1913.50				18.80	23.78	< 33.01
1851.50	3	1	14	18.71	23.69	< 33.01
1882.50				18.75	23.73	< 33.01
1913.50				18.79	23.77	< 33.01
1851.50	3	15	0	18.53	23.51	< 33.01
1882.50				18.59	23.57	< 33.01
1913.50				18.58	23.56	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
1852.50	5	1	0	18.83	23.81	< 33.01
1882.50				18.76	23.74	< 33.01
1912.50				18.77	23.75	< 33.01
1852.50	5	1	12	18.66	23.64	< 33.01
1882.50				18.97	23.95	< 33.01
1912.50				18.77	23.75	< 33.01
1852.50	5	1	24	18.85	23.83	< 33.01
1882.50				18.91	23.89	< 33.01
1912.50				18.88	23.86	< 33.01
1852.50	5	25	0	18.58	23.56	< 33.01
1882.50				18.63	23.61	< 33.01
1912.50				18.62	23.60	< 33.01
1855.00	10	1	0	18.68	23.66	< 33.01
1882.50				18.78	23.76	< 33.01
1910.00				18.88	23.86	< 33.01
1855.00	10	1	24	18.67	23.65	< 33.01
1882.50				18.93	23.91	< 33.01
1910.00				18.77	23.75	< 33.01
1855.00	10	1	49	18.81	23.79	< 33.01
1882.50				18.91	23.89	< 33.01
1910.00				18.67	23.65	< 33.01
1855.00	10	50	0	18.69	23.67	< 33.01
1882.50				18.69	23.67	< 33.01
1910.00				18.65	23.63	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
1857.50	15	1	0	18.58	23.56	< 33.01
1882.50				18.77	23.75	< 33.01
1907.50				18.74	23.72	< 33.01
1857.50	15	1	37	18.48	23.46	< 33.01
1882.50				18.84	23.82	< 33.01
1907.50				18.65	23.63	< 33.01
1857.50	15	1	74	19.01	23.99	< 33.01
1882.50				18.67	23.65	< 33.01
1907.50				18.73	23.71	< 33.01
1857.50	15	75	0	18.52	23.50	< 33.01
1882.50				18.54	23.52	< 33.01
1907.50				18.61	23.59	< 33.01
1860.00	20	1	0	18.63	23.61	< 33.01
1882.50				18.84	23.82	< 33.01
1905.00				18.67	23.65	< 33.01
1860.00	20	1	49	18.99	23.97	< 33.01
1882.50				18.81	23.79	< 33.01
1905.00				18.90	23.88	< 33.01
1860.00	20	1	99	18.56	23.54	< 33.01
1882.50				18.95	23.93	< 33.01
1905.00				18.64	23.62	< 33.01
1860.00	20	100	0	18.54	23.52	< 33.01
1882.50				18.54	23.52	< 33.01
1905.00				18.61	23.59	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

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Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1710.70	1.4	1	0	23.08	28.06	< 30.00
1745.00				22.99	27.97	< 30.00
1779.30				22.24	27.22	< 30.00
1710.70	1.4	1	2	22.99	27.97	< 30.00
1745.00				23.12	28.10	< 30.00
1779.30				22.16	27.14	< 30.00
1710.70	1.4	1	6	23.00	27.98	< 30.00
1745.00				23.13	28.11	< 30.00
1779.30				22.16	27.14	< 30.00
1710.70	1.4	6	0	22.58	27.56	< 30.00
1745.00				22.65	27.63	< 30.00
1779.30				21.18	26.16	< 30.00
1711.50	3	1	0	22.93	27.91	< 30.00
1745.00				22.99	27.97	< 30.00
1778.50				22.39	27.37	< 30.00
1711.50	3	1	7	22.98	27.96	< 30.00
1745.00				23.19	28.17	< 30.00
1778.50				22.28	27.26	< 30.00
1711.50	3	1	14	22.16	27.14	< 30.00
1745.00				22.92	27.90	< 30.00
1778.50				23.07	28.05	< 30.00
1711.50	3	15	0	21.18	26.16	< 30.00
1745.00				22.59	27.57	< 30.00
1778.50				22.61	27.59	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1712.50	5	1	0	22.39	27.37	< 30.00
1745.00				22.91	27.89	< 30.00
1777.50				23.14	28.12	< 30.00
1712.50	5	1	12	22.28	27.26	< 30.00
1745.00				23.06	28.04	< 30.00
1777.50				23.20	28.18	< 30.00
1712.50	5	1	24	22.16	27.14	< 30.00
1745.00				23.03	28.01	< 30.00
1777.50				23.19	28.17	< 30.00
1712.50	5	25	0	21.29	26.27	< 30.00
1745.00				22.61	27.59	< 30.00
1777.50				22.62	27.60	< 30.00
1715.00	10	1	0	22.57	27.55	< 30.00
1745.00				22.99	27.97	< 30.00
1775.00				23.06	28.04	< 30.00
1715.00	10	1	24	22.39	27.37	< 30.00
1745.00				23.04	28.02	< 30.00
1775.00				23.18	28.16	< 30.00
1715.00	10	1	49	22.27	27.25	< 30.00
1745.00				22.92	27.90	< 30.00
1775.00				23.15	28.13	< 30.00
1715.00	10	50	0	21.39	26.37	< 30.00
1745.00				22.58	27.56	< 30.00
1775.00				22.61	27.59	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1717.50	15	1	0	22.87	27.85	< 30.00
1745.00				23.06	28.04	< 30.00
1772.50				22.93	27.91	< 30.00
1717.50	15	1	37	22.92	27.90	< 30.00
1745.00				23.08	28.06	< 30.00
1772.50				22.42	27.40	< 30.00
1717.50	15	1	74	22.87	27.85	< 30.00
1745.00				23.04	28.02	< 30.00
1772.50				22.03	27.01	< 30.00
1717.50	15	75	0	22.50	27.48	< 30.00
1745.00				22.53	27.51	< 30.00
1772.50				21.50	26.48	< 30.00
1720.00	20	1	0	22.84	27.82	< 30.00
1745.00				22.86	27.84	< 30.00
1770.00				22.95	27.93	< 30.00
1720.00	20	1	49	22.97	27.95	< 30.00
1745.00				23.08	28.06	< 30.00
1770.00				22.43	27.41	< 30.00
1720.00	20	1	99	22.91	27.89	< 30.00
1745.00				23.11	28.09	< 30.00
1770.00				22.12	27.10	< 30.00
1720.00	20	100	0	22.46	27.44	< 30.00
1745.00				22.63	27.61	< 30.00
1770.00				22.36	27.34	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1710.70	1.4	1	0	22.54	27.52	< 30.00
1745.00				22.56	27.54	< 30.00
1779.30				21.35	26.33	< 30.00
1710.70	1.4	1	2	22.69	27.67	< 30.00
1745.00				22.68	27.66	< 30.00
1779.30				21.29	26.27	< 30.00
1710.70	1.4	1	6	22.60	27.58	< 30.00
1745.00				22.75	27.73	< 30.00
1779.30				21.23	26.21	< 30.00
1710.70	1.4	6	0	21.45	26.43	< 30.00
1745.00				21.65	26.63	< 30.00
1779.30				20.26	25.24	< 30.00
1711.50	3	1	0	21.35	26.33	< 30.00
1745.00				22.55	27.53	< 30.00
1778.50				22.80	27.78	< 30.00
1711.50	3	1	7	21.29	26.27	< 30.00
1745.00				22.69	27.67	< 30.00
1778.50				23.05	28.03	< 30.00
1711.50	3	1	14	21.23	26.21	< 30.00
1745.00				22.47	27.45	< 30.00
1778.50				22.67	27.65	< 30.00
1711.50	3	15	0	20.26	25.24	< 30.00
1745.00				21.62	26.60	< 30.00
1778.50				21.63	26.61	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1712.50	5	1	0	21.56	26.54	< 30.00
1745.00				22.83	27.81	< 30.00
1777.50				22.80	27.78	< 30.00
1712.50	5	1	12	21.48	26.46	< 30.00
1745.00				22.87	27.85	< 30.00
1777.50				22.98	27.96	< 30.00
1712.50	5	1	24	21.45	26.43	< 30.00
1745.00				22.67	27.65	< 30.00
1777.50				22.78	27.76	< 30.00
1712.50	5	25	0	20.31	25.29	< 30.00
1745.00				21.63	26.61	< 30.00
1777.50				21.66	26.64	< 30.00
1715.00	10	1	0	21.58	26.56	< 30.00
1745.00				22.69	27.67	< 30.00
1775.00				22.85	27.83	< 30.00
1715.00	10	1	24	21.61	26.59	< 30.00
1745.00				22.60	27.58	< 30.00
1775.00				22.78	27.76	< 30.00
1715.00	10	1	49	21.50	26.48	< 30.00
1745.00				22.79	27.77	< 30.00
1775.00				22.69	27.67	< 30.00
1715.00	10	50	0	20.41	25.39	< 30.00
1745.00				21.58	26.56	< 30.00
1775.00				21.61	26.59	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1717.50	15	1	0	22.46	27.44	< 30.00
1745.00				22.60	27.58	< 30.00
1772.50				22.67	27.65	< 30.00
1717.50	15	1	37	22.89	27.87	< 30.00
1745.00				22.70	27.68	< 30.00
1772.50				21.64	26.62	< 30.00
1717.50	15	1	74	22.59	27.57	< 30.00
1745.00				22.78	27.76	< 30.00
1772.50				21.07	26.05	< 30.00
1717.50	15	75	0	21.52	26.50	< 30.00
1745.00				21.54	26.52	< 30.00
1772.50				20.50	25.48	< 30.00
1720.00	20	1	0	22.50	27.48	< 30.00
1745.00				22.54	27.52	< 30.00
1770.00				22.48	27.46	< 30.00
1720.00	20	1	49	22.56	27.54	< 30.00
1745.00				23.01	27.99	< 30.00
1770.00				21.57	26.55	< 30.00
1720.00	20	1	99	22.68	27.66	< 30.00
1745.00				22.84	27.82	< 30.00
1770.00				21.39	26.37	< 30.00
1720.00	20	100	0	21.47	26.45	< 30.00
1745.00				21.54	26.52	< 30.00
1770.00				20.86	25.84	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1710.70	1.4	1	0	21.48	26.46	< 30.00
1745.00				21.58	26.56	< 30.00
1779.30				20.52	25.50	< 30.00
1710.70	1.4	1	2	21.41	26.39	< 30.00
1745.00				21.74	26.72	< 30.00
1779.30				20.23	25.21	< 30.00
1710.70	1.4	1	6	21.52	26.50	< 30.00
1745.00				21.67	26.65	< 30.00
1779.30				20.27	25.25	< 30.00
1710.70	1.4	6	0	20.50	25.48	< 30.00
1745.00				20.61	25.59	< 30.00
1779.30				19.07	24.05	< 30.00
1711.50	3	1	0	21.50	26.48	< 30.00
1745.00				21.67	26.65	< 30.00
1778.50				20.59	25.57	< 30.00
1711.50	3	1	7	21.65	26.63	< 30.00
1745.00				21.50	26.48	< 30.00
1778.50				20.42	25.40	< 30.00
1711.50	3	1	14	21.33	26.31	< 30.00
1745.00				21.65	26.63	< 30.00
1778.50				20.23	25.21	< 30.00
1711.50	3	15	0	20.47	25.45	< 30.00
1745.00				20.60	25.58	< 30.00
1778.50				19.24	24.22	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1712.50	5	1	0	21.58	26.56	< 30.00
1745.00				21.55	26.53	< 30.00
1777.50				20.82	25.80	< 30.00
1712.50	5	1	12	21.50	26.48	< 30.00
1745.00				21.76	26.74	< 30.00
1777.50				20.56	25.54	< 30.00
1712.50	5	1	24	21.63	26.61	< 30.00
1745.00				21.80	26.78	< 30.00
1777.50				20.58	25.56	< 30.00
1712.50	5	25	0	20.55	25.53	< 30.00
1745.00				20.47	25.45	< 30.00
1777.50				19.28	24.26	< 30.00
1715.00	10	1	0	21.47	26.45	< 30.00
1745.00				21.53	26.51	< 30.00
1775.00				20.78	25.76	< 30.00
1715.00	10	1	24	21.72	26.70	< 30.00
1745.00				21.60	26.58	< 30.00
1775.00				20.70	25.68	< 30.00
1715.00	10	1	49	21.71	26.69	< 30.00
1745.00				21.69	26.67	< 30.00
1775.00				20.53	25.51	< 30.00
1715.00	10	50	0	20.48	25.46	< 30.00
1745.00				20.55	25.53	< 30.00
1775.00				19.49	24.47	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
1717.50	15	1	0	21.39	26.37	< 30.00
1745.00				21.54	26.52	< 30.00
1772.50				21.19	26.17	< 30.00
1717.50	15	1	37	21.64	26.62	< 30.00
1745.00				21.72	26.70	< 30.00
1772.50				20.38	25.36	< 30.00
1717.50	15	1	74	21.56	26.54	< 30.00
1745.00				21.76	26.74	< 30.00
1772.50				20.03	25.01	< 30.00
1717.50	15	75	0	20.30	25.28	< 30.00
1745.00				20.37	25.35	< 30.00
1772.50				19.41	24.39	< 30.00
1720.00	20	1	0	21.32	26.30	< 30.00
1745.00				21.44	26.42	< 30.00
1770.00				21.52	26.50	< 30.00
1720.00	20	1	49	21.56	26.54	< 30.00
1745.00				21.54	26.52	< 30.00
1770.00				20.45	25.43	< 30.00
1720.00	20	1	99	21.44	26.42	< 30.00
1745.00				21.67	26.65	< 30.00
1770.00				20.30	25.28	< 30.00
1720.00	20	100	0	20.36	25.34	< 30.00
1745.00				20.54	25.52	< 30.00
1770.00				20.27	25.25	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
1710.70	1.4	1	0	18.69	23.67	< 30.00
1745.00				18.75	23.73	< 30.00
1779.30				18.35	23.33	< 30.00
1710.70	1.4	1	2	18.63	23.61	< 30.00
1745.00				18.83	23.81	< 30.00
1779.30				18.28	23.26	< 30.00
1710.70	1.4	1	6	18.47	23.45	< 30.00
1745.00				18.65	23.63	< 30.00
1779.30				18.15	23.13	< 30.00
1710.70	1.4	6	0	18.48	23.46	< 30.00
1745.00				18.51	23.49	< 30.00
1779.30				18.17	23.15	< 30.00
1711.50	3	1	0	18.48	23.46	< 30.00
1745.00				18.84	23.82	< 30.00
1778.50				18.47	23.45	< 30.00
1711.50	3	1	7	18.78	23.76	< 30.00
1745.00				18.71	23.69	< 30.00
1778.50				18.45	23.43	< 30.00
1711.50	3	1	14	18.51	23.49	< 30.00
1745.00				18.51	23.49	< 30.00
1778.50				18.17	23.15	< 30.00
1711.50	3	15	0	18.48	23.46	< 30.00
1745.00				18.57	23.55	< 30.00
1778.50				18.27	23.25	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
1717.50	15	1	0	18.49	23.47	< 30.00
1745.00				18.50	23.48	< 30.00
1772.50				18.56	23.54	< 30.00
1717.50	15	1	37	18.52	23.50	< 30.00
1745.00				18.69	23.67	< 30.00
1772.50				18.56	23.54	< 30.00
1717.50	15	1	74	18.73	23.71	< 30.00
1745.00				18.75	23.73	< 30.00
1772.50				18.90	23.88	< 30.00
1717.50	15	75	0	18.40	23.38	< 30.00
1745.00				18.41	23.39	< 30.00
1772.50				18.50	23.48	< 30.00
1720.00	20	1	0	18.57	23.55	< 30.00
1745.00				18.59	23.57	< 30.00
1770.00				18.80	23.78	< 30.00
1720.00	20	1	49	18.57	23.55	< 30.00
1745.00				18.74	23.72	< 30.00
1770.00				18.54	23.52	< 30.00
1720.00	20	1	99	18.64	23.62	< 30.00
1745.00				18.67	23.65	< 30.00
1770.00				18.58	23.56	< 30.00
1720.00	20	100	0	18.47	23.45	< 30.00
1745.00				18.32	23.30	< 30.00
1770.00				18.52	23.50	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

LTE Band 5

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
824.70	1.4	1	0	22.78	25.29	< 38.45
836.50				22.81	25.32	< 38.45
848.30				22.68	25.19	< 38.45
824.70	1.4	1	2	22.80	25.31	< 38.45
836.50				22.74	25.25	< 38.45
848.30				22.64	25.15	< 38.45
824.70	1.4	1	6	22.64	25.15	< 38.45
836.50				22.75	25.26	< 38.45
848.30				22.66	25.17	< 38.45
824.70	1.4	6	0	22.20	24.71	< 38.45
836.50				22.23	24.74	< 38.45
848.30				22.21	24.72	< 38.45
825.50	3	1	0	22.69	25.20	< 38.45
836.50				22.72	25.23	< 38.45
846.50				22.69	25.20	< 38.45
825.50	3	1	7	22.80	25.31	< 38.45
836.50				22.73	25.24	< 38.45
846.50				22.75	25.26	< 38.45
825.50	3	1	14	22.66	25.17	< 38.45
836.50				22.73	25.24	< 38.45
846.50				22.77	25.28	< 38.45
825.50	3	15	0	22.21	24.72	< 38.45
836.50				22.23	24.74	< 38.45
846.50				22.17	24.68	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
826.50	5	1	0	22.69	25.20	< 38.45
836.50				22.77	25.28	< 38.45
846.50				22.76	25.27	< 38.45
826.50	5	1	12	22.75	25.26	< 38.45
836.50				22.68	25.19	< 38.45
846.50				22.81	25.32	< 38.45
826.50	5	1	24	22.64	25.15	< 38.45
836.50				22.79	25.30	< 38.45
846.50				22.81	25.32	< 38.45
826.50	5	25	0	22.21	24.72	< 38.45
836.50				22.31	24.82	< 38.45
846.50				22.28	24.79	< 38.45
829.00	10	1	0	22.61	25.12	< 38.45
836.50				22.68	25.19	< 38.45
844.00				22.78	25.29	< 38.45
829.00	10	1	24	22.57	25.08	< 38.45
836.50				22.78	25.29	< 38.45
844.00				22.73	25.24	< 38.45
829.00	10	1	49	22.57	25.08	< 38.45
836.50				22.68	25.19	< 38.45
844.00				22.70	25.21	< 38.45
829.00	10	50	0	22.12	24.63	< 38.45
836.50				22.31	24.82	< 38.45
844.00				22.31	24.82	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
821.50	15	1	0	22.36	24.87	< 38.45
836.50				22.48	24.99	< 38.45
841.50				22.45	24.96	< 38.45
821.50	15	1	37	22.35	24.86	< 38.45
836.50				22.55	25.06	< 38.45
841.50				22.45	24.96	< 38.45
821.50	15	1	74	22.52	25.03	< 38.45
836.50				22.31	24.82	< 38.45
841.50				22.36	24.87	< 38.45
821.50	15	75	0	21.91	24.42	< 38.45
836.50				21.95	24.46	< 38.45
841.50				21.99	24.50	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
824.70	1.4	1	0	22.39	24.90	< 38.45
836.50				22.11	24.62	< 38.45
848.30				22.28	24.79	< 38.45
824.70	1.4	1	2	22.50	25.01	< 38.45
836.50				22.22	24.73	< 38.45
848.30				22.31	24.82	< 38.45
824.70	1.4	1	6	22.23	24.74	< 38.45
836.50				22.48	24.99	< 38.45
848.30				22.35	24.86	< 38.45
824.70	1.4	6	0	21.21	23.72	< 38.45
836.50				21.24	23.75	< 38.45
848.30				21.21	23.72	< 38.45
825.50	3	1	0	22.28	24.79	< 38.45
836.50				22.42	24.93	< 38.45
846.50				22.39	24.90	< 38.45
825.50	3	1	7	22.31	24.82	< 38.45
836.50				22.37	24.88	< 38.45
846.50				22.37	24.88	< 38.45
825.50	3	1	14	22.35	24.86	< 38.45
836.50				22.30	24.81	< 38.45
846.50				22.35	24.86	< 38.45
825.50	3	15	0	21.21	23.72	< 38.45
836.50				21.30	23.81	< 38.45
846.50				21.22	23.73	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
826.50	5	1	0	22.29	24.80	< 38.45
836.50				22.60	25.11	< 38.45
846.50				22.53	25.04	< 38.45
826.50	5	1	12	22.47	24.98	< 38.45
836.50				22.61	25.12	< 38.45
846.50				22.64	25.15	< 38.45
826.50	5	1	24	22.29	24.80	< 38.45
836.50				22.38	24.89	< 38.45
846.50				22.49	25.00	< 38.45
826.50	5	25	0	21.22	23.73	< 38.45
836.50				21.30	23.81	< 38.45
846.50				21.31	23.82	< 38.45
829.00	10	1	0	22.36	24.87	< 38.45
836.50				22.30	24.81	< 38.45
844.00				22.50	25.01	< 38.45
829.00	10	1	24	22.21	24.72	< 38.45
836.50				22.49	25.00	< 38.45
844.00				22.28	24.79	< 38.45
829.00	10	1	49	22.48	24.99	< 38.45
836.50				22.33	24.84	< 38.45
844.00				22.21	24.72	< 38.45
829.00	10	50	0	21.13	23.64	< 38.45
836.50				21.34	23.85	< 38.45
844.00				21.36	23.87	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
821.50	15	1	0	22.10	24.61	< 38.45
836.50				22.08	24.59	< 38.45
841.50				22.17	24.68	< 38.45
821.50	15	1	37	22.08	24.59	< 38.45
836.50				21.92	24.43	< 38.45
841.50				22.14	24.65	< 38.45
821.50	15	1	74	22.08	24.59	< 38.45
836.50				21.89	24.40	< 38.45
841.50				21.71	24.22	< 38.45
821.50	15	75	0	20.92	23.43	< 38.45
836.50				20.87	23.38	< 38.45
841.50				20.99	23.50	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
824.70	1.4	1	0	21.20	23.71	< 38.45
836.50				21.11	23.62	< 38.45
848.30				21.14	23.65	< 38.45
824.70	1.4	1	2	21.38	23.89	< 38.45
836.50				21.23	23.74	< 38.45
848.30				21.45	23.96	< 38.45
824.70	1.4	1	6	21.18	23.69	< 38.45
836.50				21.28	23.79	< 38.45
848.30				21.02	23.53	< 38.45
824.70	1.4	6	0	20.17	22.68	< 38.45
836.50				20.20	22.71	< 38.45
848.30				20.11	22.62	< 38.45
825.50	3	1	0	21.27	23.78	< 38.45
836.50				21.36	23.87	< 38.45
846.50				21.38	23.89	< 38.45
825.50	3	1	7	21.44	23.95	< 38.45
836.50				21.33	23.84	< 38.45
846.50				21.34	23.85	< 38.45
825.50	3	1	14	21.19	23.70	< 38.45
836.50				21.35	23.86	< 38.45
846.50				21.31	23.82	< 38.45
825.50	3	15	0	20.23	22.74	< 38.45
836.50				20.19	22.70	< 38.45
846.50				20.17	22.68	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
826.50	5	1	0	21.38	23.89	< 38.45
836.50				21.17	23.68	< 38.45
846.50				21.11	23.62	< 38.45
826.50	5	1	12	21.27	23.78	< 38.45
836.50				21.39	23.90	< 38.45
846.50				21.30	23.81	< 38.45
826.50	5	1	24	21.26	23.77	< 38.45
836.50				21.22	23.73	< 38.45
846.50				21.42	23.93	< 38.45
826.50	5	25	0	20.23	22.74	< 38.45
836.50				20.13	22.64	< 38.45
846.50				20.09	22.60	< 38.45
829.00	10	1	0	21.36	23.87	< 38.45
836.50				21.34	23.85	< 38.45
844.00				21.39	23.90	< 38.45
829.00	10	1	24	21.34	23.85	< 38.45
836.50				21.39	23.90	< 38.45
844.00				21.39	23.90	< 38.45
829.00	10	1	49	21.14	23.65	< 38.45
836.50				21.43	23.94	< 38.45
844.00				21.31	23.82	< 38.45
829.00	10	50	0	20.27	22.78	< 38.45
836.50				20.24	22.75	< 38.45
844.00				20.17	22.68	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
821.50	15	1	0	21.21	23.72	< 38.45
836.50				21.27	23.78	< 38.45
841.50				21.11	23.62	< 38.45
821.50	15	1	37	21.22	23.73	< 38.45
836.50				21.44	23.95	< 38.45
841.50				21.15	23.66	< 38.45
821.50	15	1	74	21.17	23.68	< 38.45
836.50				21.17	23.68	< 38.45
841.50				21.01	23.52	< 38.45
821.50	15	75	0	20.02	22.53	< 38.45
836.50				20.02	22.53	< 38.45
841.50				20.11	22.62	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
824.70	1.4	1	0	18.17	20.68	< 38.45
836.50				18.42	20.93	< 38.45
848.30				18.23	20.74	< 38.45
824.70	1.4	1	2	18.27	20.78	< 38.45
836.50				18.34	20.85	< 38.45
848.30				18.29	20.80	< 38.45
824.70	1.4	1	6	18.40	20.91	< 38.45
836.50				18.27	20.78	< 38.45
848.30				18.17	20.68	< 38.45
824.70	1.4	6	0	18.11	20.62	< 38.45
836.50				18.17	20.68	< 38.45
848.30				18.14	20.65	< 38.45
825.50	3	1	0	18.26	20.77	< 38.45
836.50				18.28	20.79	< 38.45
846.50				18.30	20.81	< 38.45
825.50	3	1	7	18.36	20.87	< 38.45
836.50				18.61	21.12	< 38.45
846.50				18.51	21.02	< 38.45
825.50	3	1	14	18.40	20.91	< 38.45
836.50				18.16	20.67	< 38.45
846.50				18.32	20.83	< 38.45
825.50	3	15	0	18.25	20.76	< 38.45
836.50				18.17	20.68	< 38.45
846.50				18.18	20.69	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
826.50	5	1	0	18.34	20.85	< 38.45
836.50				18.53	21.04	< 38.45
846.50				18.13	20.64	< 38.45
826.50	5	1	12	18.26	20.77	< 38.45
836.50				18.30	20.81	< 38.45
846.50				18.21	20.72	< 38.45
826.50	5	1	24	18.40	20.91	< 38.45
836.50				18.31	20.82	< 38.45
846.50				18.35	20.86	< 38.45
826.50	5	25	0	18.16	20.67	< 38.45
836.50				18.23	20.74	< 38.45
846.50				18.13	20.64	< 38.45
829.00	10	1	0	18.25	20.76	< 38.45
836.50				18.13	20.64	< 38.45
844.00				18.32	20.83	< 38.45
829.00	10	1	24	18.38	20.89	< 38.45
836.50				18.39	20.90	< 38.45
844.00				18.33	20.84	< 38.45
829.00	10	1	49	18.30	20.81	< 38.45
836.50				18.28	20.79	< 38.45
844.00				18.32	20.83	< 38.45
829.00	10	50	0	18.37	20.88	< 38.45
836.50				18.28	20.79	< 38.45
844.00				18.13	20.64	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
821.50	15	1	0	18.37	20.88	< 38.45
836.50				18.32	20.83	< 38.45
841.50				17.97	20.48	< 38.45
821.50	15	1	37	18.28	20.79	< 38.45
836.50				18.24	20.75	< 38.45
841.50				18.34	20.85	< 38.45
821.50	15	1	74	18.18	20.69	< 38.45
836.50				18.19	20.70	< 38.45
841.50				18.27	20.78	< 38.45
821.50	15	75	0	18.07	20.58	< 38.45
836.50				18.08	20.59	< 38.45
841.50				18.14	20.65	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

LTE Band 7

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2502.50	5	1	0	23.01	28.47	< 33.01
2535.00				23.21	28.67	< 33.01
2567.50				23.43	28.89	< 33.01
2502.50	5	1	12	23.09	28.55	< 33.01
2535.00				23.25	28.71	< 33.01
2567.50				23.46	28.92	< 33.01
2502.50	5	1	24	23.04	28.50	< 33.01
2535.00				23.20	28.66	< 33.01
2567.50				23.24	28.70	< 33.01
2502.50	5	25	0	22.63	28.09	< 33.01
2535.00				22.77	28.23	< 33.01
2567.50				22.99	28.45	< 33.01
2505.00	10	1	0	22.38	27.84	< 33.01
2535.00				23.31	28.77	< 33.01
2565.00				23.40	28.86	< 33.01
2505.00	10	1	24	22.68	28.14	< 33.01
2535.00				23.27	28.73	< 33.01
2565.00				23.50	28.96	< 33.01
2505.00	10	1	49	23.24	28.70	< 33.01
2535.00				23.12	28.58	< 33.01
2565.00				23.23	28.69	< 33.01
2505.00	10	50	0	22.99	28.45	< 33.01
2535.00				22.24	27.70	< 33.01
2565.00				22.82	28.28	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2507.50	15	1	0	23.40	28.86	< 33.01
2535.00				22.54	28.00	< 33.01
2562.50				23.30	28.76	< 33.01
2507.50	15	1	37	23.50	28.96	< 33.01
2535.00				23.01	28.47	< 33.01
2562.50				23.15	28.61	< 33.01
2507.50	15	1	74	23.28	28.74	< 33.01
2535.00				23.01	28.47	< 33.01
2562.50				23.14	28.60	< 33.01
2507.50	15	75	0	22.95	28.41	< 33.01
2535.00				22.65	28.11	< 33.01
2562.50				22.76	28.22	< 33.01
2510.00	20	1	0	23.14	28.60	< 33.01
2535.00				22.56	28.02	< 33.01
2560.00				23.12	28.58	< 33.01
2510.00	20	1	49	23.24	28.70	< 33.01
2535.00				23.01	28.47	< 33.01
2560.00				23.16	28.62	< 33.01
2510.00	20	1	99	23.20	28.66	< 33.01
2535.00				23.05	28.51	< 33.01
2560.00				23.46	28.92	< 33.01
2510.00	20	100	0	22.89	28.35	< 33.01
2535.00				22.70	28.16	< 33.01
2560.00				22.63	28.09	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2502.50	5	1	0	22.56	28.02	< 33.01
2535.00				23.05	28.51	< 33.01
2567.50				23.32	28.78	< 33.01
2502.50	5	1	12	22.41	27.87	< 33.01
2535.00				22.95	28.41	< 33.01
2567.50				23.38	28.84	< 33.01
2502.50	5	1	24	22.60	28.06	< 33.01
2535.00				23.01	28.47	< 33.01
2567.50				22.82	28.28	< 33.01
2502.50	5	25	0	21.54	27.00	< 33.01
2535.00				21.81	27.27	< 33.01
2567.50				21.99	27.45	< 33.01
2505.00	10	1	0	23.32	28.78	< 33.01
2535.00				22.00	27.46	< 33.01
2565.00				22.98	28.44	< 33.01
2505.00	10	1	24	23.38	28.84	< 33.01
2535.00				21.74	27.20	< 33.01
2565.00				23.01	28.47	< 33.01
2505.00	10	1	49	22.82	28.28	< 33.01
2535.00				22.87	28.33	< 33.01
2565.00				23.04	28.50	< 33.01
2505.00	10	50	0	21.99	27.45	< 33.01
2535.00				21.46	26.92	< 33.01
2565.00				21.85	27.31	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2507.50	15	1	0	23.09	28.55	< 33.01
2535.00				21.72	27.18	< 33.01
2562.50				22.81	28.27	< 33.01
2507.50	15	1	37	23.31	28.77	< 33.01
2535.00				22.90	28.36	< 33.01
2562.50				22.77	28.23	< 33.01
2507.50	15	1	74	22.66	28.12	< 33.01
2535.00				22.72	28.18	< 33.01
2562.50				23.04	28.50	< 33.01
2507.50	15	75	0	22.01	27.47	< 33.01
2535.00				21.66	27.12	< 33.01
2562.50				21.76	27.22	< 33.01
2510.00	20	1	0	22.86	28.32	< 33.01
2535.00				21.87	27.33	< 33.01
2560.00				22.90	28.36	< 33.01
2510.00	20	1	49	23.13	28.59	< 33.01
2535.00				22.76	28.22	< 33.01
2560.00				23.08	28.54	< 33.01
2510.00	20	1	99	22.67	28.13	< 33.01
2535.00				22.68	28.14	< 33.01
2560.00				22.85	28.31	< 33.01
2510.00	20	100	0	21.87	27.33	< 33.01
2535.00				21.70	27.16	< 33.01
2560.00				21.75	27.21	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2502.50	5	1	0	21.42	26.88	< 33.01
2535.00				21.93	27.39	< 33.01
2567.50				21.95	27.41	< 33.01
2502.50	5	1	12	21.47	26.93	< 33.01
2535.00				21.91	27.37	< 33.01
2567.50				22.10	27.56	< 33.01
2502.50	5	1	24	21.72	27.18	< 33.01
2535.00				21.93	27.39	< 33.01
2567.50				22.03	27.49	< 33.01
2502.50	5	25	0	20.58	26.04	< 33.01
2535.00				20.67	26.13	< 33.01
2567.50				20.93	26.39	< 33.01
2505.00	10	1	0	21.78	27.24	< 33.01
2535.00				21.93	27.39	< 33.01
2565.00				21.97	27.43	< 33.01
2505.00	10	1	24	21.39	26.85	< 33.01
2535.00				22.04	27.50	< 33.01
2565.00				22.12	27.58	< 33.01
2505.00	10	1	49	21.82	27.28	< 33.01
2535.00				22.01	27.47	< 33.01
2565.00				22.25	27.71	< 33.01
2505.00	10	50	0	20.79	26.25	< 33.01
2535.00				20.73	26.19	< 33.01
2565.00				20.85	26.31	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2507.50	15	1	0	21.03	26.49	< 33.01
2535.00				21.76	27.22	< 33.01
2562.50				21.79	27.25	< 33.01
2507.50	15	1	37	21.94	27.40	< 33.01
2535.00				21.93	27.39	< 33.01
2562.50				21.91	27.37	< 33.01
2507.50	15	1	74	21.66	27.12	< 33.01
2535.00				21.59	27.05	< 33.01
2562.50				21.73	27.19	< 33.01
2507.50	15	75	0	20.54	26.00	< 33.01
2535.00				20.62	26.08	< 33.01
2562.50				20.73	26.19	< 33.01
2510.00	20	1	0	21.18	26.64	< 33.01
2535.00				21.81	27.27	< 33.01
2560.00				21.61	27.07	< 33.01
2510.00	20	1	49	21.46	26.92	< 33.01
2535.00				21.83	27.29	< 33.01
2560.00				21.91	27.37	< 33.01
2510.00	20	1	99	21.70	27.16	< 33.01
2535.00				21.69	27.15	< 33.01
2560.00				21.96	27.42	< 33.01
2510.00	20	100	0	20.63	26.09	< 33.01
2535.00				20.75	26.21	< 33.01
2560.00				20.86	26.32	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2502.50	5	1	0	18.75	24.21	< 33.01
2535.00				18.54	24.00	< 33.01
2567.50				19.09	24.55	< 33.01
2502.50	5	1	12	18.69	24.15	< 33.01
2535.00				18.87	24.33	< 33.01
2567.50				19.13	24.59	< 33.01
2502.50	5	1	24	18.63	24.09	< 33.01
2535.00				18.98	24.44	< 33.01
2567.50				19.07	24.53	< 33.01
2502.50	5	25	0	18.71	24.17	< 33.01
2535.00				18.76	24.22	< 33.01
2567.50				19.00	24.46	< 33.01
2505.00	10	1	0	18.69	24.15	< 33.01
2535.00				18.93	24.39	< 33.01
2565.00				19.12	24.58	< 33.01
2505.00	10	1	24	18.90	24.36	< 33.01
2535.00				19.11	24.57	< 33.01
2565.00				19.30	24.76	< 33.01
2505.00	10	1	49	18.57	24.03	< 33.01
2535.00				19.08	24.54	< 33.01
2565.00				19.26	24.72	< 33.01
2505.00	10	50	0	18.66	24.12	< 33.01
2535.00				18.83	24.29	< 33.01
2565.00				18.99	24.45	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2507.50	15	1	0	18.72	24.18	< 33.01
2535.00				18.93	24.39	< 33.01
2562.50				19.01	24.47	< 33.01
2507.50	15	1	37	18.91	24.37	< 33.01
2535.00				18.17	23.63	< 33.01
2562.50				18.80	24.26	< 33.01
2507.50	15	1	74	18.70	24.16	< 33.01
2535.00				18.72	24.18	< 33.01
2562.50				18.77	24.23	< 33.01
2507.50	15	75	0	18.57	24.03	< 33.01
2535.00				18.71	24.17	< 33.01
2562.50				18.74	24.20	< 33.01
2510.00	20	1	0	18.59	24.05	< 33.01
2535.00				18.50	23.96	< 33.01
2560.00				18.84	24.30	< 33.01
2510.00	20	1	49	18.78	24.24	< 33.01
2535.00				18.87	24.33	< 33.01
2560.00				18.66	24.12	< 33.01
2510.00	20	1	99	18.89	24.35	< 33.01
2535.00				18.79	24.25	< 33.01
2560.00				18.99	24.45	< 33.01
2510.00	20	100	0	18.63	24.09	< 33.01
2535.00				18.62	24.08	< 33.01
2560.00				18.87	24.33	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

LTE Band 12

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
699.7	1.4	1	0	22.39	24.90	< 34.77
707.5				22.27	24.78	< 34.77
715.3				22.35	24.86	< 34.77
699.7	1.4	1	2	22.30	24.81	< 34.77
707.5				22.49	25.00	< 34.77
715.3				22.49	25.00	< 34.77
699.7	1.4	1	6	22.28	24.79	< 34.77
707.5				22.29	24.80	< 34.77
715.3				22.24	24.75	< 34.77
699.7	1.4	6	0	21.86	24.37	< 34.77
707.5				21.79	24.30	< 34.77
715.3				21.91	24.42	< 34.77
700.5	3	1	0	22.35	24.86	< 34.77
707.5				22.26	24.77	< 34.77
714.5				22.30	24.81	< 34.77
700.5	3	1	7	22.32	24.83	< 34.77
707.5				22.39	24.90	< 34.77
714.5				22.49	25.00	< 34.77
700.5	3	1	14	22.24	24.75	< 34.77
707.5				22.33	24.84	< 34.77
714.5				22.25	24.76	< 34.77
700.5	3	15	0	21.91	24.42	< 34.77
707.5				21.84	24.35	< 34.77
714.5				21.78	24.29	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
701.5	5	1	0	22.30	24.81	< 34.77
707.5				22.13	24.64	< 34.77
713.5				22.42	24.93	< 34.77
701.5	5	1	12	22.49	25.00	< 34.77
707.5				22.32	24.83	< 34.77
713.5				22.50	25.01	< 34.77
701.5	5	1	24	22.26	24.77	< 34.77
707.5				22.26	24.77	< 34.77
713.5				22.41	24.92	< 34.77
701.5	5	25	0	21.81	24.32	< 34.77
707.5				21.85	24.36	< 34.77
713.5				21.77	24.28	< 34.77
704.0	10	1	0	22.49	25.00	< 34.77
707.5				22.48	24.99	< 34.77
711.0				22.50	25.01	< 34.77
704.0	10	1	24	22.43	24.94	< 34.77
707.5				22.33	24.84	< 34.77
711.0				22.48	24.99	< 34.77
704.0	10	1	49	22.28	24.79	< 34.77
707.5				22.31	24.82	< 34.77
711.0				22.42	24.93	< 34.77
704.0	10	50	0	21.90	24.41	< 34.77
707.5				21.93	24.44	< 34.77
711.0				21.87	24.38	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
699.7	1.4	1	0	22.03	24.54	< 34.77
707.5				22.02	24.53	< 34.77
715.3				21.82	24.33	< 34.77
699.7	1.4	1	2	22.08	24.59	< 34.77
707.5				21.95	24.46	< 34.77
715.3				21.91	24.42	< 34.77
699.7	1.4	1	6	21.79	24.30	< 34.77
707.5				21.96	24.47	< 34.77
715.3				22.13	24.64	< 34.77
699.7	1.4	6	0	20.93	23.44	< 34.77
707.5				20.86	23.37	< 34.77
715.3				20.92	23.43	< 34.77
700.5	3	1	0	21.82	24.33	< 34.77
707.5				22.12	24.63	< 34.77
714.5				21.98	24.49	< 34.77
700.5	3	1	7	21.91	24.42	< 34.77
707.5				22.05	24.56	< 34.77
714.5				22.14	24.65	< 34.77
700.5	3	1	14	22.13	24.64	< 34.77
707.5				21.91	24.42	< 34.77
714.5				21.93	24.44	< 34.77
700.5	3	15	0	20.92	23.43	< 34.77
707.5				20.84	23.35	< 34.77
714.5				20.78	23.29	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
701.5	5	1	0	22.04	24.55	< 34.77
707.5				22.01	24.52	< 34.77
713.5				22.30	24.81	< 34.77
701.5	5	1	12	22.14	24.65	< 34.77
707.5				22.09	24.60	< 34.77
713.5				22.17	24.68	< 34.77
701.5	5	1	24	22.11	24.62	< 34.77
707.5				22.14	24.65	< 34.77
713.5				22.01	24.52	< 34.77
701.5	5	25	0	20.82	23.33	< 34.77
707.5				20.85	23.36	< 34.77
713.5				20.81	23.32	< 34.77
704.0	10	1	0	22.25	24.76	< 34.77
707.5				21.97	24.48	< 34.77
711.0				21.99	24.50	< 34.77
704.0	10	1	24	22.06	24.57	< 34.77
707.5				22.06	24.57	< 34.77
711.0				22.20	24.71	< 34.77
704.0	10	1	49	22.16	24.67	< 34.77
707.5				22.04	24.55	< 34.77
711.0				21.85	24.36	< 34.77
704.0	10	50	0	20.87	23.38	< 34.77
707.5				20.88	23.39	< 34.77
711.0				20.91	23.42	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
699.7	1.4	1	0	21.08	23.59	< 34.77
707.5				21.35	23.86	< 34.77
715.3				21.03	23.54	< 34.77
699.7	1.4	1	2	21.00	23.51	< 34.77
707.5				21.28	23.79	< 34.77
715.3				21.25	23.76	< 34.77
699.7	1.4	1	6	20.93	23.44	< 34.77
707.5				20.98	23.49	< 34.77
715.3				20.86	23.37	< 34.77
699.7	1.4	6	0	20.00	22.51	< 34.77
707.5				20.05	22.56	< 34.77
715.3				19.97	22.48	< 34.77
700.5	3	1	0	21.06	23.57	< 34.77
707.5				21.32	23.83	< 34.77
714.5				21.20	23.71	< 34.77
700.5	3	1	7	21.07	23.58	< 34.77
707.5				21.35	23.86	< 34.77
714.5				21.30	23.81	< 34.77
700.5	3	1	14	21.01	23.52	< 34.77
707.5				21.15	23.66	< 34.77
714.5				21.14	23.65	< 34.77
700.5	3	15	0	19.94	22.45	< 34.77
707.5				20.03	22.54	< 34.77
714.5				20.02	22.53	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
701.5	5	1	0	21.10	23.61	< 34.77
707.5				21.16	23.67	< 34.77
713.5				21.35	23.86	< 34.77
701.5	5	1	12	21.23	23.74	< 34.77
707.5				21.17	23.68	< 34.77
713.5				21.01	23.52	< 34.77
701.5	5	1	24	21.02	23.53	< 34.77
707.5				21.45	23.96	< 34.77
713.5				20.87	23.38	< 34.77
701.5	5	25	0	20.04	22.55	< 34.77
707.5				19.98	22.49	< 34.77
713.5				20.14	22.65	< 34.77
704.0	10	1	0	21.11	23.62	< 34.77
707.5				21.04	23.55	< 34.77
711.0				21.25	23.76	< 34.77
704.0	10	1	24	21.07	23.58	< 34.77
707.5				21.00	23.51	< 34.77
711.0				21.30	23.81	< 34.77
704.0	10	1	49	21.21	23.72	< 34.77
707.5				21.14	23.65	< 34.77
711.0				21.22	23.73	< 34.77
704.0	10	50	0	20.07	22.58	< 34.77
707.5				20.06	22.57	< 34.77
711.0				20.19	22.70	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
699.7	1.4	1	0	18.05	20.56	< 34.77
707.5				17.97	20.48	< 34.77
715.3				18.16	20.67	< 34.77
699.7	1.4	1	2	17.84	20.35	< 34.77
707.5				18.21	20.72	< 34.77
715.3				18.20	20.71	< 34.77
699.7	1.4	1	6	18.13	20.64	< 34.77
707.5				18.04	20.55	< 34.77
715.3				18.31	20.82	< 34.77
699.7	1.4	6	0	17.87	20.38	< 34.77
707.5				17.94	20.45	< 34.77
715.3				18.06	20.57	< 34.77
700.5	3	1	0	18.12	20.63	< 34.77
707.5				17.98	20.49	< 34.77
714.5				17.96	20.47	< 34.77
700.5	3	1	7	18.33	20.84	< 34.77
707.5				18.14	20.65	< 34.77
714.5				18.02	20.53	< 34.77
700.5	3	1	14	17.98	20.49	< 34.77
707.5				17.96	20.47	< 34.77
714.5				18.11	20.62	< 34.77
700.5	3	15	0	17.92	20.43	< 34.77
707.5				18.01	20.52	< 34.77
714.5				17.93	20.44	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
701.5	5	1	0	17.69	20.20	< 34.77
707.5				18.20	20.71	< 34.77
713.5				18.09	20.60	< 34.77
701.5	5	1	12	18.27	20.78	< 34.77
707.5				18.23	20.74	< 34.77
713.5				18.36	20.87	< 34.77
701.5	5	1	24	17.89	20.40	< 34.77
707.5				17.94	20.45	< 34.77
713.5				18.17	20.68	< 34.77
701.5	5	25	0	18.01	20.52	< 34.77
707.5				18.02	20.53	< 34.77
713.5				18.02	20.53	< 34.77
704.0	10	1	0	17.92	20.43	< 34.77
707.5				18.08	20.59	< 34.77
711.0				18.12	20.63	< 34.77
704.0	10	1	24	18.29	20.80	< 34.77
707.5				18.39	20.90	< 34.77
711.0				18.37	20.88	< 34.77
704.0	10	1	49	18.14	20.65	< 34.77
707.5				18.09	20.60	< 34.77
711.0				18.24	20.75	< 34.77
704.0	10	50	0	18.16	20.67	< 34.77
707.5				17.94	20.45	< 34.77
711.0				18.06	20.57	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

LTE Band 13

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
779.5	5	1	0	22.19	24.70	< 34.77
782.0				22.34	24.85	< 34.77
784.5				22.26	24.77	< 34.77
779.5	5	1	12	22.25	24.76	< 34.77
782.0				22.34	24.85	< 34.77
784.5				22.38	24.89	< 34.77
779.5	5	1	24	22.15	24.66	< 34.77
782.0				22.22	24.73	< 34.77
784.5				22.19	24.70	< 34.77
779.5	5	25	0	21.89	24.40	< 34.77
782.0				21.68	24.19	< 34.77
784.5				21.86	24.37	< 34.77
782.0	10	1	0	22.37	24.88	< 34.77
782.0		1	24	22.28	24.79	< 34.77
782.0		1	49	22.32	24.83	< 34.77
782.0		50	0	21.79	24.30	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
779.5	5	1	0	21.89	24.40	< 34.77
782.0				21.89	24.40	< 34.77
784.5				22.10	24.61	< 34.77
779.5	5	1	12	21.93	24.44	< 34.77
782.0				22.04	24.55	< 34.77
784.5				22.13	24.64	< 34.77
779.5	5	1	24	22.20	24.71	< 34.77
782.0				21.94	24.45	< 34.77
784.5				22.06	24.57	< 34.77
779.5	5	25	0	20.84	23.35	< 34.77
782.0				20.77	23.28	< 34.77
784.5				20.75	23.26	< 34.77
782.0	10	1	0	21.82	24.33	< 34.77
782.0		1	24	22.05	24.56	< 34.77
782.0		1	49	21.93	24.44	< 34.77
782.0		50	0	20.85	23.36	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
779.5	5	1	0	20.80	23.31	< 34.77
782.0				21.10	23.61	< 34.77
784.5				21.09	23.60	< 34.77
779.5	5	1	12	22.44	24.95	< 34.77
782.0				21.02	23.53	< 34.77
784.5				20.94	23.45	< 34.77
779.5	5	1	24	20.96	23.47	< 34.77
782.0				20.90	23.41	< 34.77
784.5				21.07	23.58	< 34.77
779.5	5	25	0	19.90	22.41	< 34.77
782.0				19.90	22.41	< 34.77
784.5				19.93	22.44	< 34.77
782.0	10	1	0	20.92	23.43	< 34.77
782.0		1	24	21.16	23.67	< 34.77
782.0		1	49	20.91	23.42	< 34.77
782.0		50	0	20.03	22.54	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
779.5	5	1	0	17.81	20.32	< 34.77
782.0				18.22	20.73	< 34.77
784.5				17.80	20.31	< 34.77
779.5	5	1	12	18.12	20.63	< 34.77
782.0				17.98	20.49	< 34.77
784.5				18.20	20.71	< 34.77
779.5	5	1	24	17.93	20.44	< 34.77
782.0				18.15	20.66	< 34.77
784.5				18.04	20.55	< 34.77
779.5	5	25	0	17.95	20.46	< 34.77
782.0				17.97	20.48	< 34.77
784.5				17.97	20.48	< 34.77
782.0	10	1	0	17.92	20.43	< 34.77
782.0		1	24	18.24	20.75	< 34.77
782.0		1	49	18.27	20.78	< 34.77
782.0		50	0	18.09	20.60	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

LTE Band 30

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Power Density (dBm/5MHz)	EIRP Density (dBm/5MHz)	Limit (dBm /5MHz)
QPSK						
2307.5	5	25	0	17.94	23.40	< 23.98
2310.0				17.95	23.41	< 23.98
2312.5				18.10	23.56	< 23.98
2310.0	10	50	0	15.87	21.33	< 23.98
16QAM						
2307.5	5	25	0	16.92	22.38	< 23.98
2310.0				16.83	22.29	< 23.98
2312.5				17.07	22.53	< 23.98
2310.0	10	1	0	15.40	20.86	< 23.98
64QAM						
2307.5	5	25	0	16.70	22.16	< 23.98
2310.0				15.96	21.42	< 23.98
2312.5				15.94	21.40	< 23.98
2310.0	10	50	0	14.39	19.85	< 23.98
256QAM						
2307.5	5	25	0	14.14	19.60	< 23.98
2310.0				14.06	19.52	< 23.98
2312.5				14.01	19.47	< 23.98
2310.0	10	50	0	12.50	17.96	< 23.98
Note: The EIRP Density (dBm/5MHz) = Power Density (dBm/5MHz) + Antenna Gain (dBi)						

LTE Band 41

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2498.50	5	1	0	22.95	28.41	< 33.01
2593.00				23.21	28.67	< 33.01
2687.50				23.42	28.88	< 33.01
2498.50	5	1	12	22.98	28.44	< 33.01
2593.00				23.28	28.74	< 33.01
2687.50				23.45	28.91	< 33.01
2498.50	5	1	24	22.91	28.37	< 33.01
2593.00				23.16	28.62	< 33.01
2687.50				23.30	28.76	< 33.01
2498.50	5	25	0	23.06	28.52	< 33.01
2593.00				23.30	28.76	< 33.01
2687.50				23.45	28.91	< 33.01
2501.00	10	1	0	22.95	28.41	< 33.01
2593.00				23.29	28.75	< 33.01
2685.00				23.12	28.58	< 33.01
2501.00	10	1	24	23.06	28.52	< 33.01
2593.00				23.27	28.73	< 33.01
2685.00				23.44	28.90	< 33.01
2501.00	10	1	49	23.30	28.76	< 33.01
2593.00				22.98	28.44	< 33.01
2685.00				23.17	28.63	< 33.01
2501.00	10	50	0	23.45	28.91	< 33.01
2593.00				23.07	28.53	< 33.01
2685.00				23.34	28.80	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2503.50	15	1	0	23.12	28.58	< 33.01
2593.00				22.91	28.37	< 33.01
2682.50				23.30	28.76	< 33.01
2503.50	15	1	37	23.44	28.90	< 33.01
2593.00				22.99	28.45	< 33.01
2682.50				23.21	28.67	< 33.01
2503.50	15	1	74	23.18	28.64	< 33.01
2593.00				22.97	28.43	< 33.01
2682.50				23.11	28.57	< 33.01
2503.50	15	75	0	23.38	28.84	< 33.01
2593.00				23.03	28.49	< 33.01
2682.50				23.16	28.62	< 33.01
2506.00	20	1	0	23.09	28.55	< 33.01
2593.00				23.03	28.49	< 33.01
2680.00				23.50	28.96	< 33.01
2506.00	20	1	49	23.41	28.87	< 33.01
2593.00				23.02	28.48	< 33.01
2680.00				23.25	28.71	< 33.01
2506.00	20	1	99	23.39	28.85	< 33.01
2593.00				23.03	28.49	< 33.01
2680.00				23.14	28.60	< 33.01
2506.00	20	100	0	23.18	28.64	< 33.01
2593.00				23.03	28.49	< 33.01
2680.00				23.19	28.65	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2498.50	5	1	0	23.26	28.72	< 33.01
2593.00				23.43	28.89	< 33.01
2687.50				23.67	29.13	< 33.01
2498.50	5	1	12	23.11	28.57	< 33.01
2593.00				23.58	29.04	< 33.01
2687.50				23.71	29.17	< 33.01
2498.50	5	1	24	23.19	28.65	< 33.01
2593.00				23.42	28.88	< 33.01
2687.50				23.59	29.05	< 33.01
2498.50	5	25	0	22.04	27.50	< 33.01
2593.00				22.35	27.81	< 33.01
2687.50				22.41	27.87	< 33.01
2501.00	10	1	0	23.67	29.13	< 33.01
2593.00				23.03	28.49	< 33.01
2685.00				23.60	29.06	< 33.01
2501.00	10	1	24	23.71	29.17	< 33.01
2593.00				23.16	28.62	< 33.01
2685.00				23.35	28.81	< 33.01
2501.00	10	1	49	23.59	29.05	< 33.01
2593.00				23.04	28.50	< 33.01
2685.00				23.34	28.80	< 33.01
2501.00	10	50	0	22.41	27.87	< 33.01
2593.00				22.07	27.53	< 33.01
2685.00				22.35	27.81	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2503.50	15	1	0	23.41	28.87	< 33.01
2593.00				22.91	28.37	< 33.01
2682.50				23.58	29.04	< 33.01
2503.50	15	1	37	23.70	29.16	< 33.01
2593.00				23.06	28.52	< 33.01
2682.50				23.21	28.67	< 33.01
2503.50	15	1	74	23.37	28.83	< 33.01
2593.00				23.23	28.69	< 33.01
2682.50				23.22	28.68	< 33.01
2503.50	15	75	0	22.33	27.79	< 33.01
2593.00				21.94	27.40	< 33.01
2682.50				22.17	27.63	< 33.01
2506.00	20	1	0	23.05	28.51	< 33.01
2593.00				23.00	28.46	< 33.01
2680.00				23.52	28.98	< 33.01
2506.00	20	1	49	23.48	28.94	< 33.01
2593.00				23.01	28.47	< 33.01
2680.00				23.28	28.74	< 33.01
2506.00	20	1	99	23.45	28.91	< 33.01
2593.00				23.13	28.59	< 33.01
2680.00				23.14	28.60	< 33.01
2506.00	20	100	0	22.25	27.71	< 33.01
2593.00				22.01	27.47	< 33.01
2680.00				22.21	27.67	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2498.50	5	1	0	22.34	27.80	< 33.01
2593.00				22.40	27.86	< 33.01
2687.50				22.47	27.93	< 33.01
2498.50	5	1	12	22.08	27.54	< 33.01
2593.00				22.43	27.89	< 33.01
2687.50				22.70	28.16	< 33.01
2498.50	5	1	24	21.98	27.44	< 33.01
2593.00				22.45	27.91	< 33.01
2687.50				22.43	27.89	< 33.01
2498.50	5	25	0	21.04	26.50	< 33.01
2593.00				21.35	26.81	< 33.01
2687.50				21.42	26.88	< 33.01
2501.00	10	1	0	21.95	27.41	< 33.01
2593.00				22.38	27.84	< 33.01
2685.00				22.10	27.56	< 33.01
2501.00	10	1	24	22.06	27.52	< 33.01
2593.00				22.50	27.96	< 33.01
2685.00				22.78	28.24	< 33.01
2501.00	10	1	49	22.22	27.68	< 33.01
2593.00				22.20	27.66	< 33.01
2685.00				22.30	27.76	< 33.01
2501.00	10	50	0	21.09	26.55	< 33.01
2593.00				21.38	26.84	< 33.01
2685.00				21.36	26.82	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2503.50	15	1	0	21.95	27.41	< 33.01
2593.00				22.46	27.92	< 33.01
2682.50				22.12	27.58	< 33.01
2503.50	15	1	37	21.80	27.26	< 33.01
2593.00				22.16	27.62	< 33.01
2682.50				22.47	27.93	< 33.01
2503.50	15	1	74	21.84	27.30	< 33.01
2593.00				22.08	27.54	< 33.01
2682.50				22.45	27.91	< 33.01
2503.50	15	75	0	20.96	26.42	< 33.01
2593.00				21.24	26.70	< 33.01
2682.50				21.20	26.66	< 33.01
2506.00	20	1	0	21.88	27.34	< 33.01
2593.00				22.38	27.84	< 33.01
2680.00				22.01	27.47	< 33.01
2506.00	20	1	49	22.14	27.60	< 33.01
2593.00				22.14	27.60	< 33.01
2680.00				22.50	27.96	< 33.01
2506.00	20	1	99	21.89	27.35	< 33.01
2593.00				22.01	27.47	< 33.01
2680.00				22.14	27.60	< 33.01
2506.00	20	100	0	21.00	26.46	< 33.01
2593.00				21.19	26.65	< 33.01
2680.00				21.22	26.68	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2498.50	5	1	0	19.25	24.71	< 33.01
2593.00				19.38	24.84	< 33.01
2687.50				19.46	24.92	< 33.01
2498.50	5	1	12	19.39	24.85	< 33.01
2593.00				19.55	25.01	< 33.01
2687.50				19.60	25.06	< 33.01
2498.50	5	1	24	19.03	24.49	< 33.01
2593.00				19.24	24.70	< 33.01
2687.50				19.52	24.98	< 33.01
2498.50	5	25	0	19.06	24.52	< 33.01
2593.00				19.31	24.77	< 33.01
2687.50				19.45	24.91	< 33.01
2501.00	10	1	0	19.08	24.54	< 33.01
2593.00				19.30	24.76	< 33.01
2685.00				19.30	24.76	< 33.01
2501.00	10	1	24	19.26	24.72	< 33.01
2593.00				19.52	24.98	< 33.01
2685.00				19.74	25.20	< 33.01
2501.00	10	1	49	19.00	24.46	< 33.01
2593.00				19.18	24.64	< 33.01
2685.00				19.47	24.93	< 33.01
2501.00	10	50	0	19.13	24.59	< 33.01
2593.00				19.34	24.80	< 33.01
2685.00				19.36	24.82	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2503.50	15	1	0	19.11	24.57	< 33.01
2593.00				19.32	24.78	< 33.01
2682.50				18.98	24.44	< 33.01
2503.50	15	1	37	19.01	24.47	< 33.01
2593.00				19.22	24.68	< 33.01
2682.50				19.56	25.02	< 33.01
2503.50	15	1	74	19.08	24.54	< 33.01
2593.00				19.17	24.63	< 33.01
2682.50				19.33	24.79	< 33.01
2503.50	15	75	0	18.97	24.43	< 33.01
2593.00				19.18	24.64	< 33.01
2682.50				19.20	24.66	< 33.01
2506.00	20	1	0	19.13	24.59	< 33.01
2593.00				19.36	24.82	< 33.01
2680.00				19.00	24.46	< 33.01
2506.00	20	1	49	19.08	24.54	< 33.01
2593.00				19.22	24.68	< 33.01
2680.00				19.47	24.93	< 33.01
2506.00	20	1	99	19.12	24.58	< 33.01
2593.00				19.23	24.69	< 33.01
2680.00				19.33	24.79	< 33.01
2506.00	20	100	0	18.97	24.43	< 33.01
2593.00				19.18	24.64	< 33.01
2680.00				19.31	24.77	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

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Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2498.50	5	1	0	25.44	30.90	< 33.01
2593.00				26.34	31.80	< 33.01
2687.50				26.23	31.69	< 33.01
2498.50	5	1	12	25.58	31.04	< 33.01
2593.00				26.37	31.83	< 33.01
2687.50				26.41	31.87	< 33.01
2498.50	5	1	24	25.58	31.04	< 33.01
2593.00				26.28	31.74	< 33.01
2687.50				26.28	31.74	< 33.01
2498.50	5	25	0	24.61	30.07	< 33.01
2593.00				25.35	30.81	< 33.01
2687.50				25.31	30.77	< 33.01
2501.00	10	1	0	25.28	30.74	< 33.01
2593.00				26.28	31.74	< 33.01
2685.00				25.89	31.35	< 33.01
2501.00	10	1	24	25.76	31.22	< 33.01
2593.00				26.27	31.73	< 33.01
2685.00				26.26	31.72	< 33.01
2501.00	10	1	49	25.98	31.44	< 33.01
2593.00				26.21	31.67	< 33.01
2685.00				25.95	31.41	< 33.01
2501.00	10	50	0	24.95	30.41	< 33.01
2593.00				25.37	30.83	< 33.01
2685.00				25.22	30.68	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
2503.50	15	1	0	25.16	30.62	< 33.01
2593.00				26.13	31.59	< 33.01
2682.50				25.66	31.12	< 33.01
2503.50	15	1	37	25.96	31.42	< 33.01
2593.00				26.15	31.61	< 33.01
2682.50				26.16	31.62	< 33.01
2503.50	15	1	74	25.98	31.44	< 33.01
2593.00				26.08	31.54	< 33.01
2682.50				26.09	31.55	< 33.01
2503.50	15	75	0	25.09	30.55	< 33.01
2593.00				25.18	30.64	< 33.01
2682.50				25.11	30.57	< 33.01
2506.00	20	1	0	25.46	30.92	< 33.01
2593.00				26.27	31.73	< 33.01
2680.00				25.68	31.14	< 33.01
2506.00	20	1	49	26.12	31.58	< 33.01
2593.00				26.33	31.79	< 33.01
2680.00				26.23	31.69	< 33.01
2506.00	20	1	99	26.24	31.70	< 33.01
2593.00				26.18	31.64	< 33.01
2680.00				26.10	31.56	< 33.01
2506.00	20	100	0	25.15	30.61	< 33.01
2593.00				25.22	30.68	< 33.01
2680.00				25.16	30.62	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2498.50	5	1	0	24.54	30.00	< 33.01
2593.00				25.55	31.01	< 33.01
2687.50				25.44	30.90	< 33.01
2498.50	5	1	12	24.75	30.21	< 33.01
2593.00				25.55	31.01	< 33.01
2687.50				25.57	31.03	< 33.01
2498.50	5	1	24	24.77	30.23	< 33.01
2593.00				25.52	30.98	< 33.01
2687.50				25.47	30.93	< 33.01
2498.50	5	25	0	23.65	29.11	< 33.01
2593.00				24.36	29.82	< 33.01
2687.50				24.33	29.79	< 33.01
2501.00	10	1	0	24.55	30.01	< 33.01
2593.00				25.43	30.89	< 33.01
2685.00				25.19	30.65	< 33.01
2501.00	10	1	24	24.97	30.43	< 33.01
2593.00				25.21	30.67	< 33.01
2685.00				25.47	30.93	< 33.01
2501.00	10	1	49	25.18	30.64	< 33.01
2593.00				25.33	30.79	< 33.01
2685.00				25.21	30.67	< 33.01
2501.00	10	50	0	23.96	29.42	< 33.01
2593.00				24.37	29.83	< 33.01
2685.00				24.25	29.71	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
2503.50	15	1	0	24.40	29.86	< 33.01
2593.00				25.44	30.90	< 33.01
2682.50				25.14	30.60	< 33.01
2503.50	15	1	37	25.29	30.75	< 33.01
2593.00				25.53	30.99	< 33.01
2682.50				25.54	31.00	< 33.01
2503.50	15	1	74	25.28	30.74	< 33.01
2593.00				25.42	30.88	< 33.01
2682.50				25.49	30.95	< 33.01
2503.50	15	75	0	24.17	29.63	< 33.01
2593.00				24.22	29.68	< 33.01
2682.50				24.14	29.60	< 33.01
2506.00	20	1	0	24.64	30.10	< 33.01
2593.00				25.47	30.93	< 33.01
2680.00				24.92	30.38	< 33.01
2506.00	20	1	49	25.45	30.91	< 33.01
2593.00				25.56	31.02	< 33.01
2680.00				25.67	31.13	< 33.01
2506.00	20	1	99	25.48	30.94	< 33.01
2593.00				25.41	30.87	< 33.01
2680.00				25.20	30.66	< 33.01
2506.00	20	100	0	24.17	29.63	< 33.01
2593.00				24.22	29.68	< 33.01
2680.00				24.19	29.65	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2498.50	5	1	0	23.47	28.93	< 33.01
2593.00				24.41	29.87	< 33.01
2687.50				24.45	29.91	< 33.01
2498.50	5	1	12	23.93	29.39	< 33.01
2593.00				24.24	29.70	< 33.01
2687.50				24.21	29.67	< 33.01
2498.50	5	1	24	23.94	29.40	< 33.01
2593.00				24.49	29.95	< 33.01
2687.50				24.52	29.98	< 33.01
2498.50	5	25	0	22.68	28.14	< 33.01
2593.00				23.33	28.79	< 33.01
2687.50				23.34	28.80	< 33.01
2501.00	10	1	0	23.79	29.25	< 33.01
2593.00				24.38	29.84	< 33.01
2685.00				24.29	29.75	< 33.01
2501.00	10	1	24	23.95	29.41	< 33.01
2593.00				24.37	29.83	< 33.01
2685.00				24.20	29.66	< 33.01
2501.00	10	1	49	24.44	29.90	< 33.01
2593.00				24.16	29.62	< 33.01
2685.00				24.15	29.61	< 33.01
2501.00	10	50	0	22.98	28.44	< 33.01
2593.00				23.35	28.81	< 33.01
2685.00				23.24	28.70	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM						
2503.50	15	1	0	23.51	28.97	< 33.01
2593.00				24.34	29.80	< 33.01
2682.50				24.25	29.71	< 33.01
2503.50	15	1	37	24.19	29.65	< 33.01
2593.00				24.12	29.58	< 33.01
2682.50				24.76	30.22	< 33.01
2503.50	15	1	74	24.54	30.00	< 33.01
2593.00				24.47	29.93	< 33.01
2682.50				24.15	29.61	< 33.01
2503.50	15	75	0	23.18	28.64	< 33.01
2593.00				23.21	28.67	< 33.01
2682.50				23.15	28.61	< 33.01
2506.00	20	1	0	23.65	29.11	< 33.01
2593.00				24.27	29.73	< 33.01
2680.00				23.87	29.33	< 33.01
2506.00	20	1	49	24.27	29.73	< 33.01
2593.00				24.52	29.98	< 33.01
2680.00				24.56	30.02	< 33.01
2506.00	20	1	99	24.37	29.83	< 33.01
2593.00				24.47	29.93	< 33.01
2680.00				24.26	29.72	< 33.01
2506.00	20	100	0	23.29	28.75	< 33.01
2593.00				23.24	28.70	< 33.01
2680.00				23.16	28.62	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2498.50	5	1	0	21.43	26.89	< 33.01
2593.00				21.46	26.92	< 33.01
2687.50				21.42	26.88	< 33.01
2498.50	5	1	12	21.54	27.00	< 33.01
2593.00				21.54	27.00	< 33.01
2687.50				21.61	27.07	< 33.01
2498.50	5	1	24	21.47	26.93	< 33.01
2593.00				21.43	26.89	< 33.01
2687.50				21.38	26.84	< 33.01
2498.50	5	25	0	21.34	26.80	< 33.01
2593.00				21.32	26.78	< 33.01
2687.50				21.26	26.72	< 33.01
2501.00	10	1	0	21.42	26.88	< 33.01
2593.00				21.32	26.78	< 33.01
2685.00				20.98	26.44	< 33.01
2501.00	10	1	24	21.48	26.94	< 33.01
2593.00				21.45	26.91	< 33.01
2685.00				21.33	26.79	< 33.01
2501.00	10	1	49	21.32	26.78	< 33.01
2593.00				21.52	26.98	< 33.01
2685.00				21.06	26.52	< 33.01
2501.00	10	50	0	21.37	26.83	< 33.01
2593.00				21.32	26.78	< 33.01
2685.00				21.22	26.68	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
256QAM						
2503.50	15	1	0	21.14	26.60	< 33.01
2593.00				21.22	26.68	< 33.01
2682.50				20.91	26.37	< 33.01
2503.50	15	1	37	21.28	26.74	< 33.01
2593.00				21.44	26.90	< 33.01
2682.50				21.38	26.84	< 33.01
2503.50	15	1	74	21.33	26.79	< 33.01
2593.00				21.32	26.78	< 33.01
2682.50				21.28	26.74	< 33.01
2503.50	15	75	0	21.22	26.68	< 33.01
2593.00				21.19	26.65	< 33.01
2682.50				21.14	26.60	< 33.01
2506.00	20	1	0	21.37	26.83	< 33.01
2593.00				21.37	26.83	< 33.01
2680.00				20.93	26.39	< 33.01
2506.00	20	1	49	21.42	26.88	< 33.01
2593.00				21.43	26.89	< 33.01
2680.00				21.42	26.88	< 33.01
2506.00	20	1	99	21.53	26.99	< 33.01
2593.00				21.34	26.80	< 33.01
2680.00				21.41	26.87	< 33.01
2506.00	20	100	0	21.27	26.73	< 33.01
2593.00				21.20	26.66	< 33.01
2680.00				21.13	26.59	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

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Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
665.5	5	1	0	22.45	24.96	< 34.77
680.5				22.27	24.78	< 34.77
695.5				22.27	24.78	< 34.77
665.5	5	1	12	22.30	24.81	< 34.77
680.5				22.37	24.88	< 34.77
695.5				22.34	24.85	< 34.77
665.5	5	1	24	22.31	24.82	< 34.77
680.5				22.19	24.70	< 34.77
695.5				22.18	24.69	< 34.77
665.5	5	25	0	21.83	24.34	< 34.77
680.5				21.70	24.21	< 34.77
695.5				21.69	24.20	< 34.77
668.0	10	1	0	22.40	24.91	< 34.77
680.5				22.38	24.89	< 34.77
693.0				22.36	24.87	< 34.77
668.0	10	1	24	22.31	24.82	< 34.77
680.5				22.24	24.75	< 34.77
693.0				22.28	24.79	< 34.77
668.0	10	1	49	22.18	24.69	< 34.77
680.5				22.27	24.78	< 34.77
693.0				22.27	24.78	< 34.77
668.0	10	50	0	21.69	24.20	< 34.77
680.5				21.87	24.38	< 34.77
693.0				21.82	24.33	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
670.5	15	1	0	22.36	24.87	< 34.77
680.5				22.18	24.69	< 34.77
690.5				22.17	24.68	< 34.77
670.5	15	1	37	22.28	24.79	< 34.77
680.5				22.16	24.67	< 34.77
690.5				22.08	24.59	< 34.77
670.5	15	1	74	22.21	24.72	< 34.77
680.5				22.14	24.65	< 34.77
690.5				22.04	24.55	< 34.77
670.5	15	75	0	21.71	24.22	< 34.77
680.5				21.82	24.33	< 34.77
690.5				21.51	24.02	< 34.77
673.0	20	1	0	22.05	24.56	< 34.77
683.0				22.05	24.56	< 34.77
688.0				22.16	24.67	< 34.77
673.0	20	1	49	22.17	24.68	< 34.77
683.0				22.44	24.95	< 34.77
688.0				22.11	24.62	< 34.77
673.0	20	1	99	22.10	24.61	< 34.77
683.0				22.28	24.79	< 34.77
688.0				22.02	24.53	< 34.77
673.0	20	100	0	21.73	24.24	< 34.77
683.0				21.69	24.20	< 34.77
688.0				21.57	24.08	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
665.5	5	1	0	22.18	24.69	< 34.77
680.5				21.95	24.46	< 34.77
695.5				22.05	24.56	< 34.77
665.5	5	1	12	21.93	24.44	< 34.77
680.5				21.90	24.41	< 34.77
695.5				22.09	24.60	< 34.77
665.5	5	1	24	22.04	24.55	< 34.77
680.5				21.72	24.23	< 34.77
695.5				21.90	24.41	< 34.77
665.5	5	25	0	20.79	23.30	< 34.77
680.5				20.87	23.38	< 34.77
695.5				20.73	23.24	< 34.77
668.0	10	1	0	22.05	24.56	< 34.77
680.5				21.89	24.40	< 34.77
693.0				21.92	24.43	< 34.77
668.0	10	1	24	22.09	24.60	< 34.77
680.5				22.03	24.54	< 34.77
693.0				21.90	24.41	< 34.77
668.0	10	1	49	21.90	24.41	< 34.77
680.5				22.04	24.55	< 34.77
693.0				21.96	24.47	< 34.77
668.0	10	50	0	20.73	23.24	< 34.77
680.5				20.76	23.27	< 34.77
693.0				20.73	23.24	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
670.5	15	1	0	21.94	24.45	< 34.77
680.5				21.88	24.39	< 34.77
690.5				21.72	24.23	< 34.77
670.5	15	1	37	21.98	24.49	< 34.77
680.5				21.71	24.22	< 34.77
690.5				21.73	24.24	< 34.77
670.5	15	1	74	21.71	24.22	< 34.77
680.5				21.72	24.23	< 34.77
690.5				22.34	24.85	< 34.77
670.5	15	75	0	20.80	23.31	< 34.77
680.5				20.71	23.22	< 34.77
690.5				20.62	23.13	< 34.77
673.0	20	1	0	21.79	24.30	< 34.77
683.0				21.99	24.50	< 34.77
688.0				21.76	24.27	< 34.77
673.0	20	1	49	21.83	24.34	< 34.77
683.0				21.51	24.02	< 34.77
688.0				21.69	24.20	< 34.77
673.0	20	1	99	21.69	24.20	< 34.77
683.0				21.70	24.21	< 34.77
688.0				21.74	24.25	< 34.77
673.0	20	100	0	20.69	23.20	< 34.77
683.0				20.68	23.19	< 34.77
688.0				20.57	23.08	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
665.5	5	1	0	20.97	23.48	< 34.77
680.5				21.07	23.58	< 34.77
695.5				20.83	23.34	< 34.77
665.5	5	1	12	21.22	23.73	< 34.77
680.5				21.03	23.54	< 34.77
695.5				21.04	23.55	< 34.77
665.5	5	1	24	21.03	23.54	< 34.77
680.5				20.87	23.38	< 34.77
695.5				21.23	23.74	< 34.77
665.5	5	25	0	20.05	22.56	< 34.77
680.5				19.86	22.37	< 34.77
695.5				19.91	22.42	< 34.77
668.0	10	1	0	21.26	23.77	< 34.77
680.5				20.94	23.45	< 34.77
693.0				21.00	23.51	< 34.77
668.0	10	1	24	21.09	23.60	< 34.77
680.5				21.14	23.65	< 34.77
693.0				21.18	23.69	< 34.77
668.0	10	1	49	21.06	23.57	< 34.77
680.5				21.00	23.51	< 34.77
693.0				21.09	23.60	< 34.77
668.0	10	50	0	20.00	22.51	< 34.77
680.5				19.82	22.33	< 34.77
693.0				19.94	22.45	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM						
670.5	15	1	0	20.76	23.27	< 34.77
680.5				20.95	23.46	< 34.77
690.5				20.92	23.43	< 34.77
670.5	15	1	37	20.89	23.40	< 34.77
680.5				21.22	23.73	< 34.77
690.5				20.90	23.41	< 34.77
670.5	15	1	74	21.09	23.60	< 34.77
680.5				20.87	23.38	< 34.77
690.5				20.88	23.39	< 34.77
670.5	15	75	0	19.91	22.42	< 34.77
680.5				19.74	22.25	< 34.77
690.5				19.88	22.39	< 34.77
673.0	20	1	0	20.94	23.45	< 34.77
683.0				20.88	23.39	< 34.77
688.0				20.92	23.43	< 34.77
673.0	20	1	49	20.87	23.38	< 34.77
683.0				21.02	23.53	< 34.77
688.0				21.07	23.58	< 34.77
673.0	20	1	99	20.84	23.35	< 34.77
683.0				20.95	23.46	< 34.77
688.0				20.66	23.17	< 34.77
673.0	20	100	0	19.81	22.32	< 34.77
683.0				19.76	22.27	< 34.77
688.0				19.89	22.40	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
665.5	5	1	0	18.21	20.72	< 34.77
680.5				18.10	20.61	< 34.77
695.5				17.92	20.43	< 34.77
665.5	5	1	12	18.08	20.59	< 34.77
680.5				18.16	20.67	< 34.77
695.5				18.29	20.80	< 34.77
665.5	5	1	24	17.99	20.50	< 34.77
680.5				18.21	20.72	< 34.77
695.5				18.01	20.52	< 34.77
665.5	5	25	0	18.00	20.51	< 34.77
680.5				17.93	20.44	< 34.77
695.5				17.91	20.42	< 34.77
668.0	10	1	0	17.87	20.38	< 34.77
680.5				18.09	20.60	< 34.77
693.0				18.12	20.63	< 34.77
668.0	10	1	24	18.08	20.59	< 34.77
680.5				17.95	20.46	< 34.77
693.0				18.13	20.64	< 34.77
668.0	10	1	49	17.83	20.34	< 34.77
680.5				17.95	20.46	< 34.77
693.0				17.94	20.45	< 34.77
668.0	10	50	0	18.07	20.58	< 34.77
680.5				17.87	20.38	< 34.77
693.0				17.92	20.43	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
256QAM						
670.5	15	1	0	18.07	20.58	< 34.77
680.5				17.84	20.35	< 34.77
690.5				17.98	20.49	< 34.77
670.5	15	1	37	18.06	20.57	< 34.77
680.5				17.98	20.49	< 34.77
690.5				17.90	20.41	< 34.77
670.5	15	1	74	17.94	20.45	< 34.77
680.5				17.95	20.46	< 34.77
690.5				18.10	20.61	< 34.77
670.5	15	75	0	17.88	20.39	< 34.77
680.5				17.81	20.32	< 34.77
690.5				17.84	20.35	< 34.77
673.0	20	1	0	18.00	20.51	< 34.77
683.0				17.85	20.36	< 34.77
688.0				17.95	20.46	< 34.77
673.0	20	1	49	18.00	20.51	< 34.77
683.0				18.10	20.61	< 34.77
688.0				17.97	20.48	< 34.77
673.0	20	1	99	17.94	20.45	< 34.77
683.0				17.98	20.49	< 34.77
688.0				17.88	20.39	< 34.77
673.0	20	100	0	17.88	20.39	< 34.77
683.0				17.67	20.18	< 34.77
688.0				17.90	20.41	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

8.2 FIELD STRENGTH OF SPURIOUS RADIATION

8.2.1 Test Configuration

Test according to clause 7.3 radio frequency test setup 3.

8.2.2 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the Mid ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.
Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. 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 or 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, then the following procedure can be used to determine spurious emission.

a) RBW = 1 MHz for f ≥ 1 GHz(1GHz to 25GHz), 100 kHz for f < 1 GHz(30MHz to 1GHz), 200Hz for f<150KHz(9KHz to 150KHz), 9KHz for f<30MHz(150KHz to 30KHz).
b) Set VBW ≥ 3 × RBW.
c) Set span wide enough to fully capture the emission being measured.
d) Sweep time = auto couple.
e) Detector = peak.
f) Ensure that the number of measurement points ≥ span/RBW.
g) Trace mode = max hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the peak amplitude level.

Step1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
Step2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
Step3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
Step4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
Step5. Make the measurement with the spectrum analyzer's RBW , VBW , taking the record of maximum spurious emission.
Step6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
Step7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
Step8. Taking the record of output power at antenna port.
Step9. Repeat step 7 to step 8 for another polarization.
Step10. Emission level (dBm) = output power + substitution Gain.

8.2.3 Test Results

PASS

All modes have been tested, and the worst result recorded was report as below.

■ Spurious Emission below 30MHz (9KHz to 30MHz)

Temperature:	25℃	Test By:	ZXR
Humidity:	60%		
Test mode:	TX Mode		

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m) PK	Limit 3m(dBuV/m) PK	Over(dB) PK
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Note: Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 2**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
40.3795	V	100	-49.89	-13.00	36.89	PASS
279.0115	V	100	-59.86	-13.00	46.86	PASS
492.0826	V	100	-50.74	-13.00	37.74	PASS
582.3456	V	100	-51.64	-13.00	38.64	PASS
780.3325	V	100	-50.49	-13.00	37.49	PASS
992.1911	V	100	-51.11	-13.00	38.11	PASS
37.9059	H	100	-47.99	-13.00	34.99	PASS
212.3691	H	100	-55.95	-13.00	42.95	PASS
417.9224	H	100	-49.94	-13.00	36.94	PASS
579.387	H	100	-49.97	-13.00	36.97	PASS
773.3482	H	100	-48.80	-13.00	35.80	PASS
985.4978	H	100	-50.29	-13.00	37.29	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 2**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3798.759	V	100	-41.86	-13.00	28.86	PASS
6475.095	V	100	-35.95	-13.00	22.95	PASS
8709.341	V	100	-30.44	-13.00	17.44	PASS
10705.54	V	100	-28.20	-13.00	15.20	PASS
14606.12	V	100	-23.47	-13.00	10.47	PASS
17996.59	V	100	-20.23	-13.00	7.23	PASS
3829.365	H	100	-41.88	-13.00	28.88	PASS
6505.701	H	100	-35.68	-13.00	22.68	PASS
8882.776	H	100	-30.00	-13.00	17.00	PASS
11480.89	H	100	-28.60	-13.00	15.60	PASS
14650.33	H	100	-23.84	-13.00	10.84	PASS
17503.50	H	100	-19.65	-13.00	6.65	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 4		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
40.8645	V	100	-49.85	-13.00	36.85	PASS
279.2055	V	100	-59.43	-13.00	46.43	PASS
416.0793	V	100	-48.81	-13.00	35.81	PASS
580.066	V	100	-51.94	-13.00	38.94	PASS
777.0344	V	100	-50.10	-13.00	37.10	PASS
981.8601	V	100	-51.53	-13.00	38.53	PASS
73.4097	H	100	-49.80	-13.00	36.80	PASS
250.007	H	100	-57.43	-13.00	44.43	PASS
417.3404	H	100	-49.66	-13.00	36.66	PASS
584.1887	H	100	-48.57	-13.00	35.57	PASS
772.0871	H	100	-49.15	-13.00	36.15	PASS
988.7474	H	100	-50.57	-13.00	37.57	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 4		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3832.766	V	100	-41.84	-13.00	28.84	PASS
6492.098	V	100	-35.90	-13.00	22.90	PASS
8937.187	V	100	-29.89	-13.00	16.89	PASS
10678.33	V	100	-28.45	-13.00	15.45	PASS
14619.72	V	100	-23.11	-13.00	10.11	PASS
17993.19	V	100	-20.85	-13.00	7.85	PASS
3815.763	H	100	-40.81	-13.00	27.81	PASS
6505.701	H	100	-36.87	-13.00	23.87	PASS
8899.78	H	100	-29.39	-13.00	16.39	PASS
11334.66	H	100	-28.75	-13.00	15.75	PASS
14555.11	H	100	-23.37	-13.00	10.37	PASS
17496.69	H	100	-18.52	-13.00	5.52	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 5**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
38.4394	V	100	-48.36	-13.00	35.36	PASS
342.3556	V	100	-47.07	-13.00	34.07	PASS
488.1539	V	100	-50.12	-13.00	37.12	PASS
580.2115	V	100	-52.01	-13.00	39.01	PASS
776.9858	V	100	-50.33	-13.00	37.33	PASS
991.7061	V	100	-51.53	-13.00	38.53	PASS
184.9652	H	100	-42.76	-13.00	29.76	PASS
212.5146	H	100	-37.08	-13.00	24.08	PASS
416.8068	H	100	-49.28	-13.00	36.28	PASS
579.29	H	100	-49.86	-13.00	36.86	PASS
780.2355	H	100	-48.94	-13.00	35.94	PASS
981.9571	H	100	-50.72	-13.00	37.72	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 5**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3802.160	V	100	-41.72	-13.00	28.72	PASS
6461.492	V	100	-35.32	-13.00	22.32	PASS
8903.180	V	100	-30.25	-13.00	17.25	PASS
10056.01	V	100	-27.42	-13.00	14.42	PASS
14303.46	V	100	-23.49	-13.00	10.49	PASS
17493.29	V	100	-21.24	-13.00	8.24	PASS
3798.759	H	100	-41.94	-13.00	28.94	PASS
6492.098	H	100	-35.76	-13.00	22.76	PASS
8736.547	H	100	-30.03	-13.00	17.03	PASS
11494.49	H	100	-28.41	-13.00	15.41	PASS
14582.31	H	100	-24.06	-13.00	11.06	PASS
17496.69	H	100	-19.46	-13.00	6.46	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 7**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
36.7418	V	100	-49.29	-13.00	36.29	PASS
280.4665	V	100	-59.80	-13.00	46.80	PASS
490.385	V	100	-49.77	-13.00	36.77	PASS
585.4013	V	100	-51.70	-13.00	38.70	PASS
696.6658	V	100	-44.99	-13.00	31.99	PASS
988.6989	V	100	-51.24	-13.00	38.24	PASS
35.9658	H	100	-49.04	-13.00	36.04	PASS
249.7645	H	100	-57.40	-13.00	44.40	PASS
416.9038	H	100	-45.31	-13.00	32.31	PASS
583.5097	H	100	-49.57	-13.00	36.57	PASS
778.9744	H	100	-49.21	-13.00	36.21	PASS
981.5691	H	100	-50.90	-13.00	37.90	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 7**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3798.759	V	100	-42.28	-13.00	29.28	PASS
6498.899	V	100	-36.09	-13.00	23.09	PASS
8943.988	V	100	-30.55	-13.00	17.55	PASS
11491.09	V	100	-28.01	-13.00	15.01	PASS
14629.92	V	100	-23.00	-13.00	10.00	PASS
18000	V	100	-19.10	-13.00	6.10	PASS
3798.759	H	100	-41.44	-13.00	28.44	PASS
6080.616	H	100	-35.90	-13.00	22.90	PASS
8920.184	H	100	-30.28	-13.00	17.28	PASS
10749.75	H	100	-28.66	-13.00	15.66	PASS
14623.12	H	100	-23.08	-13.00	10.08	PASS
17503.50	H	100	-19.31	-13.00	6.31	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 12**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
40.234	V	100	-48.43	-13.00	35.43	PASS
292.6406	V	100	-59.18	-13.00	46.18	PASS
485.6318	V	100	-50.57	-13.00	37.57	PASS
581.1816	V	100	-51.61	-13.00	38.61	PASS
786.2983	V	100	-49.83	-13.00	36.83	PASS
968.0369	V	100	-51.78	-13.00	38.78	PASS
73.1672	H	100	-49.69	-13.00	36.69	PASS
250.298	H	100	-57.17	-13.00	44.17	PASS
421.7056	H	100	-51.67	-13.00	38.67	PASS
581.8606	H	100	-48.82	-13.00	35.82	PASS
779.896	H	100	-49.69	-13.00	36.69	PASS
965.3208	H	100	-50.94	-13.00	37.94	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 12**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3805.561	V	100	-42.08	-13.00	29.08	PASS
6492.098	V	100	-36.17	-13.00	23.17	PASS
8824.965	V	100	-30.39	-13.00	17.39	PASS
10056.01	V	100	-28.64	-13.00	15.64	PASS
14589.11	V	100	-22.51	-13.00	9.51	PASS
17500.1	V	100	-21.37	-13.00	8.37	PASS
3812.362	H	100	-41.23	-13.00	28.23	PASS
6475.095	H	100	-36.08	-13.00	23.08	PASS
8933.786	H	100	-30.34	-13.00	17.34	PASS
10355.27	H	100	-27.47	-13.00	14.47	PASS
14799.96	H	100	-23.87	-13.00	10.87	PASS
17510.30	H	100	-19.77	-13.00	6.77	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 13**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
38.5364	V	100	-48.81	-13.00	35.81	PASS
261.6476	V	100	-53.75	-13.00	40.75	PASS
418.6014	V	100	-50.80	-13.00	37.80	PASS
581.2786	V	100	-51.50	-13.00	38.50	PASS
777.1799	V	100	-50.33	-13.00	37.33	PASS
981.8116	V	100	-50.98	-13.00	37.98	PASS
39.1185	H	100	-49.10	-13.00	36.10	PASS
250.492	H	100	-57.62	-13.00	44.62	PASS
418.6014	H	100	-47.92	-13.00	34.92	PASS
580.1145	H	100	-49.77	-13.00	36.77	PASS
777.6649	H	100	-49.24	-13.00	36.24	PASS
968.1824	H	100	-50.86	-13.00	37.86	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	**LTE Band 13**		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3802.1604	V	100	-42.15	-13.00	29.15	PASS
6498.8998	V	100	-36.03	-13.00	23.03	PASS
8899.78	V	100	-30.47	-13.00	17.47	PASS
10688.5377	V	100	-28.33	-13.00	15.33	PASS
14582.3165	V	100	-22.63	-13.00	9.63	PASS
17996.5993	V	100	-21.43	-13.00	8.43	PASS
3798.7598	H	100	-41.06	-13.00	28.06	PASS
6492.0984	H	100	-36.04	-13.00	23.04	PASS
8971.1942	H	100	-30.88	-13.00	17.88	PASS
10651.1302	H	100	-28.62	-13.00	15.62	PASS
14592.5185	H	100	-23.85	-13.00	10.85	PASS
17496.6993	H	100	-19.80	-13.00	6.80	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 30		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
39.2155	V	100	-47.71	-13.00	34.71	PASS
285.3168	V	100	-58.81	-13.00	45.81	PASS
483.6917	V	100	-48.96	-13.00	35.96	PASS
584.4312	V	100	-52.05	-13.00	39.05	PASS
779.2655	V	100	-51.15	-13.00	38.15	PASS
992.8216	V	100	-51.39	-13.00	38.39	PASS
185.9353	H	100	-49.38	-13.00	36.38	PASS
193.1622	H	100	-52.35	-13.00	39.35	PASS
487.5234	H	100	-52.31	-13.00	39.31	PASS
580.939	H	100	-42.18	-13.00	29.18	PASS
780.9145	H	100	-52.30	-13.00	39.30	PASS
981.0841	H	100	-51.02	-13.00	38.02	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 30		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3761.352	V	100	-41.58	-13.00	28.58	PASS
6441.088	V	100	-36.64	-13.00	23.64	PASS
8886.177	V	100	-30.35	-13.00	17.35	PASS
10634.12	V	100	-28.66	-13.00	15.66	PASS
14606.12	V	100	-23.42	-13.00	10.42	PASS
16830.16	V	100	-24.57	-13.00	11.57	PASS
3805.561	H	100	-41.69	-13.00	28.69	PASS
6393.478	H	100	-35.80	-13.00	22.80	PASS
8920.184	H	100	-30.21	-13.00	17.21	PASS
10695.33	H	100	-28.48	-13.00	15.48	PASS
14606.12	H	100	-23.57	-13.00	10.57	PASS
17506.90	H	100	-19.12	-13.00	6.12	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 41		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
73.6522	V	100	-42.36	-13.00	29.36	PASS
337.1174	V	100	-54.99	-13.00	41.99	PASS
489.318	V	100	-50.74	-13.00	37.74	PASS
578.999	V	100	-51.45	-13.00	38.45	PASS
773.6392	V	100	-50.75	-13.00	37.75	PASS
917.1579	V	100	-44.43	-13.00	31.43	PASS
38.6334	H	100	-48.13	-13.00	35.13	PASS
250.007	H	100	-57.06	-13.00	44.06	PASS
418.9409	H	100	-50.68	-13.00	37.68	PASS
582.9276	H	100	-48.73	-13.00	35.73	PASS
779.0715	H	100	-48.58	-13.00	35.58	PASS
991.5121	H	100	-50.36	-13.00	37.36	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 41		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3832.766	V	100	-42.05	-13.00	29.05	PASS
6495.499	V	100	-36.03	-13.00	23.03	PASS
8896.379	V	100	-30.51	-13.00	17.51	PASS
11460.49	V	100	-28.08	-13.00	15.08	PASS
14585.71	V	100	-23.38	-13.00	10.38	PASS
17996.59	V	100	-20.99	-13.00	7.99	PASS
3825.965	H	100	-41.33	-13.00	28.33	PASS
6475.095	H	100	-35.92	-13.00	22.92	PASS
8926.985	H	100	-30.51	-13.00	17.51	PASS
10698.73	H	100	-28.31	-13.00	15.31	PASS
14606.12	H	100	-23.61	-13.00	10.61	PASS
17493.29	H	100	-19.50	-13.00	6.50	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 66		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
40.234	V	100	-48.85	-13.00	35.85	PASS
278.6234	V	100	-59.51	-13.00	46.51	PASS
416.5643	V	100	-48.96	-13.00	35.96	PASS
580.939	V	100	-52.17	-13.00	39.17	PASS
766.1698	V	100	-41.38	-13.00	28.38	PASS
992.9671	V	100	-51.68	-13.00	38.68	PASS
89.9975	H	100	-40.35	-13.00	27.35	PASS
326.6408	H	100	-49.66	-13.00	36.66	PASS
417.6314	H	100	-47.79	-13.00	34.79	PASS
582.9276	H	100	-49.21	-13.00	36.21	PASS
695.1623	H	100	-44.20	-13.00	31.20	PASS
845.8108	H	100	-45.04	-13.00	32.04	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 66		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3805.561	V	100	-42.17	-13.00	29.17	PASS
6434.286	V	100	-36.55	-13.00	23.55	PASS
8886.177	V	100	-30.59	-13.00	17.59	PASS
10705.54	V	100	-28.38	-13.00	15.38	PASS
14534.70	V	100	-23.38	-13.00	10.38	PASS
17982.99	V	100	-21.07	-13.00	8.07	PASS
3798.759	H	100	-41.84	-13.00	28.84	PASS
6444.488	H	100	-36.59	-13.00	23.59	PASS
8818.163	H	100	-30.36	-13.00	17.36	PASS
11310.86	H	100	-28.35	-13.00	15.35	PASS
14599.31	H	100	-23.14	-13.00	10.14	PASS
17489.89	H	100	-19.77	-13.00	6.77	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 30MHz (30MHz to 1 GHz)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 71		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
36.6448	V	100	-48.59	-13.00	35.59	PASS
287.1114	V	100	-58.81	-13.00	45.81	PASS
486.6988	V	100	-50.33	-13.00	37.33	PASS
580.648	V	100	-51.06	-13.00	38.06	PASS
704.9597	V	100	-49.12	-13.00	36.12	PASS
989.2325	V	100	-51.38	-13.00	38.38	PASS
37.9059	H	100	-48.80	-13.00	35.80	PASS
324.2642	H	100	-53.85	-13.00	40.85	PASS
419.329	H	100	-48.40	-13.00	35.40	PASS
669.4075	H	100	-47.50	-13.00	34.50	PASS
773.2027	H	100	-49.53	-13.00	36.53	PASS
967.6974	H	100	-51.03	-13.00	38.03	PASS

■ Spurious Emission Above 1GHz (1GHz to 10th harmonics)

Temperature: 25℃ Humidity: 60% Air Pressure 106kPa			Mode	LTE Band 71		
Frequency (MHz)	Antenna Polarization	RBW (kHz)	Emission level (dBm)	Limit (dBm)	Over (dB)	Verdict
3417.883	V	100	-40.18	-13.00	27.18	PASS
6444.488	V	100	-36.02	-13.00	23.02	PASS
8886.177	V	100	-30.43	-13.00	17.43	PASS
10032.20	V	100	-27.58	-13.00	14.58	PASS
14572.11	V	100	-23.38	-13.00	10.38	PASS
17996.59	V	100	-21.25	-13.00	8.25	PASS
3608.321	H	100	-41.59	-13.00	28.59	PASS
6386.677	H	100	-36.49	-13.00	23.49	PASS
8937.187	H	100	-30.50	-13.00	17.50	PASS
11501.30	H	100	-28.98	-13.00	15.98	PASS
14595.91	H	100	-23.92	-13.00	10.92	PASS
17486.49	H	100	-19.42	-13.00	6.42	PASS

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.
(2) Correct Factor= Ant_F + Cab_L - Preamp.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Detail of factor for radiated emission:

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---