

FCC RADIO TEST REPORT

FCC ID : PU5-TP00107BUC
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00107BUC
Applicant : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd.,
Hsichih Dist, New Taipei City 221,Taiwan
Manufacturer : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd.,
Hsichih Dist, New Taipei City 221,Taiwan
Standard : 47 CFR Part 2, 22(H), 24(E), 27

Equipment: Fibocom L860-GL tested inside of Lenovo Notebook Computer.

The product was received on Dec. 28, 2019 and testing was started from Jan. 26, 2020 and completed on Feb. 19, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FG9D2810B	01	Initial issue of report	Mar. 03, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(2)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Not Required	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	Not Required	See Note
-	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	Not Required	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	Not Required	See Note
-	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	Not Required	See Note
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	See Note
4.2	§2.1053 §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g)	Radiated Spurious Emission (Band 2) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	Pass	Under limit 0.88 dB at 1560.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		
Note: 1. Not required means after assessing, test items are not necessary to carry out. 2. The module (Model: L860-GL) makes no difference after verifying output power and Radiated Spurious Emission, this report reuses test data from the module report.				

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00107BUC
FCC ID	PU5-TP00107BUC
EUT supports Radios application	WCDMA/HSPA/LTE/GNSS
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom L860-GL tested inside of Lenovo Notebook Computer.

Antenna Information				
WWAN				3G<E (dBi)
Antenna	Manufacturer	WNC	Peak gain	2.54
	Part number	025.901FP.0001	Type	PIFA

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7 MHz ~ 1914.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 38 : 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5MHz ~ 2687.5 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25 : 1930.7 MHz ~ 1994.3 MHz LTE Band 26 : 869.7MHz ~ 893.3MHz LTE Band 38 : 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 2110.7 MHz ~ 2199.3 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.32 dBm LTE Band 4 : 23.34 dBm LTE Band 5 : 23.34 dBm LTE Band 7 : 23.47 dBm LTE Band 12 : 23.06 dBm LTE Band 13 : 23.02 dBm LTE Band 17 : 23.04 dBm LTE Band 25 : 23.28 dBm LTE Band 26 : 23.36 dBm LTE Band 38 : 23.48 dBm LTE Band 41 : 23.56 dBm LTE Band 66 : 23.40 dBm
Type of Modulation	QPSK / 16QAM / 64QAM

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52 , Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan	
Test Site No.	Sporton Site No.	
	TH05-HY	03CH07-HY
Test Engineer	Jacky Wang	Jesse Wang, Stan Hsieh, Ken Wu and Nick Yu
Temperature	23~25℃	20~23℃
Relative Humidity	52~55%	52~56%

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

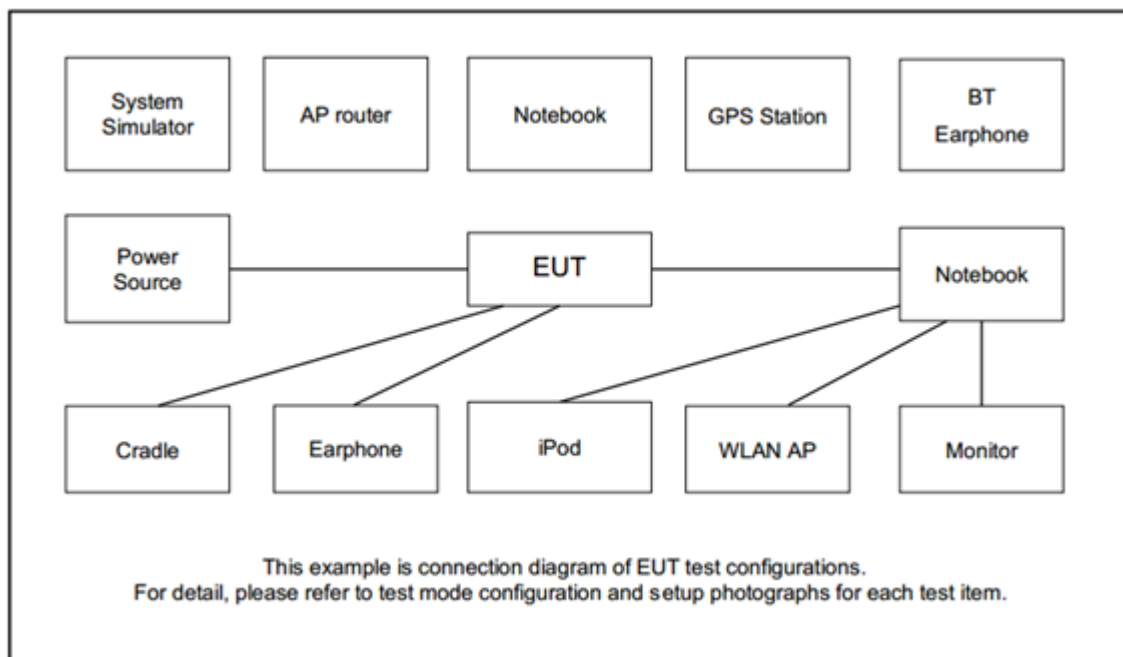
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in Notebook Type and three orthogonal panels, X, Y, Z. The worst cases (X Plane for LTE Band 26, Y Plane for LTE Band 2, 12, 41, 66, Z Plane for LTE Band 13, 25 and Notebook Type for LTE Band 7) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v			v	v	v
	13	-	-	v	v	-	-	v	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v			v	v	v
	38	-	-	v	v	v	v	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v	v			v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	2	Worst Case												v	v	v
	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
	25	Worst Case												v	v	v
	26	Worst Case												v	v	v
	41	Worst Case												v	v	v
	66	Worst Case												v	v	v
Remark	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Adapter 1. 5. Wider operating range bandwidth covers narrower one when the power is higher or the same.															

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5

LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

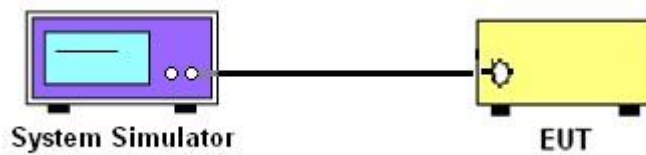
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

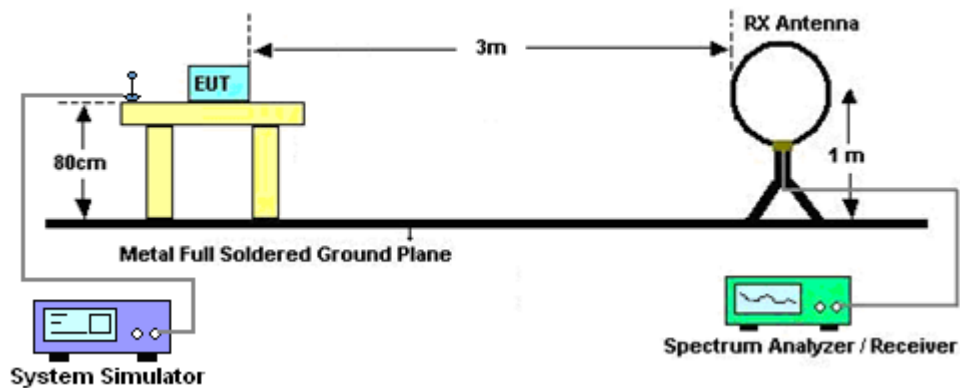
4 Radiated Test Items

4.1 Measuring Instruments

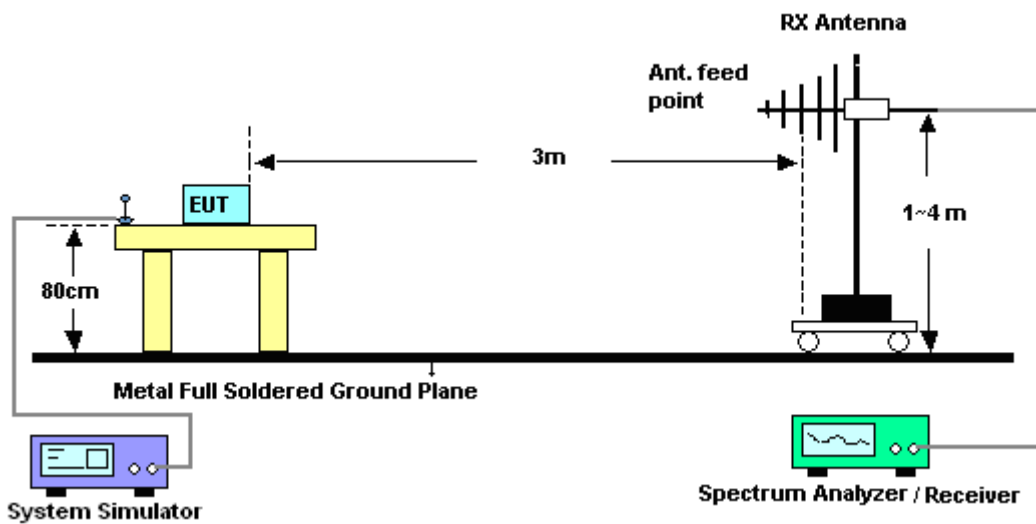
See list of measuring instruments of this test report.

4.1.1 Test Setup

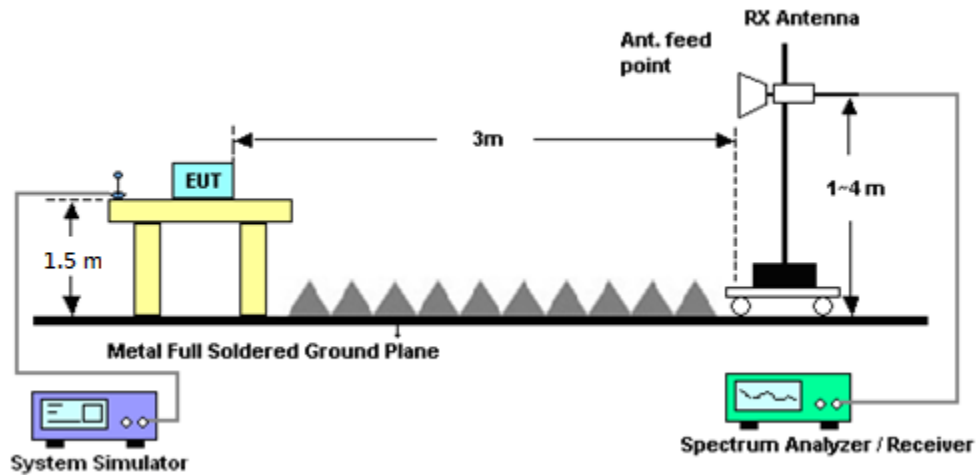
For radiated emissions below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7, 41

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

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. 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.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 41

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

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 30, 2019	Feb. 11, 2020~Feb. 19, 2020	Apr. 29, 2020	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 12, 2019	Feb. 11, 2020~Feb. 19, 2020	Oct. 11, 2020	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 06, 2019	Feb. 11, 2020~Feb. 19, 2020	Dec. 05, 2020	Radiation (03CH07-HY)
Horn Antenna	ESCO	3117	00066584	1GHz ~18GHz	Sep. 25, 2019	Feb. 11, 2020~Feb. 19, 2020	Sep. 24, 2020	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2019	Feb. 11, 2020~Feb. 19, 2020	May 13, 2020	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Dec. 06, 2019	Feb. 11, 2020~Feb. 19, 2020	Dec. 06, 2020	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Apr. 02, 2019	Feb. 11, 2020~Feb. 19, 2020	Apr. 01, 2020	Radiation (03CH07-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 28, 2019	Feb. 11, 2020~Feb. 19, 2020	Oct. 27, 2020	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 24, 2019	Feb. 11, 2020~Feb. 19, 2020	Apr. 23, 2020	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 20, 2019	Feb. 11, 2020~Feb. 19, 2020	May 19, 2020	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Nov. 01, 2019	Feb. 11, 2020~Feb. 19, 2020	Oct. 31, 2020	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Feb. 11, 2020~Feb. 19, 2020	Dec. 12, 2020	Radiation (03CH07-HY)
Filter	Microwave	H1G013G1	SN477215	1GHz High Pass Filter	Nov. 01, 2019	Feb. 11, 2020~Feb. 19, 2020	Oct. 31, 2020	Radiation (03CH07-HY)
Filter	Microwave	H3G018G1	SN477220	3GHz High Pass Filter	Nov. 01, 2019	Feb. 11, 2020~Feb. 19, 2020	Oct. 31, 2020	Radiation (03CH07-HY)
Filter	Wainwright	WHNX7.0-26.5 G-6SS	SN7	7GHz High Pass Filter	Aug. 22, 2019	Feb. 11, 2020~Feb. 19, 2020	Aug. 21, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 26, 2019	Feb. 11, 2020~Feb. 19, 2020	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 26, 2019	Feb. 11, 2020~Feb. 19, 2020	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 26, 2019	Feb. 11, 2020~Feb. 19, 2020	Feb. 25, 2020	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Feb. 11, 2020~Feb. 19, 2020	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Feb. 11, 2020~Feb. 19, 2020	N/A	Radiation (03CH07-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Aug. 27, 2019	Feb. 11, 2020~Feb. 19, 2020	Aug. 26, 2020	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	8050400465 6H	N/A	N/A	Feb. 11, 2020~Feb. 19, 2020	N/A	Radiation (03CH07-HY)
LTE Base Station	Anritsu	MT8820C	6201107509	-	Jul. 03, 2019	Jan. 26, 2020	Jul. 02, 2020	Conducted (TH05-HY)

6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.23
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.63
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.70
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.15	23.32	23.28
20	1	49		23.10	23.29	23.23
20	1	99		23.22	23.24	23.17
20	50	0		22.08	22.26	22.21
20	50	24		22.08	22.23	22.20
20	50	50		22.05	22.20	22.14
20	100	0		22.10	22.21	22.15
20	1	0	16-QAM	22.48	22.65	22.57
20	1	49		22.40	22.61	22.53
20	1	99		22.51	22.58	22.45
20	50	0		21.12	21.23	21.17
20	50	24		21.07	21.26	21.23
20	50	50		21.07	21.29	21.26
20	100	0		21.09	21.33	21.30
20	1	0	64-QAM	21.40	21.49	21.50
20	1	49		21.33	21.51	21.47
20	1	99		21.40	21.46	21.45
20	50	0		20.07	20.24	20.18
20	50	24		20.07	20.26	20.25
20	50	50		20.07	20.29	20.25
20	100	0		20.11	20.37	20.30
15	1	0	QPSK	23.05	23.27	23.21
15	1	37		23.06	23.23	23.16
15	1	74		23.15	23.19	23.16
15	36	0		22.03	22.26	22.15
15	36	20		22.04	22.20	22.19
15	36	39		22.02	22.16	22.10
15	75	0		22.07	22.18	22.11
15	1	0	16-QAM	22.47	22.56	22.55
15	1	37		22.30	22.53	22.47
15	1	74		22.46	22.53	22.42
15	36	0		21.08	21.19	21.08
15	36	20		21.03	21.25	21.18
15	36	39		21.05	21.21	21.25
15	75	0		21.01	21.26	21.25
15	1	0	64-QAM	21.30	21.45	21.46
15	1	37		21.28	21.51	21.39
15	1	74		21.36	21.46	21.37
15	36	0		20.02	20.18	20.16
15	36	20		19.98	20.26	20.21
15	36	39		20.07	20.22	20.24
15	75	0		20.10	20.36	20.23



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.11	23.23	23.18
10	1	25		23.00	23.24	23.19
10	1	49		23.16	23.21	23.12
10	25	0		21.99	22.17	22.19
10	25	12		22.08	22.14	22.20
10	25	25		22.04	22.16	22.04
10	50	0		22.08	22.15	22.15
10	1	0	16-QAM	22.44	22.57	22.52
10	1	25		22.35	22.52	22.48
10	1	49		22.45	22.48	22.37
10	25	0		21.03	21.13	21.16
10	25	12		21.02	21.23	21.17
10	25	25		21.00	21.27	21.23
10	50	0		21.08	21.25	21.28
10	1	0	64-QAM	21.40	21.41	21.45
10	1	25		21.23	21.50	21.47
10	1	49		21.33	21.37	21.44
10	25	0		19.99	20.14	20.08
10	25	12		20.06	20.17	20.16
10	25	25		20.01	20.25	20.17
10	50	0		20.01	20.32	20.23
5	1	0	QPSK	23.08	23.23	23.18
5	1	12		23.03	23.20	23.17
5	1	24		23.18	23.16	23.11
5	12	0		22.03	22.17	22.17
5	12	7		22.06	22.13	22.18
5	12	13		22.04	22.16	22.07
5	25	0		22.07	22.15	22.09
5	1	0	16-QAM	22.48	22.55	22.50
5	1	12		22.37	22.56	22.45
5	1	24		22.43	22.55	22.41
5	12	0		21.06	21.15	21.09
5	12	7		21.02	21.22	21.22
5	12	13		20.99	21.22	21.23
5	25	0		21.01	21.33	21.27
5	1	0	64-QAM	21.36	21.47	21.45
5	1	12		21.28	21.47	21.45
5	1	24		21.33	21.41	21.35
5	12	0		19.97	20.17	20.18
5	12	7		19.98	20.24	20.20
5	12	13		20.00	20.27	20.17
5	25	0		20.08	20.32	20.26



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.12	23.25	23.19
3	1	8		23.06	23.24	23.23
3	1	14		23.15	23.21	23.07
3	8	0		22.00	22.19	22.19
3	8	4		22.06	22.17	22.15
3	8	7		21.98	22.20	22.11
3	15	0		22.10	22.20	22.14
3	1	0	16-QAM	22.48	22.57	22.47
3	1	8		22.39	22.58	22.49
3	1	14		22.51	22.58	22.35
3	8	0		21.06	21.20	21.16
3	8	4		21.03	21.20	21.13
3	8	7		20.97	21.27	21.26
3	15	0		21.06	21.30	21.24
3	1	0	64-QAM	21.32	21.45	21.50
3	1	8		21.33	21.48	21.43
3	1	14		21.32	21.41	21.37
3	8	0		20.02	20.17	20.12
3	8	4		20.03	20.16	20.21
3	8	7		20.00	20.24	20.17
3	15	0		20.02	20.32	20.30
1.4	1	0	QPSK	23.07	23.30	23.26
1.4	1	3		23.03	23.27	23.22
1.4	1	5		23.13	23.24	23.12
1.4	3	0		23.09	23.24	23.22
1.4	3	1		23.09	23.23	23.20
1.4	3	3		23.17	23.22	23.07
1.4	6	0		22.03	22.15	22.13
1.4	1	0	16-QAM	22.38	22.56	22.57
1.4	1	3		22.30	22.59	22.50
1.4	1	5		22.49	22.57	22.42
1.4	3	0		22.43	22.57	22.50
1.4	3	1		22.38	22.59	22.44
1.4	3	3		22.47	22.57	22.35
1.4	6	0		21.08	21.29	21.28
1.4	1	0	64-QAM	21.31	21.43	21.47
1.4	1	3		21.31	21.49	21.41
1.4	1	5		21.39	21.41	21.35
1.4	3	0		21.35	21.48	21.48
1.4	3	1		21.32	21.47	21.42
1.4	3	3		21.38	21.46	21.41
1.4	6	0		20.07	20.29	20.20



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.25	23.28	23.21
20	1	49		23.04	23.18	23.17
20	1	99		23.04	23.20	23.11
20	50	0		22.15	22.38	22.32
20	50	24		22.04	22.30	22.27
20	50	50		21.97	22.25	22.04
20	100	0		22.04	22.25	22.17
20	1	0	16-QAM	22.53	22.51	22.62
20	1	49		22.39	22.58	22.63
20	1	99		22.37	22.51	22.42
20	50	0		21.20	21.29	21.35
20	50	24		21.10	21.33	21.31
20	50	50		21.03	21.28	21.09
20	100	0		21.08	21.27	21.30
20	1	0	64-QAM	21.43	21.35	21.50
20	1	49		21.37	21.46	21.52
20	1	99		21.25	21.40	21.30
20	50	0		20.20	20.32	20.38
20	50	24		20.10	20.34	20.32
20	50	50		20.02	20.30	20.09
20	100	0		20.07	20.28	20.30
15	1	0	QPSK	23.21	23.20	23.14
15	1	37		22.98	23.15	23.15
15	1	74		22.96	23.15	23.06
15	36	0		22.05	22.28	22.25
15	36	20		21.95	22.22	22.17
15	36	39		21.92	22.20	22.01
15	75	0		22.03	22.23	22.07
15	1	0	16-QAM	22.52	22.51	22.53
15	1	37		22.33	22.55	22.58
15	1	74		22.28	22.42	22.34
15	36	0		21.17	21.27	21.27
15	36	20		21.00	21.27	21.30
15	36	39		20.93	21.26	21.06
15	75	0		21.04	21.20	21.25
15	1	0	64-QAM	21.37	21.28	21.45
15	1	37		21.33	21.46	21.44
15	1	74		21.15	21.37	21.20
15	36	0		20.14	20.29	20.32
15	36	20		20.01	20.26	20.25
15	36	39		20.02	20.26	20.04
15	75	0		20.01	20.18	20.21



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.15	23.22	23.17
10	1	25		22.98	23.10	23.07
10	1	49		23.04	23.11	23.06
10	25	0		22.09	22.29	22.29
10	25	12		21.98	22.29	22.24
10	25	25		21.91	22.20	21.94
10	50	0		21.95	22.15	22.07
10	1	0	16-QAM	22.45	22.51	22.61
10	1	25		22.37	22.57	22.53
10	1	49		22.32	22.48	22.35
10	25	0		21.15	21.29	21.26
10	25	12		21.04	21.24	21.26
10	25	25		20.94	21.26	21.09
10	50	0		21.06	21.17	21.21
10	1	0	64-QAM	21.41	21.35	21.45
10	1	25		21.28	21.40	21.50
10	1	49		21.16	21.37	21.20
10	25	0		20.14	20.31	20.30
10	25	12		20.04	20.34	20.31
10	25	25		20.01	20.25	20.01
10	50	0		19.98	20.19	20.22
5	1	0	QPSK	23.19	23.24	23.11
5	1	12		23.03	23.11	23.07
5	1	24		22.98	23.12	23.05
5	12	0		22.06	22.34	22.28
5	12	7		22.00	22.30	22.20
5	12	13		21.97	22.23	21.97
5	25	0		21.94	22.20	22.17
5	1	0	16-QAM	22.47	22.44	22.52
5	1	12		22.37	22.54	22.54
5	1	24		22.30	22.42	22.34
5	12	0		21.14	21.24	21.34
5	12	7		21.01	21.30	21.28
5	12	13		20.97	21.28	21.07
5	25	0		21.04	21.20	21.21
5	1	0	64-QAM	21.39	21.35	21.50
5	1	12		21.30	21.45	21.47
5	1	24		21.19	21.31	21.29
5	12	0		20.10	20.26	20.33
5	12	7		20.10	20.24	20.28
5	12	13		19.93	20.30	19.99
5	25	0		20.04	20.22	20.26



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.16	23.25	23.12
3	1	8		22.94	23.09	23.08
3	1	14		22.94	23.13	23.05
3	8	0		22.05	22.37	22.27
3	8	4		21.96	22.20	22.21
3	8	7		21.89	22.17	22.01
3	15	0		22.00	22.16	22.08
3	1	0	16-QAM	22.44	22.48	22.60
3	1	8		22.31	22.54	22.59
3	1	14		22.27	22.45	22.32
3	8	0		21.10	21.22	21.33
3	8	4		21.09	21.25	21.23
3	8	7		20.93	21.18	21.01
3	15	0		21.01	21.17	21.22
3	1	0	64-QAM	21.41	21.33	21.41
3	1	8		21.28	21.43	21.51
3	1	14		21.15	21.39	21.26
3	8	0		20.13	20.30	20.37
3	8	4		20.10	20.33	20.28
3	8	7		19.93	20.27	20.04
3	15	0		20.01	20.20	20.25
1.4	1	0	QPSK	23.21	23.21	23.20
1.4	1	3		22.99	23.09	23.09
1.4	1	5		23.00	23.19	23.06
1.4	3	0		23.25	23.25	23.11
1.4	3	1		23.04	23.15	23.11
1.4	3	3		22.95	23.19	23.06
1.4	6	0		22.02	22.17	22.16
1.4	1	0	16-QAM	22.43	22.41	22.61
1.4	1	3		22.35	22.58	22.62
1.4	1	5		22.28	22.42	22.39
1.4	3	0		22.45	22.41	22.59
1.4	3	1		22.32	22.49	22.58
1.4	3	3		22.34	22.41	22.40
1.4	6	0		20.99	21.20	21.24
1.4	1	0	64-QAM	21.39	21.33	21.46
1.4	1	3		21.28	21.41	21.49
1.4	1	5		21.16	21.36	21.20
1.4	3	0		21.38	21.33	21.50
1.4	3	1		21.31	21.39	21.48
1.4	3	3		21.19	21.39	21.26
1.4	6	0		19.97	20.24	20.27



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.26	23.34	23.33
20	1	49		23.23	23.26	23.33
20	1	99		23.20	23.30	23.19
20	50	0		22.24	22.26	22.23
20	50	24		22.10	22.18	22.24
20	50	50		22.17	22.15	22.10
20	100	0		22.13	22.24	22.20
20	1	0	16-QAM	22.68	22.62	22.71
20	1	49		22.51	22.62	22.67
20	1	99		22.54	22.66	22.58
20	50	0		21.29	21.19	21.25
20	50	24		21.16	21.23	21.27
20	50	50		21.19	21.18	21.16
20	100	0		21.16	21.27	21.22
20	1	0	64-QAM	21.54	21.56	21.59
20	1	49		21.53	21.49	21.58
20	1	99		21.45	21.51	21.51
20	50	0		20.29	20.24	20.30
20	50	24		20.16	20.24	20.30
20	50	50		20.22	20.20	20.17
20	100	0		20.15	20.27	20.23
15	1	0	QPSK	23.22	23.31	23.24
15	1	37		23.14	23.16	23.24
15	1	74		23.18	23.26	23.14
15	36	0		22.23	22.25	22.15
15	36	20		22.00	22.15	22.21
15	36	39		22.10	22.14	22.10
15	75	0		22.09	22.19	22.15
15	1	0	16-QAM	22.64	22.61	22.64
15	1	37		22.47	22.53	22.62
15	1	74		22.51	22.62	22.53
15	36	0		21.24	21.09	21.20
15	36	20		21.11	21.17	21.27
15	36	39		21.10	21.17	21.13
15	75	0		21.11	21.23	21.14
15	1	0	64-QAM	21.46	21.53	21.56
15	1	37		21.52	21.42	21.57
15	1	74		21.36	21.46	21.44
15	36	0		20.26	20.20	20.30
15	36	20		20.16	20.22	20.27
15	36	39		20.17	20.20	20.10
15	75	0		20.09	20.21	20.14



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.17	23.32	23.24
10	1	25		23.16	23.19	23.29
10	1	49		23.19	23.20	23.13
10	25	0		22.23	22.25	22.16
10	25	12		22.00	22.10	22.16
10	25	25		22.16	22.06	22.10
10	50	0		22.09	22.22	22.14
10	1	0	16-QAM	22.68	22.60	22.64
10	1	25		22.43	22.60	22.66
10	1	49		22.49	22.66	22.53
10	25	0		21.24	21.13	21.20
10	25	12		21.08	21.23	21.23
10	25	25		21.10	21.15	21.06
10	50	0		21.12	21.25	21.13
10	1	0	64-QAM	21.48	21.50	21.56
10	1	25		21.46	21.40	21.48
10	1	49		21.40	21.45	21.45
10	25	0		20.25	20.17	20.27
10	25	12		20.16	20.16	20.22
10	25	25		20.17	20.15	20.14
10	50	0		20.14	20.22	20.20
5	1	0	QPSK	23.17	23.25	23.24
5	1	12		23.13	23.21	23.24
5	1	24		23.11	23.25	23.19
5	12	0		22.24	22.16	22.14
5	12	7		22.01	22.12	22.16
5	12	13		22.13	22.13	22.08
5	25	0		22.04	22.17	22.19
5	1	0	16-QAM	22.58	22.60	22.68
5	1	12		22.43	22.58	22.59
5	1	24		22.44	22.60	22.52
5	12	0		21.21	21.11	21.16
5	12	7		21.12	21.17	21.25
5	12	13		21.09	21.16	21.10
5	25	0		21.14	21.23	21.12
5	1	0	64-QAM	21.51	21.46	21.57
5	1	12		21.48	21.44	21.51
5	1	24		21.45	21.51	21.47
5	12	0		20.26	20.20	20.21
5	12	7		20.11	20.17	20.27
5	12	13		20.15	20.14	20.15
5	25	0		20.06	20.27	20.14



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.25	23.29	23.24
3	1	8		23.21	23.18	23.27
3	1	14		23.15	23.27	23.18
3	8	0		22.21	22.17	22.20
3	8	4		22.01	22.13	22.19
3	8	7		22.15	22.12	22.07
3	15	0		22.07	22.16	22.19
3	1	0	16-QAM	22.64	22.62	22.64
3	1	8		22.44	22.58	22.65
3	1	14		22.54	22.63	22.51
3	8	0		21.20	21.09	21.24
3	8	4		21.16	21.15	21.22
3	8	7		21.13	21.18	21.12
3	15	0		21.15	21.27	21.16
3	1	0	64-QAM	21.54	21.49	21.59
3	1	8		21.49	21.41	21.48
3	1	14		21.40	21.49	21.51
3	8	0		20.22	20.23	20.29
3	8	4		20.16	20.16	20.21
3	8	7		20.22	20.18	20.07
3	15	0		20.13	20.27	20.13
1.4	1	0	QPSK	23.16	23.28	23.25
1.4	1	3		23.16	23.23	23.31
1.4	1	5		23.15	23.29	23.18
1.4	3	0		23.19	23.26	23.26
1.4	3	1		23.23	23.25	23.29
1.4	3	3		23.13	23.25	23.19
1.4	6	0		22.13	22.15	22.12
1.4	1	0	16-QAM	22.62	22.59	22.71
1.4	1	3		22.42	22.57	22.62
1.4	1	5		22.49	22.57	22.58
1.4	3	0		22.66	22.58	22.63
1.4	3	1		22.49	22.53	22.60
1.4	3	3		22.48	22.57	22.54
1.4	6	0		21.10	21.17	21.14
1.4	1	0	64-QAM	21.48	21.50	21.54
1.4	1	3		21.44	21.45	21.57
1.4	1	5		21.35	21.46	21.51
1.4	3	0		21.16	21.24	21.13
1.4	3	1		21.48	21.51	21.51
1.4	3	3		21.46	21.48	21.49
1.4	6	0		20.05	20.18	20.23



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.14	23.34	23.20
10	1	25		23.23	23.17	23.17
10	1	49		23.29	23.17	23.13
10	25	0		22.15	22.24	22.13
10	25	12		22.18	22.13	22.10
10	25	25		22.23	22.18	22.17
10	50	0		22.18	22.22	22.15
10	1	0	16-QAM	22.50	22.59	22.53
10	1	25		22.63	22.56	22.49
10	1	49		22.66	22.47	22.41
10	25	0		21.22	21.22	21.21
10	25	12		21.27	21.21	21.17
10	25	25		21.33	21.26	21.26
10	50	0		21.22	21.15	21.21
10	1	0	64-QAM	21.32	21.56	21.39
10	1	25		21.46	21.38	21.42
10	1	49		21.56	21.38	21.35
10	25	0		20.23	20.22	20.22
10	25	12		20.26	20.19	20.17
10	25	25		20.33	20.26	20.29
10	50	0		20.22	20.14	20.21
5	1	0	QPSK	23.13	23.24	23.10
5	1	12		23.14	23.09	23.17
5	1	24		23.23	23.09	23.09
5	12	0		22.07	22.19	22.03
5	12	7		22.09	22.12	22.03
5	12	13		22.22	22.10	22.10
5	25	0		22.12	22.16	22.10
5	1	0	16-QAM	22.46	22.49	22.51
5	1	12		22.60	22.53	22.49
5	1	24		22.58	22.44	22.36
5	12	0		21.22	21.17	21.17
5	12	7		21.27	21.19	21.15
5	12	13		21.25	21.18	21.26
5	25	0		21.15	21.05	21.17
5	1	0	64-QAM	21.25	21.54	21.29
5	1	12		21.41	21.28	21.34
5	1	24		21.46	21.37	21.33
5	12	0		20.16	20.14	20.18
5	12	7		20.16	20.16	20.16
5	12	13		20.25	20.25	20.27
5	25	0		20.17	20.10	20.14



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.09	23.27	23.10
3	1	8		23.19	23.15	23.14
3	1	14		23.25	23.13	23.05
3	8	0		22.14	22.14	22.05
3	8	4		22.09	22.05	22.07
3	8	7		22.22	22.09	22.16
3	15	0		22.12	22.21	22.06
3	1	0	16-QAM	22.47	22.58	22.43
3	1	8		22.61	22.46	22.40
3	1	14		22.66	22.40	22.37
3	8	0		21.20	21.21	21.21
3	8	4		21.21	21.15	21.16
3	8	7		21.28	21.22	21.26
3	15	0		21.12	21.05	21.20
3	1	0	64-QAM	21.26	21.46	21.31
3	1	8		21.46	21.35	21.39
3	1	14		21.47	21.31	21.28
3	8	0		20.13	20.18	20.14
3	8	4		20.21	20.16	20.09
3	8	7		20.27	20.17	20.27
3	15	0		20.16	20.12	20.20
1.4	1	0	QPSK	23.07	23.27	23.15
1.4	1	3		23.21	23.10	23.09
1.4	1	5		23.26	23.12	23.08
1.4	3	0		23.09	23.30	23.11
1.4	3	1		23.18	23.10	23.07
1.4	3	3		23.27	23.09	23.08
1.4	6	0		22.15	22.14	22.14
1.4	1	0	16-QAM	22.43	22.59	22.52
1.4	1	3		22.63	22.56	22.45
1.4	1	5		22.60	22.43	22.35
1.4	3	0		22.41	22.52	22.51
1.4	3	1		22.56	22.56	22.42
1.4	3	3		22.56	22.46	22.34
1.4	6	0		21.22	21.06	21.14
1.4	1	0	64-QAM	21.28	21.48	21.31
1.4	1	3		21.46	21.36	21.38
1.4	1	5		21.50	21.31	21.35
1.4	3	0		21.24	21.47	21.30
1.4	3	1		21.45	21.32	21.38
1.4	3	3		21.54	21.38	21.34
1.4	6	0		20.16	20.08	20.18



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.27	23.47	23.36
20	1	49		23.17	23.22	23.28
20	1	99		23.25	23.32	23.28
20	50	0		22.38	22.53	22.46
20	50	24		22.28	22.37	22.46
20	50	50		22.33	22.31	22.42
20	100	0		22.35	22.45	22.40
20	1	0	16-QAM	22.42	22.73	22.43
20	1	49		22.47	22.45	22.80
20	1	99		22.91	22.45	22.55
20	50	0		21.31	21.45	21.44
20	50	24		21.31	21.38	21.59
20	50	50		21.45	21.41	21.56
20	100	0		21.37	21.41	21.62
20	1	0	64-QAM	21.43	21.66	21.38
20	1	49		21.32	21.45	21.70
20	1	99		21.80	21.43	21.50
20	50	0		20.31	20.45	20.42
20	50	24		20.30	20.37	20.59
20	50	50		20.44	20.40	20.54
20	100	0		20.36	20.41	20.62
15	1	0	QPSK	23.26	23.41	23.28
15	1	37		23.08	23.18	23.26
15	1	74		23.19	23.25	23.18
15	36	0		22.32	22.45	22.45
15	36	20		22.18	22.27	22.46
15	36	39		22.24	22.31	22.42
15	75	0		22.25	22.42	22.37
15	1	0	16-QAM	22.34	22.73	22.34
15	1	37		22.40	22.45	22.80
15	1	74		22.89	22.39	22.52
15	36	0		21.28	21.36	21.42
15	36	20		21.31	21.32	21.51
15	36	39		21.43	21.34	21.49
15	75	0		21.32	21.34	21.61
15	1	0	64-QAM	21.39	21.65	21.34
15	1	37		21.31	21.42	21.62
15	1	74		21.79	21.42	21.45
15	36	0		20.31	20.37	20.40
15	36	20		20.28	20.33	20.59
15	36	39		20.37	20.31	20.48
15	75	0		20.28	20.38	20.55



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.25	23.45	23.30
10	1	25		23.09	23.13	23.25
10	1	49		23.15	23.30	23.23
10	25	0		22.30	22.51	22.44
10	25	12		22.28	22.33	22.45
10	25	25		22.30	22.29	22.34
10	50	0		22.29	22.37	22.36
10	1	0	16-QAM	22.40	22.73	22.33
10	1	25		22.39	22.44	22.71
10	1	49		22.81	22.35	22.47
10	25	0		21.26	21.38	21.38
10	25	12		21.27	21.33	21.49
10	25	25		21.45	21.33	21.49
10	50	0		21.34	21.38	21.62
10	1	0	64-QAM	21.33	21.60	21.35
10	1	25		21.27	21.44	21.61
10	1	49		21.76	21.37	21.50
10	25	0		20.26	20.39	20.35
10	25	12		20.24	20.31	20.49
10	25	25		20.44	20.39	20.44
10	50	0		20.35	20.41	20.59
5	1	0	QPSK	23.17	23.44	23.36
5	1	12		23.13	23.14	23.21
5	1	24		23.15	23.24	23.26
5	12	0		22.31	22.50	22.43
5	12	7		22.19	22.32	22.43
5	12	13		22.27	22.25	22.32
5	25	0		22.31	22.40	22.37
5	1	0	16-QAM	22.38	22.64	22.41
5	1	12		22.38	22.36	22.71
5	1	24		22.91	22.37	22.45
5	12	0		21.30	21.40	21.40
5	12	7		21.21	21.29	21.53
5	12	13		21.36	21.39	21.47
5	25	0		21.35	21.39	21.54
5	1	0	64-QAM	21.39	21.63	21.29
5	1	12		21.29	21.38	21.63
5	1	24		21.79	21.39	21.49
5	12	0		20.22	20.39	20.32
5	12	7		20.22	20.28	20.55
5	12	13		20.42	20.30	20.50
5	25	0		20.34	20.41	20.54



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.91	23.06	22.93
10	1	25		23.02	23.00	22.98
10	1	49		23.00	23.04	23.04
10	25	0		21.97	22.04	21.98
10	25	12		22.01	21.96	21.94
10	25	25		21.99	22.02	21.96
10	50	0		21.92	21.95	21.94
10	1	0	16-QAM	22.22	22.29	22.21
10	1	25		22.31	22.33	22.24
10	1	49		22.43	22.32	22.34
10	25	0		21.06	21.02	21.06
10	25	12		21.08	21.06	21.07
10	25	25		21.07	21.15	21.07
10	50	0		21.07	21.00	20.99
10	1	0	64-QAM	21.16	21.23	21.19
10	1	25		21.26	21.28	21.21
10	1	49		21.38	21.28	21.29
10	25	0		20.08	20.04	20.05
10	25	12		20.10	20.08	20.08
10	25	25		20.08	20.15	20.08
10	50	0		20.07	20.01	20.00
5	1	0	QPSK	22.85	22.98	22.86
5	1	12		22.97	22.97	22.94
5	1	24		22.98	23.02	22.96
5	12	0		21.94	21.94	21.96
5	12	7		21.94	21.88	21.90
5	12	13		21.93	21.96	21.92
5	25	0		21.83	21.87	21.87
5	1	0	16-QAM	22.15	22.19	22.17
5	1	12		22.26	22.29	22.15
5	1	24		22.37	22.26	22.33
5	12	0		21.04	21.00	20.97
5	12	7		21.01	21.05	21.01
5	12	13		21.02	21.12	21.06
5	25	0		21.04	20.97	20.91
5	1	0	64-QAM	21.16	21.21	21.16
5	1	12		21.18	21.21	21.13
5	1	24		21.31	21.21	21.26
5	12	0		19.98	20.03	20.04
5	12	7		20.04	19.98	20.07
5	12	13		19.98	20.06	20.04
5	25	0		19.99	19.95	19.93



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.86	22.98	22.83
3	1	8		22.96	22.90	22.88
3	1	14		22.91	23.01	23.04
3	8	0		21.87	21.98	21.91
3	8	4		21.99	21.92	21.93
3	8	7		21.90	21.95	21.96
3	15	0		21.85	21.90	21.94
3	1	0	16-QAM	22.14	22.21	22.19
3	1	8		22.30	22.27	22.20
3	1	14		22.33	22.26	22.29
3	8	0		20.98	21.01	20.96
3	8	4		21.05	21.03	21.04
3	8	7		21.03	21.13	21.06
3	15	0		21.05	20.91	20.98
3	1	0	64-QAM	21.10	21.18	21.09
3	1	8		21.19	21.28	21.14
3	1	14		21.28	21.25	21.21
3	8	0		20.03	19.97	20.02
3	8	4		20.00	20.07	20.00
3	8	7		20.04	20.15	20.05
3	15	0		19.97	19.91	19.98
1.4	1	0	QPSK	22.82	23.03	22.89
1.4	1	3		22.96	23.00	22.91
1.4	1	5		22.97	23.01	22.95
1.4	3	0		22.86	22.99	22.89
1.4	3	1		22.98	22.98	22.95
1.4	3	3		22.97	22.96	22.97
1.4	6	0		21.90	21.87	21.89
1.4	1	0	16-QAM	22.13	22.24	22.11
1.4	1	3		22.26	22.28	22.24
1.4	1	5		22.42	22.28	22.31
1.4	3	0		22.14	22.26	22.14
1.4	3	1		22.27	22.27	22.19
1.4	3	3		22.33	22.24	22.25
1.4	6	0		20.99	20.90	20.90
1.4	1	0	64-QAM	21.10	21.15	21.14
1.4	1	3		21.26	21.22	21.21
1.4	1	5		21.32	21.23	21.24
1.4	3	0		21.09	21.16	21.18
1.4	3	1		21.23	21.25	21.11
1.4	3	3		21.32	21.19	21.29
1.4	6	0		20.02	19.97	19.95



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	23.02	-
10	1	25			23.00	
10	1	49			23.00	
10	25	0			22.15	
10	25	12			22.07	
10	25	25			22.13	
10	50	0			22.02	
10	1	0	16-QAM		22.13	
10	1	25			22.32	
10	1	49			22.34	
10	25	0			21.28	
10	25	12			21.10	
10	25	25			21.21	
10	50	0			21.12	
10	1	0	64-QAM		21.13	
10	1	25			21.34	
10	1	49			21.34	
10	25	0			20.25	
10	25	12			20.09	
10	25	25			20.20	
10	50	0			20.12	
5	1	0	QPSK	22.98	22.92	22.99
5	1	12		23.00	22.90	22.96
5	1	24		22.99	22.98	22.99
5	12	0		22.13	22.09	22.11
5	12	7		21.99	22.04	22.01
5	12	13		22.05	22.05	22.11
5	25	0		21.93	22.01	22.00
5	1	0	16-QAM	22.04	22.08	22.08
5	1	12		22.29	22.32	22.24
5	1	24		22.26	22.26	22.32
5	12	0		21.25	21.25	21.21
5	12	7		21.09	21.02	21.08
5	12	13		21.18	21.16	21.18
5	25	0		21.10	21.12	21.03
5	1	0	64-QAM	21.13	21.12	21.06
5	1	12		21.30	21.24	21.34
5	1	24		21.24	21.25	21.32
5	12	0		20.25	20.19	20.25
5	12	7		20.03	20.04	20.01
5	12	13		20.11	20.12	20.14
5	25	0		20.12	20.06	20.02



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.99	23.04	22.94
10	1	25		22.94	22.99	22.96
10	1	49		23.00	22.98	23.03
10	25	0		21.92	21.99	21.98
10	25	12		21.98	21.96	21.95
10	25	25		21.97	21.95	21.96
10	50	0		21.89	21.96	21.95
10	1	0	16-QAM	22.29	22.28	22.26
10	1	25		22.33	22.32	22.29
10	1	49		22.29	22.25	22.31
10	25	0		20.99	21.01	21.08
10	25	12		21.10	21.09	21.08
10	25	25		21.10	21.05	21.06
10	50	0		21.02	21.00	20.99
10	1	0	64-QAM	21.28	21.16	21.17
10	1	25		21.29	21.26	21.20
10	1	49		21.22	21.28	21.24
10	25	0		20.02	20.02	20.06
10	25	12		20.11	20.05	20.06
10	25	25		20.12	20.08	20.09
10	50	0		20.02	20.01	20.00
5	1	0	QPSK	22.89	23.01	22.90
5	1	12		22.87	22.95	22.90
5	1	24		22.93	22.94	22.99
5	12	0		21.87	21.99	21.96
5	12	7		21.90	21.93	21.86
5	12	13		21.90	21.85	21.90
5	25	0		21.84	21.93	21.87
5	1	0	16-QAM	22.23	22.20	22.16
5	1	12		22.26	22.26	22.26
5	1	24		22.27	22.22	22.23
5	12	0		20.98	20.97	21.04
5	12	7		21.10	20.99	21.02
5	12	13		21.01	21.02	21.03
5	25	0		20.92	20.91	20.93
5	1	0	64-QAM	21.24	21.15	21.16
5	1	12		21.29	21.17	21.18
5	1	24		21.18	21.25	21.19
5	12	0		19.98	19.95	19.97
5	12	7		20.02	19.98	19.99
5	12	13		20.06	19.98	20.07
5	25	0		19.94	19.93	19.90



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.25	23.36	23.24
15	1	37		23.23	23.32	23.23
15	1	74		23.19	23.28	23.19
15	36	0		22.17	22.34	22.18
15	36	20		22.15	22.23	22.17
15	36	39		22.18	22.13	22.21
15	75	0		22.19	22.28	22.20
15	1	0	16-QAM	22.49	22.41	22.54
15	1	37		22.53	22.62	22.53
15	1	74		22.59	22.56	22.45
15	36	0		21.25	21.19	21.24
15	36	20		21.22	21.31	21.22
15	36	39		21.24	21.21	21.28
15	75	0		21.23	21.32	21.22
15	1	0	64-QAM	21.43	21.44	21.41
15	1	37		21.45	21.56	21.46
15	1	74		21.51	21.47	21.39
15	36	0		20.25	20.20	20.25
15	36	20		20.23	20.31	20.23
15	36	39		20.26	20.20	20.29
15	75	0		20.21	20.30	20.22
10	1	0	QPSK	23.15	23.30	23.14
10	1	25		23.14	23.24	23.14
10	1	49		23.18	23.19	23.11
10	25	0		22.09	22.33	22.16
10	25	12		22.09	22.22	22.15
10	25	25		22.15	22.03	22.21
10	50	0		22.11	22.24	22.19
10	1	0	16-QAM	22.47	22.36	22.54
10	1	25		22.51	22.52	22.49
10	1	49		22.53	22.54	22.42
10	25	0		21.18	21.10	21.17
10	25	12		21.13	21.24	21.19
10	25	25		21.20	21.11	21.19
10	50	0		21.20	21.29	21.17
10	1	0	64-QAM	21.39	21.43	21.31
10	1	25		21.37	21.52	21.36
10	1	49		21.51	21.42	21.30
10	25	0		20.24	20.14	20.23
10	25	12		20.14	20.30	20.15
10	25	25		20.17	20.13	20.25
10	50	0		20.20	20.24	20.19



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.22	23.30	23.18
5	1	12		23.20	23.25	23.22
5	1	24		23.17	23.26	23.10
5	12	0		22.10	22.24	22.14
5	12	7		22.13	22.19	22.12
5	12	13		22.16	22.09	22.11
5	25	0		22.19	22.26	22.12
5	1	0	16-QAM	22.40	22.35	22.51
5	1	12		22.53	22.58	22.44
5	1	24		22.58	22.51	22.44
5	12	0		21.15	21.09	21.22
5	12	7		21.18	21.26	21.20
5	12	13		21.20	21.14	21.27
5	25	0		21.14	21.32	21.18
5	1	0	64-QAM	21.42	21.35	21.33
5	1	12		21.36	21.52	21.46
5	1	24		21.42	21.43	21.39
5	12	0		20.18	20.20	20.16
5	12	7		20.23	20.21	20.15
5	12	13		20.18	20.10	20.26
5	25	0		20.14	20.29	20.16
3	1	0	QPSK	23.23	23.27	23.17
3	1	8		23.17	23.31	23.22
3	1	14		23.13	23.23	23.09
3	8	0		22.15	22.27	22.13
3	8	4		22.12	22.20	22.15
3	8	7		22.09	22.04	22.17
3	15	0		22.12	22.23	22.14
3	1	0	16-QAM	22.45	22.34	22.49
3	1	8		22.51	22.61	22.43
3	1	14		22.59	22.50	22.35
3	8	0		21.15	21.17	21.18
3	8	4		21.22	21.23	21.14
3	8	7		21.17	21.16	21.20
3	15	0		21.23	21.26	21.22
3	1	0	64-QAM	21.35	21.42	21.34
3	1	8		21.38	21.56	21.40
3	1	14		21.48	21.45	21.37
3	8	0		20.21	20.17	20.21
3	8	4		20.16	20.24	20.16
3	8	7		20.16	20.13	20.22
3	15	0		20.15	20.23	20.22



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.22	23.27	23.20
1.4	1	3		23.17	23.29	23.13
1.4	1	5		23.17	23.18	23.09
1.4	3	0		23.20	23.32	23.17
1.4	3	1		23.18	23.31	23.15
1.4	3	3		23.17	23.18	23.09
1.4	6	0		22.10	22.24	22.15
1.4	1	0	16-QAM	22.39	22.31	22.54
1.4	1	3		22.52	22.62	22.44
1.4	1	5		22.55	22.47	22.41
1.4	3	0		22.15	22.27	22.11
1.4	3	1		22.42	22.32	22.51
1.4	3	3		22.53	22.54	22.52
1.4	6	0		21.15	21.26	21.21
1.4	1	0	64-QAM	21.42	21.43	21.34
1.4	1	3		21.40	21.49	21.36
1.4	1	5		21.50	21.38	21.32
1.4	3	0		21.36	21.40	21.41
1.4	3	1		21.42	21.46	21.37
1.4	3	3		21.47	21.41	21.32
1.4	6	0		20.19	20.23	20.13



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.42	23.48	23.36
20	1	49		23.37	23.32	23.36
20	1	99		23.36	23.43	23.37
20	50	0		22.33	22.38	22.33
20	50	24		22.35	22.28	22.33
20	50	50		22.31	22.30	22.32
20	100	0		22.28	22.31	22.23
20	1	0	16-QAM	22.45	22.32	22.39
20	1	49		22.39	22.26	22.36
20	1	99		22.40	22.45	22.47
20	50	0		21.38	21.32	21.36
20	50	24		21.39	21.32	21.37
20	50	50		21.35	21.34	21.46
20	100	0		21.38	21.31	21.44
20	1	0	64-QAM	21.39	21.32	21.39
20	1	49		21.36	21.23	21.29
20	1	99		21.36	21.39	21.47
20	50	0		20.44	20.37	20.41
20	50	24		20.45	20.37	20.41
20	50	50		20.40	20.37	20.48
20	100	0		20.42	20.34	20.45
15	1	0	QPSK	23.40	23.41	23.29
15	1	37		23.29	23.22	23.32
15	1	74		23.26	23.42	23.35
15	36	0		22.28	22.30	22.28
15	36	20		22.33	22.23	22.27
15	36	39		22.26	22.27	22.29
15	75	0		22.26	22.21	22.18
15	1	0	16-QAM	22.40	22.23	22.36
15	1	37		22.34	22.16	22.28
15	1	74		22.33	22.40	22.44
15	36	0		21.38	21.23	21.31
15	36	20		21.32	21.24	21.36
15	36	39		21.28	21.25	21.39
15	75	0		21.33	21.26	21.35
15	1	0	64-QAM	21.39	21.27	21.37
15	1	37		21.32	21.16	21.19
15	1	74		21.26	21.36	21.37
15	36	0		20.34	20.30	20.33
15	36	20		20.38	20.30	20.39
15	36	39		20.32	20.27	20.41
15	75	0		20.34	20.27	20.41



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.39	23.43	23.36
10	1	25		23.35	23.29	23.26
10	1	49		23.34	23.37	23.33
10	25	0		22.29	22.29	22.33
10	25	12		22.26	22.18	22.26
10	25	25		22.23	22.26	22.22
10	50	0		22.23	22.30	22.20
10	1	0	16-QAM	22.35	22.22	22.30
10	1	25		22.34	22.19	22.31
10	1	49		22.33	22.42	22.45
10	25	0		21.33	21.24	21.26
10	25	12		21.37	21.24	21.33
10	25	25		21.32	21.33	21.46
10	50	0		21.33	21.26	21.42
10	1	0	64-QAM	21.31	21.23	21.37
10	1	25		21.27	21.20	21.25
10	1	49		21.34	21.34	21.37
10	25	0		20.36	20.33	20.36
10	25	12		20.45	20.31	20.35
10	25	25		20.39	20.37	20.47
10	50	0		20.40	20.29	20.42
5	1	0	QPSK	23.32	23.44	23.29
5	1	12		23.30	23.23	23.35
5	1	24		23.33	23.34	23.27
5	12	0		22.33	22.32	22.33
5	12	7		22.32	22.26	22.28
5	12	13		22.23	22.26	22.22
5	25	0		22.23	22.28	22.14
5	1	0	16-QAM	22.44	22.28	22.38
5	1	12		22.30	22.25	22.27
5	1	24		22.34	22.40	22.42
5	12	0		21.38	21.28	21.31
5	12	7		21.36	21.24	21.33
5	12	13		21.27	21.32	21.41
5	25	0		21.36	21.21	21.41
5	1	0	64-QAM	21.31	21.30	21.39
5	1	12		21.29	21.16	21.22
5	1	24		21.26	21.31	21.43
5	12	0		20.43	20.34	20.31
5	12	7		20.45	20.32	20.39
5	12	13		20.39	20.31	20.40
5	25	0		20.39	20.31	20.36



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.53	23.47	23.56
20	1	49		23.51	23.36	23.49
20	1	99		23.46	23.44	23.47
20	50	0		22.53	22.37	22.54
20	50	24		22.53	22.33	22.47
20	50	50		22.53	22.36	22.50
20	100	0		22.44	22.36	22.50
20	1	0	16-QAM	22.60	22.35	22.46
20	1	49		22.58	22.34	22.44
20	1	99		22.48	22.44	22.53
20	50	0		21.54	21.37	21.51
20	50	24		21.54	21.38	21.52
20	50	50		21.55	21.40	21.55
20	100	0		21.55	21.36	21.51
20	1	0	64-QAM	21.52	21.33	21.44
20	1	49		21.53	21.35	21.47
20	1	99		21.46	21.45	21.55
20	50	0		20.58	20.41	20.53
20	50	24		20.57	20.41	20.54
20	50	50		20.58	20.44	20.57
20	100	0		20.56	20.38	20.51
15	1	0	QPSK	23.52	23.26	23.54
15	1	37		23.44	23.28	23.42
15	1	74		23.44	23.46	23.45
15	36	0		22.48	22.24	22.51
15	36	20		22.45	22.27	22.39
15	36	39		22.45	22.29	22.49
15	75	0		22.35	22.34	22.48
15	1	0	16-QAM	22.50	22.25	22.44
15	1	37		22.57	22.31	22.39
15	1	74		22.47	22.39	22.48
15	36	0		21.46	21.34	21.44
15	36	20		21.52	21.38	21.42
15	36	39		21.49	21.34	21.51
15	75	0		21.45	21.29	21.49
15	1	0	64-QAM	21.44	21.32	21.37
15	1	37		21.53	21.26	21.42
15	1	74		21.44	21.45	21.51
15	36	0		20.53	20.35	20.51
15	36	20		20.56	20.35	20.48
15	36	39		20.58	20.38	20.57
15	75	0		20.55	20.32	20.51



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.47	23.28	23.55
10	1	25		23.41	23.34	23.48
10	1	49		23.46	23.42	23.43
10	25	0		22.53	22.27	22.52
10	25	12		22.50	22.33	22.44
10	25	25		22.46	22.33	22.46
10	50	0		22.36	22.26	22.48
10	1	0	16-QAM	22.51	22.34	22.42
10	1	25		22.48	22.29	22.34
10	1	49		22.46	22.35	22.48
10	25	0		21.50	21.37	21.47
10	25	12		21.53	21.37	21.48
10	25	25		21.53	21.30	21.47
10	50	0		21.49	21.32	21.50
10	1	0	64-QAM	21.46	21.23	21.40
10	1	25		21.44	21.33	21.47
10	1	49		21.46	21.36	21.48
10	25	0		20.55	20.40	20.51
10	25	12		20.53	20.32	20.51
10	25	25		20.56	20.43	20.55
10	50	0		20.54	20.35	20.44
5	1	0	QPSK	23.50	23.29	23.49
5	1	12		23.51	23.36	23.44
5	1	24		23.38	23.44	23.45
5	12	0		22.50	22.24	22.46
5	12	7		22.48	22.30	22.47
5	12	13		22.46	22.32	22.45
5	25	0		22.40	22.26	22.46
5	1	0	16-QAM	22.53	22.31	22.44
5	1	12		22.56	22.32	22.38
5	1	24		22.47	22.41	22.45
5	12	0		21.46	21.27	21.46
5	12	7		21.47	21.30	21.43
5	12	13		21.50	21.40	21.54
5	25	0		21.48	21.29	21.46
5	1	0	64-QAM	21.48	21.29	21.44
5	1	12		21.49	21.25	21.42
5	1	24		21.43	21.43	21.46
5	12	0		20.58	20.35	20.45
5	12	7		20.55	20.39	20.50
5	12	13		20.58	20.43	20.57
5	25	0		20.49	20.36	20.48



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.25	23.40	23.14
20	1	49		23.15	23.32	23.13
20	1	99		23.14	23.14	23.00
20	50	0		22.18	22.29	22.01
20	50	24		22.04	22.20	22.05
20	50	50		22.11	22.06	22.01
20	100	0		22.07	22.15	22.13
20	1	0	16-QAM	22.63	22.60	22.36
20	1	49		22.47	22.63	22.44
20	1	99		22.50	22.51	22.33
20	50	0		21.22	21.20	21.05
20	50	24		21.08	21.20	21.06
20	50	50		21.12	21.10	21.03
20	100	0		21.09	21.15	21.09
20	1	0	64-QAM	21.56	21.50	21.25
20	1	49		21.36	21.55	21.29
20	1	99		21.37	21.33	21.25
20	50	0		20.22	20.25	20.05
20	50	24		20.08	20.24	20.08
20	50	50		20.15	20.10	20.04
20	100	0		20.09	20.17	20.14
15	1	0	QPSK	23.22	23.34	23.11
15	1	37		23.14	23.29	23.13
15	1	74		23.08	23.08	23.00
15	36	0		22.13	22.25	21.99
15	36	20		21.95	22.14	21.95
15	36	39		22.01	22.02	21.96
15	75	0		21.97	22.11	22.09
15	1	0	16-QAM	22.53	22.60	22.28
15	1	37		22.47	22.53	22.41
15	1	74		22.40	22.49	22.24
15	36	0		21.19	21.18	20.96
15	36	20		21.01	21.19	21.04
15	36	39		21.04	21.02	21.00
15	75	0		20.99	21.08	21.02
15	1	0	64-QAM	21.48	21.41	21.18
15	1	37		21.32	21.47	21.21
15	1	74		21.33	21.23	21.25
15	36	0		20.15	20.16	20.03
15	36	20		20.04	20.14	20.01
15	36	39		20.15	20.10	20.02
15	75	0		20.00	20.07	20.08



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.23	23.31	23.05
10	1	25		23.13	23.29	23.11
10	1	49		23.05	23.10	22.94
10	25	0		22.10	22.20	21.95
10	25	12		21.99	22.18	21.95
10	25	25		22.08	22.05	22.01
10	50	0		21.98	22.13	22.06
10	1	0	16-QAM	22.63	22.52	22.30
10	1	25		22.40	22.62	22.41
10	1	49		22.47	22.51	22.29
10	25	0		21.22	21.18	20.96
10	25	12		21.01	21.16	20.98
10	25	25		21.04	21.03	20.93
10	50	0		21.06	21.06	20.99
10	1	0	64-QAM	21.50	21.44	21.24
10	1	25		21.27	21.46	21.28
10	1	49		21.33	21.28	21.23
10	25	0		20.22	20.21	19.99
10	25	12		19.99	20.22	20.08
10	25	25		20.05	20.07	19.96
10	50	0		20.05	20.13	20.13
5	1	0	QPSK	23.24	23.38	23.08
5	1	12		23.11	23.27	23.06
5	1	24		23.14	23.05	22.98
5	12	0		22.16	22.20	21.93
5	12	7		22.03	22.18	22.02
5	12	13		22.11	22.02	21.95
5	25	0		22.02	22.07	22.03
5	1	0	16-QAM	22.59	22.60	22.27
5	1	12		22.39	22.62	22.44
5	1	24		22.50	22.44	22.29
5	12	0		21.22	21.17	21.05
5	12	7		21.03	21.16	21.02
5	12	13		21.10	21.07	20.95
5	25	0		21.02	21.08	21.02
5	1	0	64-QAM	21.49	21.41	21.23
5	1	12		21.32	21.45	21.23
5	1	24		21.30	21.24	21.20
5	12	0		20.18	20.23	20.01
5	12	7		20.07	20.18	20.00
5	12	13		20.09	20.06	20.01
5	25	0		20.08	20.10	20.14



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.25	23.30	23.05
3	1	8		23.14	23.26	23.10
3	1	14		23.11	23.04	22.96
3	8	0		22.09	22.20	21.92
3	8	4		21.98	22.10	21.96
3	8	7		22.10	22.01	22.01
3	15	0		22.02	22.12	22.05
3	1	0	16-QAM	22.62	22.57	22.35
3	1	8		22.42	22.59	22.44
3	1	14		22.43	22.43	22.24
3	8	0		21.13	21.18	21.04
3	8	4		21.07	21.20	20.97
3	8	7		21.08	21.06	20.93
3	15	0		21.03	21.10	21.07
3	1	0	64-QAM	21.51	21.46	21.25
3	1	8		21.32	21.45	21.22
3	1	14		21.30	21.32	21.21
3	8	0		20.13	20.20	19.98
3	8	4		19.99	20.16	20.01
3	8	7		20.05	20.01	19.94
3	15	0		20.08	20.09	20.08
1.4	1	0	QPSK	23.17	23.32	23.07
1.4	1	3		23.09	23.29	23.04
1.4	1	5		23.11	23.10	23.00
1.4	3	0		23.24	23.34	23.08
1.4	3	1		23.10	23.32	23.04
1.4	3	3		23.09	23.08	22.98
1.4	6	0		22.05	22.13	22.04
1.4	1	0	16-QAM	22.55	22.53	22.34
1.4	1	3		22.40	22.54	22.38
1.4	1	5		22.45	22.43	22.27
1.4	3	0		22.63	22.53	22.28
1.4	3	1		22.45	22.60	22.36
1.4	3	3		22.44	22.48	22.33
1.4	6	0		21.04	21.13	21.01
1.4	1	0	64-QAM	21.56	21.47	21.22
1.4	1	3		21.28	21.50	21.27
1.4	1	5		21.36	21.28	21.25
1.4	3	0		21.48	21.45	21.22
1.4	3	1		21.26	21.47	21.21
1.4	3	3		21.37	21.33	21.23
1.4	6	0		20.03	20.14	20.08



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.07	0.2028	25.61	0.3639
Middle		1	0	23.30	0.2138	25.84	0.3837
Highest		1	0	23.26	0.2118	25.80	0.3802
Lowest	16QAM	1	3	22.30	0.1698	24.84	0.3048
Middle		1	3	22.59	0.1816	25.13	0.3258
Highest		1	3	22.50	0.1778	25.04	0.3192
Lowest	64QAM	1	3	21.31	0.1352	23.85	0.2427
Middle		1	3	21.49	0.1409	24.03	0.2529
Highest		1	3	21.41	0.1384	23.95	0.2483
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.12	0.2051	25.66	0.3681
Middle		1	0	23.25	0.2113	25.79	0.3793
Highest		1	0	23.19	0.2084	25.73	0.3741
Lowest	16QAM	1	8	22.39	0.1734	24.93	0.3112
Middle		1	8	22.58	0.1811	25.12	0.3251
Highest		1	8	22.49	0.1774	25.03	0.3184
Lowest	64QAM	1	0	21.32	0.1355	23.86	0.2432
Middle		1	0	21.45	0.1396	23.99	0.2506
Highest		1	0	21.50	0.1413	24.04	0.2535
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	25.62	0.3648
Middle		1	0	23.23	0.2104	25.77	0.3776
Highest		1	0	23.18	0.2080	25.72	0.3733
Lowest	16QAM	1	12	22.37	0.1726	24.91	0.3097
Middle		1	12	22.56	0.1803	25.10	0.3236
Highest		1	12	22.45	0.1758	24.99	0.3155
Lowest	64QAM	1	0	21.36	0.1368	23.90	0.2455
Middle		1	0	21.47	0.1403	24.01	0.2518
Highest		1	0	21.45	0.1396	23.99	0.2506
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.00	0.1995	25.54	0.3581
Middle		1	25	23.24	0.2109	25.78	0.3784
Highest		1	25	23.19	0.2084	25.73	0.3741
Lowest	16QAM	1	0	22.44	0.1754	24.98	0.3148
Middle		1	0	22.57	0.1807	25.11	0.3243
Highest		1	0	22.52	0.1786	25.06	0.3206
Lowest	64QAM	1	25	21.23	0.1327	23.77	0.2382
Middle		1	25	21.50	0.1413	24.04	0.2535
Highest		1	25	21.47	0.1403	24.01	0.2518
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.05	0.2018	25.59	0.3622
Middle		1	0	23.27	0.2123	25.81	0.3811
Highest		1	0	23.21	0.2094	25.75	0.3758
Lowest	16QAM	1	0	22.47	0.1766	25.01	0.3170
Middle		1	0	22.56	0.1803	25.10	0.3236
Highest		1	0	22.55	0.1799	25.09	0.3228
Lowest	64QAM	1	37	21.28	0.1343	23.82	0.2410
Middle		1	37	21.51	0.1416	24.05	0.2541
Highest		1	37	21.39	0.1377	23.93	0.2472
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.15	0.2065	25.69	0.3707
Middle		1	0	23.32	0.2148	25.86	0.3855
Highest		1	0	23.28	0.2128	25.82	0.3819
Lowest	16QAM	1	0	22.48	0.1770	25.02	0.3177
Middle		1	0	22.65	0.1841	25.19	0.3304
Highest		1	0	22.57	0.1807	25.11	0.3243
Lowest	64QAM	1	49	21.33	0.1358	23.87	0.2438
Middle		1	49	21.51	0.1416	24.05	0.2541
Highest		1	49	21.47	0.1403	24.01	0.2518
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 1.4MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	23.25	0.2113	25.79	0.3793
Middle		3	0	23.25	0.2113	25.79	0.3793
Highest		3	0	23.11	0.2046	25.65	0.3673
Lowest	16QAM	1	3	22.35	0.1718	24.89	0.3083
Middle		1	3	22.58	0.1811	25.12	0.3251
Highest		1	3	22.62	0.1828	25.16	0.3281
Lowest	64QAM	3	0	21.38	0.1374	23.92	0.2466
Middle		3	0	21.33	0.1358	23.87	0.2438
Highest		3	0	21.50	0.1413	24.04	0.2535
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.16	0.2070	25.70	0.3715
Middle		1	0	23.25	0.2113	25.79	0.3793
Highest		1	0	23.12	0.2051	25.66	0.3681
Lowest	16QAM	1	0	22.44	0.1754	24.98	0.3148
Middle		1	0	22.48	0.1770	25.02	0.3177
Highest		1	0	22.60	0.1820	25.14	0.3266
Lowest	64QAM	1	8	21.28	0.1343	23.82	0.2410
Middle		1	8	21.43	0.1390	23.97	0.2495
Highest		1	8	21.51	0.1416	24.05	0.2541
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.19	0.2084	25.73	0.3741
Middle		1	0	23.24	0.2109	25.78	0.3784
Highest		1	0	23.11	0.2046	25.65	0.3673
Lowest	16QAM	1	12	22.37	0.1726	24.91	0.3097
Middle		1	12	22.54	0.1795	25.08	0.3221
Highest		1	12	22.54	0.1795	25.08	0.3221
Lowest	64QAM	1	0	21.39	0.1377	23.93	0.2472
Middle		1	0	21.35	0.1365	23.89	0.2449
Highest		1	0	21.50	0.1413	24.04	0.2535
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 10MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.15	0.2065	25.69	0.3707
Middle		1	0	23.22	0.2099	25.76	0.3767
Highest		1	0	23.17	0.2075	25.71	0.3724
Lowest	16QAM	1	0	22.45	0.1758	24.99	0.3155
Middle		1	0	22.51	0.1782	25.05	0.3199
Highest		1	0	22.61	0.1824	25.15	0.3273
Lowest	64QAM	1	25	21.28	0.1343	23.82	0.2410
Middle		1	25	21.40	0.1380	23.94	0.2477
Highest		1	25	21.50	0.1413	24.04	0.2535
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.21	0.2094	25.75	0.3758
Middle		1	0	23.20	0.2089	25.74	0.3750
Highest		1	0	23.14	0.2061	25.68	0.3698
Lowest	16QAM	1	37	22.33	0.1710	24.87	0.3069
Middle		1	37	22.55	0.1799	25.09	0.3228
Highest		1	37	22.58	0.1811	25.12	0.3251
Lowest	64QAM	1	37	21.33	0.1358	23.87	0.2438
Middle		1	37	21.46	0.1400	24.00	0.2512
Highest		1	37	21.44	0.1393	23.98	0.2500
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	25.79	0.3793
Middle		1	0	23.28	0.2128	25.82	0.3819
Highest		1	0	23.21	0.2094	25.75	0.3758
Lowest	16QAM	1	49	22.39	0.1734	24.93	0.3112
Middle		1	49	22.58	0.1811	25.12	0.3251
Highest		1	49	22.63	0.1832	25.17	0.3289
Lowest	64QAM	1	49	21.37	0.1371	23.91	0.2460
Middle		1	49	21.46	0.1400	24.00	0.2512
Highest		1	49	21.52	0.1419	24.06	0.2547
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.16	0.2070	25.27	0.3365
Middle		1	3	23.23	0.2104	25.34	0.3420
Highest		1	3	23.31	0.2143	25.42	0.3483
Lowest	16QAM	1	0	22.62	0.1828	24.73	0.2972
Middle		1	0	22.59	0.1816	24.70	0.2951
Highest		1	0	22.71	0.1866	24.82	0.3034
Lowest	64QAM	1	3	21.44	0.1393	23.55	0.2265
Middle		1	3	21.45	0.1396	23.56	0.2270
Highest		1	3	21.57	0.1435	23.68	0.2333
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	25.36	0.3436
Middle		1	0	23.29	0.2133	25.40	0.3467
Highest		1	0	23.24	0.2109	25.35	0.3428
Lowest	16QAM	1	8	22.44	0.1754	24.55	0.2851
Middle		1	8	22.58	0.1811	24.69	0.2944
Highest		1	8	22.65	0.1841	24.76	0.2992
Lowest	64QAM	1	0	21.54	0.1426	23.65	0.2317
Middle		1	0	21.49	0.1409	23.60	0.2291
Highest		1	0	21.59	0.1442	23.70	0.2344
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	25.28	0.3373
Middle		1	0	23.25	0.2113	25.36	0.3436
Highest		1	0	23.24	0.2109	25.35	0.3428
Lowest	16QAM	1	0	22.58	0.1811	24.69	0.2944
Middle		1	0	22.60	0.1820	24.71	0.2958
Highest		1	0	22.68	0.1854	24.79	0.3013
Lowest	64QAM	1	0	21.51	0.1416	23.62	0.2301
Middle		1	0	21.46	0.1400	23.57	0.2275
Highest		1	0	21.57	0.1435	23.68	0.2333
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	25.28	0.3373
Middle		1	0	23.32	0.2148	25.43	0.3491
Highest		1	0	23.24	0.2109	25.35	0.3428
Lowest	16QAM	1	0	22.68	0.1854	24.79	0.3013
Middle		1	0	22.60	0.1820	24.71	0.2958
Highest		1	0	22.64	0.1837	24.75	0.2985
Lowest	64QAM	1	0	21.48	0.1406	23.59	0.2286
Middle		1	0	21.50	0.1413	23.61	0.2296
Highest		1	0	21.56	0.1432	23.67	0.2328
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.22	0.2099	25.33	0.3412
Middle		1	0	23.31	0.2143	25.42	0.3483
Highest		1	0	23.24	0.2109	25.35	0.3428
Lowest	16QAM	1	0	22.64	0.1837	24.75	0.2985
Middle		1	0	22.61	0.1824	24.72	0.2965
Highest		1	0	22.64	0.1837	24.75	0.2985
Lowest	64QAM	1	37	21.52	0.1419	23.63	0.2307
Middle		1	37	21.42	0.1387	23.53	0.2254
Highest		1	37	21.57	0.1435	23.68	0.2333
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.26	0.2118	25.37	0.3443
Middle		1	0	23.34	0.2158	25.45	0.3508
Highest		1	0	23.33	0.2153	25.44	0.3499
Lowest	16QAM	1	0	22.68	0.1854	24.79	0.3013
Middle		1	0	22.62	0.1828	24.73	0.2972
Highest		1	0	22.71	0.1866	24.82	0.3034
Lowest	64QAM	1	0	21.54	0.1426	23.65	0.2317
Middle		1	0	21.56	0.1432	23.67	0.2328
Highest		1	0	21.59	0.1442	23.70	0.2344
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	23.09	0.2037	21.50	0.1413
Middle		3	0	23.30	0.2138	21.71	0.1483
Highest		3	0	23.11	0.2046	21.52	0.1419
Lowest	16QAM	1	3	22.63	0.1832	21.04	0.1271
Middle		1	3	22.56	0.1803	20.97	0.1250
Highest		1	3	22.45	0.1758	20.86	0.1219
Lowest	64QAM	3	3	21.54	0.1426	19.95	0.0989
Middle		3	3	21.38	0.1374	19.79	0.0953
Highest		3	3	21.34	0.1361	19.75	0.0944
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.09	0.2037	21.50	0.1413
Middle		1	0	23.27	0.2123	21.68	0.1472
Highest		1	0	23.10	0.2042	21.51	0.1416
Lowest	16QAM	1	14	22.66	0.1845	21.07	0.1279
Middle		1	14	22.40	0.1738	20.81	0.1205
Highest		1	14	22.37	0.1726	20.78	0.1197
Lowest	64QAM	1	14	21.47	0.1403	19.88	0.0973
Middle		1	14	21.31	0.1352	19.72	0.0938
Highest		1	14	21.28	0.1343	19.69	0.0931
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.13	0.2056	21.54	0.1426
Middle		1	0	23.24	0.2109	21.65	0.1462
Highest		1	0	23.10	0.2042	21.51	0.1416
Lowest	16QAM	1	12	22.60	0.1820	21.01	0.1262
Middle		1	12	22.53	0.1791	20.94	0.1242
Highest		1	12	22.49	0.1774	20.90	0.1230
Lowest	64QAM	1	0	21.25	0.1334	19.66	0.0925
Middle		1	0	21.54	0.1426	19.95	0.0989
Highest		1	0	21.29	0.1346	19.70	0.0933
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.14	0.2061	21.55	0.1429
Middle		1	0	23.34	0.2158	21.75	0.1496
Highest		1	0	23.20	0.2089	21.61	0.1449
Lowest	16QAM	1	49	22.66	0.1845	21.07	0.1279
Middle		1	49	22.47	0.1766	20.88	0.1225
Highest		1	49	22.41	0.1742	20.82	0.1208
Lowest	64QAM	1	0	21.32	0.1355	19.73	0.0940
Middle		1	0	21.56	0.1432	19.97	0.0993
Highest		1	0	21.39	0.1377	19.80	0.0955
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	22.30	0.1698
Middle		1	0	23.44	0.2208	22.57	0.1807
Highest		1	0	23.36	0.2168	22.49	0.1774
Lowest	16QAM	1	24	22.91	0.1954	22.04	0.1600
Middle		1	24	22.37	0.1726	21.50	0.1413
Highest		1	24	22.45	0.1758	21.58	0.1439
Lowest	64QAM	1	24	21.79	0.1510	20.92	0.1236
Middle		1	24	21.39	0.1377	20.52	0.1127
Highest		1	24	21.49	0.1409	20.62	0.1153
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	22.38	0.1730
Middle		1	0	23.45	0.2213	22.58	0.1811
Highest		1	0	23.30	0.2138	22.43	0.1750
Lowest	16QAM	1	49	22.81	0.1910	21.94	0.1563
Middle		1	49	22.35	0.1718	21.48	0.1406
Highest		1	49	22.47	0.1766	21.60	0.1445
Lowest	64QAM	1	49	21.76	0.1500	20.89	0.1227
Middle		1	49	21.37	0.1371	20.50	0.1122
Highest		1	49	21.50	0.1413	20.63	0.1156
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.26	0.2118	22.39	0.1734
Middle		1	0	23.41	0.2193	22.54	0.1795
Highest		1	0	23.28	0.2128	22.41	0.1742
Lowest	16QAM	1	74	22.89	0.1945	22.02	0.1592
Middle		1	74	22.39	0.1734	21.52	0.1419
Highest		1	74	22.52	0.1786	21.65	0.1462
Lowest	64QAM	1	74	21.79	0.1510	20.92	0.1236
Middle		1	74	21.42	0.1387	20.55	0.1135
Highest		1	74	21.45	0.1396	20.58	0.1143
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.27	0.2123	22.40	0.1738
Middle		1	0	23.47	0.2223	22.60	0.1820
Highest		1	0	23.36	0.2168	22.49	0.1774
Lowest	16QAM	1	99	22.91	0.1954	22.04	0.1600
Middle		1	99	22.45	0.1758	21.58	0.1439
Highest		1	99	22.55	0.1799	21.68	0.1472
Lowest	64QAM	1	99	21.80	0.1514	20.93	0.1239
Middle		1	99	21.43	0.1390	20.56	0.1138
Highest		1	99	21.50	0.1413	20.63	0.1156
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.82	0.1914	21.24	0.1330
Middle		1	0	23.03	0.2009	21.45	0.1396
Highest		1	0	22.89	0.1945	21.31	0.1352
Lowest	16QAM	1	5	22.42	0.1746	20.84	0.1213
Middle		1	5	22.28	0.1690	20.70	0.1175
Highest		1	5	22.31	0.1702	20.73	0.1183
Lowest	64QAM	1	5	21.32	0.1355	19.74	0.0942
Middle		1	5	21.23	0.1327	19.65	0.0923
Highest		1	5	21.24	0.1330	19.66	0.0925
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.91	0.1954	21.33	0.1358
Middle		1	14	23.01	0.2000	21.43	0.1390
Highest		1	14	23.04	0.2014	21.46	0.1400
Lowest	16QAM	1	14	22.33	0.1710	20.75	0.1189
Middle		1	14	22.26	0.1683	20.68	0.1169
Highest		1	14	22.29	0.1694	20.71	0.1178
Lowest	64QAM	1	8	21.19	0.1315	19.61	0.0914
Middle		1	8	21.28	0.1343	19.70	0.0933
Highest		1	8	21.14	0.1300	19.56	0.0904
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.98	0.1986	21.40	0.1380
Middle		1	24	23.02	0.2004	21.44	0.1393
Highest		1	24	22.96	0.1977	21.38	0.1374
Lowest	16QAM	1	24	22.37	0.1726	20.79	0.1199
Middle		1	24	22.26	0.1683	20.68	0.1169
Highest		1	24	22.33	0.1710	20.75	0.1189
Lowest	64QAM	1	24	21.31	0.1352	19.73	0.0940
Middle		1	24	21.21	0.1321	19.63	0.0918
Highest		1	24	21.26	0.1337	19.68	0.0929
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.91	0.1954	21.33	0.1358
Middle		1	0	23.06	0.2023	21.48	0.1406
Highest		1	0	22.93	0.1963	21.35	0.1365
Lowest	16QAM	1	49	22.43	0.1750	20.85	0.1216
Middle		1	49	22.32	0.1706	20.74	0.1186
Highest		1	49	22.34	0.1714	20.76	0.1191
Lowest	64QAM	1	49	21.38	0.1374	19.80	0.0955
Middle		1	49	21.28	0.1343	19.70	0.0933
Highest		1	49	21.29	0.1346	19.71	0.0935
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 0.69 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.00	0.1995	21.54	0.1426
Middle		1	12	22.90	0.1950	21.44	0.1393
Highest		1	12	22.96	0.1977	21.50	0.1413
Lowest	16QAM	1	12	22.29	0.1694	20.83	0.1211
Middle		1	12	22.32	0.1706	20.86	0.1219
Highest		1	12	22.24	0.1675	20.78	0.1197
Lowest	64QAM	1	12	21.30	0.1349	19.84	0.0964
Middle		1	12	21.24	0.1330	19.78	0.0951
Highest		1	12	21.34	0.1361	19.88	0.0973
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 0.69 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.02	0.2004	21.56	0.1432
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.34	0.1714	20.88	0.1225
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	21.34	0.1361	19.88	0.0973
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.89	0.1945	21.31	0.1352
Middle		1	0	23.01	0.2000	21.43	0.1390
Highest		1	0	22.90	0.1950	21.32	0.1355
Lowest	16QAM	1	24	22.27	0.1687	20.69	0.1172
Middle		1	24	22.22	0.1667	20.64	0.1159
Highest		1	24	22.23	0.1671	20.65	0.1161
Lowest	64QAM	1	12	21.29	0.1346	19.71	0.0935
Middle		1	12	21.17	0.1309	19.59	0.0910
Highest		1	12	21.18	0.1312	19.60	0.0912
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = 0.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.99	0.1991	21.41	0.1384
Middle		1	0	23.04	0.2014	21.46	0.1400
Highest		1	0	22.94	0.1968	21.36	0.1368
Lowest	16QAM	1	25	22.33	0.1710	20.75	0.1189
Middle		1	25	22.32	0.1706	20.74	0.1186
Highest		1	25	22.29	0.1694	20.71	0.1178
Lowest	64QAM	1	25	21.29	0.1346	19.71	0.0935
Middle		1	25	21.26	0.1337	19.68	0.0929
Highest		1	25	21.20	0.1318	19.62	0.0916
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -0.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.51	0.2244	22.59	0.1816
Middle		1	12	23.36	0.2168	22.44	0.1754
Highest		1	12	23.44	0.2208	22.52	0.1786
Lowest	16QAM	1	12	22.56	0.1803	21.64	0.1459
Middle		1	12	22.32	0.1706	21.40	0.1380
Highest		1	12	22.38	0.1730	21.46	0.1400
Lowest	64QAM	1	12	21.49	0.1409	20.57	0.1140
Middle		1	12	21.25	0.1334	20.33	0.1079
Highest		1	12	21.42	0.1387	20.50	0.1122
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -0.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	22.55	0.1799
Middle		1	0	23.28	0.2128	22.36	0.1722
Highest		1	0	23.55	0.2265	22.63	0.1832
Lowest	16QAM	1	0	22.51	0.1782	21.59	0.1442
Middle		1	0	22.34	0.1714	21.42	0.1387
Highest		1	0	22.42	0.1746	21.50	0.1413
Lowest	64QAM	1	49	21.46	0.1400	20.54	0.1132
Middle		1	49	21.36	0.1368	20.44	0.1107
Highest		1	49	21.48	0.1406	20.56	0.1138
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -0.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.52	0.2249	22.60	0.1820
Middle		1	0	23.26	0.2118	22.34	0.1714
Highest		1	0	23.54	0.2259	22.62	0.1828
Lowest	16QAM	1	37	22.57	0.1807	21.65	0.1462
Middle		1	37	22.31	0.1702	21.39	0.1377
Highest		1	37	22.39	0.1734	21.47	0.1403
Lowest	64QAM	1	37	21.53	0.1422	20.61	0.1151
Middle		1	37	21.26	0.1337	20.34	0.1081
Highest		1	37	21.42	0.1387	20.50	0.1122
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -0.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.53	0.2254	22.61	0.1824
Middle		1	0	23.47	0.2223	22.55	0.1799
Highest		1	0	23.56	0.2270	22.64	0.1837
Lowest	16QAM	1	0	22.60	0.1820	21.68	0.1472
Middle		1	0	22.35	0.1718	21.43	0.1390
Highest		1	0	22.46	0.1762	21.54	0.1426
Lowest	64QAM	1	99	21.46	0.1400	20.54	0.1132
Middle		1	99	21.45	0.1396	20.53	0.1130
Highest		1	99	21.55	0.1429	20.63	0.1156
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	23.20	0.2089	21.71	0.1483
Middle		3	0	23.32	0.2148	21.83	0.1524
Highest		3	0	23.17	0.2075	21.68	0.1472
Lowest	16QAM	1	3	22.52	0.1786	21.03	0.1268
Middle		1	3	22.62	0.1828	21.13	0.1297
Highest		1	3	22.44	0.1754	20.95	0.1245
Lowest	64QAM	1	5	21.50	0.1413	20.01	0.1002
Middle		1	5	21.38	0.1374	19.89	0.0975
Highest		1	5	21.32	0.1355	19.83	0.0962
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.17	0.2075	21.68	0.1472
Middle		1	8	23.31	0.2143	21.82	0.1521
Highest		1	8	23.22	0.2099	21.73	0.1489
Lowest	16QAM	1	8	22.51	0.1782	21.02	0.1265
Middle		1	8	22.61	0.1824	21.12	0.1294
Highest		1	8	22.43	0.1750	20.94	0.1242
Lowest	64QAM	1	8	21.38	0.1374	19.89	0.0975
Middle		1	8	21.56	0.1432	20.07	0.1016
Highest		1	8	21.40	0.1380	19.91	0.0979
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.22	0.2099	21.73	0.1489
Middle		1	0	23.30	0.2138	21.81	0.1517
Highest		1	0	23.18	0.2080	21.69	0.1476
Lowest	16QAM	1	12	22.53	0.1791	21.04	0.1271
Middle		1	12	22.58	0.1811	21.09	0.1285
Highest		1	12	22.44	0.1754	20.95	0.1245
Lowest	64QAM	1	12	21.36	0.1368	19.87	0.0971
Middle		1	12	21.52	0.1419	20.03	0.1007
Highest		1	12	21.46	0.1400	19.97	0.0993
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.15	0.2065	21.66	0.1466
Middle		1	0	23.30	0.2138	21.81	0.1517
Highest		1	0	23.14	0.2061	21.65	0.1462
Lowest	16QAM	1	0	22.47	0.1766	20.98	0.1253
Middle		1	0	22.36	0.1722	20.87	0.1222
Highest		1	0	22.54	0.1795	21.05	0.1274
Lowest	64QAM	1	25	21.37	0.1371	19.88	0.0973
Middle		1	25	21.52	0.1419	20.03	0.1007
Highest		1	25	21.36	0.1368	19.87	0.0971
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.25	0.2113	21.76	0.1500
Middle		1	0	23.36	0.2168	21.87	0.1538
Highest		1	0	23.24	0.2109	21.75	0.1496
Lowest	16QAM	1	37	22.53	0.1791	21.04	0.1271
Middle		1	37	22.62	0.1828	21.13	0.1297
Highest		1	37	22.53	0.1791	21.04	0.1271
Lowest	64QAM	1	37	21.45	0.1396	19.96	0.0991
Middle		1	37	21.56	0.1432	20.07	0.1016
Highest		1	37	21.46	0.1400	19.97	0.0993
Limit	ERP < 7W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = -0.59 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.32	0.2148	22.73	0.1875
Middle		1	0	23.44	0.2208	22.85	0.1928
Highest		1	0	23.29	0.2133	22.70	0.1862
Lowest	16QAM	1	0	22.44	0.1754	21.85	0.1531
Middle		1	0	22.28	0.1690	21.69	0.1476
Highest		1	0	22.38	0.1730	21.79	0.1510
Lowest	64QAM	1	24	21.26	0.1337	20.67	0.1167
Middle		1	24	21.31	0.1352	20.72	0.1180
Highest		1	24	21.43	0.1390	20.84	0.1213
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = -0.59 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.39	0.2183	22.80	0.1905
Middle		1	0	23.43	0.2203	22.84	0.1923
Highest		1	0	23.36	0.2168	22.77	0.1892
Lowest	16QAM	1	49	22.33	0.1710	21.74	0.1493
Middle		1	49	22.42	0.1746	21.83	0.1524
Highest		1	49	22.45	0.1758	21.86	0.1535
Lowest	64QAM	1	0	21.31	0.1352	20.72	0.1180
Middle		1	0	21.23	0.1327	20.64	0.1159
Highest		1	0	21.37	0.1371	20.78	0.1197
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = -0.59 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.26	0.2118	22.67	0.1849
Middle		1	74	23.42	0.2198	22.83	0.1919
Highest		1	74	23.35	0.2163	22.76	0.1888
Lowest	16QAM	1	74	22.33	0.1710	21.74	0.1493
Middle		1	74	22.40	0.1738	21.81	0.1517
Highest		1	74	22.44	0.1754	21.85	0.1531
Lowest	64QAM	1	0	21.39	0.1377	20.80	0.1202
Middle		1	0	21.27	0.1340	20.68	0.1169
Highest		1	0	21.37	0.1371	20.78	0.1197
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = -0.59 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.42	0.2198	22.83	0.1919
Middle		1	0	23.48	0.2228	22.89	0.1945
Highest		1	0	23.36	0.2168	22.77	0.1892
Lowest	16QAM	1	99	22.40	0.1738	21.81	0.1517
Middle		1	99	22.45	0.1758	21.86	0.1535
Highest		1	99	22.47	0.1766	21.88	0.1542
Lowest	64QAM	1	99	21.36	0.1368	20.77	0.1194
Middle		1	99	21.39	0.1377	20.80	0.1202
Highest		1	99	21.47	0.1403	20.88	0.1225
Limit	EIRP < 2W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	23.24	0.2109	24.98	0.3148
Middle		3	0	23.34	0.2158	25.08	0.3221
Highest		3	0	23.08	0.2032	24.82	0.3034
Lowest	16QAM	3	0	22.63	0.1832	24.37	0.2735
Middle		3	0	22.53	0.1791	24.27	0.2673
Highest		3	0	22.28	0.1690	24.02	0.2523
Lowest	64QAM	1	0	21.56	0.1432	23.30	0.2138
Middle		1	0	21.47	0.1403	23.21	0.2094
Highest		1	0	21.22	0.1324	22.96	0.1977
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	24.99	0.3155
Middle		1	0	23.30	0.2138	25.04	0.3192
Highest		1	0	23.05	0.2018	24.79	0.3013
Lowest	16QAM	1	0	22.62	0.1828	24.36	0.2729
Middle		1	0	22.57	0.1807	24.31	0.2698
Highest		1	0	22.35	0.1718	24.09	0.2564
Lowest	64QAM	1	0	21.51	0.1416	23.25	0.2113
Middle		1	0	21.46	0.1400	23.20	0.2089
Highest		1	0	21.25	0.1334	22.99	0.1991
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.24	0.2109	24.98	0.3148
Middle		1	0	23.38	0.2178	25.12	0.3251
Highest		1	0	23.08	0.2032	24.82	0.3034
Lowest	16QAM	1	12	22.39	0.1734	24.13	0.2588
Middle		1	12	22.62	0.1828	24.36	0.2729
Highest		1	12	22.44	0.1754	24.18	0.2618
Lowest	64QAM	1	0	21.49	0.1409	23.23	0.2104
Middle		1	0	21.41	0.1384	23.15	0.2065
Highest		1	0	21.23	0.1327	22.97	0.1982
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.23	0.2104	24.97	0.3141
Middle		1	0	23.31	0.2143	25.05	0.3199
Highest		1	0	23.05	0.2018	24.79	0.3013
Lowest	16QAM	1	0	22.63	0.1832	24.37	0.2735
Middle		1	0	22.52	0.1786	24.26	0.2667
Highest		1	0	22.30	0.1698	24.04	0.2535
Lowest	64QAM	1	0	21.50	0.1413	23.24	0.2109
Middle		1	0	21.44	0.1393	23.18	0.2080
Highest		1	0	21.24	0.1330	22.98	0.1986
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.22	0.2099	24.96	0.3133
Middle		1	0	23.34	0.2158	25.08	0.3221
Highest		1	0	23.11	0.2046	24.85	0.3055
Lowest	16QAM	1	0	22.53	0.1791	24.27	0.2673
Middle		1	0	22.60	0.1820	24.34	0.2716
Highest		1	0	22.28	0.1690	24.02	0.2523
Lowest	64QAM	1	0	21.48	0.1406	23.22	0.2099
Middle		1	0	21.41	0.1384	23.15	0.2065
Highest		1	0	21.18	0.1312	22.92	0.1959
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	24.99	0.3155
Middle		1	0	23.40	0.2188	25.14	0.3266
Highest		1	0	23.14	0.2061	24.88	0.3076
Lowest	16QAM	1	0	22.63	0.1832	24.37	0.2735
Middle		1	0	22.60	0.1820	24.34	0.2716
Highest		1	0	22.36	0.1722	24.10	0.2570
Lowest	64QAM	1	0	21.56	0.1432	23.30	0.2138
Middle		1	0	21.50	0.1413	23.24	0.2109
Highest		1	0	21.25	0.1334	22.99	0.1991
Limit	EIRP < 1W			Result		PASS	

**Radiated Spurious Emission****LTE Band 26**

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-44.34	-13	-31.34	-56.22	-46.1	0.98	4.89	H
	2472	-41.02	-13	-28.02	-58.26	-42.9	1.28	5.32	H
	3296	-43.69	-13	-30.69	-62.98	-47.1	1.54	7.10	H
	4128	-46.56	-13	-33.56	-66.79	-51.2	1.83	8.63	H
	4952	-45.16	-13	-32.16	-67.9	-50.3	2.31	9.60	H
	6600	-52.85	-13	-39.85	-79.02	-58.3	2.72	10.32	H
	8248	-50.57	-13	-37.57	-79.64	-58.4	2.32	12.30	H
	1648	-43.54	-13	-30.54	-55.97	-45.3	0.98	4.89	V
	2472	-40.32	-13	-27.32	-57.63	-42.2	1.28	5.32	V
	3296	-39.09	-13	-26.09	-58.71	-42.5	1.54	7.10	V
	4128	-43.86	-13	-30.86	-64.32	-48.5	1.83	8.63	V
	4952	-46.96	-13	-33.96	-69.36	-52.1	2.31	9.60	V
	6600	-52.65	-13	-39.65	-78.67	-58.1	2.72	10.32	V
	8248	-47.97	-13	-34.97	-77.15	-55.8	2.32	12.30	V
Middle	1656	-43.77	-13	-30.77	-55.88	-45.5	0.98	4.86	H
	2488	-39.27	-13	-26.27	-56.49	-41.2	1.29	5.36	H
	3320	-44.89	-13	-31.89	-64.24	-48.4	1.55	7.21	H
	4152	-46.87	-13	-33.87	-67.3	-51.5	1.85	8.63	H
	4976	-45.42	-13	-32.42	-68.49	-50.6	2.32	9.65	H
	6640	-52.29	-13	-39.29	-78.67	-57.8	2.71	10.37	H
	8296	-51.04	-13	-38.04	-79.87	-58.9	2.33	12.34	H
	1656	-44.17	-13	-31.17	-56.96	-45.9	0.98	4.86	V
	2488	-40.27	-13	-27.27	-57.13	-42.2	1.29	5.36	V
	3320	-39.49	-13	-26.49	-58.97	-43	1.55	7.21	V
	4152	-43.17	-13	-30.17	-63.7	-47.8	1.85	8.63	V
	4976	-46.32	-13	-33.32	-69.03	-51.5	2.32	9.65	V
	6640	-52.99	-13	-39.99	-79.12	-58.5	2.71	10.37	V
	8296	-48.34	-13	-35.34	-77.6	-56.2	2.33	12.34	V



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1672	-43.82	-13	-30.82	-56.04	-45.5	0.99	4.82	H
	2504	-40.14	-13	-27.14	-57.42	-42.1	1.29	5.40	H
	3336	-43.52	-13	-30.52	-62.86	-47.1	1.55	7.28	H
	4176	-46.58	-13	-33.58	-67.22	-51.2	1.86	8.64	H
	5008	-47.09	-13	-34.09	-70.12	-52.3	2.34	9.70	H
	6680	-52.53	-13	-39.53	-78.92	-58.1	2.69	10.42	H
	8352	-49.31	-13	-36.31	-78.62	-57.2	2.34	12.38	H
	1672	-43.22	-13	-30.22	-55.7	-44.9	0.99	4.82	V
	2504	-40.44	-13	-27.44	-58.13	-42.4	1.29	5.40	V
	3336	-40.62	-13	-27.62	-60.18	-44.2	1.55	7.28	V
	4176	-44.18	-13	-31.18	-64.72	-48.8	1.86	8.64	V
	5008	-45.89	-13	-32.89	-68.76	-51.1	2.34	9.70	V
	6680	-52.83	-13	-39.83	-79.12	-58.4	2.69	10.42	V
	8352	-48.91	-13	-35.91	-78.18	-56.8	2.34	12.38	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 2**

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-45.83	-13	-32.83	-66.5	-52.4	1.67	8.24	H
	5556	-50.53	-13	-37.53	-75.49	-57.6	2.66	9.72	H
	7404	-50.95	-13	-37.95	-78.08	-60.1	2.46	11.61	H
									H
									H
									H
	3702	-49.73	-13	-36.73	-70.52	-56.3	1.67	8.24	V
	5556	-50.43	-13	-37.43	-75.26	-57.5	2.66	9.72	V
	7404	-51.45	-13	-38.45	-79.16	-60.6	2.46	11.61	V
									V
									V
									V
Middle	3744	-44.41	-13	-31.41	-65.18	-51.02	1.68	8.29	H
	5616	-46.91	-13	-33.91	-72.14	-53.96	2.69	9.75	H
	7482	-47.58	-13	-34.58	-75.32	-56.91	2.44	11.76	H
									H
									H
									H
	3744	-46.74	-13	-33.74	-67.49	-53.35	1.68	8.29	V
	5616	-44.04	-13	-31.04	-69.36	-51.09	2.69	9.75	V
	7482	-50.28	-13	-37.28	-78.11	-59.61	2.44	11.76	V
									V
									V
									V
Highest	3780	-50.16	-13	-37.16	-70.35	-56.8	1.69	8.34	H
	5676	-49.76	-13	-36.76	-74.78	-56.8	2.73	9.77	H
	7566	-51.87	-13	-38.87	-79.05	-61.3	2.41	11.84	H
	9451	-46.36	-13	-33.36	-77.52	-56.3	2.58	12.52	H
									H
									H
									H
	3780	-52.66	-13	-39.66	-73.24	-59.3	1.69	8.34	V
	5676	-51.06	-13	-38.06	-75.93	-58.1	2.73	9.77	V
	7566	-50.37	-13	-37.37	-77.95	-59.8	2.41	11.84	V
	9451	-48.26	-13	-35.26	-79.77	-58.2	2.58	12.52	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 25**

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-49.73	-13	-36.73	-70.39	-56.3	1.67	8.24	H
	5556	-43.43	-13	-30.43	-68.46	-50.5	2.66	9.72	H
	7404	-52.75	-13	-39.75	-80.08	-61.9	2.46	11.61	H
									H
									H
									H
	3702	-43.63	-13	-30.63	-64.29	-50.2	1.67	8.24	V
	5556	-44.73	-13	-31.73	-69.24	-51.8	2.66	9.72	V
	7404	-50.75	-13	-37.75	-78.1	-59.9	2.46	11.61	V
									V
									V
									V
Middle	3744	-47.59	-13	-34.59	-67.99	-54.2	1.68	8.29	H
	5616	-48.05	-13	-35.05	-73.13	-55.1	2.69	9.75	H
	7482	-52.67	-13	-39.67	-79.96	-62	2.44	11.76	H
									H
									H
									H
	3744	-42.99	-13	-29.99	-63.21	-49.6	1.68	8.29	V
	5616	-49.05	-13	-36.05	-73.75	-56.1	2.69	9.75	V
	7482	-48.87	-13	-35.87	-76.66	-58.2	2.44	11.76	V
									V
									V
									V
Highest	3792	-50.25	-13	-37.25	-70.78	-56.9	1.70	8.35	H
	5688	-42.76	-13	-29.76	-67.94	-49.8	2.73	9.78	H
	7584	-52.45	-13	-39.45	-79.97	-61.9	2.40	11.85	H
									H
									H
									H
	3792	-49.95	-13	-36.95	-70.59	-56.6	1.70	8.35	V
	5688	-48.06	-13	-35.06	-72.83	-55.1	2.73	9.78	V
	7584	-50.65	-13	-37.65	-78.34	-60.1	2.40	11.85	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 66**

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-56.42	-13	-43.42	-77.08	-62.49	1.58	7.65	H
	5136	-53.09	-13	-40.09	-77.05	-60.37	2.42	9.70	H
	6840	-53.52	-13	-40.52	-80.5	-61.49	2.64	10.61	H
									H
									H
									H
	3420	-56.46	-13	-43.46	-77.27	-62.53	1.58	7.65	V
	5136	-54.87	-13	-41.87	-78.76	-62.15	2.42	9.70	V
	6840	-53.57	-13	-40.57	-80.5	-61.54	2.64	10.61	V
									V
									V
									V
Middle	3474	-50.96	-13	-37.96	-71.99	-57.25	1.60	7.89	H
	5208	-47.51	-13	-34.51	-71.55	-54.75	2.46	9.70	H
	6942	-53.51	-13	-40.51	-80.69	-61.63	2.61	10.73	H
									H
									H
									H
	3474	-52.56	-13	-39.56	-73.45	-58.85	1.60	7.89	V
	5208	-47.49	-13	-34.49	-71.61	-54.73	2.46	9.70	V
	6942	-53.31	-13	-40.31	-80.51	-61.43	2.61	10.73	V
									V
									V
									V
Highest	3522	-55.61	-13	-42.61	-76.68	-62.03	1.61	8.03	H
	5280	-52.36	-13	-39.36	-76.8	-59.56	2.50	9.70	H
	7038	-53.37	-13	-40.37	-80.74	-61.67	2.58	10.88	H
									H
									H
									H
	3522	-55.16	-13	-42.16	-75.99	-61.58	1.61	8.03	V
	5286	-49.42	-13	-36.42	-73.73	-56.62	2.50	9.70	V
	7038	-53.44	-13	-40.44	-80.71	-61.74	2.58	10.88	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 12**

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-50.24	-13	-37.24	-60.63	-51.90	0.87	4.68	H
	2096	-42.23	-13	-29.23	-57.70	-43.10	1.16	4.19	H
	2800	-39.99	-13	-26.99	-57.54	-42.10	1.38	5.64	H
	3496	-45.97	-13	-32.97	-65.98	-50.20	1.60	7.98	H
	4200	-49.99	-13	-36.99	-70.31	-54.60	1.88	8.64	H
	4896	-53.14	-13	-40.14	-75.81	-58.20	2.28	9.49	H
	1400	-52.14	-13	-39.14	-62.80	-53.80	0.87	4.68	V
	2096	-44.23	-13	-31.23	-59.85	-45.10	1.16	4.19	V
	2800	-41.99	-13	-28.99	-59.90	-44.10	1.38	5.64	V
	3496	-46.57	-13	-33.57	-66.50	-50.80	1.60	7.98	V
	4200	-49.19	-13	-36.19	-69.78	-53.80	1.88	8.64	V
	4896	-51.94	-13	-38.94	-74.54	-57.00	2.28	9.49	V
Middle	1408	-50.69	-13	-37.69	-60.90	-52.40	0.87	4.73	H
	2112	-39.58	-13	-26.58	-55.06	-40.50	1.17	4.24	H
	2816	-39.99	-13	-26.99	-57.46	-42.10	1.39	5.65	H
	3512	-45.34	-13	-32.34	-65.22	-49.60	1.61	8.01	H
	4216	-50.29	-13	-37.29	-70.98	-54.90	1.89	8.64	H
	4920	-54.10	-13	-41.10	-76.66	-59.20	2.29	9.54	H
	1408	-49.09	-13	-36.09	-59.73	-50.80	0.87	4.73	V
	2112	-42.88	-13	-29.88	-58.90	-43.80	1.17	4.24	V
	2816	-41.19	-13	-28.19	-59.11	-43.30	1.39	5.65	V
	3512	-46.24	-13	-33.24	-66.04	-50.50	1.61	8.01	V
	4216	-49.29	-13	-36.29	-69.96	-53.90	1.89	8.64	V
	4920	-52.40	-13	-39.40	-74.97	-57.50	2.29	9.54	V
Highest	1416	-52.35	-13	-39.35	-62.75	-54.10	0.87	4.78	H
	2120	-39.56	-13	-26.56	-55.46	-40.50	1.17	4.26	H
	2824	-40.38	-13	-27.38	-57.46	-42.50	1.39	5.66	H
	3536	-44.72	-13	-31.72	-64.95	-49.00	1.62	8.04	H
	4240	-50.90	-13	-37.90	-71.42	-55.50	1.90	8.65	H
	4944	-54.47	-13	-41.47	-77.38	-59.60	2.30	9.59	H
	1416	-49.95	-13	-36.95	-60.59	-51.70	0.87	4.78	V
	2120	-41.56	-13	-28.56	-57.64	-42.50	1.17	4.26	V
	2824	-41.48	-13	-28.48	-59.61	-43.60	1.39	5.66	V
	3536	-46.52	-13	-33.52	-66.59	-50.80	1.62	8.04	V
	4240	-49.70	-13	-36.70	-70.29	-54.30	1.90	8.65	V
	4944	-52.77	-13	-39.77	-75.21	-57.90	2.30	9.59	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 13**

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1560	-43.03	-42.15	-0.88	-54.50	-45.07	0.94	5.13	H
	2336	-47.59	-13	-34.59	-64.32	-49.11	1.24	4.91	H
	3120	-38.91	-13	-25.91	-57.54	-41.60	1.49	6.33	H
	3896	-44.60	-13	-31.60	-64.85	-49.20	1.73	8.48	H
	4680	-45.33	-13	-32.33	-67.65	-50.09	2.15	9.06	H
	6240	-55.34	-13	-42.34	-81.57	-60.40	2.84	10.04	H
	1560	-43.11	-42.15	-0.96	-55.08	-45.15	0.94	5.13	V
	2336	-45.77	-13	-32.77	-62.91	-47.29	1.24	4.91	V
	3120	-39.40	-13	-26.40	-58.75	-42.09	1.49	6.33	V
	3896	-40.22	-13	-27.22	-60.59	-44.82	1.73	8.48	V
	4680	-45.61	-13	-32.61	-67.91	-50.37	2.15	9.06	V
	6240	-52.18	-13	-39.18	-78.30	-57.24	2.84	10.04	V
Middle	1568	-43.43	-42.15	-1.28	-54.91	-45.45	0.94	5.11	H
	2344	-47.83	-13	-34.83	-64.55	-49.37	1.24	4.93	H
	3128	-39.94	-13	-26.94	-58.57	-42.67	1.49	6.36	H
	3912	46.14	-13	59.14	-64.36	41.53	1.73	8.49	H
	4696	-44.35	-13	-31.35	-66.73	-49.13	2.16	9.09	H
	6256	-54.83	-13	-41.83	-81.05	-59.90	2.83	10.05	H
	1568	-43.53	-42.15	-1.38	-55.51	-45.55	0.94	5.11	V
	2344	-46.08	-13	-33.08	-63.21	-47.62	1.24	4.93	V
	3128	-39.83	-13	-26.83	-59.18	-42.56	1.49	6.36	V
	3912	-40.71	-13	-27.71	-61.06	-45.32	1.73	8.49	V
	4696	-44.54	-13	-31.54	-66.88	-49.32	2.16	9.09	V
	6256	-53.26	-13	-40.26	-79.36	-58.33	2.83	10.05	V
Highest	1568	-43.56	-42.15	-1.41	-55.04	-45.58	0.94	5.11	H
	2352	-47.88	-13	-34.88	-64.70	-49.44	1.24	4.96	H
	3136	-39.60	-13	-26.60	-58.31	-42.36	1.49	6.40	H
	3920	-44.20	-13	-31.20	-64.41	-48.82	1.74	8.50	H
	4704	-44.70	-13	-31.70	-67.13	-49.49	2.17	9.11	H
	5488	-56.26	-13	-43.26	-81.09	-61.19	2.62	9.70	H
	6280	-55.54	-13	-42.54	-81.76	-60.64	2.82	10.07	H
	1568	-43.45	-42.15	-1.30	-55.43	-45.47	0.94	5.11	V
	2352	-45.71	-13	-32.71	-62.94	-47.27	1.24	4.96	V
	3136	-40.56	-13	-27.56	-59.96	-43.32	1.49	6.40	V
	3920	-40.84	-13	-27.84	-61.18	-45.46	1.74	8.50	V
	4704	-44.96	-13	-31.96	-67.34	-49.75	2.17	9.11	V
	5488	-55.00	-13	-42.00	-79.79	-59.93	2.62	9.70	V
	6272	55.74	-13	68.74	-79.82	50.65	2.83	10.06	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-39.89	-13	-26.89	-51.21	-41.96	0.94	5.15	H
	2336	-46.11	-13	-33.11	-62.84	-47.63	1.24	4.91	H
	3112	-39.24	-13	-26.24	-57.78	-41.9	1.48	6.29	H
	3888	-45.82	-13	-32.82	-66.07	-50.41	1.73	8.47	H
	4664	-47.03	-13	-34.03	-69.35	-51.76	2.14	9.03	H
	6224	-55.45	-13	-42.45	-81.68	-60.49	2.84	10.03	H
									H
	1552	-40.13	-13	-27.13	-51.97	-42.2	0.94	5.15	V
	2336	-44.84	-13	-31.84	-61.98	-46.36	1.24	4.91	V
	3112	-39.66	-13	-26.66	-58.96	-42.32	1.48	6.29	V
	3888	-41.14	-13	-28.14	-61.51	-45.73	1.73	8.47	V
	4664	-46.30	-13	-33.30	-68.6	-51.03	2.14	9.03	V
	6224	-53.03	-13	-40.03	-79.16	-58.07	2.84	10.03	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 7**

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-58.64	-25	-33.64	-81.56	-66	2.34	9.70	H
	7500	-54.13	-25	-29.13	-81.55	-63.5	2.43	11.80	H
	10000	-50.70	-25	-25.70	-82.42	-60.2	2.70	12.20	H
									H
									H
									H
	5000	-58.14	-25	-33.14	-81.37	-65.5	2.34	9.70	V
	7500	-53.33	-25	-28.33	-80.89	-62.7	2.43	11.80	V
	10000	-50.80	-25	-25.80	-82.31	-60.3	2.70	12.20	V
									V
									V
									V
Middle	5050	-57.77	-25	-32.77	-81.18	-65.1	2.37	9.70	H
	7578	-46.86	-25	-21.86	-74.17	-56.3	2.40	11.85	H
	10100	-50.06	-25	-25.06	-82.03	-59.6	2.70	12.24	H
									H
									H
									H
	5050	-57.67	-25	-32.67	-80.97	-65	2.37	9.70	V
	7578	-50.96	-25	-25.96	-78.99	-60.4	2.40	11.85	V
	10100	-50.76	-25	-25.76	-82.48	-60.3	2.70	12.24	V
									V
									V
									V
Highest	5100	-57.19	-25	-32.19	-80.81	-64.5	2.39	9.70	H
	7656	-53.59	-25	-28.59	-81.44	-63.1	2.38	11.89	H
	10206	-50.01	-25	-25.01	-82.13	-59.6	2.70	12.28	H
									H
									H
									H
	5100	-56.99	-25	-31.99	-80.45	-64.3	2.39	9.70	V
	7656	-52.99	-25	-27.99	-81.18	-62.5	2.38	11.89	V
	10206	-50.31	-25	-25.31	-82.49	-59.9	2.70	12.28	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 41**

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-55.33	-25	-30.33	-78.71	-62.68	2.33	9.68	H
	7494	-46.38	-25	-21.38	-74.1	-55.74	2.43	11.79	H
	9990	-48.51	-25	-23.51	-80.61	-58.02	2.69	12.21	H
									H
									H
									H
	4992	-56.27	-25	-31.27	-79.54	-63.62	2.33	9.68	V
	7494	-51.91	-25	-26.91	-79.86	-61.27	2.43	11.79	V
	9990	-48.43	-25	-23.43	-80.46	-57.94	2.69	12.21	V
									V
									V
									V
Middle	5166	-57.03	-25	-32.03	-80.88	-64.3	2.43	9.70	H
	7752	-52.70	-25	-27.70	-81.2	-62.3	2.35	11.95	H
	10332	-49.86	-25	-24.86	-82.25	-59.5	2.69	12.33	H
									H
									H
									H
	5166	-56.93	-25	-31.93	-80.76	-64.2	2.43	9.70	V
	7752	-51.80	-25	-26.80	-80.04	-61.4	2.35	11.95	V
	10332	-49.96	-25	-24.96	-82.35	-59.6	2.69	12.33	V
									V
									V
									V
Highest	5340	-54.12	-25	-29.12	-78.73	-61.29	2.53	9.70	H
	8016	-46.18	-25	-21.18	-75.26	-56.02	2.27	12.11	H
	10674	-46.41	-25	-21.41	-80.47	-56.15	2.69	12.43	H
									H
									H
									H
	5340	-52.27	-25	-27.27	-76.76	-59.44	2.53	9.70	V
	8016	-43.72	-25	-18.72	-73.08	-53.56	2.27	12.11	V
	10674	-46.77	-25	-21.77	-80.56	-56.51	2.69	12.43	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.