FCC RADIO TEST REPORT

FCC ID	:	**2AJN7-TP00110BUC**
Equipment	:	**Notebook Computer**
Brand Name	:	**Lenovo**
Model Name	:	**TP00110B**
Applicant	:	**LC Future Center** **7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan**
Manufacturer	:	**LC Future Center Limited Taiwan Branch** **7F., No.780, Bei'an Rd., Zhongshan Dist., Taipei City 104, Taiwan**
Standard	:	**47 CFR Part 2, 22(H), 24(E), 27**

Equipment: Fibocom L860-GL and Intel AX201D2W tested inside of Lenovo Notebook Computer.

The product was received on Oct. 11, 2019 and testing was started from Nov. 04, 2019 and completed on Nov. 20, 2019. 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 variant 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

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History of this test report

Report No.	Version	Description	Issued Date
FG9O1139B	01	Initial issue of report	Nov. 26, 2019
FG9O1139B	02	Revise applicant information	Feb. 25, 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)		
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	Pass	Under limit 4.36 dB at 1560.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
Remark: This is a variant report which can be referred Product Equality Declaration. All the test cases were performed on original report (FCC ID: 2AJN7-TP00110AUC). Based on the original report, the test cases were verified.				

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	TP00110B
FCC ID	2AJN7-TP00110BUC
Sample 1	EUT with Amphenol Antenna
Sample 2	EUT with SPEEDWIRE Antenna
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 and Intel AX201D2W tested inside of Lenovo Notebook Computer.

Antenna Information				
WWAN				**3G&LTE (dBi)**
Antenna 1	**Manufacturer**	Amphenol	**Peak gain**	2.30
	Part number	LX9865-16-000-C	**Type**	PIFA
Antenna 2	**Manufacturer**	SPEEDWIRE	**Peak gain**	2.07
	Part number	F.0G.ZV-0008-001-00	**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 : 23.43 dBm LTE Band 4 : 23.64 dBm LTE Band 5 : 23.56 dBm LTE Band 7 : 23.70 dBm LTE Band 12 : 23.16 dBm LTE Band 13 : 23.32 dBm LTE Band 17 : 23.18 dBm LTE Band 25 : 23.47 dBm LTE Band 26 : 23.59 dBm LTE Band 38 : 23.77 dBm LTE Band 41 : 23.71 dBm LTE Band 66 : 23.58dBm
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
Test Engineer	Jacky Wang
Temperature	23~25℃
Relative Humidity	52~55%

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan
Test Site No.	**Sporton Site No.**
	03CH13-HY
Test Engineer	JC Liang and Wilson Wu
Temperature	21.5~23.5℃
Relative Humidity	46.9~49.5%

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

FCC Designation No.: TW1190 and TW0007

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

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

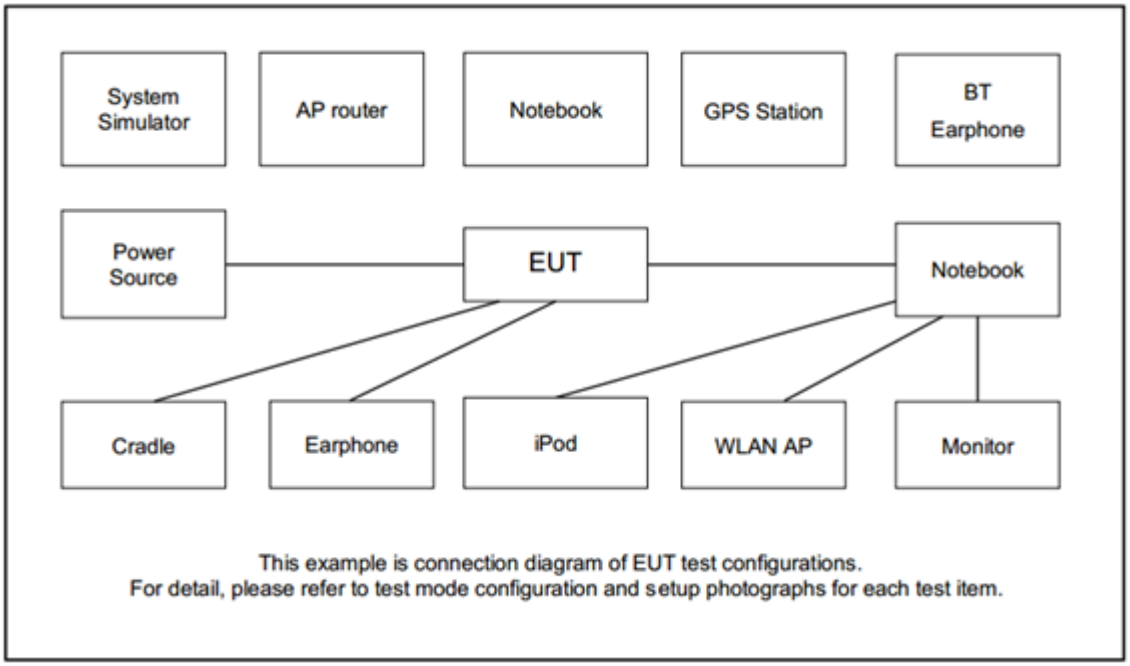
2.1 Test Mode

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.

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	7	Worst Case												v	v	v
	13	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 and Sample 1.															

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.	Earphone	Ziya	N/A	N/A	Unshielded, 1.2 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

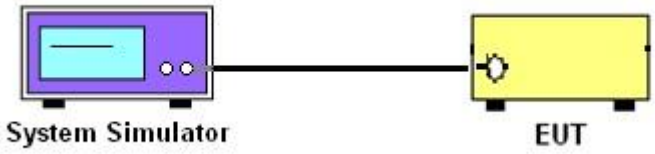
3 Conducted Test Items

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.

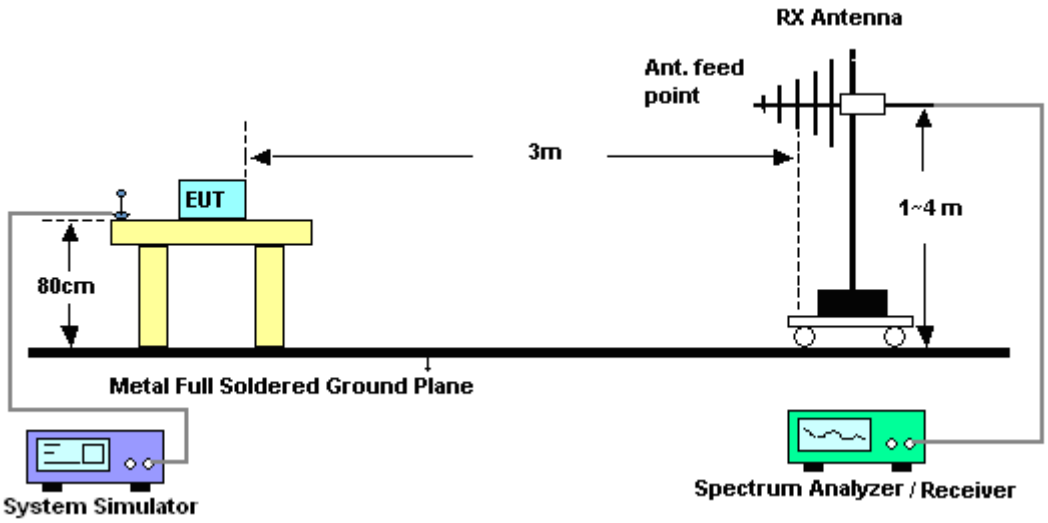
4 Radiated Test Items

4.1 Measuring Instruments

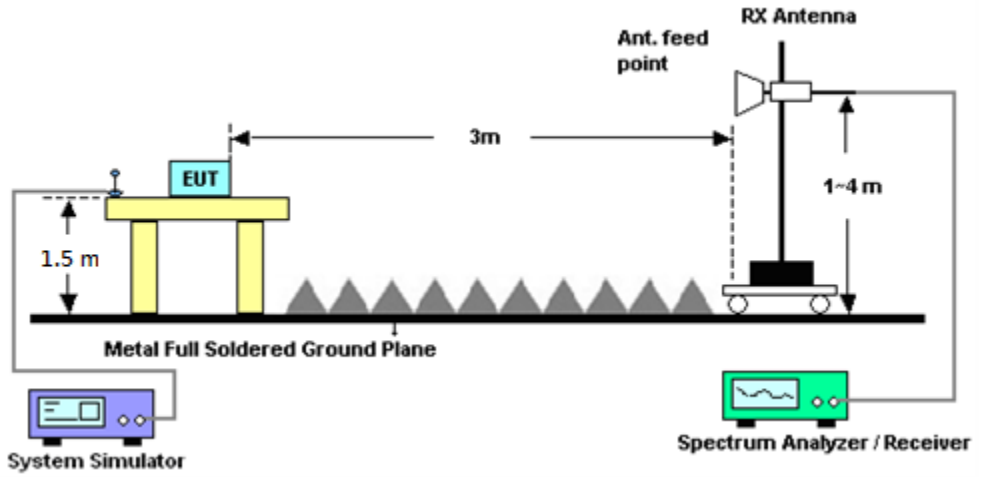
See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

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, 38, 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 + 10log(P)dB below the transmitter power P(Watts)

    For LTE Band 7, 38, 41

    The limit line is derived from 55 + 10log(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	40103 & 07	30MHz~1GHz	Apr. 30, 2019	Nov. 04, 2019~ Nov. 20, 2019	Apr. 29, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N1D01N-06	54682 & AT-N0603	30MHz~1GHz	Sep. 26, 2019	Nov. 04, 2019~ Nov. 20, 2019	Sep. 25, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz~18GHz	Jul. 02, 2019	Nov. 04, 2019~ Nov. 20, 2019	Jul. 01, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 14, 2019	Nov. 04, 2019~ Nov. 20, 2019	May 13, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2019	Nov. 04, 2019~ Nov. 20, 2019	May 13, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 05, 2018	Nov. 04, 2019~ Nov. 20, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 18, 2018	Nov. 04, 2019~ Nov. 20, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Nov. 04, 2019~ Nov. 20, 2019	May 19, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Nov. 04, 2019~ Nov. 20, 2019	Dec. 05, 2019	Radiation (03CH13-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 27, 2019	Nov. 04, 2019~ Nov. 20, 2019	May 26, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	Nov. 04, 2019~ Nov. 20, 2019	Mar. 18, 2020	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 04, 2019~ Nov. 20, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 04, 2019~ Nov. 20, 2019	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Nov. 04, 2019~ Nov. 20, 2019	N/A	Radiation (03CH13-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Aug. 27, 2019	Nov. 04, 2019~ Nov. 20, 2019	Aug. 26, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SF102/2*11SK252	MY4278/2	9kHz~40GHz	May 16, 2019	Nov. 04, 2019~ Nov. 20, 2019	May 15, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 13, 2019	Nov. 04, 2019~ Nov. 20, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 13, 2019	Nov. 04, 2019~ Nov. 20, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 14, 2019	Nov. 04, 2019~ Nov. 20, 2019	Jul. 13, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60SS	SN3	1.2GHz High Pass Filter	Jul. 03, 2019	Nov. 04, 2019~ Nov. 20, 2019	Jul. 02, 2020	Radiation (03CH13-HY)
LTE Base Station	Anritsu	MT8820C	6201107509	-	Jul. 03, 2019	Nov. 04, 2019	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 = 2Uc(y))	**3.07**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.48**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.92**

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	23.39	**23.43**	23.31
20	1	49		23.25	23.39	23.22
20	1	99		23.42	23.27	23.18
20	50	0		22.32	22.40	22.30
20	50	24		22.25	22.36	22.27
20	50	50		22.33	22.32	22.22
20	100	0		22.33	22.39	22.35
20	1	0	16-QAM	22.74	22.64	22.58
20	1	49		22.53	22.63	22.55
20	1	99		22.74	22.59	22.53
20	50	0		21.36	21.38	21.32
20	50	24		21.27	21.36	21.29
20	50	50		21.34	21.34	21.27
20	100	0		21.31	21.39	21.33
20	1	0	64-QAM	21.62	21.56	21.62
20	1	49		21.51	21.58	21.48
20	1	99		21.56	21.53	21.47
20	50	0		20.37	20.45	20.36
20	50	24		20.29	20.45	20.30
20	50	50		20.38	20.36	20.29
20	100	0		20.33	20.40	20.35
15	1	0	QPSK	23.36	23.26	23.19
15	1	37		23.19	23.23	23.13
15	1	74		23.38	23.13	23.10
15	36	0		22.27	22.29	22.18
15	36	20		22.12	22.18	22.08
15	36	39		22.13	22.22	22.19
15	75	0		22.21	22.23	22.33
15	1	0	16-QAM	22.56	22.59	22.40
15	1	37		22.52	22.45	22.39
15	1	74		22.74	22.50	22.50
15	36	0		21.28	21.31	21.25
15	36	20		21.09	21.18	21.26
15	36	39		21.21	21.16	21.18
15	75	0		21.29	21.34	21.22
15	1	0	64-QAM	21.45	21.42	21.55
15	1	37		21.44	21.40	21.28
15	1	74		21.54	21.46	21.29
15	36	0		20.23	20.37	20.18
15	36	20		20.17	20.37	20.14
15	36	39		20.33	20.31	20.11
15	75	0		20.32	20.31	20.35

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.19	23.34	23.15
10	1	25		23.14	23.26	23.03
10	1	49		23.38	23.18	23.07
10	25	0		22.28	22.21	22.19
10	25	12		22.24	22.36	22.14
10	25	25		22.29	22.15	22.15
10	50	0		22.27	22.32	22.29
10	1	0	16-QAM	22.68	22.47	22.43
10	1	25		22.37	22.47	22.37
10	1	49		22.65	22.56	22.46
10	25	0		21.25	21.28	21.18
10	25	12		21.13	21.31	21.26
10	25	25		21.23	21.27	21.10
10	50	0		21.14	21.24	21.21
10	1	0	64-QAM	21.45	21.38	21.43
10	1	25		21.48	21.49	21.42
10	1	49		21.40	21.34	21.38
10	25	0		20.17	20.25	20.18
10	25	12		20.13	20.32	20.26
10	25	25		20.18	20.35	20.28
10	50	0		20.13	20.36	20.21
5	1	0	QPSK	23.30	23.36	23.17
5	1	12		23.12	23.32	23.06
5	1	24		23.39	23.19	23.04
5	12	0		22.30	22.33	22.15
5	12	7		22.22	22.23	22.24
5	12	13		22.22	22.28	22.21
5	25	0		22.26	22.31	22.32
5	1	0	16-QAM	22.58	22.63	22.43
5	1	12		22.40	22.48	22.53
5	1	24		22.71	22.53	22.43
5	12	0		21.18	21.18	21.20
5	12	7		21.26	21.24	21.23
5	12	13		21.18	21.14	21.13
5	25	0		21.30	21.35	21.24
5	1	0	64-QAM	21.59	21.48	21.54
5	1	12		21.45	21.45	21.34
5	1	24		21.38	21.51	21.39
5	12	0		20.27	20.41	20.29
5	12	7		20.15	20.27	20.26
5	12	13		20.23	20.26	20.26
5	25	0		20.21	20.32	20.19

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.37	23.36	23.31
3	1	8		23.21	23.39	23.17
3	1	14		23.29	23.27	22.99
3	8	0		22.32	22.24	22.12
3	8	4		22.23	22.26	22.26
3	8	7		22.28	22.12	22.14
3	15	0		22.16	22.39	22.17
3	1	0	16-QAM	22.60	22.47	22.50
3	1	8		22.36	22.49	22.49
3	1	14		22.54	22.53	22.44
3	8	0		21.25	21.33	21.19
3	8	4		21.21	21.31	21.13
3	8	7		21.20	21.18	21.16
3	15	0		21.24	21.32	21.15
3	1	0	64-QAM	21.44	21.56	21.42
3	1	8		21.42	21.38	21.48
3	1	14		21.48	21.51	21.34
3	8	0		20.17	20.43	20.30
3	8	4		20.10	20.36	20.18
3	8	7		20.26	20.28	20.25
3	15	0		20.18	20.21	20.22
1.4	1	0	QPSK	23.24	23.24	23.23
1.4	1	3		23.18	23.35	23.21
1.4	1	5		23.25	23.26	23.15
1.4	3	0		22.27	22.22	22.23
1.4	3	1		22.10	22.26	22.19
1.4	3	3		22.24	22.22	22.21
1.4	6	0		22.20	22.38	22.24
1.4	1	0	16-QAM	22.70	22.47	22.46
1.4	1	3		22.39	22.53	22.42
1.4	1	5		22.60	22.43	22.48
1.4	3	0		21.35	21.36	21.23
1.4	3	1		21.09	21.30	21.29
1.4	3	3		21.32	21.31	21.20
1.4	6	0		21.23	21.27	21.13
1.4	1	0	64-QAM	21.62	21.55	21.58
1.4	1	3		21.51	21.55	21.30
1.4	1	5		21.49	21.51	21.29
1.4	3	0		20.31	20.32	20.32
1.4	3	1		20.28	20.38	20.12
1.4	3	3		20.23	20.25	20.13
1.4	6	0		20.16	20.34	20.29

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.47**	23.46	23.44
20	1	49		23.21	23.34	23.21
20	1	99		23.43	23.19	23.41
20	50	0		22.51	22.47	22.36
20	50	24		22.26	22.38	22.24
20	50	50		22.29	22.27	22.30
20	100	0		22.33	22.32	22.29
20	1	0	16-QAM	22.72	22.90	22.58
20	1	49		22.59	22.54	22.58
20	1	99		22.65	22.49	22.59
20	50	0		21.44	21.48	21.40
20	50	24		21.30	21.43	21.29
20	50	50		21.32	21.31	21.33
20	100	0		21.30	21.36	21.33
20	1	0	64-QAM	21.71	21.66	21.60
20	1	49		21.46	21.52	21.50
20	1	99		21.72	21.43	21.56
20	50	0		20.46	20.52	20.40
20	50	24		20.33	20.44	20.31
20	50	50		20.35	20.33	20.35
20	100	0		20.33	20.36	20.31
15	1	0	QPSK	23.43	23.40	23.25
15	1	37		23.18	23.23	23.14
15	1	74		23.31	23.05	23.21
15	36	0		22.39	22.30	22.35
15	36	20		22.19	22.24	22.07
15	36	39		22.17	22.11	22.18
15	75	0		22.16	22.16	22.09
15	1	0	16-QAM	22.69	22.88	22.48
15	1	37		22.46	22.48	22.53
15	1	74		22.61	22.44	22.40
15	36	0		21.26	21.39	21.22
15	36	20		21.18	21.32	21.12
15	36	39		21.30	21.19	21.26
15	75	0		21.27	21.36	21.32
15	1	0	64-QAM	21.71	21.61	21.51
15	1	37		21.44	21.35	21.42
15	1	74		21.55	21.29	21.43
15	36	0		20.35	20.38	20.21
15	36	20		20.19	20.30	20.31
15	36	39		20.24	20.19	20.28
15	75	0		20.31	20.28	20.16

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.40	23.39	23.33
10	1	25		23.20	23.15	23.19
10	1	49		23.34	23.02	23.23
10	25	0		22.41	22.47	22.23
10	25	12		22.10	22.26	22.09
10	25	25		22.28	22.18	22.22
10	50	0		22.15	22.29	22.28
10	1	0	16-QAM	22.59	22.72	22.55
10	1	25		22.44	22.43	22.48
10	1	49		22.45	22.49	22.40
10	25	0		21.43	21.29	21.35
10	25	12		21.12	21.39	21.27
10	25	25		21.28	21.21	21.22
10	50	0		21.28	21.32	21.22
10	1	0	64-QAM	21.68	21.66	21.53
10	1	25		21.39	21.38	21.33
10	1	49		21.58	21.28	21.49
10	25	0		20.29	20.50	20.37
10	25	12		20.29	20.35	20.18
10	25	25		20.25	20.25	20.24
10	50	0		20.27	20.35	20.24
5	1	0	QPSK	23.36	23.43	23.26
5	1	12		23.15	23.15	23.19
5	1	24		23.34	23.19	23.38
5	12	0		22.28	22.45	22.25
5	12	7		22.23	22.29	22.21
5	12	13		22.27	22.11	22.19
5	25	0		22.08	22.24	22.16
5	1	0	16-QAM	22.65	22.88	22.45
5	1	12		22.43	22.51	22.48
5	1	24		22.60	22.48	22.53
5	12	0		21.39	21.37	21.20
5	12	7		21.11	21.41	21.16
5	12	13		21.24	21.19	21.29
5	25	0		21.18	21.28	21.20
5	1	0	64-QAM	21.68	21.48	21.48
5	1	12		21.39	21.46	21.30
5	1	24		21.57	21.28	21.38
5	12	0		20.31	20.32	20.36
5	12	7		20.15	20.27	20.24
5	12	13		20.30	20.15	20.22
5	25	0		20.20	20.28	20.13

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.29	23.45	23.31
3	1	8		23.08	23.29	23.09
3	1	14		23.37	23.07	23.24
3	8	0		22.35	22.27	22.35
3	8	4		22.13	22.30	22.04
3	8	7		22.23	22.23	22.12
3	15	0		22.15	22.25	22.28
3	1	0	16-QAM	22.55	22.71	22.44
3	1	8		22.42	22.47	22.49
3	1	14		22.61	22.37	22.48
3	8	0		21.38	21.46	21.22
3	8	4		21.16	21.38	21.26
3	8	7		21.13	21.11	21.31
3	15	0		21.24	21.20	21.33
3	1	0	64-QAM	21.70	21.50	21.52
3	1	8		21.32	21.46	21.49
3	1	14		21.54	21.39	21.56
3	8	0		20.43	20.45	20.24
3	8	4		20.29	20.41	20.30
3	8	7		20.25	20.13	20.22
3	15	0		20.27	20.20	20.28
1.4	1	0	QPSK	23.42	23.29	23.23
1.4	1	3		23.10	23.25	23.01
1.4	1	5		23.40	23.09	23.30
1.4	3	0		23.27	23.28	23.19
1.4	3	1		23.06	23.22	23.14
1.4	3	3		23.27	23.02	23.37
1.4	6	0		22.13	22.15	22.11
1.4	1	0	16-QAM	22.54	22.59	22.48
1.4	1	3		22.44	22.36	22.41
1.4	1	5		22.46	22.33	22.40
1.4	3	0		22.52	22.84	22.52
1.4	3	1		22.50	22.52	22.58
1.4	3	3		22.49	22.48	22.50
1.4	6	0		21.29	21.31	21.27
1.4	1	0	64-QAM	21.63	21.47	21.49
1.4	1	3		21.43	21.32	21.43
1.4	1	5		21.65	21.26	21.49
1.4	3	0		21.59	21.47	21.41
1.4	3	1		21.27	21.45	21.32
1.4	3	3		21.63	21.35	21.44
1.4	6	0		20.17	20.32	20.19

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.47	**23.64**	23.59
20	1	49		23.44	23.60	23.38
20	1	99		23.45	23.48	23.43
20	50	0		22.51	22.54	22.42
20	50	24		22.39	22.45	22.33
20	50	50		22.48	22.46	22.34
20	100	0		22.45	22.61	22.37
20	1	0	16-QAM	22.84	22.84	22.92
20	1	49		22.85	22.86	22.78
20	1	99		22.83	22.73	22.70
20	50	0		21.44	21.54	21.49
20	50	24		21.43	21.60	21.41
20	50	50		21.52	21.49	21.40
20	100	0		21.46	21.65	21.41
20	1	0	64-QAM	21.85	21.69	21.78
20	1	49		21.70	21.83	21.67
20	1	99		21.80	21.70	21.69
20	50	0		20.42	20.57	20.50
20	50	24		20.44	20.63	20.41
20	50	50		20.55	20.53	20.38
20	100	0		20.48	20.66	20.40
15	1	0	QPSK	23.43	23.42	23.44
15	1	37		23.33	23.53	23.27
15	1	74		23.55	23.32	23.37
15	36	0		22.26	22.46	22.34
15	36	20		22.38	22.49	22.19
15	36	39		22.46	22.33	22.21
15	75	0		22.40	22.56	22.33
15	1	0	16-QAM	22.68	22.77	22.76
15	1	37		22.74	22.83	22.72
15	1	74		22.76	22.68	22.65
15	36	0		21.37	21.34	21.48
15	36	20		21.34	21.59	21.27
15	36	39		21.39	21.47	21.28
15	75	0		21.46	21.61	21.37
15	1	0	64-QAM	21.84	21.58	21.63
15	1	37		21.60	21.80	21.61
15	1	74		21.60	21.61	21.56
15	36	0		20.40	20.42	20.49
15	36	20		20.33	20.62	20.29
15	36	39		20.50	20.47	20.18
15	75	0		20.44	20.58	20.32

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.44	23.54	23.43
10	1	25		23.35	23.41	23.20
10	1	49		23.48	23.39	23.34
10	25	0		22.23	22.46	22.25
10	25	12		22.39	22.53	22.23
10	25	25		22.42	22.36	22.26
10	50	0		22.39	22.46	22.29
10	1	0	16-QAM	22.69	22.82	22.72
10	1	25		22.75	22.86	22.74
10	1	49		22.78	22.67	22.53
10	25	0		21.34	21.48	21.29
10	25	12		21.40	21.40	21.30
10	25	25		21.33	21.34	21.31
10	50	0		21.41	21.48	21.24
10	1	0	64-QAM	21.65	21.49	21.77
10	1	25		21.52	21.65	21.53
10	1	49		21.77	21.70	21.53
10	25	0		20.28	20.37	20.45
10	25	12		20.44	20.43	20.29
10	25	25		20.48	20.41	20.21
10	50	0		20.39	20.65	20.35
5	1	0	QPSK	23.47	23.52	23.53
5	1	12		23.36	23.43	23.38
5	1	24		23.49	23.39	23.39
5	12	0		22.41	22.30	22.34
5	12	7		22.21	22.36	22.17
5	12	13		22.34	22.37	22.31
5	25	0		22.40	22.49	22.23
5	1	0	16-QAM	22.65	22.75	22.81
5	1	12		22.81	22.74	22.73
5	1	24		22.69	22.69	22.67
5	12	0		21.35	21.46	21.29
5	12	7		21.43	21.48	21.39
5	12	13		21.34	21.38	21.29
5	25	0		21.34	21.53	21.33
5	1	0	64-QAM	21.81	21.61	21.67
5	1	12		21.65	21.81	21.53
5	1	24		21.77	21.67	21.49
5	12	0		20.38	20.48	20.32
5	12	7		20.26	20.61	20.25
5	12	13		20.45	20.35	20.23
5	25	0		20.37	20.46	20.33

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.27	23.47	23.56
3	1	8		23.43	23.41	23.24
3	1	14		23.43	23.36	23.41
3	8	0		22.29	22.49	22.41
3	8	4		22.20	22.50	22.20
3	8	7		22.40	22.44	22.28
3	15	0		22.31	22.53	22.26
3	1	0	16-QAM	22.67	22.71	22.88
3	1	8		22.85	22.76	22.71
3	1	14		22.73	22.70	22.59
3	8	0		21.44	21.44	21.48
3	8	4		21.30	21.48	21.41
3	8	7		21.38	21.44	21.22
3	15	0		21.31	21.49	21.41
3	1	0	64-QAM	21.85	21.67	21.65
3	1	8		21.53	21.69	21.47
3	1	14		21.75	21.61	21.68
3	8	0		20.37	20.51	20.42
3	8	4		20.32	20.56	20.27
3	8	7		20.36	20.45	20.18
3	15	0		20.42	20.49	20.39
1.4	1	0	QPSK	23.40	23.38	23.40
1.4	1	3		23.26	23.48	23.26
1.4	1	5		23.36	23.39	23.40
1.4	3	0		22.32	22.35	22.40
1.4	3	1		22.33	22.47	22.21
1.4	3	3		22.47	22.32	22.33
1.4	6	0		22.27	22.51	22.21
1.4	1	0	16-QAM	22.75	22.65	22.76
1.4	1	3		22.79	22.74	22.59
1.4	1	5		22.79	22.58	22.63
1.4	3	0		21.39	21.44	21.35
1.4	3	1		21.40	21.60	21.33
1.4	3	3		21.46	21.41	21.21
1.4	6	0		21.45	21.50	21.37
1.4	1	0	64-QAM	21.81	21.61	21.72
1.4	1	3		21.56	21.79	21.60
1.4	1	5		21.75	21.62	21.67
1.4	3	0		20.29	20.43	20.34
1.4	3	1		20.44	20.48	20.38
1.4	3	3		20.40	20.40	20.27
1.4	6	0		20.44	20.50	20.32

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.54	**23.56**	23.50
10	1	25		23.53	23.55	23.54
10	1	49		23.51	23.39	23.52
10	25	0		22.54	22.52	22.49
10	25	12		22.50	22.49	22.42
10	25	25		22.49	22.47	22.41
10	50	0		22.52	22.54	22.52
10	1	0	16-QAM	22.86	22.92	22.82
10	1	25		22.89	22.91	22.85
10	1	49		22.87	22.75	22.73
10	25	0		21.62	21.64	21.57
10	25	12		21.62	21.60	21.59
10	25	25		21.61	21.56	21.61
10	50	0		21.55	21.51	21.55
10	1	0	64-QAM	21.79	21.82	21.67
10	1	25		21.89	21.72	21.77
10	1	49		21.84	21.64	21.68
10	25	0		20.64	20.59	20.54
10	25	12		20.62	20.57	20.63
10	25	25		20.61	20.54	20.64
10	50	0		20.56	20.50	20.56
5	1	0	QPSK	23.48	23.47	23.35
5	1	12		23.53	23.55	23.34
5	1	24		23.35	23.37	23.51
5	12	0		22.52	22.51	22.49
5	12	7		22.33	22.29	22.51
5	12	13		22.30	22.32	22.39
5	25	0		22.35	22.37	22.50
5	1	0	16-QAM	22.67	22.87	22.63
5	1	12		22.87	22.71	22.81
5	1	24		22.69	22.74	22.67
5	12	0		21.54	21.47	21.54
5	12	7		21.55	21.53	21.46
5	12	13		21.49	21.56	21.58
5	25	0		21.55	21.38	21.44
5	1	0	64-QAM	21.65	21.75	21.54
5	1	12		21.72	21.56	21.60
5	1	24		21.68	21.61	21.49
5	12	0		20.61	20.58	20.54
5	12	7		20.43	20.53	20.57
5	12	13		20.53	20.39	20.47
5	25	0		20.44	20.31	20.36

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.42	23.54	23.50
3	1	8		23.53	23.51	23.42
3	1	14		23.48	23.36	23.47
3	8	0		22.43	22.34	22.45
3	8	4		22.42	22.30	22.52
3	8	7		22.35	22.35	22.43
3	15	0		22.48	22.30	22.49
3	1	0	16-QAM	22.74	22.73	22.65
3	1	8		22.83	22.88	22.81
3	1	14		22.68	22.65	22.62
3	8	0		21.50	21.58	21.53
3	8	4		21.48	21.59	21.55
3	8	7		21.50	21.37	21.51
3	15	0		21.37	21.43	21.39
3	1	0	64-QAM	21.72	21.73	21.63
3	1	8		21.82	21.55	21.57
3	1	14		21.79	21.52	21.54
3	8	0		20.63	20.49	20.51
3	8	4		20.50	20.38	20.59
3	8	7		20.56	20.54	20.58
3	15	0		20.49	20.34	20.48
1.4	1	0	QPSK	23.46	**23.56**	23.39
1.4	1	3		23.52	23.42	23.38
1.4	1	5		23.42	23.27	23.40
1.4	3	0		23.40	23.44	23.37
1.4	3	1		23.40	23.37	23.37
1.4	3	3		23.42	23.36	23.40
1.4	6	0		22.45	22.39	22.33
1.4	1	0	16-QAM	22.70	22.84	22.77
1.4	1	3		22.69	22.87	22.76
1.4	1	5		22.77	22.69	22.58
1.4	3	0		22.78	22.83	22.81
1.4	3	1		22.84	22.76	22.85
1.4	3	3		22.81	22.65	22.67
1.4	6	0		21.50	21.51	21.41
1.4	1	0	64-QAM	21.76	21.78	21.65
1.4	1	3		21.82	21.59	21.74
1.4	1	5		21.82	21.50	21.54
1.4	3	0		21.70	21.75	21.52
1.4	3	1		21.87	21.66	21.68
1.4	3	3		21.82	21.44	21.56
1.4	6	0		20.52	20.39	20.56

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.70**	23.63	23.68
20	1	49		23.60	23.41	23.63
20	1	99		23.68	23.58	23.48
20	50	0		22.69	22.55	22.65
20	50	24		22.66	22.42	22.63
20	50	50		22.67	22.53	22.52
20	100	0		22.69	22.43	22.64
20	1	0	16-QAM	22.86	22.88	22.99
20	1	49		23.00	22.75	23.00
20	1	99		23.00	22.98	22.91
20	50	0		21.69	21.58	21.79
20	50	24		21.75	21.46	21.71
20	50	50		21.77	21.60	21.60
20	100	0		21.78	21.48	21.74
20	1	0	64-QAM	21.84	21.94	22.00
20	1	49		21.98	21.72	21.96
20	1	99		22.00	22.00	21.78
20	50	0		20.68	20.56	20.81
20	50	24		20.71	20.46	20.69
20	50	50		20.72	20.57	20.57
20	100	0		20.72	20.48	20.69
15	1	0	QPSK	23.48	23.60	23.61
15	1	37		23.66	23.38	23.44
15	1	74		23.56	23.63	23.36
15	36	0		22.63	22.49	22.54
15	36	20		22.55	22.35	22.56
15	36	39		22.60	22.48	22.38
15	75	0		22.57	22.36	22.55
15	1	0	16-QAM	22.86	22.70	22.94
15	1	37		22.89	22.58	22.89
15	1	74		22.82	22.83	22.86
15	36	0		21.58	21.53	21.67
15	36	20		21.75	21.45	21.71
15	36	39		21.71	21.42	21.42
15	75	0		21.62	21.36	21.60
15	1	0	64-QAM	21.73	21.86	21.92
15	1	37		21.82	21.64	21.76
15	1	74		21.86	21.87	21.59
15	36	0		20.63	20.47	20.66
15	36	20		20.55	20.35	20.55
15	36	39		20.66	20.52	20.48
15	75	0		20.53	20.31	20.62

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.50	23.43	23.59
10	1	25		23.58	23.23	23.61
10	1	49		23.57	23.63	23.44
10	25	0		22.61	22.40	22.73
10	25	12		22.56	22.25	22.51
10	25	25		22.47	22.39	22.48
10	50	0		22.64	22.38	22.62
10	1	0	16-QAM	22.81	22.77	22.88
10	1	25		22.93	22.60	22.82
10	1	49		22.82	22.92	22.74
10	25	0		21.68	21.50	21.72
10	25	12		21.63	21.26	21.54
10	25	25		21.65	21.58	21.48
10	50	0		21.73	21.46	21.58
10	1	0	64-QAM	21.74	21.86	21.80
10	1	25		21.92	21.55	21.86
10	1	49		21.92	21.85	21.77
10	25	0		20.60	20.38	20.70
10	25	12		20.59	20.31	20.68
10	25	25		20.57	20.45	20.44
10	50	0		20.64	20.42	20.59
5	1	0	QPSK	23.31	23.57	23.49
5	1	12		23.61	23.21	23.62
5	1	24		23.64	23.58	23.40
5	12	0		22.46	22.49	22.72
5	12	7		22.49	22.23	22.47
5	12	13		22.64	22.49	22.45
5	25	0		22.55	22.41	22.47
5	1	0	16-QAM	22.70	22.76	22.81
5	1	12		22.86	22.57	22.80
5	1	24		23.00	22.92	22.78
5	12	0		21.52	21.46	21.60
5	12	7		21.72	21.41	21.51
5	12	13		21.66	21.49	21.41
5	25	0		21.66	21.29	21.58
5	1	0	64-QAM	21.73	21.91	21.81
5	1	12		21.83	21.68	21.82
5	1	24		21.98	21.93	21.78
5	12	0		20.49	20.46	20.77
5	12	7		20.70	20.37	20.60
5	12	13		20.62	20.50	20.44
5	25	0		20.66	20.32	20.58

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.09	**23.16**	23.10
10	1	25		23.08	23.14	23.09
10	1	49		22.99	23.04	23.09
10	25	0		22.05	22.13	22.10
10	25	12		22.00	22.08	22.03
10	25	25		22.04	22.00	22.07
10	50	0		22.02	22.11	22.08
10	1	0	16-QAM	22.17	22.23	22.40
10	1	25		22.36	22.39	22.36
10	1	49		22.53	22.31	22.43
10	25	0		21.10	21.01	21.23
10	25	12		21.10	21.19	21.16
10	25	25		21.13	21.14	21.24
10	50	0		21.09	21.13	21.14
10	1	0	64-QAM	21.17	21.28	21.38
10	1	25		21.21	21.46	21.32
10	1	49		21.43	21.33	21.42
10	25	0		20.14	20.00	20.22
10	25	12		20.11	20.21	20.15
10	25	25		20.11	20.14	20.24
10	50	0		20.06	20.14	20.14
5	1	0	QPSK	22.95	22.88	22.91
5	1	12		23.01	22.94	23.00
5	1	24		23.05	22.90	23.07
5	12	0		21.85	21.74	22.10
5	12	7		21.92	22.07	21.88
5	12	13		21.91	21.98	22.00
5	25	0		21.95	22.04	22.00
5	1	0	16-QAM	22.09	22.21	22.36
5	1	12		22.26	22.25	22.19
5	1	24		22.52	22.11	22.28
5	12	0		20.98	20.81	21.23
5	12	7		20.93	21.07	21.16
5	12	13		20.97	20.99	21.15
5	25	0		20.96	21.13	21.00
5	1	0	64-QAM	21.13	21.20	21.37
5	1	12		21.10	21.42	21.19
5	1	24		21.24	21.22	21.36
5	12	0		20.00	19.83	20.09
5	12	7		20.09	20.12	20.13
5	12	13		19.97	20.06	20.17
5	25	0		20.00	20.11	20.12

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.79	23.01	23.06
3	1	8		22.91	23.02	23.09
3	1	14		23.01	23.01	23.12
3	8	0		21.94	21.87	22.09
3	8	4		21.95	21.92	22.00
3	8	7		21.93	21.86	22.05
3	15	0		21.94	22.02	21.99
3	1	0	16-QAM	21.98	22.18	22.21
3	1	8		22.23	22.36	22.33
3	1	14		22.43	22.12	22.33
3	8	0		20.93	20.94	21.19
3	8	4		20.98	21.07	20.97
3	8	7		21.04	21.13	21.19
3	15	0		20.97	21.11	21.04
3	1	0	64-QAM	20.99	21.11	21.38
3	1	8		21.06	21.32	21.20
3	1	14		21.39	21.30	21.27
3	8	0		20.04	19.92	20.16
3	8	4		19.98	20.07	20.11
3	8	7		20.06	20.14	20.22
3	15	0		19.97	20.09	20.08
1.4	1	0	QPSK	22.94	22.90	22.95
1.4	1	3		22.88	23.02	22.90
1.4	1	5		23.10	23.05	23.00
1.4	3	0		22.95	23.01	22.96
1.4	3	1		23.06	23.14	22.97
1.4	3	3		23.13	23.03	23.06
1.4	6	0		21.95	22.07	21.94
1.4	1	0	16-QAM	22.13	22.20	22.21
1.4	1	3		22.18	22.39	22.21
1.4	1	5		22.53	22.17	22.42
1.4	3	0		22.12	22.10	22.25
1.4	3	1		22.30	22.26	22.24
1.4	3	3		22.53	22.31	22.31
1.4	6	0		20.98	21.00	20.99
1.4	1	0	64-QAM	21.06	21.08	21.31
1.4	1	3		21.11	21.38	21.24
1.4	1	5		21.24	21.25	21.29
1.4	3	0		21.05	21.17	21.24
1.4	3	1		21.10	21.42	21.32
1.4	3	3		21.34	21.29	21.39
1.4	6	0		20.03	20.02	20.13

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	**23.32**	-
10	1	25			23.24	
10	1	49			23.22	
10	25	0			22.35	
10	25	12			22.20	
10	25	25			22.33	
10	50	0			22.27	
10	1	0	16-QAM		22.57	
10	1	25			22.60	
10	1	49			22.68	
10	25	0			21.40	
10	25	12			21.33	
10	25	25			21.41	
10	50	0			21.34	
10	1	0	64-QAM		21.48	
10	1	25			21.49	
10	1	49			21.63	
10	25	0			20.45	
10	25	12			20.32	
10	25	25			20.44	
10	50	0			20.36	
5	1	0	QPSK	23.22	23.22	23.24
5	1	12		23.13	23.23	23.24
5	1	24		23.28	23.25	23.24
5	12	0		22.30	22.25	22.21
5	12	7		22.14	22.08	22.16
5	12	13		22.18	22.29	22.23
5	25	0		22.07	22.16	22.13
5	1	0	16-QAM	22.40	22.45	22.50
5	1	12		22.47	22.46	22.43
5	1	24		22.51	22.63	22.59
5	12	0		21.22	21.27	21.28
5	12	7		21.31	21.33	21.33
5	12	13		21.33	21.29	21.38
5	25	0		21.24	21.19	21.32
5	1	0	64-QAM	21.39	21.44	21.33
5	1	12		21.40	21.43	21.33
5	1	24		21.44	21.61	21.62
5	12	0		20.44	20.35	20.28
5	12	7		20.26	20.31	20.31
5	12	13		20.41	20.40	20.31
5	25	0		20.24	20.31	20.28

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.12	**23.18**	23.17
10	1	25		23.04	23.03	23.07
10	1	49		23.07	23.08	23.10
10	25	0		22.10	22.11	22.10
10	25	12		22.09	22.02	22.02
10	25	25		22.07	22.07	22.05
10	50	0		22.04	22.14	22.08
10	1	0	16-QAM	22.33	22.38	22.43
10	1	25		22.42	22.35	22.31
10	1	49		22.45	22.38	22.41
10	25	0		21.14	21.22	21.22
10	25	12		21.21	21.16	21.15
10	25	25		21.19	21.21	21.24
10	50	0		21.07	21.06	21.11
10	1	0	64-QAM	21.28	21.43	21.38
10	1	25		21.27	21.32	21.39
10	1	49		21.31	21.44	21.37
10	25	0		20.15	20.20	20.22
10	25	12		20.18	20.11	20.14
10	25	25		20.19	20.19	20.23
10	50	0		20.09	20.05	20.12
5	1	0	QPSK	22.99	22.97	22.94
5	1	12		22.98	23.00	22.92
5	1	24		23.11	23.04	23.09
5	12	0		21.98	22.09	22.10
5	12	7		21.92	22.02	22.01
5	12	13		21.88	22.00	22.05
5	25	0		21.88	22.04	21.97
5	1	0	16-QAM	22.30	22.23	22.38
5	1	12		22.35	22.33	22.22
5	1	24		22.36	22.23	22.40
5	12	0		21.09	21.12	21.09
5	12	7		21.11	21.16	21.10
5	12	13		21.19	21.17	21.20
5	25	0		20.94	20.99	21.01
5	1	0	64-QAM	21.19	21.36	21.34
5	1	12		21.12	21.20	21.25
5	1	24		21.23	21.39	21.33
5	12	0		19.98	20.13	20.06
5	12	7		20.05	19.97	20.12
5	12	13		20.15	20.04	20.15
5	25	0		19.92	19.98	19.94

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.49	**23.59**	23.49
15	1	37		23.44	23.58	23.47
15	1	74		23.55	23.48	23.57
15	36	0		22.44	22.50	22.47
15	36	20		22.38	22.47	22.46
15	36	39		22.42	22.44	22.43
15	75	0		22.44	22.51	22.50
15	1	0	16-QAM	22.74	22.89	22.82
15	1	37		22.74	22.89	22.74
15	1	74		22.78	22.72	22.69
15	36	0		21.52	21.55	21.48
15	36	20		21.43	21.57	21.51
15	36	39		21.57	21.51	21.54
15	75	0		21.47	21.55	21.52
15	1	0	64-QAM	21.82	21.73	21.79
15	1	37		21.66	21.67	21.67
15	1	74		21.87	21.69	21.72
15	36	0		20.52	20.57	20.51
15	36	20		20.46	20.57	20.52
15	36	39		20.57	20.52	20.56
15	75	0		20.47	20.55	20.54
10	1	0	QPSK	23.41	23.55	23.58
10	1	25		23.40	23.43	23.31
10	1	49		23.48	23.41	23.40
10	25	0		22.26	22.32	22.37
10	25	12		22.34	22.46	22.42
10	25	25		22.37	22.37	22.39
10	50	0		22.39	22.42	22.38
10	1	0	16-QAM	22.63	22.70	22.73
10	1	25		22.59	22.89	22.72
10	1	49		22.72	22.58	22.68
10	25	0		21.45	21.52	21.32
10	25	12		21.39	21.49	21.33
10	25	25		21.49	21.46	21.38
10	50	0		21.27	21.44	21.48
10	1	0	64-QAM	21.76	21.59	21.75
10	1	25		21.51	21.47	21.50
10	1	49		21.67	21.69	21.64
10	25	0		20.37	20.39	20.49
10	25	12		20.26	20.38	20.41
10	25	25		20.45	20.33	20.40
10	50	0		20.47	20.46	20.47

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.49	23.47	23.48
5	1	12		23.32	23.48	23.36
5	1	24		23.38	23.30	23.40
5	12	0		22.36	22.49	22.31
5	12	7		22.30	22.32	22.40
5	12	13		22.35	22.35	22.32
5	25	0		22.31	22.47	22.40
5	1	0	16-QAM	22.65	22.71	22.66
5	1	12		22.67	22.82	22.71
5	1	24		22.66	22.60	22.52
5	12	0		21.45	21.40	21.31
5	12	7		21.43	21.46	21.38
5	12	13		21.55	21.49	21.45
5	25	0		21.43	21.35	21.34
5	1	0	64-QAM	21.76	21.61	21.68
5	1	12		21.61	21.57	21.66
5	1	24		21.68	21.63	21.59
5	12	0		20.36	20.37	20.42
5	12	7		20.41	20.47	20.43
5	12	13		20.49	20.37	20.43
5	25	0		20.46	20.51	20.41
3	1	0	QPSK	23.33	23.43	23.40
3	1	8		23.28	23.42	23.32
3	1	14		23.35	23.31	23.45
3	8	0		22.35	22.33	22.40
3	8	4		22.18	22.36	22.32
3	8	7		22.32	22.25	22.32
3	15	0		22.36	22.44	22.37
3	1	0	16-QAM	22.57	22.88	22.73
3	1	8		22.70	22.82	22.56
3	1	14		22.64	22.62	22.54
3	8	0		21.36	21.37	21.43
3	8	4		21.30	21.48	21.36
3	8	7		21.57	21.45	21.51
3	15	0		21.38	21.40	21.40
3	1	0	64-QAM	21.79	21.62	21.74
3	1	8		21.60	21.56	21.58
3	1	14		21.82	21.64	21.55
3	8	0		20.41	20.38	20.31
3	8	4		20.32	20.46	20.44
3	8	7		20.45	20.35	20.37
3	15	0		20.28	20.44	20.44

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.48	23.48	23.53
1.4	1	3		23.44	23.42	23.43
1.4	1	5		23.38	23.37	23.37
1.4	3	0		23.48	23.51	23.54
1.4	3	1		23.29	23.39	23.43
1.4	3	3		23.47	23.42	23.56
1.4	6	0		22.26	22.41	22.47
1.4	1	0	16-QAM	22.60	22.74	22.67
1.4	1	3		22.57	22.76	22.56
1.4	1	5		22.78	22.71	22.67
1.4	3	0		22.72	22.83	22.69
1.4	3	1		22.68	22.84	22.63
1.4	3	3		22.64	22.68	22.65
1.4	6	0		21.34	21.54	21.44
1.4	1	0	64-QAM	21.80	21.55	21.67
1.4	1	3		21.54	21.57	21.61
1.4	1	5		21.87	21.69	21.56
1.4	3	0		21.71	21.57	21.72
1.4	3	1		21.62	21.55	21.48
1.4	3	3		21.84	21.67	21.63
1.4	6	0		20.27	20.41	20.52

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.46	23.65	**23.77**
20	1	49		23.50	23.59	23.68
20	1	99		23.58	23.64	23.64
20	50	0		22.48	22.60	22.69
20	50	24		22.48	22.58	22.66
20	50	50		22.54	22.56	22.64
20	100	0		22.50	22.62	22.71
20	1	0	16-QAM	22.40	22.65	22.68
20	1	49		22.46	22.54	22.63
20	1	99		22.53	22.52	22.60
20	50	0		21.53	21.65	21.73
20	50	24		21.53	21.62	21.69
20	50	50		21.58	21.61	21.67
20	100	0		21.50	21.61	21.68
20	1	0	64-QAM	21.50	21.66	21.60
20	1	49		21.52	21.41	21.70
20	1	99		21.43	21.66	21.57
20	50	0		20.58	20.69	20.73
20	50	24		20.59	20.63	20.69
20	50	50		20.61	20.59	20.69
20	100	0		20.56	20.60	20.68
15	1	0	QPSK	23.46	23.56	23.57
15	1	37		23.38	23.45	23.51
15	1	74		23.51	23.59	23.61
15	36	0		22.41	22.43	22.61
15	36	20		22.46	22.53	22.59
15	36	39		22.48	22.56	22.64
15	75	0		22.34	22.54	22.63
15	1	0	16-QAM	22.40	22.51	22.62
15	1	37		22.42	22.48	22.63
15	1	74		22.38	22.32	22.43
15	36	0		21.38	21.64	21.61
15	36	20		21.50	21.42	21.53
15	36	39		21.53	21.61	21.47
15	75	0		21.50	21.44	21.57
15	1	0	64-QAM	21.40	21.57	21.60
15	1	37		21.33	21.37	21.63
15	1	74		21.25	21.53	21.51
15	36	0		20.48	20.69	20.58
15	36	20		20.46	20.55	20.57
15	36	39		20.46	20.41	20.49
15	75	0		20.41	20.42	20.60

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.35	23.50	23.67
10	1	25		23.34	23.44	23.52
10	1	49		23.53	23.60	23.47
10	25	0		22.44	22.57	22.49
10	25	12		22.40	22.52	22.59
10	25	25		22.54	22.36	22.61
10	50	0		22.33	22.59	22.55
10	1	0	16-QAM	22.27	22.55	22.56
10	1	25		22.43	22.48	22.55
10	1	49		22.42	22.46	22.41
10	25	0		21.52	21.52	21.60
10	25	12		21.41	21.56	21.58
10	25	25		21.52	21.51	21.53
10	50	0		21.37	21.51	21.50
10	1	0	64-QAM	21.35	21.57	21.51
10	1	25		21.47	21.31	21.61
10	1	49		21.42	21.52	21.53
10	25	0		20.49	20.49	20.60
10	25	12		20.51	20.62	20.68
10	25	25		20.47	20.51	20.49
10	50	0		20.39	20.58	20.55
5	1	0	QPSK	23.37	23.60	23.70
5	1	12		23.33	23.57	23.52
5	1	24		23.52	23.46	23.56
5	12	0		22.45	22.41	22.52
5	12	7		22.28	22.45	22.49
5	12	13		22.51	22.48	22.59
5	25	0		22.41	22.45	22.58
5	1	0	16-QAM	22.38	22.60	22.60
5	1	12		22.26	22.42	22.61
5	1	24		22.44	22.48	22.59
5	12	0		21.33	21.57	21.70
5	12	7		21.50	21.59	21.63
5	12	13		21.43	21.44	21.61
5	25	0		21.45	21.56	21.49
5	1	0	64-QAM	21.47	21.63	21.42
5	1	12		21.34	21.40	21.51
5	1	24		21.25	21.49	21.37
5	12	0		20.58	20.54	20.60
5	12	7		20.50	20.53	20.57
5	12	13		20.51	20.39	20.50
5	25	0		20.42	20.48	20.50

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.64	23.68	**23.71**
20	1	49		23.59	23.61	23.62
20	1	99		23.66	23.68	23.54
20	50	0		22.60	22.63	22.60
20	50	24		22.59	22.59	22.61
20	50	50		22.62	22.58	22.51
20	100	0		22.62	22.63	22.60
20	1	0	16-QAM	22.75	22.61	22.66
20	1	49		22.55	22.55	22.63
20	1	99		22.62	22.65	22.53
20	50	0		21.61	21.66	21.66
20	50	24		21.61	21.62	21.66
20	50	50		21.64	21.61	21.54
20	100	0		21.61	21.62	21.60
20	1	0	64-QAM	21.69	21.49	21.54
20	1	49		21.51	21.67	21.67
20	1	99		21.77	21.47	21.48
20	50	0		20.64	20.67	20.72
20	50	24		20.63	20.66	20.69
20	50	50		20.66	20.61	20.59
20	100	0		20.61	20.61	20.61
15	1	0	QPSK	23.63	23.50	23.64
15	1	37		23.43	23.53	23.55
15	1	74		23.57	23.53	23.43
15	36	0		22.49	22.47	22.54
15	36	20		22.40	22.44	22.58
15	36	39		22.59	22.50	22.48
15	75	0		22.52	22.46	22.56
15	1	0	16-QAM	22.68	22.50	22.49
15	1	37		22.37	22.42	22.45
15	1	74		22.47	22.58	22.52
15	36	0		21.41	21.58	21.65
15	36	20		21.47	21.47	21.50
15	36	39		21.57	21.57	21.49
15	75	0		21.56	21.45	21.51
15	1	0	64-QAM	21.55	21.32	21.39
15	1	37		21.42	21.64	21.59
15	1	74		21.63	21.29	21.36
15	36	0		20.55	20.51	20.66
15	36	20		20.45	20.48	20.59
15	36	39		20.62	20.59	20.42
15	75	0		20.49	20.47	20.51

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.44	23.67	23.56
10	1	25		23.58	23.53	23.42
10	1	49		23.62	23.67	23.45
10	25	0		22.52	22.57	22.40
10	25	12		22.48	22.43	22.61
10	25	25		22.44	22.57	22.31
10	50	0		22.62	22.59	22.58
10	1	0	16-QAM	22.60	22.59	22.49
10	1	25		22.55	22.53	22.48
10	1	49		22.50	22.54	22.40
10	25	0		21.56	21.58	21.55
10	25	12		21.49	21.62	21.55
10	25	25		21.53	21.59	21.50
10	50	0		21.57	21.60	21.60
10	1	0	64-QAM	21.59	21.31	21.38
10	1	25		21.46	21.58	21.60
10	1	49		21.59	21.30	21.29
10	25	0		20.56	20.64	20.57
10	25	12		20.63	20.60	20.52
10	25	25		20.53	20.54	20.57
10	50	0		20.45	20.56	20.43
5	1	0	QPSK	23.55	23.56	23.61
5	1	12		23.40	23.59	23.46
5	1	24		23.51	23.51	23.51
5	12	0		22.55	22.45	22.54
5	12	7		22.53	22.44	22.47
5	12	13		22.57	22.57	22.34
5	25	0		22.49	22.61	22.51
5	1	0	16-QAM	22.70	22.46	22.62
5	1	12		22.48	22.46	22.62
5	1	24		22.53	22.49	22.37
5	12	0		21.50	21.63	21.55
5	12	7		21.52	21.54	21.50
5	12	13		21.44	21.53	21.50
5	25	0		21.48	21.60	21.42
5	1	0	64-QAM	21.69	21.47	21.53
5	1	12		21.36	21.61	21.62
5	1	24		21.59	21.33	21.31
5	12	0		20.55	20.52	20.69
5	12	7		20.59	20.65	20.66
5	12	13		20.46	20.51	20.41
5	25	0		20.54	20.53	20.56

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.58**	23.55	23.56
20	1	49		23.51	23.35	23.55
20	1	99		23.47	23.41	23.44
20	50	0		22.54	22.42	22.51
20	50	24		22.43	22.34	22.47
20	50	50		22.51	22.35	22.48
20	100	0		22.57	22.38	22.56
20	1	0	16-QAM	22.70	22.89	22.68
20	1	49		22.76	22.66	22.84
20	1	99		22.83	22.70	22.72
20	50	0		21.41	21.48	21.43
20	50	24		21.44	21.39	21.48
20	50	50		21.54	21.38	21.49
20	100	0		21.46	21.41	21.53
20	1	0	64-QAM	21.70	21.92	21.69
20	1	49		21.72	21.61	21.74
20	1	99		21.75	21.61	21.66
20	50	0		20.43	20.48	20.42
20	50	24		20.44	20.37	20.51
20	50	50		20.54	20.37	20.50
20	100	0		20.46	20.41	20.54
15	1	0	QPSK	23.37	23.40	23.29
15	1	37		23.45	23.23	23.41
15	1	74		23.47	23.41	23.44
15	36	0		22.22	22.30	22.35
15	36	20		22.40	22.17	22.45
15	36	39		22.46	22.16	22.44
15	75	0		22.40	22.20	22.49
15	1	0	16-QAM	22.69	22.87	22.52
15	1	37		22.68	22.58	22.67
15	1	74		22.68	22.56	22.61
15	36	0		21.23	21.39	21.38
15	36	20		21.25	21.19	21.39
15	36	39		21.51	21.19	21.43
15	75	0		21.37	21.26	21.43
15	1	0	64-QAM	21.56	21.74	21.64
15	1	37		21.72	21.56	21.58
15	1	74		21.60	21.46	21.46
15	36	0		20.34	20.47	20.39
15	36	20		20.36	20.26	20.31
15	36	39		20.38	20.23	20.34
15	75	0		20.33	20.38	20.41

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.45	23.37	23.28
10	1	25		23.50	23.25	23.41
10	1	49		23.52	23.25	23.43
10	25	0		22.26	22.25	22.29
10	25	12		22.31	22.20	22.41
10	25	25		22.34	22.24	22.36
10	50	0		22.32	22.31	22.56
10	1	0	16-QAM	22.61	22.88	22.48
10	1	25		22.75	22.46	22.72
10	1	49		22.83	22.63	22.67
10	25	0		21.38	21.45	21.35
10	25	12		21.39	21.28	21.28
10	25	25		21.45	21.22	21.47
10	50	0		21.34	21.40	21.36
10	1	0	64-QAM	21.58	21.79	21.49
10	1	25		21.72	21.60	21.72
10	1	49		21.69	21.56	21.56
10	25	0		20.33	20.35	20.28
10	25	12		20.33	20.19	20.49
10	25	25		20.41	20.20	20.37
10	50	0		20.36	20.22	20.41
5	1	0	QPSK	23.45	23.51	23.30
5	1	12		23.34	23.18	23.37
5	1	24		23.42	23.38	23.32
5	12	0		22.27	22.35	22.33
5	12	7		22.37	22.33	22.36
5	12	13		22.31	22.16	22.44
5	25	0		22.33	22.38	22.37
5	1	0	16-QAM	22.54	22.87	22.54
5	1	12		22.57	22.49	22.81
5	1	24		22.67	22.64	22.69
5	12	0		21.21	21.32	21.23
5	12	7		21.28	21.29	21.33
5	12	13		21.52	21.25	21.35
5	25	0		21.42	21.24	21.47
5	1	0	64-QAM	21.69	21.80	21.56
5	1	12		21.64	21.42	21.70
5	1	24		21.61	21.58	21.59
5	12	0		20.23	20.44	20.29
5	12	7		20.30	20.37	20.42
5	12	13		20.42	20.23	20.31
5	25	0		20.26	20.21	20.53

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.42	23.52	23.33
3	1	8		23.48	23.25	23.42
3	1	14		23.50	23.27	23.43
3	8	0		22.36	22.24	22.25
3	8	4		22.25	22.17	22.37
3	8	7		22.51	22.32	22.42
3	15	0		22.41	22.35	22.47
3	1	0	16-QAM	22.57	22.75	22.56
3	1	8		22.73	22.48	22.68
3	1	14		22.78	22.69	22.57
3	8	0		21.21	21.44	21.28
3	8	4		21.30	21.23	21.47
3	8	7		21.45	21.30	21.32
3	15	0		21.29	21.31	21.47
3	1	0	64-QAM	21.51	21.84	21.56
3	1	8		21.66	21.44	21.60
3	1	14		21.70	21.56	21.61
3	8	0		20.33	20.32	20.29
3	8	4		20.35	20.21	20.46
3	8	7		20.49	20.28	20.30
3	15	0		20.33	20.24	20.41
1.4	1	0	QPSK	23.34	23.42	23.44
1.4	1	3		23.31	23.22	23.47
1.4	1	5		23.43	23.31	23.29
1.4	3	0		23.27	23.39	23.44
1.4	3	1		23.34	23.31	23.38
1.4	3	3		23.57	23.38	23.26
1.4	6	0		22.38	22.28	22.44
1.4	1	0	16-QAM	22.62	22.78	22.58
1.4	1	3		22.65	22.61	22.73
1.4	1	5		22.68	22.70	22.62
1.4	3	0		22.53	22.88	22.55
1.4	3	1		22.74	22.60	22.64
1.4	3	3		22.80	22.52	22.63
1.4	6	0		21.30	21.35	21.35
1.4	1	0	64-QAM	21.61	21.89	21.63
1.4	1	3		21.55	21.49	21.62
1.4	1	5		21.74	21.54	21.50
1.4	3	0		21.63	21.91	21.59
1.4	3	1		21.68	21.49	21.68
1.4	3	3		21.61	21.51	21.61
1.4	6	0		20.40	20.37	20.52

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

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.18	0.2080	24.62	0.2897
Middle		1	3	23.35	0.2163	24.79	0.3013
Highest		1	3	23.21	0.2094	24.65	0.2917
Lowest	16QAM	1	0	22.70	0.1862	24.14	0.2594
Middle		1	0	22.47	0.1766	23.91	0.2460
Highest		1	0	22.46	0.1762	23.90	0.2455
Lowest	64QAM	1	0	21.62	0.1452	23.06	0.2023
Middle		1	0	21.55	0.1429	22.99	0.1991
Highest		1	0	21.58	0.1439	23.02	0.2004
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.21	0.2094	24.65	0.2917
Middle		1	8	23.39	0.2183	24.83	0.3041
Highest		1	8	23.17	0.2075	24.61	0.2891
Lowest	16QAM	1	0	22.60	0.1820	24.04	0.2535
Middle		1	0	22.47	0.1766	23.91	0.2460
Highest		1	0	22.50	0.1778	23.94	0.2477
Lowest	64QAM	1	0	21.44	0.1393	22.88	0.1941
Middle		1	0	21.56	0.1432	23.00	0.1995
Highest		1	0	21.42	0.1387	22.86	0.1932
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.39	0.2183	24.83	0.3041
Middle		1	24	23.19	0.2084	24.63	0.2904
Highest		1	24	23.04	0.2014	24.48	0.2805
Lowest	16QAM	1	24	22.71	0.1866	24.15	0.2600
Middle		1	24	22.53	0.1791	23.97	0.2495
Highest		1	24	22.43	0.1750	23.87	0.2438
Lowest	64QAM	1	0	21.59	0.1442	23.03	0.2009
Middle		1	0	21.48	0.1406	22.92	0.1959
Highest		1	0	21.54	0.1426	22.98	0.1986
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.38	0.2178	24.82	0.3034
Middle		1	49	23.18	0.2080	24.62	0.2897
Highest		1	49	23.07	0.2028	24.51	0.2825
Lowest	16QAM	1	0	22.68	0.1854	24.12	0.2582
Middle		1	0	22.47	0.1766	23.91	0.2460
Highest		1	0	22.43	0.1750	23.87	0.2438
Lowest	64QAM	1	25	21.48	0.1406	22.92	0.1959
Middle		1	25	21.49	0.1409	22.93	0.1963
Highest		1	25	21.42	0.1387	22.86	0.1932
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.38	0.2178	24.82	0.3034
Middle		1	74	23.13	0.2056	24.57	0.2864
Highest		1	74	23.10	0.2042	24.54	0.2844
Lowest	16QAM	1	74	22.74	0.1879	24.18	0.2618
Middle		1	74	22.50	0.1778	23.94	0.2477
Highest		1	74	22.50	0.1778	23.94	0.2477
Lowest	64QAM	1	0	21.45	0.1396	22.89	0.1945
Middle		1	0	21.42	0.1387	22.86	0.1932
Highest		1	0	21.55	0.1429	22.99	0.1991
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.44 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.39	0.2183	24.83	0.3041
Middle		1	0	23.43	0.2203	24.87	0.3069
Highest		1	0	23.31	0.2143	24.75	0.2985
Lowest	16QAM	1	0	22.74	0.1879	24.18	0.2618
Middle		1	0	22.64	0.1837	24.08	0.2559
Highest		1	0	22.58	0.1811	24.02	0.2523
Lowest	64QAM	1	0	21.62	0.1452	23.06	0.2023
Middle		1	0	21.56	0.1432	23.00	0.1995
Highest		1	0	21.62	0.1452	23.06	0.2023
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 1.4MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.42	0.2198	24.76	0.2992
Middle		1	0	23.29	0.2133	24.63	0.2904
Highest		1	0	23.23	0.2104	24.57	0.2864
Lowest	16QAM	3	0	22.52	0.1786	23.86	0.2432
Middle		3	0	22.84	0.1923	24.18	0.2618
Highest		3	0	22.52	0.1786	23.86	0.2432
Lowest	64QAM	1	5	21.65	0.1462	22.99	0.1991
Middle		1	5	21.26	0.1337	22.60	0.1820
Highest		1	5	21.49	0.1409	22.83	0.1919
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.29	0.2133	24.63	0.2904
Middle		1	0	23.45	0.2213	24.79	0.3013
Highest		1	0	23.31	0.2143	24.65	0.2917
Lowest	16QAM	1	0	22.55	0.1799	23.89	0.2449
Middle		1	0	22.71	0.1866	24.05	0.2541
Highest		1	0	22.44	0.1754	23.78	0.2388
Lowest	64QAM	1	0	21.70	0.1479	23.04	0.2014
Middle		1	0	21.50	0.1413	22.84	0.1923
Highest		1	0	21.52	0.1419	22.86	0.1932
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.36	0.2168	24.70	0.2951
Middle		1	0	23.43	0.2203	24.77	0.2999
Highest		1	0	23.26	0.2118	24.60	0.2884
Lowest	16QAM	1	0	22.65	0.1841	23.99	0.2506
Middle		1	0	22.88	0.1941	24.22	0.2642
Highest		1	0	22.45	0.1758	23.79	0.2393
Lowest	64QAM	1	0	21.68	0.1472	23.02	0.2004
Middle		1	0	21.48	0.1406	22.82	0.1914
Highest		1	0	21.48	0.1406	22.82	0.1914
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 10MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.40	0.2188	24.74	0.2979
Middle		1	0	23.39	0.2183	24.73	0.2972
Highest		1	0	23.33	0.2153	24.67	0.2931
Lowest	16QAM	1	0	22.59	0.1816	23.93	0.2472
Middle		1	0	22.72	0.1871	24.06	0.2547
Highest		1	0	22.55	0.1799	23.89	0.2449
Lowest	64QAM	1	0	21.68	0.1472	23.02	0.2004
Middle		1	0	21.66	0.1466	23.00	0.1995
Highest		1	0	21.53	0.1422	22.87	0.1936
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.43	0.2203	24.77	0.2999
Middle		1	0	23.40	0.2188	24.74	0.2979
Highest		1	0	23.25	0.2113	24.59	0.2877
Lowest	16QAM	1	0	22.69	0.1858	24.03	0.2529
Middle		1	0	22.88	0.1941	24.22	0.2642
Highest		1	0	22.48	0.1770	23.82	0.2410
Lowest	64QAM	1	0	21.71	0.1483	23.05	0.2018
Middle		1	0	21.61	0.1449	22.95	0.1972
Highest		1	0	21.51	0.1416	22.85	0.1928
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = 1.34 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	24.81	0.3027
Middle		1	0	23.46	0.2218	24.80	0.3020
Highest		1	0	23.44	0.2208	24.78	0.3006
Lowest	16QAM	1	0	22.72	0.1871	24.06	0.2547
Middle		1	0	22.90	0.1950	24.24	0.2655
Highest		1	0	22.58	0.1811	23.92	0.2466
Lowest	64QAM	1	99	21.72	0.1486	23.06	0.2023
Middle		1	99	21.43	0.1390	22.77	0.1892
Highest		1	99	21.56	0.1432	22.90	0.1950
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.26	0.2118	24.36	0.2729
Middle		1	3	23.48	0.2228	24.58	0.2871
Highest		1	3	23.26	0.2118	24.36	0.2729
Lowest	16QAM	1	3	22.79	0.1901	23.89	0.2449
Middle		1	3	22.74	0.1879	23.84	0.2421
Highest		1	3	22.59	0.1816	23.69	0.2339
Lowest	64QAM	1	0	21.81	0.1517	22.91	0.1954
Middle		1	0	21.61	0.1449	22.71	0.1866
Highest		1	0	21.72	0.1486	22.82	0.1914
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.27	0.2123	24.37	0.2735
Middle		1	0	23.47	0.2223	24.57	0.2864
Highest		1	0	23.56	0.2270	24.66	0.2924
Lowest	16QAM	1	0	22.67	0.1849	23.77	0.2382
Middle		1	0	22.71	0.1866	23.81	0.2404
Highest		1	0	22.88	0.1941	23.98	0.2500
Lowest	64QAM	1	0	21.85	0.1531	22.95	0.1972
Middle		1	0	21.67	0.1469	22.77	0.1892
Highest		1	0	21.65	0.1462	22.75	0.1884
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	24.57	0.2864
Middle		1	0	23.52	0.2249	24.62	0.2897
Highest		1	0	23.53	0.2254	24.63	0.2904
Lowest	16QAM	1	0	22.65	0.1841	23.75	0.2371
Middle		1	0	22.75	0.1884	23.85	0.2427
Highest		1	0	22.81	0.1910	23.91	0.2460
Lowest	64QAM	1	0	21.81	0.1517	22.91	0.1954
Middle		1	0	21.61	0.1449	22.71	0.1866
Highest		1	0	21.67	0.1469	22.77	0.1892
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.44	0.2208	24.54	0.2844
Middle		1	0	23.54	0.2259	24.64	0.2911
Highest		1	0	23.43	0.2203	24.53	0.2838
Lowest	16QAM	1	25	22.75	0.1884	23.85	0.2427
Middle		1	25	22.86	0.1932	23.96	0.2489
Highest		1	25	22.74	0.1879	23.84	0.2421
Lowest	64QAM	1	0	21.65	0.1462	22.75	0.1884
Middle		1	0	21.49	0.1409	22.59	0.1816
Highest		1	0	21.77	0.1503	22.87	0.1936
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.55	0.2265	24.65	0.2917
Middle		1	74	23.32	0.2148	24.42	0.2767
Highest		1	74	23.37	0.2173	24.47	0.2799
Lowest	16QAM	1	37	22.74	0.1879	23.84	0.2421
Middle		1	37	22.83	0.1919	23.93	0.2472
Highest		1	37	22.72	0.1871	23.82	0.2410
Lowest	64QAM	1	0	21.84	0.1528	22.94	0.1968
Middle		1	0	21.58	0.1439	22.68	0.1854
Highest		1	0	21.63	0.1455	22.73	0.1875
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	24.57	0.2864
Middle		1	0	23.64	0.2312	24.74	0.2979
Highest		1	0	23.59	0.2286	24.69	0.2944
Lowest	16QAM	1	0	22.84	0.1923	23.94	0.2477
Middle		1	0	22.84	0.1923	23.94	0.2477
Highest		1	0	22.92	0.1959	24.02	0.2523
Lowest	64QAM	1	0	21.85	0.1531	22.95	0.1972
Middle		1	0	21.69	0.1476	22.79	0.1901
Highest		1	0	21.78	0.1507	22.88	0.1941
Limit	EIRP < 1W			Result		PASS	

LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.46	0.2218	22.48	0.1770
Middle		1	0	23.56	0.2270	22.58	0.1811
Highest		1	0	23.39	0.2183	22.41	0.1742
Lowest	16QAM	1	3	22.69	0.1858	21.71	0.1483
Middle		1	3	22.87	0.1936	21.89	0.1545
Highest		1	3	22.76	0.1888	21.78	0.1507
Lowest	64QAM	3	1	21.87	0.1538	20.89	0.1227
Middle		3	1	21.66	0.1466	20.68	0.1169
Highest		3	1	21.68	0.1472	20.70	0.1175
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.42	0.2198	22.44	0.1754
Middle		1	0	23.54	0.2259	22.56	0.1803
Highest		1	0	23.50	0.2239	22.52	0.1786
Lowest	16QAM	1	8	22.83	0.1919	21.85	0.1531
Middle		1	8	22.88	0.1941	21.90	0.1549
Highest		1	8	22.81	0.1910	21.83	0.1524
Lowest	64QAM	1	8	21.82	0.1521	20.84	0.1213
Middle		1	8	21.55	0.1429	20.57	0.1140
Highest		1	8	21.57	0.1435	20.59	0.1146
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.53	0.2254	22.55	0.1799
Middle		1	12	23.55	0.2265	22.57	0.1807
Highest		1	12	23.34	0.2158	22.36	0.1722
Lowest	16QAM	1	0	22.67	0.1849	21.69	0.1476
Middle		1	0	22.87	0.1936	21.89	0.1545
Highest		1	0	22.63	0.1832	21.65	0.1462
Lowest	64QAM	1	0	21.65	0.1462	20.67	0.1167
Middle		1	0	21.75	0.1496	20.77	0.1194
Highest		1	0	21.54	0.1426	20.56	0.1138
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.54	0.2259	22.56	0.1803
Middle		1	0	23.56	0.2270	22.58	0.1811
Highest		1	0	23.50	0.2239	22.52	0.1786
Lowest	16QAM	1	0	22.86	0.1932	21.88	0.1542
Middle		1	0	22.92	0.1959	21.94	0.1563
Highest		1	0	22.82	0.1914	21.84	0.1528
Lowest	64QAM	1	25	21.89	0.1545	20.91	0.1233
Middle		1	25	21.72	0.1486	20.74	0.1186
Highest		1	25	21.77	0.1503	20.79	0.1199
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average) (GT - LC = 2.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	24.00	23.64	0.2312	25.69	0.3707
Middle		1.00	24.00	23.58	0.2280	25.63	0.3656
Highest		1.00	24.00	23.40	0.2188	25.45	0.3508
Lowest	16QAM	1.00	24.00	23.00	0.1995	25.05	0.3199
Middle		1.00	24.00	22.92	0.1959	24.97	0.3141
Highest		1.00	24.00	22.78	0.1897	24.83	0.3041
Lowest	64QAM	1.00	24.00	21.98	0.1578	24.03	0.2529
Middle		1.00	24.00	21.93	0.1560	23.98	0.2500
Highest		1.00	24.00	21.78	0.1507	23.83	0.2415
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 2.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	49	23.57	0.2275	25.62	0.3648
Middle		1.00	49	23.63	0.2307	25.68	0.3698
Highest		1.00	49	23.44	0.2208	25.49	0.3540
Lowest	16QAM	1.00	25	22.93	0.1963	24.98	0.3148
Middle		1.00	25	22.60	0.1820	24.65	0.2917
Highest		1.00	25	22.82	0.1914	24.87	0.3069
Lowest	64QAM	1.00	25	21.92	0.1556	23.97	0.2495
Middle		1.00	25	21.55	0.1429	23.60	0.2291
Highest		1.00	25	21.86	0.1535	23.91	0.2460
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 2.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	37.00	23.66	0.2323	25.71	0.3724
Middle		1.00	37.00	23.38	0.2178	25.43	0.3491
Highest		1.00	37.00	23.44	0.2208	25.49	0.3540
Lowest	16QAM	1.00	0.00	22.86	0.1932	24.91	0.3097
Middle		1.00	0.00	22.70	0.1862	24.75	0.2985
Highest		1.00	0.00	22.94	0.1968	24.99	0.3155
Lowest	64QAM	1.00	0.00	21.73	0.1489	23.78	0.2388
Middle		1.00	0.00	21.86	0.1535	23.91	0.2460
Highest		1.00	0.00	21.92	0.1556	23.97	0.2495
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average) (GT - LC = 2.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.70	0.2344	25.75	0.3758
Middle		1.00	0.00	23.63	0.2307	25.68	0.3698
Highest		1.00	0.00	23.68	0.2333	25.73	0.3741
Lowest	16QAM	1.00	49.00	23.00	0.1995	25.05	0.3199
Middle		1.00	49.00	22.75	0.1884	24.80	0.3020
Highest		1.00	49.00	23.00	0.1995	25.05	0.3199
Lowest	64QAM	1.00	0.00	21.84	0.1528	23.89	0.2449
Middle		1.00	0.00	21.94	0.1563	23.99	0.2506
Highest		1.00	0.00	22.00	0.1585	24.05	0.2541
Limit	EIRP < 2W			Result		PASS	

LTE Band 12 / 1.4MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.06	0.2023	18.96	0.0787
Middle		3	1	23.14	0.2061	19.04	0.0802
Highest		3	1	22.97	0.1982	18.87	0.0771
Lowest	16QAM	1	5	22.53	0.1791	18.43	0.0697
Middle		1	5	22.17	0.1648	18.07	0.0641
Highest		1	5	22.42	0.1746	18.32	0.0679
Lowest	64QAM	3	1	21.10	0.1288	17.00	0.0501
Middle		3	1	21.42	0.1387	17.32	0.0540
Highest		3	1	21.32	0.1355	17.22	0.0527
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	23.01	0.2000	18.91	0.0778
Middle		1	14	23.01	0.2000	18.91	0.0778
Highest		1	14	23.12	0.2051	19.02	0.0798
Lowest	16QAM	1	14	22.43	0.1750	18.33	0.0681
Middle		1	14	22.12	0.1629	18.02	0.0634
Highest		1	14	22.33	0.1710	18.23	0.0665
Lowest	64QAM	1	14	21.39	0.1377	17.29	0.0536
Middle		1	14	21.30	0.1349	17.20	0.0525
Highest		1	14	21.27	0.1340	17.17	0.0521
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.05	0.2018	18.95	0.0785
Middle		1	24	22.90	0.1950	18.80	0.0759
Highest		1	24	23.07	0.2028	18.97	0.0789
Lowest	16QAM	1	24	22.52	0.1786	18.42	0.0695
Middle		1	24	22.11	0.1626	18.01	0.0632
Highest		1	24	22.28	0.1690	18.18	0.0658
Lowest	64QAM	1	12	21.10	0.1288	17.00	0.0501
Middle		1	12	21.42	0.1387	17.32	0.0540
Highest		1	12	21.19	0.1315	17.09	0.0512
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.09	0.2037	18.99	0.0793
Middle		1	0	23.16	0.2070	19.06	0.0805
Highest		1	0	23.10	0.2042	19.00	0.0794
Lowest	16QAM	1	49	22.53	0.1791	18.43	0.0697
Middle		1	49	22.31	0.1702	18.21	0.0662
Highest		1	49	22.43	0.1750	18.33	0.0681
Lowest	64QAM	1	25	21.21	0.1321	17.11	0.0514
Middle		1	25	21.46	0.1400	17.36	0.0545
Highest		1	25	21.32	0.1355	17.22	0.0527
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 5MHz (Average) (GT - LC = 0.36 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.28	0.2128	21.49	0.1409
Middle		1	24	23.25	0.2113	21.46	0.1400
Highest		1	24	23.24	0.2109	21.45	0.1396
Lowest	16QAM	1	24	22.51	0.1782	20.72	0.1180
Middle		1	24	22.63	0.1832	20.84	0.1213
Highest		1	24	22.59	0.1816	20.80	0.1202
Lowest	64QAM	1	24	21.44	0.1393	19.65	0.0923
Middle		1	24	21.61	0.1449	19.82	0.0959
Highest		1	24	21.62	0.1452	19.83	0.0962
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 0.36 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.32	0.2148	21.53	0.1422
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.68	0.1854	20.89	0.1227
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	49	21.63	0.1455	19.84	0.0964
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 5MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.11	0.2046	19.01	0.0796
Middle		1	24	23.04	0.2014	18.94	0.0783
Highest		1	24	23.09	0.2037	18.99	0.0793
Lowest	16QAM	1	24	22.36	0.1722	18.26	0.0670
Middle		1	24	22.23	0.1671	18.13	0.0650
Highest		1	24	22.40	0.1738	18.30	0.0676
Lowest	64QAM	1	24	21.23	0.1327	17.13	0.0516
Middle		1	24	21.39	0.1377	17.29	0.0536
Highest		1	24	21.33	0.1358	17.23	0.0528
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -1.95 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.12	0.2051	19.02	0.0798
Middle		1	0	23.18	0.2080	19.08	0.0809
Highest		1	0	23.17	0.2075	19.07	0.0807
Lowest	16QAM	1	49	22.45	0.1758	18.35	0.0684
Middle		1	49	22.38	0.1730	18.28	0.0673
Highest		1	49	22.41	0.1742	18.31	0.0678
Lowest	64QAM	1	49	21.31	0.1352	17.21	0.0526
Middle		1	49	21.44	0.1393	17.34	0.0542
Highest		1	49	21.37	0.1371	17.27	0.0533
Limit	ERP < 3W			Result		PASS	

LTE Band 41 / 5MHz (Average) (GT - LC = 2.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.55	0.2265	25.85	0.3846
Middle		1	0	23.56	0.2270	25.86	0.3855
Highest		1	0	23.61	0.2296	25.91	0.3899
Lowest	16QAM	1	0	22.70	0.1862	25.00	0.3162
Middle		1	0	22.46	0.1762	24.76	0.2992
Highest		1	0	22.62	0.1828	24.92	0.3105
Lowest	64QAM	1	0	21.69	0.1476	23.99	0.2506
Middle		1	0	21.47	0.1403	23.77	0.2382
Highest		1	0	21.53	0.1422	23.83	0.2415
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 2.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.44	0.2208	25.74	0.3750
Middle		1	0	23.67	0.2328	25.97	0.3954
Highest		1	0	23.56	0.2270	25.86	0.3855
Lowest	16QAM	1	0	22.60	0.1820	24.90	0.3090
Middle		1	0	22.59	0.1816	24.89	0.3083
Highest		1	0	22.49	0.1774	24.79	0.3013
Lowest	64QAM	1	25	21.46	0.1400	23.76	0.2377
Middle		1	25	21.58	0.1439	23.88	0.2443
Highest		1	25	21.60	0.1445	23.90	0.2455
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 2.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.63	0.2307	25.93	0.3917
Middle		1	0	23.50	0.2239	25.80	0.3802
Highest		1	0	23.64	0.2312	25.94	0.3926
Lowest	16QAM	1	0	22.68	0.1854	24.98	0.3148
Middle		1	0	22.50	0.1778	24.80	0.3020
Highest		1	0	22.49	0.1774	24.79	0.3013
Lowest	64QAM	1	37	21.42	0.1387	23.72	0.2355
Middle		1	37	21.64	0.1459	23.94	0.2477
Highest		1	37	21.59	0.1442	23.89	0.2449
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 20MHz (Average) (GT - LC = 2.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.64	0.2312	25.94	0.3926
Middle		1	0	23.68	0.2333	25.98	0.3963
Highest		1	0	23.71	0.2350	26.01	0.3990
Lowest	16QAM	1	0	22.75	0.1884	25.05	0.3199
Middle		1	0	22.61	0.1824	24.91	0.3097
Highest		1	0	22.66	0.1845	24.96	0.3133
Lowest	64QAM	1	99	21.77	0.1503	24.07	0.2553
Middle		1	99	21.47	0.1403	23.77	0.2382
Highest		1	99	21.48	0.1406	23.78	0.2388
Limit	EIRP < 2W			Result		PASS	

LTE Band 26 / 1.4MHz (Average) (GT - LC = 1.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	23.47	0.2223	22.71	0.1866
Middle		3	3	23.42	0.2198	22.66	0.1845
Highest		3	3	23.56	0.2270	22.80	0.1905
Lowest	16QAM	3	1	22.68	0.1854	21.92	0.1556
Middle		3	1	22.84	0.1923	22.08	0.1614
Highest		3	1	22.63	0.1832	21.87	0.1538
Lowest	64QAM	1	5	21.87	0.1538	21.11	0.1291
Middle		1	5	21.69	0.1476	20.93	0.1239
Highest		1	5	21.56	0.1432	20.80	0.1202
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 1.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	23.35	0.2163	22.59	0.1816
Middle		1	14	23.31	0.2143	22.55	0.1799
Highest		1	14	23.45	0.2213	22.69	0.1858
Lowest	16QAM	1	0	22.57	0.1807	21.81	0.1517
Middle		1	0	22.88	0.1941	22.12	0.1629
Highest		1	0	22.73	0.1875	21.97	0.1574
Lowest	64QAM	1	14	21.82	0.1521	21.06	0.1276
Middle		1	14	21.64	0.1459	20.88	0.1225
Highest		1	14	21.55	0.1429	20.79	0.1199
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 1.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.49	0.2234	22.73	0.1875
Middle		1	0	23.47	0.2223	22.71	0.1866
Highest		1	0	23.48	0.2228	22.72	0.1871
Lowest	16QAM	1	12	22.67	0.1849	21.91	0.1552
Middle		1	12	22.82	0.1914	22.06	0.1607
Highest		1	12	22.71	0.1866	21.95	0.1567
Lowest	64QAM	1	0	21.76	0.1500	21.00	0.1259
Middle		1	0	21.61	0.1449	20.85	0.1216
Highest		1	0	21.68	0.1472	20.92	0.1236
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 10MHz (Average) (GT - LC = 1.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.41	0.2193	22.65	0.1841
Middle		1	0	23.55	0.2265	22.79	0.1901
Highest		1	0	23.58	0.2280	22.82	0.1914
Lowest	16QAM	1	25	22.59	0.1816	21.83	0.1524
Middle		1	25	22.89	0.1945	22.13	0.1633
Highest		1	25	22.72	0.1871	21.96	0.1570
Lowest	64QAM	1	0	21.76	0.1500	21.00	0.1259
Middle		1	0	21.59	0.1442	20.83	0.1211
Highest		1	0	21.75	0.1496	20.99	0.1256
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 1.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.49	0.2234	22.73	0.1875
Middle		1	0	23.59	0.2286	22.83	0.1919
Highest		1	0	23.49	0.2234	22.73	0.1875
Lowest	16QAM	1	0	22.74	0.1879	21.98	0.1578
Middle		1	0	22.89	0.1945	22.13	0.1633
Highest		1	0	22.82	0.1914	22.06	0.1607
Lowest	64QAM	1	74	21.87	0.1538	21.11	0.1291
Middle		1	74	21.69	0.1476	20.93	0.1239
Highest		1	74	21.72	0.1486	20.96	0.1247
Limit	ERP < 7W			Result		PASS	

LTE Band 38 / 5MHz (Peak) (GT - LC = 1.96 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.37	0.2173	25.33	0.3412
Middle		1	0	23.60	0.2291	25.56	0.3597
Highest		1	0	23.70	0.2344	25.66	0.3681
Lowest	16QAM	1	12	22.26	0.1683	24.22	0.2642
Middle		1	12	22.42	0.1746	24.38	0.2742
Highest		1	12	22.61	0.1824	24.57	0.2864
Lowest	64QAM	1	0	21.47	0.1403	23.43	0.2203
Middle		1	0	21.63	0.1455	23.59	0.2286
Highest		1	0	21.42	0.1387	23.38	0.2178
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 1.96 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.35	0.2163	25.31	0.3396
Middle		1	0	23.50	0.2239	25.46	0.3516
Highest		1	0	23.67	0.2328	25.63	0.3656
Lowest	16QAM	1	0	22.27	0.1687	24.23	0.2649
Middle		1	0	22.55	0.1799	24.51	0.2825
Highest		1	0	22.56	0.1803	24.52	0.2831
Lowest	64QAM	1	25	21.47	0.1403	23.43	0.2203
Middle		1	25	21.31	0.1352	23.27	0.2123
Highest		1	25	21.61	0.1449	23.57	0.2275
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 1.96 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.51	0.2244	25.47	0.3524
Middle		1	74	23.59	0.2286	25.55	0.3589
Highest		1	74	23.61	0.2296	25.57	0.3606
Lowest	16QAM	1	37	22.42	0.1746	24.38	0.2742
Middle		1	37	22.48	0.1770	24.44	0.2780
Highest		1	37	22.63	0.1832	24.59	0.2877
Lowest	64QAM	1	37	21.33	0.1358	23.29	0.2133
Middle		1	37	21.37	0.1371	23.33	0.2153
Highest		1	37	21.63	0.1455	23.59	0.2286
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 20MHz (Peak) (GT - LC = 1.96 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.46	0.2218	25.42	0.3483
Middle		1	0	23.65	0.2317	25.61	0.3639
Highest		1	0	23.77	0.2382	25.73	0.3741
Lowest	16QAM	1	0	22.40	0.1738	24.36	0.2729
Middle		1	0	22.65	0.1841	24.61	0.2891
Highest		1	0	22.68	0.1854	24.64	0.2911
Lowest	64QAM	1	49	21.52	0.1419	23.48	0.2228
Middle		1	49	21.41	0.1384	23.37	0.2173
Highest		1	49	21.70	0.1479	23.66	0.2323
Limit	EIRP < 2W			Result		PASS	

LTE Band 66 / 1.4MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	23.57	0.2275	24.67	0.2931
Middle		3	3	23.38	0.2178	24.48	0.2805
Highest		3	3	23.26	0.2118	24.36	0.2729
Lowest	16QAM	3	0	22.53	0.1791	23.63	0.2307
Middle		3	0	22.88	0.1941	23.98	0.2500
Highest		3	0	22.55	0.1799	23.65	0.2317
Lowest	64QAM	3	0	21.63	0.1455	22.73	0.1875
Middle		3	0	21.91	0.1552	23.01	0.2000
Highest		3	0	21.59	0.1442	22.69	0.1858
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.42	0.2198	24.52	0.2831
Middle		1	0	23.52	0.2249	24.62	0.2897
Highest		1	0	23.33	0.2153	24.43	0.2773
Lowest	16QAM	1	14	22.78	0.1897	23.88	0.2443
Middle		1	14	22.69	0.1858	23.79	0.2393
Highest		1	14	22.57	0.1807	23.67	0.2328
Lowest	64QAM	1	0	21.51	0.1416	22.61	0.1824
Middle		1	0	21.84	0.1528	22.94	0.1968
Highest		1	0	21.56	0.1432	22.66	0.1845
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.45	0.2213	24.55	0.2851
Middle		1	0	23.51	0.2244	24.61	0.2891
Highest		1	0	23.30	0.2138	24.40	0.2754
Lowest	16QAM	1	0	22.54	0.1795	23.64	0.2312
Middle		1	0	22.87	0.1936	23.97	0.2495
Highest		1	0	22.54	0.1795	23.64	0.2312
Lowest	64QAM	1	0	21.69	0.1476	22.79	0.1901
Middle		1	0	21.80	0.1514	22.90	0.1950
Highest		1	0	21.56	0.1432	22.66	0.1845
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 10MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.52	0.2249	24.62	0.2897
Middle		1	49	23.25	0.2113	24.35	0.2723
Highest		1	49	23.43	0.2203	24.53	0.2838
Lowest	16QAM	1	0	22.61	0.1824	23.71	0.2350
Middle		1	0	22.88	0.1941	23.98	0.2500
Highest		1	0	22.48	0.1770	23.58	0.2280
Lowest	64QAM	1	0	21.58	0.1439	22.68	0.1854
Middle		1	0	21.79	0.1510	22.89	0.1945
Highest		1	0	21.49	0.1409	22.59	0.1816
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.47	0.2223	24.57	0.2864
Middle		1	74	23.41	0.2193	24.51	0.2825
Highest		1	74	23.44	0.2208	24.54	0.2844
Lowest	16QAM	1	0	22.69	0.1858	23.79	0.2393
Middle		1	0	22.87	0.1936	23.97	0.2495
Highest		1	0	22.52	0.1786	23.62	0.2301
Lowest	64QAM	1	0	21.56	0.1432	22.66	0.1845
Middle		1	0	21.74	0.1493	22.84	0.1923
Highest		1	0	21.64	0.1459	22.74	0.1879
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.58	0.2280	24.68	0.2938
Middle		1	0	23.55	0.2265	24.65	0.2917
Highest		1	0	23.56	0.2270	24.66	0.2924
Lowest	16QAM	1	0	22.70	0.1862	23.80	0.2399
Middle		1	0	22.89	0.1945	23.99	0.2506
Highest		1	0	22.68	0.1854	23.78	0.2388
Lowest	64QAM	1	0	21.70	0.1479	22.80	0.1905
Middle		1	0	21.92	0.1556	23.02	0.2004
Highest		1	0	21.69	0.1476	22.79	0.1901
Limit	EIRP < 1W			Result		PASS	

Radiated Spurious Emission

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	5004	-46.04	-25	-21.04	-38.86	-55.78	2.36	12.10	H
	7500	-61.67	-25	-36.67	-59.97	-69.55	2.12	10.00	H
	10008	-59.09	-25	-34.09	-61.06	-69.08	1.81	11.80	H
									H
									H
									H
	5004	-45.63	-25	-20.63	-39.07	-55.37	2.36	12.10	V
	7500	-60.76	-25	-35.76	-58.91	-68.64	2.12	10.00	V
	10008	-60.32	-25	-35.32	-61.37	-70.31	1.81	11.80	V
									V
									V
									V
Middle	5052	-50.45	-25	-25.45	-43.44	-60.22	2.34	12.11	H
	7584	-61.29	-25	-36.29	-59.08	-69.48	2.11	10.30	H
	10104	-58.85	-25	-33.85	-60.96	-68.73	1.96	11.84	H
									H
									H
									H
	5052	-47.18	-25	-22.18	-40.77	-56.95	2.34	12.11	V
	7584	-60.13	-25	-35.13	-57.93	-68.32	2.11	10.30	V
	10104	-59.56	-25	-34.56	-60.94	-69.44	1.96	11.84	V
									V
									V
									V
Highest	5100	-55.66	-25	-30.66	-48.81	-65.46	2.32	12.12	H
	7656	-61.37	-25	-36.37	-59.17	-69.82	2.11	10.56	H
	10200	-59.35	-25	-34.35	-61.61	-69.11	2.12	11.88	H
									H
									H
									H
	5100	-50.79	-25	-25.79	-44.53	-60.59	2.32	12.12	V
	7656	-55.45	-25	-30.45	-53.3	-63.90	2.11	10.56	V
	10200	-58.59	-25	-33.59	-60.3	-68.35	2.12	11.88	V
									V
									V
									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	-46.51	-42.15	-4.36	-59.81	-51.60	1.19	8.43	H
	2344	-42.59	-13	-29.59	-60.02	-49.40	1.42	10.38	H
	3128	-69.79	-13	-56.79	-75.63	-77.36	1.56	11.28	H
									H
									H
									H
	1560	-49.31	-42.15	-7.16	-62.39	-54.40	1.19	8.43	V
	2344	-41.75	-13	-28.75	-59.71	-48.56	1.42	10.38	V
	3128	-54.26	-13	-41.26	-73.37	-61.83	1.56	11.28	V
									V
									V
									V
Middle	1568	-47.31	-42.15	-5.16	-60.52	-52.42	1.20	8.46	H
	2352	-43.73	-13	-30.73	-61.09	-50.55	1.42	10.38	H
	3136	-56.72	-13	-43.72	-75.60	-64.31	1.57	11.31	H
									H
									H
									H
	1568	-48.75	-42.15	-6.60	-61.75	-53.86	1.20	8.46	V
	2352	-42.07	-13	-29.07	-59.97	-48.89	1.42	10.38	V
	3136	-55.01	-13	-42.01	-74.13	-62.60	1.57	11.31	V
									V
									V
									V
ighest	1576	-49.46	-42.15	-7.31	-62.60	-54.60	1.20	8.49	H
	2360	-40.86	-13	-27.86	-58.16	-47.68	1.42	10.39	H
	3144	-56.69	-13	-43.69	-75.62	-64.29	1.58	11.33	H
									H
									H
									H
	1576	-48.31	-42.15	-6.16	-61.25	-53.45	1.20	8.49	V
	2360	-40.27	-13	-27.27	-58.11	-47.09	1.42	10.39	V
	3144	-67.56	-13	-54.56	-73.72	-75.16	1.58	11.33	V
									V
									V
									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	-46.24	-13	-33.24	-59.62	-51.30	1.19	8.40	H
	2336	-43.51	-13	-30.51	-60.98	-50.32	1.41	10.37	H
	3112	-57.21	-13	-44.21	-75.99	-64.74	1.55	11.24	H
									H
									H
									H
									H
	1552	-48.88	-13	-35.88	-62.04	-53.94	1.19	8.40	V
	2336	-42.37	-13	-29.37	-60.38	-49.18	1.41	10.37	V
	3112	-55.96	-13	-42.96	-75.02	-63.49	1.55	11.24	V
									V
									V
									V
									V

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