FCC RADIO TEST REPORT

FCC ID	:	**2AJN7-TP00109B**
Equipment	:	**Notebook Computer**
Brand Name	:	**Lenovo**
Model Name	:	**TP00109B**
Applicant	:	**LC Future Center Limited Taiwan Branch 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 Oct. 23, 2019 and completed on Oct. 29, 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
FG9O1135B	01	Initial issue of report	Nov. 25, 2019

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 2.70 dB at 1568.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Remark:
1. Not required means after assessing, test items are not necessary to carry out
2. This is a variant report which can be referred Product Equality Declaration. All the test cases were performed on original report which can be referred to Sporton Report Number FG931312B. 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: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00109B
FCC ID	2AJN7-TP00109B
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**	1.12
	Part number	LXA113-16-000-C	**Type**	PIFA
Antenna 2	**Manufacturer**	SPEEDWIRE	**Peak gain**	1.63
	Part number	F.0G.ZV-0009-001-00	**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 : 23.26 dBm LTE Band 4 : 23.61 dBm LTE Band 5 : 23.44 dBm LTE Band 7 : 23.47 dBm LTE Band 12 : 23.11 dBm LTE Band 13 : 23.09 dBm LTE Band 17 : 23.15 dBm LTE Band 25 : 23.25 dBm LTE Band 26 : 23.49 dBm LTE Band 38 : 23.36 dBm LTE Band 41 : 23.64 dBm LTE Band 66 : 23.61dBm
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

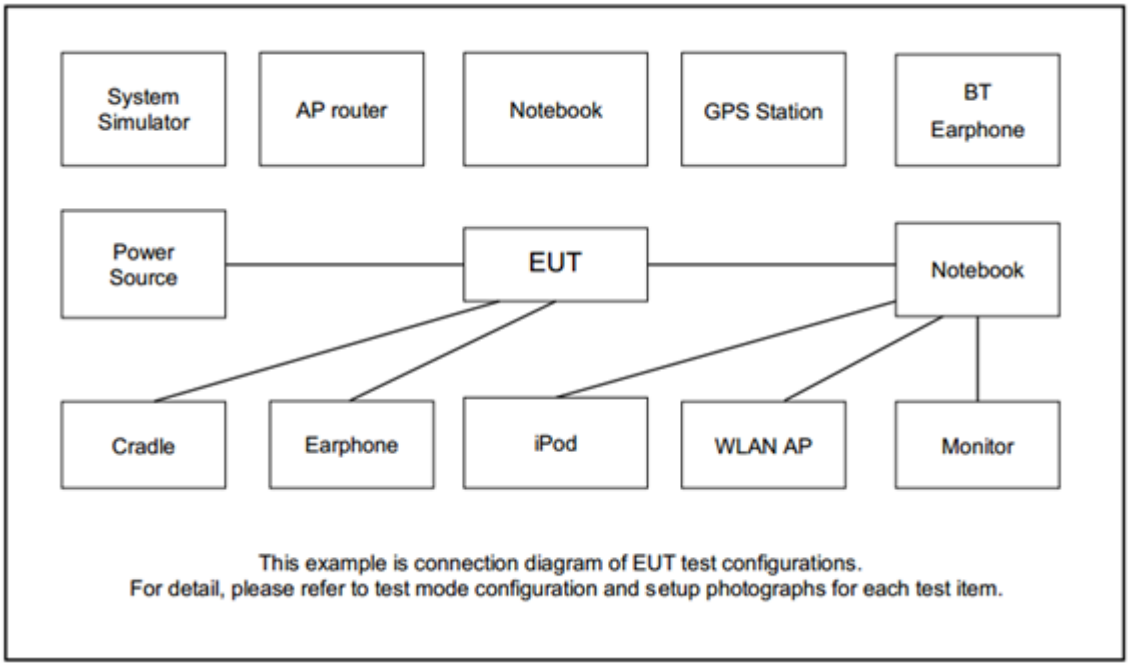
2.1 Test Mode

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	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 2.															

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

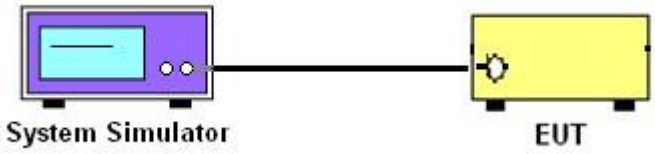
3 Conducted Test Items

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.

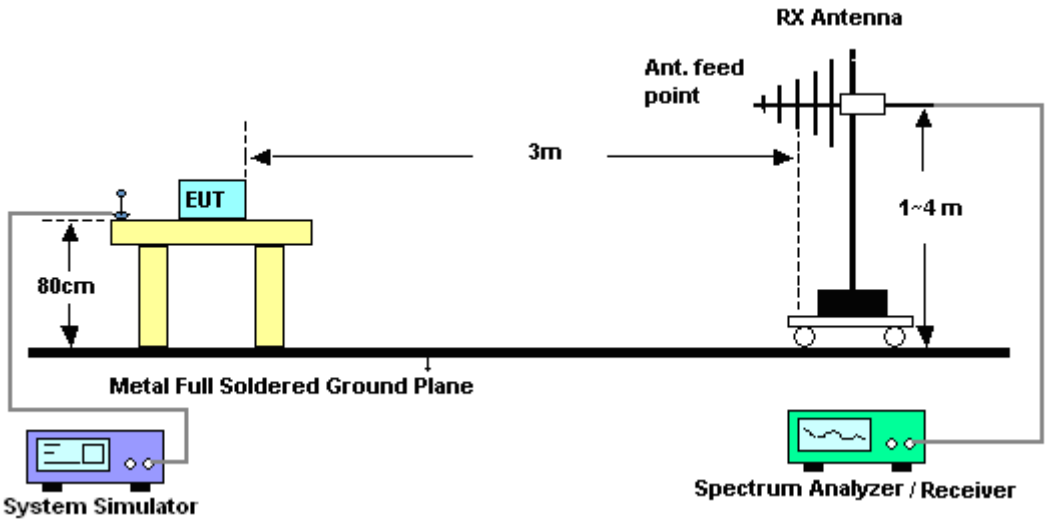
4 Radiated Test Items

4.1 Measuring Instruments

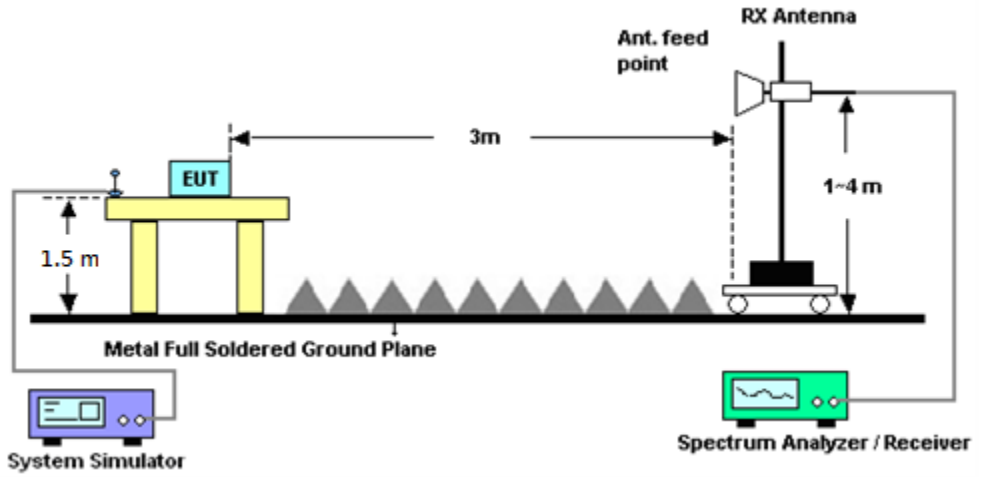
See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated 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
LTE Base Station	Anritsu	MT8820C	6201107509	-	Jul. 03, 2019	Oct. 23, 2019	Jul. 02, 2020	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 30, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Apr. 29, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	54682 & AT-N0603	30MHz~1GHz	Sep. 26, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Sep. 25, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz~18GHz	Jul. 02, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Jul. 01, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 14, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	May 13, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	May 13, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 05, 2018	Oct. 23, 2019 ~ Oct. 29, 2019	Dec. 04, 2019	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 18, 2018	Oct. 23, 2019 ~ Oct. 29, 2019	Dec. 17, 2019	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	May 19, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Oct. 23, 2019 ~ Oct. 29, 2019	Dec. 05, 2019	Radiation (03CH13-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 27, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	May 26, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Mar. 18, 2020	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 23, 2019 ~ Oct. 29, 2019	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 23, 2019 ~ Oct. 29, 2019	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 23, 2019 ~ Oct. 29, 2019	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Oct. 23, 2019 ~ Oct. 29, 2019	N/A	Radiation (03CH13-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Aug. 27, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Aug. 26, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SF102/2*11SK252	MY4278/2	9kHz~40GHz	May 16, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	May 15, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 13, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Feb. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 13, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Mar. 12, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 14, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Jul. 13, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60SS	SN3	1.2GHz High Pass Filter	Jul. 03, 2019	Oct. 23, 2019 ~ Oct. 29, 2019	Jul. 02, 2020	Radiation (03CH13-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	23.25	**23.26**	23.11
20	1	49		23.03	23.24	22.99
20	1	99		23.18	23.07	22.99
20	50	0		22.13	22.25	22.04
20	50	24		22.02	22.25	22.15
20	50	50		22.10	22.17	22.06
20	100	0		22.08	22.24	22.16
20	1	0	16-QAM	22.40	22.50	22.17
20	1	49		22.25	22.53	22.40
20	1	99		22.61	22.43	22.32
20	50	0		21.15	21.26	21.07
20	50	24		21.07	21.26	21.17
20	50	50		21.13	21.18	21.13
20	100	0		21.10	21.24	21.16
20	1	0	64-QAM	21.43	21.42	21.30
20	1	49		21.32	21.52	21.25
20	1	99		21.46	21.36	21.23
20	50	0		20.18	20.27	20.08
20	50	24		20.05	20.28	20.17
20	50	50		20.12	20.19	20.14
20	100	0		20.10	20.24	20.18
15	1	0	QPSK	23.12	23.16	22.91
15	1	37		22.97	23.16	23.06
15	1	74		23.20	23.01	22.93
15	36	0		22.05	22.21	22.09
15	36	20		22.05	22.15	22.06
15	36	39		22.03	22.10	22.01
15	75	0		22.02	22.22	22.09
15	1	0	16-QAM	22.35	22.47	22.13
15	1	37		22.20	22.48	22.36
15	1	74		22.52	22.35	22.26
15	36	0		21.12	21.23	21.02
15	36	20		20.99	21.17	21.14
15	36	39		21.04	21.10	21.05
15	75	0		21.00	21.23	21.13
15	1	0	64-QAM	21.40	21.38	21.24
15	1	37		21.30	21.52	21.24
15	1	74		21.40	21.31	21.16
15	36	0		20.08	20.22	20.06
15	36	20		19.95	20.20	20.17
15	36	39		20.12	20.09	20.10
15	75	0		20.08	20.19	20.11

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.12	23.25	22.99
10	1	25		23.02	23.23	23.05
10	1	49		23.20	23.07	22.90
10	25	0		22.08	22.19	22.02
10	25	12		21.95	22.16	22.14
10	25	25		22.07	22.10	22.05
10	50	0		22.06	22.14	22.14
10	1	0	16-QAM	22.30	22.44	22.07
10	1	25		22.22	22.47	22.38
10	1	49		22.57	22.43	22.24
10	25	0		21.07	21.24	21.00
10	25	12		20.98	21.17	21.10
10	25	25		21.06	21.09	21.10
10	50	0		21.07	21.20	21.10
10	1	0	64-QAM	21.42	21.35	21.27
10	1	25		21.28	21.49	21.25
10	1	49		21.37	21.27	21.17
10	25	0		20.13	20.27	20.04
10	25	12		20.06	20.28	20.07
10	25	25		20.03	20.14	20.04
10	50	0		20.10	20.19	20.16
5	1	0	QPSK	23.15	23.20	22.89
5	1	12		22.98	23.24	23.10
5	1	24		23.25	23.02	22.95
5	12	0		22.04	22.19	22.01
5	12	7		21.94	22.16	22.15
5	12	13		22.06	22.12	21.99
5	25	0		22.01	22.14	22.11
5	1	0	16-QAM	22.35	22.48	22.14
5	1	12		22.18	22.47	22.32
5	1	24		22.53	22.39	22.23
5	12	0		21.12	21.26	20.99
5	12	7		21.01	21.21	21.15
5	12	13		21.07	21.15	21.12
5	25	0		21.01	21.14	21.13
5	1	0	64-QAM	21.39	21.39	21.25
5	1	12		21.30	21.47	21.20
5	1	24		21.42	21.27	21.17
5	12	0		20.18	20.19	20.05
5	12	7		20.06	20.26	20.07
5	12	13		20.11	20.18	20.14
5	25	0		20.07	20.21	20.15

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.11	23.17	22.95
3	1	8		23.03	23.14	23.08
3	1	14		23.17	23.06	22.97
3	8	0		22.03	22.25	21.95
3	8	4		21.93	22.15	22.11
3	8	7		22.02	22.08	21.97
3	15	0		22.05	22.22	22.07
3	1	0	16-QAM	22.32	22.44	22.11
3	1	8		22.19	22.53	22.31
3	1	14		22.58	22.33	22.24
3	8	0		21.06	21.17	21.04
3	8	4		21.00	21.17	21.10
3	8	7		21.12	21.18	21.04
3	15	0		21.03	21.16	21.14
3	1	0	64-QAM	21.35	21.41	21.23
3	1	8		21.32	21.49	21.24
3	1	14		21.36	21.34	21.13
3	8	0		20.10	20.25	20.00
3	8	4		20.01	20.25	20.16
3	8	7		20.02	20.11	20.11
3	15	0		20.06	20.16	20.13
1.4	1	0	QPSK	23.13	23.17	22.93
1.4	1	3		22.96	23.23	23.11
1.4	1	5		23.17	22.99	22.98
1.4	3	0		22.04	22.21	22.05
1.4	3	1		22.07	22.23	22.12
1.4	3	3		22.10	22.12	22.04
1.4	6	0		22.01	22.24	22.13
1.4	1	0	16-QAM	22.39	22.43	22.11
1.4	1	3		22.24	22.53	22.38
1.4	1	5		22.57	22.36	22.23
1.4	3	0		21.10	21.20	21.05
1.4	3	1		21.08	21.20	21.10
1.4	3	3		21.11	21.18	21.09
1.4	6	0		21.04	21.24	21.16
1.4	1	0	64-QAM	21.40	21.40	21.20
1.4	1	3		21.32	21.48	21.23
1.4	1	5		21.44	21.32	21.22
1.4	3	0		20.13	20.23	20.00
1.4	3	1		20.09	20.23	20.10
1.4	3	3		20.03	20.19	20.10
1.4	6	0		20.08	20.15	20.17

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.25**	23.16	23.13
20	1	49		23.07	23.14	23.01
20	1	99		23.16	23.06	23.11
20	50	0		22.22	22.24	22.21
20	50	24		22.07	22.19	22.04
20	50	50		22.07	22.10	22.05
20	100	0		22.12	22.09	22.06
20	1	0	16-QAM	22.47	22.43	22.51
20	1	49		22.42	22.45	22.26
20	1	99		22.49	22.46	22.40
20	50	0		21.28	21.28	21.25
20	50	24		21.17	21.24	21.12
20	50	50		21.14	21.14	21.08
20	100	0		21.15	21.14	21.13
20	1	0	64-QAM	21.47	21.43	21.31
20	1	49		21.32	21.28	21.26
20	1	99		21.37	21.29	21.36
20	50	0		20.30	20.31	20.26
20	50	24		20.14	20.23	20.13
20	50	50		20.15	20.16	20.14
20	100	0		20.15	20.17	20.11
15	1	0	QPSK	23.17	23.06	23.10
15	1	37		23.02	23.10	22.95
15	1	74		23.08	23.00	23.09
15	36	0		22.13	22.19	22.13
15	36	20		22.07	22.11	22.02
15	36	39		22.00	22.01	22.05
15	75	0		22.05	22.02	22.05
15	1	0	16-QAM	22.41	22.34	22.46
15	1	37		22.40	22.35	22.22
15	1	74		22.43	22.36	22.33
15	36	0		21.27	21.23	21.15
15	36	20		21.14	21.23	21.09
15	36	39		21.12	21.09	21.01
15	75	0		21.10	21.14	21.11
15	1	0	64-QAM	21.46	21.35	21.29
15	1	37		21.22	21.20	21.20
15	1	74		21.35	21.27	21.35
15	36	0		20.30	20.30	20.21
15	36	20		20.07	20.21	20.08
15	36	39		20.15	20.11	20.04
15	75	0		20.13	20.10	20.11

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.19	23.11	23.04
10	1	25		22.97	23.10	22.93
10	1	49		23.14	22.99	23.11
10	25	0		22.19	22.14	22.21
10	25	12		22.07	22.16	21.99
10	25	25		22.07	22.07	21.95
10	50	0		22.08	22.09	22.00
10	1	0	16-QAM	22.44	22.35	22.41
10	1	25		22.33	22.37	22.26
10	1	49		22.45	22.39	22.39
10	25	0		21.21	21.27	21.20
10	25	12		21.11	21.17	21.03
10	25	25		21.13	21.13	20.99
10	50	0		21.11	21.05	21.09
10	1	0	64-QAM	21.38	21.33	21.29
10	1	25		21.28	21.21	21.21
10	1	49		21.32	21.21	21.26
10	25	0		20.20	20.28	20.22
10	25	12		20.13	20.19	20.09
10	25	25		20.15	20.12	20.05
10	50	0		20.09	20.12	20.01
5	1	0	QPSK	23.16	23.12	23.13
5	1	12		22.99	23.11	22.93
5	1	24		23.12	22.98	23.09
5	12	0		22.13	22.21	22.18
5	12	7		22.01	22.18	21.94
5	12	13		22.00	22.05	21.96
5	25	0		22.02	22.09	22.00
5	1	0	16-QAM	22.41	22.40	22.47
5	1	12		22.35	22.45	22.21
5	1	24		22.48	22.41	22.37
5	12	0		21.27	21.22	21.18
5	12	7		21.17	21.22	21.09
5	12	13		21.12	21.05	21.02
5	25	0		21.15	21.04	21.11
5	1	0	64-QAM	21.46	21.36	21.24
5	1	12		21.22	21.26	21.20
5	1	24		21.29	21.27	21.36
5	12	0		20.22	20.23	20.24
5	12	7		20.07	20.18	20.13
5	12	13		20.10	20.08	20.14
5	25	0		20.06	20.16	20.08

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.18	23.13	23.05
3	1	8		22.97	23.10	22.95
3	1	14		23.12	23.03	23.06
3	8	0		22.17	22.14	22.12
3	8	4		21.98	22.17	21.94
3	8	7		22.07	22.03	22.00
3	15	0		22.07	22.02	22.06
3	1	0	16-QAM	22.47	22.37	22.44
3	1	8		22.40	22.39	22.16
3	1	14		22.47	22.36	22.31
3	8	0		21.20	21.22	21.17
3	8	4		21.10	21.16	21.02
3	8	7		21.05	21.07	20.98
3	15	0		21.08	21.05	21.08
3	1	0	64-QAM	21.46	21.39	21.29
3	1	8		21.26	21.22	21.19
3	1	14		21.31	21.25	21.27
3	8	0		20.29	20.30	20.26
3	8	4		20.14	20.21	20.03
3	8	7		20.15	20.06	20.07
3	15	0		20.07	20.15	20.10
1.4	1	0	QPSK	23.17	23.08	23.12
1.4	1	3		23.05	23.13	22.96
1.4	1	5		23.07	23.05	23.10
1.4	3	0		22.14	22.22	22.13
1.4	3	1		22.07	22.17	22.00
1.4	3	3		22.06	22.01	22.04
1.4	6	0		22.07	22.09	22.04
1.4	1	0	16-QAM	22.43	22.38	22.47
1.4	1	3		22.32	22.35	22.22
1.4	1	5		22.39	22.43	22.35
1.4	3	0		21.24	21.22	21.18
1.4	3	1		21.09	21.21	21.02
1.4	3	3		21.09	21.07	21.07
1.4	6	0		21.06	21.13	21.07
1.4	1	0	64-QAM	21.38	21.36	21.28
1.4	1	3		21.25	21.19	21.24
1.4	1	5		21.35	21.27	21.34
1.4	3	0		20.26	20.27	20.20
1.4	3	1		20.06	20.18	20.06
1.4	3	3		20.13	20.09	20.09
1.4	6	0		20.10	20.11	20.09

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.61**	23.56	23.46
20	1	49		23.45	23.50	23.43
20	1	99		23.59	23.44	23.45
20	50	0		22.55	22.55	22.39
20	50	24		22.42	22.49	22.36
20	50	50		22.45	22.36	22.22
20	100	0		22.55	22.53	22.38
20	1	0	16-QAM	22.91	22.84	22.68
20	1	49		22.77	22.81	22.69
20	1	99		22.94	22.83	22.77
20	50	0		21.50	21.62	21.45
20	50	24		21.47	21.56	21.39
20	50	50		21.61	21.43	21.28
20	100	0		21.54	21.60	21.38
20	1	0	64-QAM	21.84	21.75	21.75
20	1	49		21.77	21.77	21.69
20	1	99		21.80	21.73	21.76
20	50	0		20.48	20.65	20.47
20	50	24		20.49	20.59	20.44
20	50	50		20.63	20.42	20.29
20	100	0		20.59	20.61	20.45
15	1	0	QPSK	23.52	23.52	23.38
15	1	37		23.37	23.47	23.36
15	1	74		23.55	23.34	23.39
15	36	0		22.36	22.49	22.35
15	36	20		22.35	22.45	22.35
15	36	39		22.50	22.33	22.19
15	75	0		22.44	22.55	22.38
15	1	0	16-QAM	22.86	22.79	22.61
15	1	37		22.67	22.81	22.63
15	1	74		22.88	22.78	22.72
15	36	0		21.43	21.59	21.36
15	36	20		21.43	21.47	21.38
15	36	39		21.53	21.40	21.20
15	75	0		21.45	21.57	21.29
15	1	0	64-QAM	21.83	21.68	21.73
15	1	37		21.71	21.71	21.66
15	1	74		21.75	21.65	21.69
15	36	0		20.47	20.57	20.40
15	36	20		20.49	20.54	20.44
15	36	39		20.53	20.40	20.24
15	75	0		20.57	20.61	20.38

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.57	23.52	23.45
10	1	25		23.43	23.44	23.43
10	1	49		23.57	23.36	23.36
10	25	0		22.42	22.53	22.33
10	25	12		22.33	22.48	22.32
10	25	25		22.45	22.30	22.15
10	50	0		22.48	22.54	22.36
10	1	0	16-QAM	22.81	22.77	22.62
10	1	25		22.67	22.74	22.69
10	1	49		22.85	22.73	22.72
10	25	0		21.46	21.60	21.39
10	25	12		21.40	21.49	21.31
10	25	25		21.61	21.36	21.27
10	50	0		21.52	21.56	21.29
10	1	0	64-QAM	21.81	21.73	21.67
10	1	25		21.76	21.67	21.61
10	1	49		21.72	21.67	21.66
10	25	0		20.39	20.61	20.43
10	25	12		20.47	20.50	20.38
10	25	25		20.58	20.38	20.27
10	50	0		20.53	20.53	20.45
5	1	0	QPSK	23.60	23.53	23.41
5	1	12		23.42	23.46	23.36
5	1	24		23.54	23.37	23.37
5	12	0		22.36	22.55	22.38
5	12	7		22.38	22.39	22.31
5	12	13		22.55	22.36	22.15
5	25	0		22.48	22.45	22.32
5	1	0	16-QAM	22.85	22.78	22.65
5	1	12		22.76	22.72	22.61
5	1	24		22.94	22.77	22.71
5	12	0		21.50	21.60	21.37
5	12	7		21.46	21.48	21.39
5	12	13		21.58	21.37	21.20
5	25	0		21.45	21.52	21.28
5	1	0	64-QAM	21.79	21.70	21.65
5	1	12		21.73	21.71	21.61
5	1	24		21.80	21.67	21.76
5	12	0		20.40	20.61	20.46
5	12	7		20.46	20.58	20.44
5	12	13		20.61	20.32	20.22
5	25	0		20.56	20.51	20.40

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.54	23.54	23.40
3	1	8		23.40	23.46	23.37
3	1	14		23.58	23.43	23.40
3	8	0		22.37	22.53	22.38
3	8	4		22.40	22.39	22.26
3	8	7		22.47	22.29	22.14
3	15	0		22.52	22.55	22.36
3	1	0	16-QAM	22.90	22.74	22.59
3	1	8		22.67	22.71	22.63
3	1	14		22.93	22.77	22.70
3	8	0		21.50	21.61	21.43
3	8	4		21.40	21.49	21.39
3	8	7		21.56	21.36	21.22
3	15	0		21.44	21.54	21.30
3	1	0	64-QAM	21.75	21.73	21.65
3	1	8		21.75	21.75	21.64
3	1	14		21.74	21.72	21.74
3	8	0		20.47	20.55	20.45
3	8	4		20.48	20.50	20.42
3	8	7		20.58	20.40	20.24
3	15	0		20.49	20.51	20.38
1.4	1	0	QPSK	23.53	23.47	23.42
1.4	1	3		23.41	23.49	23.35
1.4	1	5		23.51	23.42	23.36
1.4	3	0		22.43	22.50	22.31
1.4	3	1		22.32	22.40	22.27
1.4	3	3		22.48	22.30	22.19
1.4	6	0		22.43	22.48	22.29
1.4	1	0	16-QAM	22.83	22.74	22.68
1.4	1	3		22.72	22.81	22.63
1.4	1	5		22.89	22.83	22.77
1.4	3	0		21.44	21.53	21.40
1.4	3	1		21.37	21.50	21.32
1.4	3	3		21.51	21.43	21.28
1.4	6	0		21.51	21.56	21.30
1.4	1	0	64-QAM	21.79	21.69	21.71
1.4	1	3		21.70	21.72	21.66
1.4	1	5		21.77	21.66	21.69
1.4	3	0		20.39	20.57	20.45
1.4	3	1		20.48	20.57	20.39
1.4	3	3		20.59	20.34	20.20
1.4	6	0		20.56	20.51	20.38

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.43	**23.44**	23.32
10	1	25		23.33	23.33	23.26
10	1	49		23.41	23.27	23.31
10	25	0		22.39	22.31	22.31
10	25	12		22.29	22.27	22.27
10	25	25		22.37	22.24	22.30
10	50	0		22.31	22.32	22.31
10	1	0	16-QAM	22.66	22.80	22.50
10	1	25		22.60	22.65	22.71
10	1	49		22.71	22.65	22.59
10	25	0		21.46	21.38	21.33
10	25	12		21.39	21.39	21.37
10	25	25		21.46	21.34	21.38
10	50	0		21.34	21.30	21.34
10	1	0	64-QAM	21.56	21.62	21.47
10	1	25		21.52	21.60	21.44
10	1	49		21.70	21.49	21.57
10	25	0		20.47	20.40	20.33
10	25	12		20.42	20.37	20.40
10	25	25		20.46	20.32	20.38
10	50	0		20.35	20.30	20.37
5	1	0	QPSK	23.32	23.43	23.20
5	1	12		23.30	23.33	23.22
5	1	24		23.43	23.23	23.30
5	12	0		22.34	22.28	22.23
5	12	7		22.21	22.22	22.27
5	12	13		22.32	22.24	22.21
5	25	0		22.25	22.18	22.25
5	1	0	16-QAM	22.58	22.74	22.50
5	1	12		22.58	22.65	22.66
5	1	24		22.64	22.57	22.51
5	12	0		21.46	21.38	21.33
5	12	7		21.34	21.37	21.29
5	12	13		21.43	21.28	21.34
5	25	0		21.24	21.25	21.30
5	1	0	64-QAM	21.49	21.59	21.40
5	1	12		21.45	21.56	21.44
5	1	24		21.61	21.42	21.50
5	12	0		20.42	20.32	20.29
5	12	7		20.41	20.30	20.40
5	12	13		20.44	20.30	20.29
5	25	0		20.35	20.29	20.37

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.41	23.43	23.16
3	1	8		23.33	23.23	23.30
3	1	14		23.34	23.23	23.21
3	8	0		22.29	22.30	22.26
3	8	4		22.28	22.27	22.25
3	8	7		22.36	22.24	22.25
3	15	0		22.22	22.24	22.23
3	1	0	16-QAM	22.60	22.73	22.43
3	1	8		22.50	22.55	22.70
3	1	14		22.63	22.56	22.57
3	8	0		21.40	21.34	21.24
3	8	4		21.38	21.38	21.35
3	8	7		21.38	21.31	21.30
3	15	0		21.27	21.21	21.24
3	1	0	64-QAM	21.54	21.52	21.47
3	1	8		21.49	21.50	21.34
3	1	14		21.70	21.45	21.48
3	8	0		20.46	20.30	20.24
3	8	4		20.41	20.27	20.38
3	8	7		20.40	20.32	20.32
3	15	0		20.35	20.29	20.35
1.4	1	0	QPSK	23.33	23.34	23.25
1.4	1	3		23.33	23.33	23.25
1.4	1	5		23.37	23.23	23.27
1.4	3	0		23.24	23.06	23.02
1.4	3	1		23.04	23.09	23.11
1.4	3	3		23.19	23.04	23.09
1.4	6	0		22.28	22.24	22.29
1.4	1	0	16-QAM	22.61	22.72	22.43
1.4	1	3		22.56	22.64	22.67
1.4	1	5		22.70	22.64	22.57
1.4	3	0		22.21	22.08	22.07
1.4	3	1		22.11	22.09	22.09
1.4	3	3		22.18	22.02	22.06
1.4	6	0		21.27	21.23	21.32
1.4	1	0	64-QAM	21.54	21.52	21.43
1.4	1	3		21.51	21.57	21.42
1.4	1	5		21.62	21.47	21.49
1.4	3	0		21.25	21.17	21.13
1.4	3	1		21.22	21.12	21.19
1.4	3	3		21.25	21.02	21.15
1.4	6	0		21.11	21.05	21.15

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.42	23.44	**23.47**
20	1	49		23.39	23.24	23.37
20	1	99		22.95	23.43	23.17
20	50	0		22.40	22.43	22.51
20	50	24		22.33	22.32	22.42
20	50	50		22.33	22.32	22.36
20	100	0		22.41	22.36	22.53
20	1	0	16-QAM	22.29	22.70	22.83
20	1	49		22.74	22.57	22.89
20	1	99		22.80	22.78	22.44
20	50	0		21.38	21.48	21.48
20	50	24		21.46	21.38	21.60
20	50	50		21.39	21.37	21.44
20	100	0		21.46	21.43	21.59
20	1	0	64-QAM	21.29	21.70	21.68
20	1	49		21.67	21.59	21.81
20	1	99		21.78	21.69	21.46
20	50	0		20.41	20.48	20.50
20	50	24		20.46	20.36	20.59
20	50	50		20.37	20.37	20.44
20	100	0		20.45	20.39	20.59
15	1	0	QPSK	22.93	23.43	23.33
15	1	37		23.35	23.19	23.46
15	1	74		23.38	23.33	23.17
15	36	0		22.33	22.36	22.41
15	36	20		22.36	22.31	22.48
15	36	39		22.27	22.31	22.27
15	75	0		22.39	22.30	22.49
15	1	0	16-QAM	22.21	22.60	22.76
15	1	37		22.69	22.55	22.86
15	1	74		22.76	22.69	22.39
15	36	0		21.34	21.38	21.43
15	36	20		21.43	21.35	21.57
15	36	39		21.37	21.35	21.38
15	75	0		21.46	21.37	21.59
15	1	0	64-QAM	21.21	21.63	21.67
15	1	37		21.62	21.50	21.80
15	1	74		21.70	21.62	21.37
15	36	0		20.31	20.43	20.46
15	36	20		20.40	20.33	20.51
15	36	39		20.35	20.37	20.37
15	75	0		20.36	20.33	20.59

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.91	23.39	23.28
10	1	25		23.31	23.14	23.43
10	1	49		23.37	23.34	23.14
10	25	0		22.30	22.36	22.34
10	25	12		22.37	22.28	22.41
10	25	25		22.23	22.28	22.34
10	50	0		22.41	22.32	22.53
10	1	0	16-QAM	22.25	22.62	22.78
10	1	25		22.69	22.56	22.88
10	1	49		22.80	22.69	22.39
10	25	0		21.34	21.44	21.39
10	25	12		21.36	21.34	21.57
10	25	25		21.36	21.37	21.44
10	50	0		21.46	21.37	21.50
10	1	0	64-QAM	21.27	21.67	21.61
10	1	25		21.61	21.59	21.73
10	1	49		21.69	21.66	21.39
10	25	0		20.34	20.48	20.48
10	25	12		20.45	20.26	20.56
10	25	25		20.32	20.29	20.37
10	50	0		20.44	20.39	20.59
5	1	0	QPSK	22.88	23.38	23.32
5	1	12		23.34	23.18	23.46
5	1	24		23.33	23.42	23.15
5	12	0		22.33	22.40	22.35
5	12	7		22.36	22.24	22.50
5	12	13		22.33	22.31	22.26
5	25	0		22.36	22.30	22.50
5	1	0	16-QAM	22.27	22.64	22.78
5	1	12		22.64	22.47	22.87
5	1	24		22.75	22.70	22.41
5	12	0		21.33	21.47	21.40
5	12	7		21.44	21.29	21.59
5	12	13		21.29	21.30	21.40
5	25	0		21.40	21.40	21.50
5	1	0	64-QAM	21.25	21.62	21.60
5	1	12		21.63	21.50	21.79
5	1	24		21.70	21.69	21.44
5	12	0		20.35	20.40	20.42
5	12	7		20.43	20.33	20.51
5	12	13		20.32	20.28	20.44
5	25	0		20.35	20.33	20.52

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.09	**23.11**	23.04
10	1	25		23.08	23.10	23.01
10	1	49		22.90	23.07	22.97
10	25	0		22.06	22.07	22.06
10	25	12		22.01	22.06	22.06
10	25	25		21.97	22.06	21.99
10	50	0		22.07	22.08	22.06
10	1	0	16-QAM	22.07	22.27	22.32
10	1	25		22.34	22.39	22.29
10	1	49		22.35	22.34	22.18
10	25	0		21.00	21.09	21.18
10	25	12		21.07	21.15	21.21
10	25	25		21.16	21.17	21.08
10	50	0		21.14	21.13	21.10
10	1	0	64-QAM	21.06	21.36	21.42
10	1	25		21.41	21.38	21.30
10	1	49		21.24	21.30	21.24
10	25	0		19.99	20.09	20.19
10	25	12		20.07	20.13	20.19
10	25	25		20.12	20.18	20.10
10	50	0		20.15	20.10	20.12
5	1	0	QPSK	22.86	23.00	23.05
5	1	12		23.00	23.10	22.95
5	1	24		23.02	22.99	22.91
5	12	0		21.87	21.96	21.98
5	12	7		21.92	22.05	22.03
5	12	13		22.02	22.04	21.98
5	25	0		21.98	21.98	22.03
5	1	0	16-QAM	22.06	22.18	22.30
5	1	12		22.26	22.30	22.25
5	1	24		22.26	22.32	22.13
5	12	0		20.94	21.05	21.17
5	12	7		21.04	21.08	21.18
5	12	13		21.13	21.15	21.01
5	25	0		21.13	21.12	21.04
5	1	0	64-QAM	21.02	21.32	21.41
5	1	12		21.33	21.35	21.30
5	1	24		21.18	21.29	21.16
5	12	0		19.96	20.07	20.18
5	12	7		20.01	20.05	20.14
5	12	13		20.04	20.13	20.08
5	25	0		20.08	20.09	20.06

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.87	22.97	23.10
3	1	8		23.05	23.09	22.98
3	1	14		23.03	22.98	22.89
3	8	0		21.82	21.95	22.05
3	8	4		22.00	22.02	22.07
3	8	7		22.00	22.06	21.95
3	15	0		22.05	22.07	21.97
3	1	0	16-QAM	22.00	22.19	22.28
3	1	8		22.28	22.36	22.21
3	1	14		22.25	22.25	22.15
3	8	0		20.96	20.99	21.08
3	8	4		21.03	21.09	21.19
3	8	7		21.11	21.13	20.99
3	15	0		21.09	21.03	21.02
3	1	0	64-QAM	21.06	21.31	21.35
3	1	8		21.33	21.31	21.30
3	1	14		21.21	21.26	21.19
3	8	0		19.90	20.08	20.13
3	8	4		20.05	20.11	20.18
3	8	7		20.03	20.08	20.04
3	15	0		20.15	20.04	20.07
1.4	1	0	QPSK	22.83	22.91	23.01
1.4	1	3		23.05	23.08	23.03
1.4	1	5		23.01	23.01	22.93
1.4	3	0		22.01	22.02	22.05
1.4	3	1		22.07	22.04	22.03
1.4	3	3		22.03	22.02	22.00
1.4	6	0		22.08	22.04	22.06
1.4	1	0	16-QAM	21.98	22.17	22.22
1.4	1	3		22.32	22.29	22.26
1.4	1	5		22.33	22.34	22.10
1.4	3	0		21.05	21.06	21.12
1.4	3	1		21.00	21.12	21.16
1.4	3	3		21.12	21.08	21.08
1.4	6	0		21.08	21.11	21.04
1.4	1	0	64-QAM	21.06	21.28	21.41
1.4	1	3		21.36	21.30	21.23
1.4	1	5		21.18	21.26	21.22
1.4	3	0		20.06	20.02	20.19
1.4	3	1		20.06	20.11	20.12
1.4	3	3		20.10	20.09	20.06
1.4	6	0		20.08	20.09	20.09

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	**23.09**	-
10	1	25			22.99	
10	1	49			22.97	
10	25	0			22.20	
10	25	12			21.98	
10	25	25			22.01	
10	50	0			22.04	
10	1	0	16-QAM		22.23	
10	1	25			22.33	
10	1	49			22.41	
10	25	0			21.13	
10	25	12			21.11	
10	25	25			21.23	
10	50	0			21.15	
10	1	0	64-QAM		21.26	
10	1	25			21.29	
10	1	49			21.38	
10	25	0			20.16	
10	25	12			20.12	
10	25	25			20.28	
10	50	0			20.15	
5	1	0	QPSK	22.94	22.88	22.95
5	1	12		22.98	22.92	22.90
5	1	24		23.00	23.08	23.08
5	12	0		22.01	21.92	21.97
5	12	7		21.91	21.93	21.96
5	12	13		22.20	22.18	22.20
5	25	0		22.02	21.97	22.02
5	1	0	16-QAM	22.19	22.14	22.14
5	1	12		22.33	22.28	22.33
5	1	24		22.34	22.31	22.35
5	12	0		21.06	21.03	21.04
5	12	7		21.02	21.06	21.01
5	12	13		21.20	21.23	21.18
5	25	0		21.15	21.05	21.12
5	1	0	64-QAM	21.21	21.19	21.25
5	1	12		21.29	21.28	21.25
5	1	24		21.30	21.28	21.36
5	12	0		20.09	20.10	20.14
5	12	7		20.02	20.04	20.05
5	12	13		20.28	20.25	20.22
5	25	0		20.06	20.08	20.06

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.11	**23.15**	23.07
10	1	25		23.10	23.11	23.06
10	1	49		22.95	22.97	22.96
10	25	0		22.08	22.08	22.09
10	25	12		22.08	22.07	22.08
10	25	25		22.05	22.06	21.99
10	50	0		22.09	22.08	22.06
10	1	0	16-QAM	22.45	22.40	22.42
10	1	25		22.40	22.40	22.37
10	1	49		22.13	22.25	22.21
10	25	0		21.18	21.18	21.19
10	25	12		21.18	21.17	21.21
10	25	25		21.17	21.10	21.10
10	50	0		21.11	21.10	21.10
10	1	0	64-QAM	21.29	21.25	21.39
10	1	25		21.34	21.37	21.35
10	1	49		21.24	21.19	21.31
10	25	0		20.16	20.17	20.16
10	25	12		20.17	20.18	20.17
10	25	25		20.15	20.06	20.09
10	50	0		20.09	20.12	20.12
5	1	0	QPSK	23.01	23.08	23.06
5	1	12		23.00	23.01	23.02
5	1	24		22.95	22.92	22.93
5	12	0		22.05	21.99	22.06
5	12	7		22.06	21.99	22.08
5	12	13		22.05	21.91	21.98
5	25	0		22.08	22.07	21.96
5	1	0	16-QAM	22.45	22.37	22.42
5	1	12		22.34	22.31	22.33
5	1	24		22.10	22.21	22.16
5	12	0		21.12	21.12	21.12
5	12	7		21.16	21.17	21.19
5	12	13		21.16	21.10	21.03
5	25	0		21.01	21.08	21.09
5	1	0	64-QAM	21.26	21.25	21.32
5	1	12		21.30	21.30	21.27
5	1	24		21.20	21.14	21.21
5	12	0		20.13	20.08	20.09
5	12	7		20.07	20.08	20.07
5	12	13		20.05	19.99	20.01
5	25	0		20.02	20.05	20.08

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.42	**23.49**	23.37
15	1	37		23.35	23.39	23.28
15	1	74		23.35	23.26	23.30
15	36	0		22.38	22.36	22.26
15	36	20		22.31	22.35	22.25
15	36	39		22.31	22.24	22.25
15	75	0		22.37	22.39	22.30
15	1	0	16-QAM	22.81	22.74	22.75
15	1	37		22.62	22.72	22.61
15	1	74		22.64	22.49	22.54
15	36	0		21.38	21.42	21.30
15	36	20		21.37	21.40	21.29
15	36	39		21.45	21.32	21.30
15	75	0		21.39	21.43	21.30
15	1	0	64-QAM	21.61	21.57	21.53
15	1	37		21.50	21.66	21.52
15	1	74		21.60	21.40	21.41
15	36	0		20.36	20.46	20.31
15	36	20		20.37	20.43	20.31
15	36	39		20.44	20.32	20.31
15	75	0		20.37	20.43	20.31
10	1	0	QPSK	23.37	23.34	23.28
10	1	25		23.31	23.31	23.18
10	1	49		23.25	23.19	23.27
10	25	0		22.30	22.36	22.16
10	25	12		22.24	22.26	22.17
10	25	25		22.38	22.24	22.22
10	50	0		22.36	22.32	22.30
10	1	0	16-QAM	22.80	22.64	22.65
10	1	25		22.60	22.68	22.55
10	1	49		22.64	22.45	22.48
10	25	0		21.35	21.42	21.29
10	25	12		21.30	21.35	21.20
10	25	25		21.38	21.22	21.25
10	50	0		21.37	21.36	21.28
10	1	0	64-QAM	21.60	21.49	21.50
10	1	25		21.46	21.61	21.51
10	1	49		21.55	21.34	21.41
10	25	0		20.34	20.38	20.25
10	25	12		20.35	20.34	20.26
10	25	25		20.37	20.31	20.21
10	50	0		20.35	20.42	20.24

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.41	23.39	23.28
5	1	12		23.25	23.36	23.26
5	1	24		23.28	23.19	23.22
5	12	0		22.23	22.34	22.18
5	12	7		22.27	22.27	22.17
5	12	13		22.32	22.17	22.20
5	25	0		22.36	22.30	22.28
5	1	0	16-QAM	22.78	22.65	22.69
5	1	12		22.53	22.67	22.58
5	1	24		22.54	22.47	22.50
5	12	0		21.33	21.35	21.21
5	12	7		21.37	21.38	21.24
5	12	13		21.45	21.24	21.29
5	25	0		21.34	21.42	21.21
5	1	0	64-QAM	21.55	21.57	21.43
5	1	12		21.40	21.61	21.42
5	1	24		21.54	21.37	21.35
5	12	0		20.35	20.40	20.27
5	12	7		20.37	20.36	20.30
5	12	13		20.41	20.30	20.22
5	25	0		20.36	20.35	20.28
3	1	0	QPSK	23.35	23.39	23.33
3	1	8		23.35	23.35	23.20
3	1	14		23.29	23.18	23.24
3	8	0		22.22	22.33	22.16
3	8	4		22.27	22.34	22.22
3	8	7		22.28	22.22	22.20
3	15	0		22.30	22.37	22.30
3	1	0	16-QAM	22.77	22.68	22.74
3	1	8		22.58	22.68	22.56
3	1	14		22.63	22.43	22.52
3	8	0		21.38	21.42	21.26
3	8	4		21.27	21.33	21.20
3	8	7		21.43	21.29	21.26
3	15	0		21.30	21.43	21.24
3	1	0	64-QAM	21.59	21.57	21.52
3	1	8		21.47	21.61	21.50
3	1	14		21.57	21.30	21.40
3	8	0		20.32	20.37	20.26
3	8	4		20.31	20.41	20.21
3	8	7		20.44	20.27	20.25
3	15	0		20.31	20.42	20.28

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.40	23.35	23.29
1.4	1	3		23.30	23.33	23.26
1.4	1	5		23.29	23.17	23.25
1.4	3	0		23.07	23.13	23.03
1.4	3	1		23.07	23.14	23.06
1.4	3	3		23.18	23.09	23.04
1.4	6	0		22.30	22.32	22.22
1.4	1	0	16-QAM	22.80	22.70	22.74
1.4	1	3		22.58	22.71	22.58
1.4	1	5		22.55	22.40	22.45
1.4	3	0		22.10	22.21	22.06
1.4	3	1		22.07	22.19	22.07
1.4	3	3		22.20	22.12	22.01
1.4	6	0		21.33	21.38	21.26
1.4	1	0	64-QAM	21.52	21.53	21.52
1.4	1	3		21.42	21.64	21.42
1.4	1	5		21.57	21.38	21.35
1.4	3	0		21.16	21.25	21.08
1.4	3	1		21.09	21.16	21.11
1.4	3	3		21.20	21.06	21.10
1.4	6	0		21.12	21.13	21.08

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.26	23.20	**23.36**
20	1	49		23.09	23.11	23.23
20	1	99		23.05	23.12	23.22
20	50	0		22.49	22.49	22.61
20	50	24		22.42	22.44	22.57
20	50	50		22.36	22.46	22.56
20	100	0		22.43	22.47	22.61
20	1	0	16-QAM	22.50	22.48	22.60
20	1	49		22.39	22.40	22.58
20	1	99		22.31	22.55	22.57
20	50	0		21.53	21.51	21.66
20	50	24		21.46	21.48	21.61
20	50	50		21.39	21.54	21.59
20	100	0		21.44	21.46	21.61
20	1	0	64-QAM	21.57	21.41	21.59
20	1	49		21.46	21.56	21.60
20	1	99		21.38	21.49	21.56
20	50	0		20.58	20.56	20.69
20	50	24		20.51	20.54	20.65
20	50	50		20.46	20.56	20.65
20	100	0		20.49	20.52	20.62
15	1	0	QPSK	23.16	23.06	23.29
15	1	37		23.02	23.09	23.19
15	1	74		23.02	23.10	23.20
15	36	0		22.46	22.40	22.59
15	36	20		22.37	22.37	22.49
15	36	39		22.30	22.41	22.53
15	75	0		22.40	22.42	22.53
15	1	0	16-QAM	22.42	22.38	22.50
15	1	37		22.33	22.34	22.56
15	1	74		22.21	22.45	22.54
15	36	0		21.53	21.51	21.66
15	36	20		21.41	21.48	21.58
15	36	39		21.30	21.49	21.57
15	75	0		21.41	21.41	21.51
15	1	0	64-QAM	21.57	21.39	21.58
15	1	37		21.38	21.53	21.59
15	1	74		21.30	21.49	21.56
15	36	0		20.54	20.46	20.69
15	36	20		20.47	20.53	20.65
15	36	39		20.46	20.48	20.65
15	75	0		20.44	20.44	20.61

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.21	23.04	23.26
10	1	25		23.08	23.11	23.20
10	1	49		22.96	23.15	23.13
10	25	0		22.41	22.45	22.59
10	25	12		22.37	22.41	22.55
10	25	25		22.27	22.42	22.55
10	50	0		22.39	22.37	22.52
10	1	0	16-QAM	22.40	22.46	22.58
10	1	25		22.39	22.36	22.49
10	1	49		22.24	22.46	22.57
10	25	0		21.46	21.43	21.65
10	25	12		21.39	21.44	21.55
10	25	25		21.34	21.47	21.55
10	50	0		21.41	21.42	21.59
10	1	0	64-QAM	21.54	21.39	21.56
10	1	25		21.39	21.47	21.56
10	1	49		21.29	21.48	21.47
10	25	0		20.56	20.54	20.67
10	25	12		20.42	20.52	20.59
10	25	25		20.36	20.53	20.65
10	50	0		20.39	20.42	20.54
5	1	0	QPSK	23.19	23.03	23.28
5	1	12		23.04	23.08	23.20
5	1	24		23.03	23.19	23.20
5	12	0		22.42	22.42	22.54
5	12	7		22.35	22.36	22.49
5	12	13		22.33	22.47	22.51
5	25	0		22.33	22.44	22.51
5	1	0	16-QAM	22.45	22.43	22.56
5	1	12		22.33	22.40	22.57
5	1	24		22.22	22.46	22.56
5	12	0		21.45	21.42	21.59
5	12	7		21.40	21.41	21.61
5	12	13		21.30	21.46	21.55
5	25	0		21.37	21.43	21.56
5	1	0	64-QAM	21.51	21.40	21.54
5	1	12		21.44	21.53	21.51
5	1	24		21.32	21.48	21.47
5	12	0		20.52	20.51	20.66
5	12	7		20.42	20.45	20.55
5	12	13		20.45	20.51	20.57
5	25	0		20.45	20.50	20.57

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.59	23.58	**23.64**
20	1	49		23.49	23.49	23.61
20	1	99		23.47	23.49	23.62
20	50	0		22.54	22.52	22.60
20	50	24		22.49	22.45	22.60
20	50	50		22.47	22.42	22.56
20	100	0		22.51	22.49	22.57
20	1	0	16-QAM	22.67	22.57	22.64
20	1	49		22.60	22.54	22.57
20	1	99		22.45	22.60	22.54
20	50	0		21.56	21.45	21.66
20	50	24		21.51	21.49	21.66
20	50	50		21.48	21.56	21.62
20	100	0		21.51	21.48	21.57
20	1	0	64-QAM	21.68	21.57	21.60
20	1	49		21.51	21.37	21.51
20	1	99		21.33	21.57	21.62
20	50	0		20.58	20.50	20.69
20	50	24		20.53	20.54	20.68
20	50	50		20.49	20.59	20.63
20	100	0		20.50	20.53	20.57
15	1	0	QPSK	23.51	23.43	23.61
15	1	37		23.39	23.48	23.51
15	1	74		23.45	23.52	23.53
15	36	0		22.47	22.35	22.50
15	36	20		22.48	22.44	22.60
15	36	39		22.39	22.45	22.49
15	75	0		22.41	22.44	22.47
15	1	0	16-QAM	22.60	22.51	22.56
15	1	37		22.50	22.45	22.48
15	1	74		22.40	22.56	22.49
15	36	0		21.50	21.41	21.59
15	36	20		21.44	21.45	21.62
15	36	39		21.39	21.51	21.57
15	75	0		21.42	21.42	21.54
15	1	0	64-QAM	21.61	21.47	21.59
15	1	37		21.48	21.36	21.51
15	1	74		21.25	21.53	21.62
15	36	0		20.53	20.50	20.59
15	36	20		20.48	20.52	20.61
15	36	39		20.43	20.59	20.57
15	75	0		20.48	20.50	20.48

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.51	23.43	23.63
10	1	25		23.39	23.45	23.61
10	1	49		23.42	23.57	23.54
10	25	0		22.44	22.35	22.57
10	25	12		22.42	22.35	22.55
10	25	25		22.39	22.47	22.47
10	50	0		22.47	22.46	22.54
10	1	0	16-QAM	22.65	22.51	22.59
10	1	25		22.56	22.45	22.57
10	1	49		22.41	22.57	22.53
10	25	0		21.47	21.42	21.61
10	25	12		21.44	21.40	21.65
10	25	25		21.46	21.53	21.58
10	50	0		21.51	21.47	21.48
10	1	0	64-QAM	21.66	21.51	21.54
10	1	25		21.51	21.28	21.42
10	1	49		21.33	21.51	21.54
10	25	0		20.57	20.43	20.67
10	25	12		20.52	20.45	20.60
10	25	25		20.45	20.57	20.59
10	50	0		20.41	20.45	20.48
5	1	0	QPSK	23.58	23.44	23.59
5	1	12		23.41	23.45	23.51
5	1	24		23.47	23.57	23.54
5	12	0		22.54	22.40	22.50
5	12	7		22.45	22.44	22.51
5	12	13		22.42	22.51	22.47
5	25	0		22.42	22.49	22.48
5	1	0	16-QAM	22.67	22.54	22.62
5	1	12		22.52	22.48	22.56
5	1	24		22.35	22.55	22.50
5	12	0		21.47	21.44	21.57
5	12	7		21.47	21.42	21.59
5	12	13		21.46	21.55	21.61
5	25	0		21.41	21.43	21.55
5	1	0	64-QAM	21.62	21.52	21.54
5	1	12		21.47	21.35	21.46
5	1	24		21.32	21.51	21.56
5	12	0		20.49	20.48	20.64
5	12	7		20.46	20.52	20.67
5	12	13		20.49	20.49	20.62
5	25	0		20.47	20.51	20.52

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	**23.61**	23.42	23.41
20	1	49		23.48	23.37	23.36
20	1	99		23.55	23.39	23.35
20	50	0		22.57	22.37	22.38
20	50	24		22.43	22.33	22.36
20	50	50		22.45	22.21	22.30
20	100	0		22.54	22.37	22.38
20	1	0	16-QAM	22.83	22.73	22.73
20	1	49		22.83	22.74	22.69
20	1	99		22.84	22.67	22.48
20	50	0		21.46	21.44	21.40
20	50	24		21.46	21.36	21.41
20	50	50		21.62	21.27	21.31
20	100	0		21.53	21.38	21.40
20	1	0	64-QAM	21.80	21.71	21.53
20	1	49		21.74	21.65	21.59
20	1	99		21.86	21.73	21.64
20	50	0		20.47	20.43	20.40
20	50	24		20.48	20.39	20.40
20	50	50		20.64	20.26	20.30
20	100	0		20.57	20.41	20.40
15	1	0	QPSK	23.56	23.31	23.29
15	1	37		23.42	23.31	23.38
15	1	74		23.51	23.40	23.32
15	36	0		22.36	22.31	22.29
15	36	20		22.39	22.26	22.35
15	36	39		22.51	22.20	22.26
15	75	0		22.48	22.37	22.34
15	1	0	16-QAM	22.78	22.71	22.66
15	1	37		22.83	22.66	22.59
15	1	74		22.76	22.66	22.44
15	36	0		21.38	21.35	21.30
15	36	20		21.43	21.34	21.33
15	36	39		21.57	21.17	21.27
15	75	0		21.43	21.37	21.40
15	1	0	64-QAM	21.77	21.61	21.47
15	1	37		21.66	21.65	21.57
15	1	74		21.79	21.65	21.64
15	36	0		20.39	20.36	20.32
15	36	20		20.44	20.38	20.39
15	36	39		20.61	20.26	20.20
15	75	0		20.55	20.35	20.37

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.52	23.31	23.31
10	1	25		23.48	23.35	23.40
10	1	49		23.49	23.35	23.31
10	25	0		22.40	22.28	22.28
10	25	12		22.42	22.30	22.38
10	25	25		22.55	22.20	22.22
10	50	0		22.44	22.35	22.35
10	1	0	16-QAM	22.76	22.69	22.68
10	1	25		22.73	22.65	22.65
10	1	49		22.79	22.60	22.39
10	25	0		21.39	21.36	21.33
10	25	12		21.38	21.33	21.37
10	25	25		21.55	21.26	21.28
10	50	0		21.47	21.32	21.36
10	1	0	64-QAM	21.74	21.70	21.49
10	1	25		21.69	21.57	21.55
10	1	49		21.85	21.64	21.61
10	25	0		20.46	20.37	20.35
10	25	12		20.44	20.37	20.37
10	25	25		20.64	20.19	20.23
10	50	0		20.49	20.35	20.39
5	1	0	QPSK	23.54	23.39	23.33
5	1	12		23.42	23.27	23.32
5	1	24		23.50	23.42	23.28
5	12	0		22.40	22.29	22.27
5	12	7		22.38	22.30	22.35
5	12	13		22.49	22.11	22.20
5	25	0		22.45	22.27	22.35
5	1	0	16-QAM	22.75	22.70	22.69
5	1	12		22.79	22.74	22.66
5	1	24		22.74	22.62	22.46
5	12	0		21.36	21.44	21.36
5	12	7		21.38	21.34	21.38
5	12	13		21.58	21.22	21.29
5	25	0		21.50	21.31	21.35
5	1	0	64-QAM	21.72	21.67	21.43
5	1	12		21.65	21.60	21.57
5	1	24		21.84	21.65	21.59
5	12	0		20.45	20.36	20.34
5	12	7		20.42	20.29	20.30
5	12	13		20.64	20.24	20.21
5	25	0		20.56	20.41	20.30

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.59	23.34	23.33
3	1	8		23.40	23.33	23.35
3	1	14		23.54	23.32	23.26
3	8	0		22.43	22.34	22.26
3	8	4		22.42	22.30	22.32
3	8	7		22.57	22.13	22.28
3	15	0		22.44	22.36	22.29
3	1	0	16-QAM	22.77	22.73	22.64
3	1	8		22.77	22.74	22.67
3	1	14		22.83	22.59	22.47
3	8	0		21.42	21.35	21.40
3	8	4		21.44	21.35	21.32
3	8	7		21.60	21.18	21.25
3	15	0		21.49	21.30	21.31
3	1	0	64-QAM	21.74	21.63	21.52
3	1	8		21.65	21.60	21.58
3	1	14		21.76	21.71	21.55
3	8	0		20.44	20.41	20.40
3	8	4		20.47	20.31	20.32
3	8	7		20.58	20.25	20.23
3	15	0		20.47	20.38	20.36
1.4	1	0	QPSK	23.54	23.34	23.32
1.4	1	3		23.41	23.32	23.32
1.4	1	5		23.48	23.40	23.30
1.4	3	0		22.40	22.32	22.31
1.4	3	1		22.37	22.27	22.31
1.4	3	3		22.48	22.17	22.24
1.4	6	0		22.46	22.34	22.32
1.4	1	0	16-QAM	22.83	22.68	22.73
1.4	1	3		22.74	22.73	22.59
1.4	1	5		22.81	22.57	22.48
1.4	3	0		21.44	21.40	21.38
1.4	3	1		21.41	21.35	21.35
1.4	3	3		21.55	21.25	21.21
1.4	6	0		21.47	21.29	21.36
1.4	1	0	64-QAM	21.70	21.62	21.45
1.4	1	3		21.67	21.55	21.59
1.4	1	5		21.80	21.64	21.62
1.4	3	0		20.37	20.40	20.32
1.4	3	1		20.45	20.33	20.33
1.4	3	3		20.57	20.22	20.20
1.4	6	0		20.57	20.32	20.34

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

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.96	0.1977	22.77	0.1892
Middle		1	3	23.23	0.2104	23.04	0.2014
Highest		1	3	23.11	0.2046	22.92	0.1959
Lowest	16QAM	1	5	22.57	0.1807	22.38	0.1730
Middle		1	5	22.36	0.1722	22.17	0.1648
Highest		1	5	22.23	0.1671	22.04	0.1600
Lowest	64QAM	1	3	21.32	0.1355	21.13	0.1297
Middle		1	3	21.48	0.1406	21.29	0.1346
Highest		1	3	21.23	0.1327	21.04	0.1271
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.11	0.2046	22.92	0.1959
Middle		1	0	23.17	0.2075	22.98	0.1986
Highest		1	0	22.95	0.1972	22.76	0.1888
Lowest	16QAM	1	14	22.58	0.1811	22.39	0.1734
Middle		1	14	22.33	0.1710	22.14	0.1637
Highest		1	14	22.24	0.1675	22.05	0.1603
Lowest	64QAM	1	8	21.32	0.1355	21.13	0.1297
Middle		1	8	21.49	0.1409	21.30	0.1349
Highest		1	8	21.24	0.1330	21.05	0.1274
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.25	0.2113	23.06	0.2023
Middle		1	24	23.02	0.2004	22.83	0.1919
Highest		1	24	22.95	0.1972	22.76	0.1888
Lowest	16QAM	1	24	22.53	0.1791	22.34	0.1714
Middle		1	24	22.39	0.1734	22.20	0.1660
Highest		1	24	22.23	0.1671	22.04	0.1600
Lowest	64QAM	1	12	21.30	0.1349	21.11	0.1291
Middle		1	12	21.47	0.1403	21.28	0.1343
Highest		1	12	21.20	0.1318	21.01	0.1262
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.12	0.2051	22.93	0.1963
Middle		1	0	23.25	0.2113	23.06	0.2023
Highest		1	0	22.99	0.1991	22.80	0.1905
Lowest	16QAM	1	49	22.57	0.1807	22.38	0.1730
Middle		1	49	22.43	0.1750	22.24	0.1675
Highest		1	49	22.24	0.1675	22.05	0.1603
Lowest	64QAM	1	25	21.28	0.1343	21.09	0.1285
Middle		1	25	21.49	0.1409	21.30	0.1349
Highest		1	25	21.25	0.1334	21.06	0.1276
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.20	0.2089	23.01	0.2000
Middle		1	74	23.01	0.2000	22.82	0.1914
Highest		1	74	22.93	0.1963	22.74	0.1879
Lowest	16QAM	1	74	22.52	0.1786	22.33	0.1710
Middle		1	74	22.35	0.1718	22.16	0.1644
Highest		1	74	22.26	0.1683	22.07	0.1611
Lowest	64QAM	1	37	21.30	0.1349	21.11	0.1291
Middle		1	37	21.52	0.1419	21.33	0.1358
Highest		1	37	21.24	0.1330	21.05	0.1274
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	23.06	0.2023
Middle		1	0	23.26	0.2118	23.07	0.2028
Highest		1	0	23.11	0.2046	22.92	0.1959
Lowest	16QAM	1	99	22.61	0.1824	22.42	0.1746
Middle		1	99	22.43	0.1750	22.24	0.1675
Highest		1	99	22.32	0.1706	22.13	0.1633
Lowest	64QAM	1	49	21.32	0.1355	21.13	0.1297
Middle		1	49	21.52	0.1419	21.33	0.1358
Highest		1	49	21.25	0.1334	21.06	0.1276
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 1.4MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	22.95	0.1972
Middle		1	0	23.08	0.2032	22.86	0.1932
Highest		1	0	23.12	0.2051	22.90	0.1950
Lowest	16QAM	1	0	22.43	0.1750	22.21	0.1663
Middle		1	0	22.38	0.1730	22.16	0.1644
Highest		1	0	22.47	0.1766	22.25	0.1679
Lowest	64QAM	1	0	21.38	0.1374	21.16	0.1306
Middle		1	0	21.36	0.1368	21.14	0.1300
Highest		1	0	21.28	0.1343	21.06	0.1276
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.18	0.2080	22.96	0.1977
Middle		1	0	23.13	0.2056	22.91	0.1954
Highest		1	0	23.05	0.2018	22.83	0.1919
Lowest	16QAM	1	0	22.47	0.1766	22.25	0.1679
Middle		1	0	22.37	0.1726	22.15	0.1641
Highest		1	0	22.44	0.1754	22.22	0.1667
Lowest	64QAM	1	0	21.46	0.1400	21.24	0.1330
Middle		1	0	21.39	0.1377	21.17	0.1309
Highest		1	0	21.29	0.1346	21.07	0.1279
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.16	0.2070	22.94	0.1968
Middle		1	0	23.12	0.2051	22.90	0.1950
Highest		1	0	23.13	0.2056	22.91	0.1954
Lowest	16QAM	1	24	22.48	0.1770	22.26	0.1683
Middle		1	24	22.41	0.1742	22.19	0.1656
Highest		1	24	22.37	0.1726	22.15	0.1641
Lowest	64QAM	1	0	21.46	0.1400	21.24	0.1330
Middle		1	0	21.36	0.1368	21.14	0.1300
Highest		1	0	21.24	0.1330	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 10MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.19	0.2084	22.97	0.1982
Middle		1	0	23.11	0.2046	22.89	0.1945
Highest		1	0	23.04	0.2014	22.82	0.1914
Lowest	16QAM	1	49	22.45	0.1758	22.23	0.1671
Middle		1	49	22.39	0.1734	22.17	0.1648
Highest		1	49	22.39	0.1734	22.17	0.1648
Lowest	64QAM	1	0	21.38	0.1374	21.16	0.1306
Middle		1	0	21.33	0.1358	21.11	0.1291
Highest		1	0	21.29	0.1346	21.07	0.1279
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	22.95	0.1972
Middle		1	0	23.06	0.2023	22.84	0.1923
Highest		1	0	23.10	0.2042	22.88	0.1941
Lowest	16QAM	1	0	22.41	0.1742	22.19	0.1656
Middle		1	0	22.34	0.1714	22.12	0.1629
Highest		1	0	22.46	0.1762	22.24	0.1675
Lowest	64QAM	1	0	21.46	0.1400	21.24	0.1330
Middle		1	0	21.35	0.1365	21.13	0.1297
Highest		1	0	21.29	0.1346	21.07	0.1279
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = -0.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.25	0.2113	23.03	0.2009
Middle		1	0	23.16	0.2070	22.94	0.1968
Highest		1	0	23.13	0.2056	22.91	0.1954
Lowest	16QAM	1	0	22.47	0.1766	22.25	0.1679
Middle		1	0	22.43	0.1750	22.21	0.1663
Highest		1	0	22.51	0.1782	22.29	0.1694
Lowest	64QAM	1	0	21.47	0.1403	21.25	0.1334
Middle		1	0	21.43	0.1390	21.21	0.1321
Highest		1	0	21.31	0.1352	21.09	0.1285
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.53	0.2254	24.79	0.3013
Middle		1	0	23.47	0.2223	24.73	0.2972
Highest		1	0	23.42	0.2198	24.68	0.2938
Lowest	16QAM	1	5	22.89	0.1945	24.15	0.2600
Middle		1	5	22.83	0.1919	24.09	0.2564
Highest		1	5	22.77	0.1892	24.03	0.2529
Lowest	64QAM	1	0	21.79	0.1510	23.05	0.2018
Middle		1	0	21.69	0.1476	22.95	0.1972
Highest		1	0	21.71	0.1483	22.97	0.1982
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	23.58	0.2280	24.84	0.3048
Middle		1	14	23.43	0.2203	24.69	0.2944
Highest		1	14	23.40	0.2188	24.66	0.2924
Lowest	16QAM	1	14	22.93	0.1963	24.19	0.2624
Middle		1	14	22.77	0.1892	24.03	0.2529
Highest		1	14	22.70	0.1862	23.96	0.2489
Lowest	64QAM	1	0	21.75	0.1496	23.01	0.2000
Middle		1	0	21.73	0.1489	22.99	0.1991
Highest		1	0	21.65	0.1462	22.91	0.1954
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.60	0.2291	24.86	0.3062
Middle		1	0	23.53	0.2254	24.79	0.3013
Highest		1	0	23.41	0.2193	24.67	0.2931
Lowest	16QAM	1	24	22.94	0.1968	24.20	0.2630
Middle		1	24	22.77	0.1892	24.03	0.2529
Highest		1	24	22.71	0.1866	23.97	0.2495
Lowest	64QAM	1	24	21.80	0.1514	23.06	0.2023
Middle		1	24	21.67	0.1469	22.93	0.1963
Highest		1	24	21.76	0.1500	23.02	0.2004
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.57	0.2275	24.83	0.3041
Middle		1	0	23.52	0.2249	24.78	0.3006
Highest		1	0	23.45	0.2213	24.71	0.2958
Lowest	16QAM	1	49	22.85	0.1928	24.11	0.2576
Middle		1	49	22.73	0.1875	23.99	0.2506
Highest		1	49	22.72	0.1871	23.98	0.2500
Lowest	64QAM	1	0	21.81	0.1517	23.07	0.2028
Middle		1	0	21.73	0.1489	22.99	0.1991
Highest		1	0	21.67	0.1469	22.93	0.1963
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.55	0.2265	24.81	0.3027
Middle		1	74	23.34	0.2158	24.60	0.2884
Highest		1	74	23.39	0.2183	24.65	0.2917
Lowest	16QAM	1	74	22.88	0.1941	24.14	0.2594
Middle		1	74	22.78	0.1897	24.04	0.2535
Highest		1	74	22.72	0.1871	23.98	0.2500
Lowest	64QAM	1	0	21.83	0.1524	23.09	0.2037
Middle		1	0	21.68	0.1472	22.94	0.1968
Highest		1	0	21.73	0.1489	22.99	0.1991
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.61	0.2296	24.87	0.3069
Middle		1	0	23.56	0.2270	24.82	0.3034
Highest		1	0	23.46	0.2218	24.72	0.2965
Lowest	16QAM	1	99	22.94	0.1968	24.20	0.2630
Middle		1	99	22.83	0.1919	24.09	0.2564
Highest		1	99	22.77	0.1892	24.03	0.2529
Lowest	64QAM	1	0	21.84	0.1528	23.10	0.2042
Middle		1	0	21.75	0.1496	23.01	0.2000
Highest		1	0	21.75	0.1496	23.01	0.2000
Limit	EIRP < 1W			Result		PASS	

LTE Band 5 / 1.4MHz (Average) (GT - LC = -1.83 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	5	23.37	0.2173	19.39	0.0869
Middle		1	5	23.23	0.2104	19.25	0.0841
Highest		1	5	23.27	0.2123	19.29	0.0849
Lowest	16QAM	1	0	22.61	0.1824	18.63	0.0729
Middle		1	0	22.72	0.1871	18.74	0.0748
Highest		1	0	22.43	0.1750	18.45	0.0700
Lowest	64QAM	1	5	21.62	0.1452	17.64	0.0581
Middle		1	5	21.47	0.1403	17.49	0.0561
Highest		1	5	21.49	0.1409	17.51	0.0564
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -1.83 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.41	0.2193	19.43	0.0877
Middle		1	0	23.43	0.2203	19.45	0.0881
Highest		1	0	23.16	0.2070	19.18	0.0828
Lowest	16QAM	1	0	22.60	0.1820	18.62	0.0728
Middle		1	0	22.73	0.1875	18.75	0.0750
Highest		1	0	22.43	0.1750	18.45	0.0700
Lowest	64QAM	1	14	21.70	0.1479	17.72	0.0592
Middle		1	14	21.45	0.1396	17.47	0.0558
Highest		1	14	21.48	0.1406	17.50	0.0562
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -1.83 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.32	0.2148	19.34	0.0859
Middle		1	0	23.43	0.2203	19.45	0.0881
Highest		1	0	23.20	0.2089	19.22	0.0836
Lowest	16QAM	1	0	22.58	0.1811	18.60	0.0724
Middle		1	0	22.74	0.1879	18.76	0.0752
Highest		1	0	22.50	0.1778	18.52	0.0711
Lowest	64QAM	1	24	21.61	0.1449	17.63	0.0579
Middle		1	24	21.42	0.1387	17.44	0.0555
Highest		1	24	21.50	0.1413	17.52	0.0565
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = -1.83 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.43	0.2203	19.45	0.0881
Middle		1	0	23.44	0.2208	19.46	0.0883
Highest		1	0	23.32	0.2148	19.34	0.0859
Lowest	16QAM	1	0	22.66	0.1845	18.68	0.0738
Middle		1	0	22.80	0.1905	18.82	0.0762
Highest		1	0	22.50	0.1778	18.52	0.0711
Lowest	64QAM	1	49	21.70	0.1479	17.72	0.0592
Middle		1	49	21.49	0.1409	17.51	0.0564
Highest		1	49	21.57	0.1435	17.59	0.0574
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	23.34	0.2158	22.82	0.1914
Middle		1.00	12.00	23.18	0.2080	22.66	0.1845
Highest		1.00	12.00	23.46	0.2218	22.94	0.1968
Lowest	16QAM	1.00	12.00	22.64	0.1837	22.12	0.1629
Middle		1.00	12.00	22.47	0.1766	21.95	0.1567
Highest		1.00	12.00	22.87	0.1936	22.35	0.1718
Lowest	64QAM	1.00	12.00	21.63	0.1455	21.11	0.1291
Middle		1.00	12.00	21.50	0.1413	20.98	0.1253
Highest		1.00	12.00	21.79	0.1510	21.27	0.1340
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	25	23.31	0.2143	22.79	0.1901
Middle		1.00	25	23.14	0.2061	22.62	0.1828
Highest		1.00	25	23.43	0.2203	22.91	0.1954
Lowest	16QAM	1.00	25	22.69	0.1858	22.17	0.1648
Middle		1.00	25	22.56	0.1803	22.04	0.1600
Highest		1.00	25	22.88	0.1941	22.36	0.1722
Lowest	64QAM	1.00	25	21.61	0.1449	21.09	0.1285
Middle		1.00	25	21.59	0.1442	21.07	0.1279
Highest		1.00	25	21.73	0.1489	21.21	0.1321
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	37.00	23.35	0.2163	22.83	0.1919
Middle		1.00	37.00	23.19	0.2084	22.67	0.1849
Highest		1.00	37.00	23.46	0.2218	22.94	0.1968
Lowest	16QAM	1.00	37.00	22.69	0.1858	22.17	0.1648
Middle		1.00	37.00	22.55	0.1799	22.03	0.1596
Highest		1.00	37.00	22.86	0.1932	22.34	0.1714
Lowest	64QAM	1.00	37.00	21.62	0.1452	21.10	0.1288
Middle		1.00	37.00	21.50	0.1413	20.98	0.1253
Highest		1.00	37.00	21.80	0.1514	21.28	0.1343
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.42	0.2198	22.90	0.1950
Middle		1.00	0.00	23.44	0.2208	22.92	0.1959
Highest		1.00	0.00	23.47	0.2223	22.95	0.1972
Lowest	16QAM	1.00	49.00	22.74	0.1879	22.22	0.1667
Middle		1.00	49.00	22.57	0.1807	22.05	0.1603
Highest		1.00	49.00	22.89	0.1945	22.37	0.1726
Lowest	64QAM	1.00	49.00	21.67	0.1469	21.15	0.1303
Middle		1.00	49.00	21.59	0.1442	21.07	0.1279
Highest		1.00	49.00	21.81	0.1517	21.29	0.1346
Limit	EIRP < 2W			Result		PASS	

LTE Band 12 / 1.4MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.05	0.2018	20.39	0.1094
Middle		1	3	23.08	0.2032	20.42	0.1102
Highest		1	3	23.03	0.2009	20.37	0.1089
Lowest	16QAM	1	5	22.33	0.1710	19.67	0.0927
Middle		1	5	22.34	0.1714	19.68	0.0929
Highest		1	5	22.10	0.1622	19.44	0.0879
Lowest	64QAM	1	0	21.06	0.1276	18.40	0.0692
Middle		1	0	21.28	0.1343	18.62	0.0728
Highest		1	0	21.41	0.1384	18.75	0.0750
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.87	0.1936	20.21	0.1050
Middle		1	0	22.97	0.1982	20.31	0.1074
Highest		1	0	23.10	0.2042	20.44	0.1107
Lowest	16QAM	1	8	22.28	0.1690	19.62	0.0916
Middle		1	8	22.36	0.1722	19.70	0.0933
Highest		1	8	22.21	0.1663	19.55	0.0902
Lowest	64QAM	1	0	21.06	0.1276	18.40	0.0692
Middle		1	0	21.31	0.1352	18.65	0.0733
Highest		1	0	21.35	0.1365	18.69	0.0740
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.00	0.1995	20.34	0.1081
Middle		1	12	23.10	0.2042	20.44	0.1107
Highest		1	12	22.95	0.1972	20.29	0.1069
Lowest	16QAM	1	24	22.26	0.1683	19.60	0.0912
Middle		1	24	22.32	0.1706	19.66	0.0925
Highest		1	24	22.13	0.1633	19.47	0.0885
Lowest	64QAM	1	0	21.02	0.1265	18.36	0.0685
Middle		1	0	21.32	0.1355	18.66	0.0735
Highest		1	0	21.41	0.1384	18.75	0.0750
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.09	0.2037	20.43	0.1104
Middle		1	0	23.11	0.2046	20.45	0.1109
Highest		1	0	23.04	0.2014	20.38	0.1091
Lowest	16QAM	1	25	22.34	0.1714	19.68	0.0929
Middle		1	25	22.39	0.1734	19.73	0.0940
Highest		1	25	22.29	0.1694	19.63	0.0918
Lowest	64QAM	1	0	21.06	0.1276	18.40	0.0692
Middle		1	0	21.36	0.1368	18.70	0.0741
Highest		1	0	21.42	0.1387	18.76	0.0752
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 5MHz (Average) (GT - LC = 1.63 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.00	0.1995	22.48	0.1770
Middle		1	24	23.08	0.2032	22.56	0.1803
Highest		1	24	23.08	0.2032	22.56	0.1803
Lowest	16QAM	1	24	22.34	0.1714	21.82	0.1521
Middle		1	24	22.31	0.1702	21.79	0.1510
Highest		1	24	22.35	0.1718	21.83	0.1524
Lowest	64QAM	1	24	21.30	0.1349	20.78	0.1197
Middle		1	24	21.28	0.1343	20.76	0.1191
Highest		1	24	21.36	0.1368	20.84	0.1213
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 1.63 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.09	0.2037	22.57	0.1807
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.41	0.1742	21.89	0.1545
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	49	21.38	0.1374	20.86	0.1219
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 5MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.01	0.2000	20.35	0.1084
Middle		1	0	23.08	0.2032	20.42	0.1102
Highest		1	0	23.06	0.2023	20.40	0.1096
Lowest	16QAM	1	0	22.45	0.1758	19.79	0.0953
Middle		1	0	22.37	0.1726	19.71	0.0935
Highest		1	0	22.42	0.1746	19.76	0.0946
Lowest	64QAM	1	0	21.26	0.1337	18.60	0.0724
Middle		1	0	21.25	0.1334	18.59	0.0723
Highest		1	0	21.32	0.1355	18.66	0.0735
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.11	0.2046	20.45	0.1109
Middle		1	0	23.15	0.2065	20.49	0.1119
Highest		1	0	23.07	0.2028	20.41	0.1099
Lowest	16QAM	1	0	22.45	0.1758	19.79	0.0953
Middle		1	0	22.40	0.1738	19.74	0.0942
Highest		1	0	22.42	0.1746	19.76	0.0946
Lowest	64QAM	1	0	21.29	0.1346	18.63	0.0729
Middle		1	0	21.25	0.1334	18.59	0.0723
Highest		1	0	21.39	0.1377	18.73	0.0746
Limit	ERP < 3W			Result		PASS	

LTE Band 41 / 5MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.58	0.2280	23.07	0.2028
Middle		1.00	0.00	23.44	0.2208	22.93	0.1963
Highest		1.00	0.00	23.59	0.2286	23.08	0.2032
Lowest	16QAM	1.00	0.00	22.67	0.1849	22.16	0.1644
Middle		1.00	0.00	22.54	0.1795	22.03	0.1596
Highest		1.00	0.00	22.62	0.1828	22.11	0.1626
Lowest	64QAM	1.00	0.00	21.62	0.1452	21.11	0.1291
Middle		1.00	0.00	21.52	0.1419	21.01	0.1262
Highest		1.00	0.00	21.54	0.1426	21.03	0.1268
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.51	0.2244	23.00	0.1995
Middle		1.00	0.00	23.43	0.2203	22.92	0.1959
Highest		1.00	0.00	23.63	0.2307	23.12	0.2051
Lowest	16QAM	1.00	0.00	22.65	0.1841	22.14	0.1637
Middle		1.00	0.00	22.51	0.1782	22.00	0.1585
Highest		1.00	0.00	22.59	0.1816	22.08	0.1614
Lowest	64QAM	1.00	0.00	21.66	0.1466	21.15	0.1303
Middle		1.00	0.00	21.51	0.1416	21.00	0.1259
Highest		1.00	0.00	21.54	0.1426	21.03	0.1268
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.51	0.2244	23.00	0.1995
Middle		1.00	0.00	23.43	0.2203	22.92	0.1959
Highest		1.00	0.00	23.61	0.2296	23.10	0.2042
Lowest	16QAM	1.00	0.00	22.60	0.1820	22.09	0.1618
Middle		1.00	0.00	22.51	0.1782	22.00	0.1585
Highest		1.00	0.00	22.56	0.1803	22.05	0.1603
Lowest	64QAM	1.00	74.00	21.25	0.1334	20.74	0.1186
Middle		1.00	74.00	21.53	0.1422	21.02	0.1265
Highest		1.00	74.00	21.62	0.1452	21.11	0.1291
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 20MHz (Average) (GT - LC = -0.51 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.59	0.2286	23.08	0.2032
Middle		1.00	0.00	23.58	0.2280	23.07	0.2028
Highest		1.00	0.00	23.64	0.2312	23.13	0.2056
Lowest	16QAM	1.00	0.00	22.67	0.1849	22.16	0.1644
Middle		1.00	0.00	22.57	0.1807	22.06	0.1607
Highest		1.00	0.00	22.64	0.1837	22.13	0.1633
Lowest	64QAM	1.00	0.00	21.68	0.1472	21.17	0.1309
Middle		1.00	0.00	21.57	0.1435	21.06	0.1276
Highest		1.00	0.00	21.60	0.1445	21.09	0.1285
Limit	EIRP < 2W			Result		PASS	

LTE Band 26 / 1.4MHz (Average) (GT - LC = -1.45 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.40	0.2188	19.80	0.0955
Middle		1	0	23.35	0.2163	19.75	0.0944
Highest		1	0	23.29	0.2133	19.69	0.0931
Lowest	16QAM	1	0	22.80	0.1905	19.20	0.0832
Middle		1	0	22.70	0.1862	19.10	0.0813
Highest		1	0	22.74	0.1879	19.14	0.0820
Lowest	64QAM	1	3	21.42	0.1387	17.82	0.0605
Middle		1	3	21.64	0.1459	18.04	0.0637
Highest		1	3	21.42	0.1387	17.82	0.0605
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = -1.45 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.35	0.2163	19.75	0.0944
Middle		1	0	23.39	0.2183	19.79	0.0953
Highest		1	0	23.33	0.2153	19.73	0.0940
Lowest	16QAM	1	0	22.77	0.1892	19.17	0.0826
Middle		1	0	22.68	0.1854	19.08	0.0809
Highest		1	0	22.74	0.1879	19.14	0.0820
Lowest	64QAM	1	8	21.47	0.1403	17.87	0.0612
Middle		1	8	21.61	0.1449	18.01	0.0632
Highest		1	8	21.50	0.1413	17.90	0.0617
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = -1.45 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.41	0.2193	19.81	0.0957
Middle		1	0	23.39	0.2183	19.79	0.0953
Highest		1	0	23.28	0.2128	19.68	0.0929
Lowest	16QAM	1	0	22.78	0.1897	19.18	0.0828
Middle		1	0	22.65	0.1841	19.05	0.0804
Highest		1	0	22.69	0.1858	19.09	0.0811
Lowest	64QAM	1	12	21.40	0.1380	17.80	0.0603
Middle		1	12	21.61	0.1449	18.01	0.0632
Highest		1	12	21.42	0.1387	17.82	0.0605
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 10MHz (Average) (GT - LC = -1.45 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.37	0.2173	19.77	0.0948
Middle		1	0	23.34	0.2158	19.74	0.0942
Highest		1	0	23.28	0.2128	19.68	0.0929
Lowest	16QAM	1	0	22.80	0.1905	19.20	0.0832
Middle		1	0	22.64	0.1837	19.04	0.0802
Highest		1	0	22.65	0.1841	19.05	0.0804
Lowest	64QAM	1	25	21.46	0.1400	17.86	0.0611
Middle		1	25	21.61	0.1449	18.01	0.0632
Highest		1	25	21.51	0.1416	17.91	0.0618
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = -1.45 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.42	0.2198	19.82	0.0959
Middle		1	0	23.49	0.2234	19.89	0.0975
Highest		1	0	23.37	0.2173	19.77	0.0948
Lowest	16QAM	1	0	22.81	0.1910	19.21	0.0834
Middle		1	0	22.74	0.1879	19.14	0.0820
Highest		1	0	22.75	0.1884	19.15	0.0822
Lowest	64QAM	1	37	21.50	0.1413	17.90	0.0617
Middle		1	37	21.66	0.1466	18.06	0.0640
Highest		1	37	21.52	0.1419	17.92	0.0619
Limit	ERP < 7W			Result		PASS	

LTE Band 38 / 5MHz (Peak) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.19	0.2084	22.67	0.1849
Middle		1.00	0.00	23.03	0.2009	22.51	0.1782
Highest		1.00	0.00	23.28	0.2128	22.76	0.1888
Lowest	16QAM	1.00	12.00	22.33	0.1710	21.81	0.1517
Middle		1.00	12.00	22.40	0.1738	21.88	0.1542
Highest		1.00	12.00	22.57	0.1807	22.05	0.1603
Lowest	64QAM	1.00	0.00	21.51	0.1416	20.99	0.1256
Middle		1.00	0.00	21.40	0.1380	20.88	0.1225
Highest		1.00	0.00	21.54	0.1426	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.21	0.2094	22.69	0.1858
Middle		1.00	0.00	23.04	0.2014	22.52	0.1786
Highest		1.00	0.00	23.26	0.2118	22.74	0.1879
Lowest	16QAM	1.00	0.00	22.40	0.1738	21.88	0.1542
Middle		1.00	0.00	22.46	0.1762	21.94	0.1563
Highest		1.00	0.00	22.58	0.1811	22.06	0.1607
Lowest	64QAM	1.00	0.00	21.54	0.1426	21.02	0.1265
Middle		1.00	0.00	21.39	0.1377	20.87	0.1222
Highest		1.00	0.00	21.56	0.1432	21.04	0.1271
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.16	0.2070	22.64	0.1837
Middle		1.00	0.00	23.06	0.2023	22.54	0.1795
Highest		1.00	0.00	23.29	0.2133	22.77	0.1892
Lowest	16QAM	1.00	37.00	22.33	0.1710	21.81	0.1517
Middle		1.00	37.00	22.34	0.1714	21.82	0.1521
Highest		1.00	37.00	22.56	0.1803	22.04	0.1600
Lowest	64QAM	1.00	37.00	21.38	0.1374	20.86	0.1219
Middle		1.00	37.00	21.53	0.1422	21.01	0.1262
Highest		1.00	37.00	21.59	0.1442	21.07	0.1279
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 20MHz (Peak) (GT - LC = -0.52 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	23.26	0.2118	22.74	0.1879
Middle		1.00	0.00	23.20	0.2089	22.68	0.1854
Highest		1.00	0.00	23.36	0.2168	22.84	0.1923
Lowest	16QAM	1.00	0.00	22.50	0.1778	21.98	0.1578
Middle		1.00	0.00	22.48	0.1770	21.96	0.1570
Highest		1.00	0.00	22.60	0.1820	22.08	0.1614
Lowest	64QAM	1.00	49.00	21.46	0.1400	20.94	0.1242
Middle		1.00	49.00	21.56	0.1432	21.04	0.1271
Highest		1.00	49.00	21.60	0.1445	21.08	0.1282
Limit	EIRP < 2W			Result		PASS	

LTE Band 66 / 1.4MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.54	0.2259	24.76	0.2992
Middle		1	0	23.34	0.2158	24.56	0.2858
Highest		1	0	23.32	0.2148	24.54	0.2844
Lowest	16QAM	1	0	22.83	0.1919	24.05	0.2541
Middle		1	0	22.68	0.1854	23.90	0.2455
Highest		1	0	22.73	0.1875	23.95	0.2483
Lowest	64QAM	1	5	21.80	0.1514	23.02	0.2004
Middle		1	5	21.64	0.1459	22.86	0.1932
Highest		1	5	21.62	0.1452	22.84	0.1923
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.59	0.2286	24.81	0.3027
Middle		1	0	23.34	0.2158	24.56	0.2858
Highest		1	0	23.33	0.2153	24.55	0.2851
Lowest	16QAM	1	14	22.83	0.1919	24.05	0.2541
Middle		1	14	22.59	0.1816	23.81	0.2404
Highest		1	14	22.47	0.1766	23.69	0.2339
Lowest	64QAM	1	14	21.76	0.1500	22.98	0.1986
Middle		1	14	21.71	0.1483	22.93	0.1963
Highest		1	14	21.55	0.1429	22.77	0.1892
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.54	0.2259	24.76	0.2992
Middle		1	0	23.39	0.2183	24.61	0.2891
Highest		1	0	23.33	0.2153	24.55	0.2851
Lowest	16QAM	1	12	22.79	0.1901	24.01	0.2518
Middle		1	12	22.74	0.1879	23.96	0.2489
Highest		1	12	22.66	0.1845	23.88	0.2443
Lowest	64QAM	1	24	21.84	0.1528	23.06	0.2023
Middle		1	24	21.65	0.1462	22.87	0.1936
Highest		1	24	21.59	0.1442	22.81	0.1910
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 10MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.52	0.2249	24.74	0.2979
Middle		1	0	23.31	0.2143	24.53	0.2838
Highest		1	0	23.31	0.2143	24.53	0.2838
Lowest	16QAM	1	49	22.79	0.1901	24.01	0.2518
Middle		1	49	22.60	0.1820	23.82	0.2410
Highest		1	49	22.39	0.1734	23.61	0.2296
Lowest	64QAM	1	49	21.85	0.1531	23.07	0.2028
Middle		1	49	21.64	0.1459	22.86	0.1932
Highest		1	49	21.61	0.1449	22.83	0.1919
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.56	0.2270	24.78	0.3006
Middle		1	0	23.31	0.2143	24.53	0.2838
Highest		1	0	23.29	0.2133	24.51	0.2825
Lowest	16QAM	1	37	22.83	0.1919	24.05	0.2541
Middle		1	37	22.66	0.1845	23.88	0.2443
Highest		1	37	22.59	0.1816	23.81	0.2404
Lowest	64QAM	1	74	21.79	0.1510	23.01	0.2000
Middle		1	74	21.65	0.1462	22.87	0.1936
Highest		1	74	21.64	0.1459	22.86	0.1932
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 1.22 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.61	0.2296	24.83	0.3041
Middle		1	0	23.42	0.2198	24.64	0.2911
Highest		1	0	23.41	0.2193	24.63	0.2904
Lowest	16QAM	1	99	22.84	0.1923	24.06	0.2547
Middle		1	99	22.67	0.1849	23.89	0.2449
Highest		1	99	22.48	0.1770	23.70	0.2344
Lowest	64QAM	1	99	21.86	0.1535	23.08	0.2032
Middle		1	99	21.73	0.1489	22.95	0.1972
Highest		1	99	21.64	0.1459	22.86	0.1932
Limit	EIRP < 1W			Result		PASS	

Radiated Spurious Emission

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	-47.11	-42.15	-4.96	-58.16	-52.20	1.19	8.43	H
	2344	-37.41	-13	-24.41	-52.54	-44.22	1.42	10.38	H
	3128	-54.28	-13	-41.28	-70.64	-61.85	1.56	11.28	H
									H
									H
	1560	-46.37	-42.15	-4.22	-57.20	-51.46	1.19	8.43	V
	2344	-43.03	-13	-30.03	-58.69	-49.84	1.42	10.38	V
	3128	-52.40	-13	-39.40	-69.01	-59.97	1.56	11.28	V
									V
									V
Middle	1568	-44.85	-42.15	-2.70	-55.81	-49.96	1.20	8.46	H
	2352	-39.04	-13	-26.04	-54.10	-45.86	1.42	10.38	H
	3136	-53.84	-13	-40.84	-70.22	-61.43	1.57	11.31	H
									H
									H
	1568	-46.74	-42.15	-4.59	-57.49	-51.85	1.20	8.46	V
	2352	-42.43	-13	-29.43	-58.03	-49.25	1.42	10.38	V
	3136	-53.93	-13	-40.93	-70.55	-61.52	1.57	11.31	V
									V
									V

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)
Highest	1576	-45.91	-42.15	-3.76	-56.79	-51.05	1.20	8.49	H
	2360	-39.78	-13	-26.78	-54.78	-46.60	1.42	10.39	H
	3144	-54.87	-13	-41.87	-71.29	-62.47	1.58	11.33	H
									H
									H
	1576	-45.96	-42.15	-3.81	-56.64	-51.10	1.20	8.49	V
	2360	-43.16	-13	-30.16	-58.70	-49.98	1.42	10.39	V
	3144	-53.39	-13	-40.39	-70.04	-60.99	1.58	11.33	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	-47.65	-13	-34.65	-58.78	-52.71	1.19	8.40	H
	2336	-40.11	-13	-27.11	-55.29	-46.92	1.41	10.37	H
	3112	-53.60	-13	-40.60	-69.88	-61.13	1.55	11.24	H
									H
									H
	1552	-46.62	-13	-33.62	-57.53	-51.68	1.19	8.40	V
	2336	-45.11	-13	-32.11	-60.83	-51.92	1.41	10.37	V
	3112	-53.44	-13	-40.44	-70	-60.97	1.55	11.24	V
									V
									V

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