FCC RADIO TEST REPORT

FCC ID	:	**PU5-TP00107A**
Equipment	:	**Notebook Computer**
Brand Name	:	**Lenovo**
Model Name	:	**TP00107A**
Applicant	:	**Wistron Corporation 21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221,Taiwan R.O.C.**
Manufacturer	:	**Wistron Corporation 21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221,Taiwan R.O.C.**
Standard	:	**47 CFR Part 2, 22(H), 24(E), 27**

Equipment: Fibocom L850-GL and Intel 9560D2W tested inside of Lenovo Notebook Computer.

The product was received on Jan. 02, 2019 and testing was started from Jan. 28, 2019 and completed on Feb. 19, 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 partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Jones Tsai

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FG910213B	01	Initial issue of report	Mar. 04, 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 7) (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 26) (Band 66)	Pass	Under limit 1.97 dB at 1560.000 MHz
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		

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: Nancy Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00107A
FCC ID	PU5-TP00107A
Sample 1	EUT with SKU 1
Sample 2	EUT with SKU 2
Sample 3	EUT with SKU 3
Sample 4	EUT with SKU 4
EUT supports Radios application	WCDMA/HSPA/LTE/GNSS WLAN a/b/g/n HT20/40 WLAN ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom L850-GL and Intel 9560D2W tested inside of Lenovo Notebook Computer.
3. All test items were performed with Sample 4.

<Sample Information>

Sample List		
SKU	**Antenna Manufacturer**	**Color**
SKU 1	Auden	Silver
SKU 2	WNC	Silver
SKU 3	Auden	Black
SKU 4	WNC	Black

Antenna Information				
WWAN				**3G&LTE (dBi)**
Antenna 1	Manufacturer	Auden	Peak gain	2.27
	Part number	025.901FP.0011	Type	PIFA
Antenna 2	Manufacturer	WNC	Peak gain	2.54
	Part number	025.901FP.0001	Type	PIFA

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 1710.7 MHz ~ 1754.3 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 26 : 869.7MHz ~ 893.3MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 2110.7 MHz ~ 2154.3 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 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz 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 : 22.95 dBm LTE Band 4 : 23.33 dBm LTE Band 5 : 22.96 dBm LTE Band 7 : 23.10 dBm LTE Band 12 : 22.68 dBm LTE Band 13 : 23.04 dBm LTE Band 17 : 22.78 dBm LTE Band 26 : 22.95 dBm LTE Band 41 : 22.68 dBm LTE Band 66 : 23.25 dBm
Type of Modulation	QPSK / 16QAM

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.
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
Test Site No.	**Sporton Site No.**
	TH05-HY
Test Engineer	Kurt Liu
Temperature	21°C
Relative Humidity	53%

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
Test Site No.	**Sporton Site No.**
	03CH10-HY
Test Engineer	Lewis Ho, Yu Wang, and Leo Liu
Temperature	23~24°C
Relative Humidity	59~60%

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

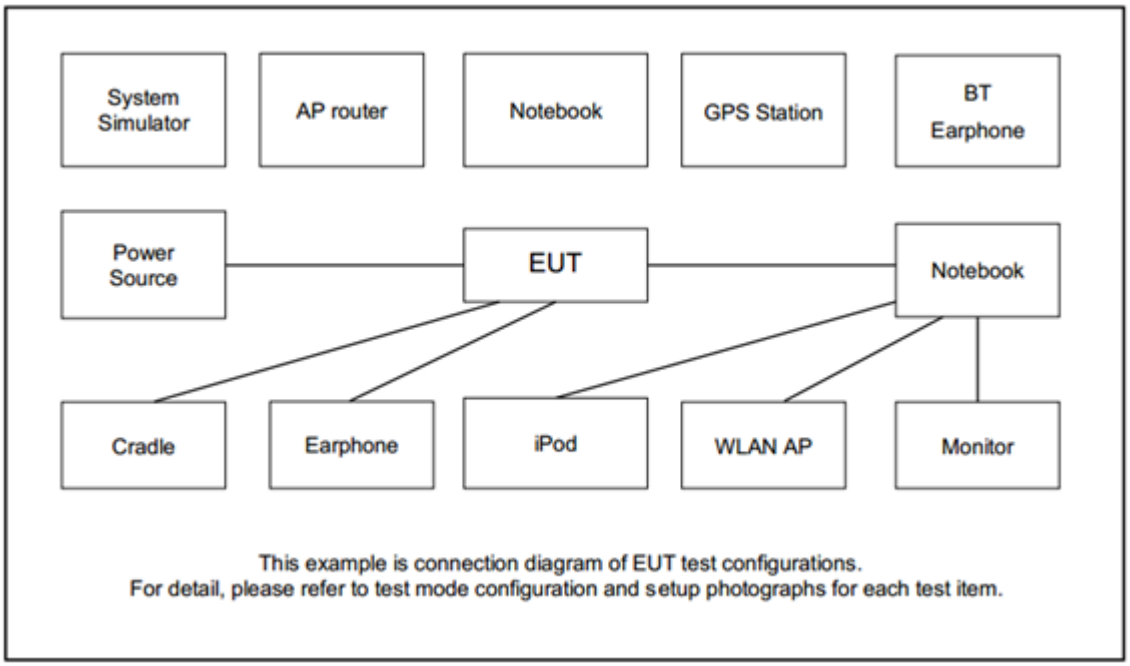
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in Notebook type and three orthogonal panels (X, Y, Z). The worst cases (Notebook type for Band 2, 4, 5, 7, 41, 26 and 66, X plane for Band 13, Y plane for Band 26, Z plane for Band 12 and 17) were recorded in this report.

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

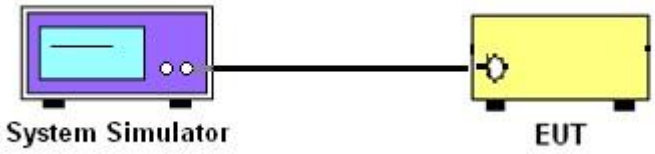
3 Conducted Test Items

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 EIRP

3.2.1 Description of the Conducted Output Power Measurement and 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 7 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.

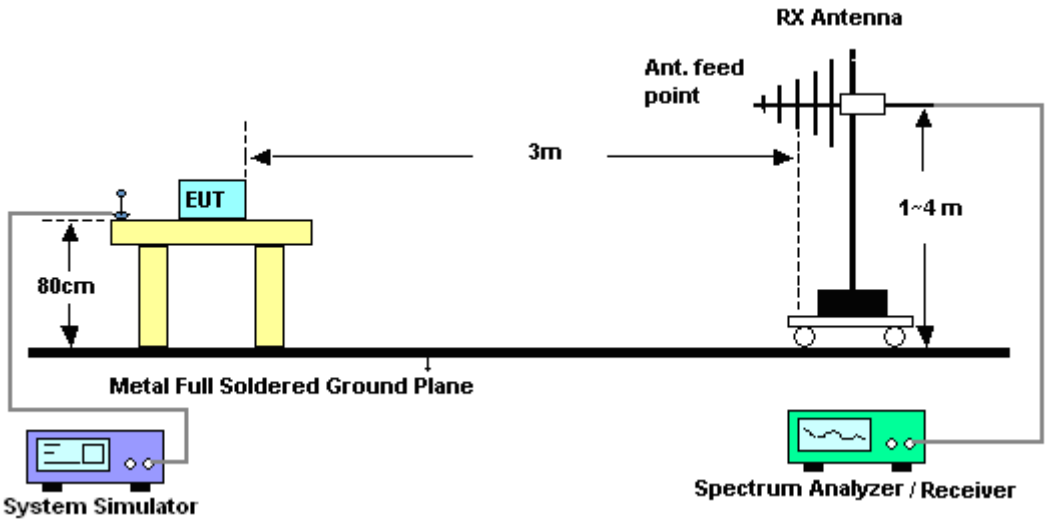
4 Radiated Test Items

4.1 Measuring Instruments

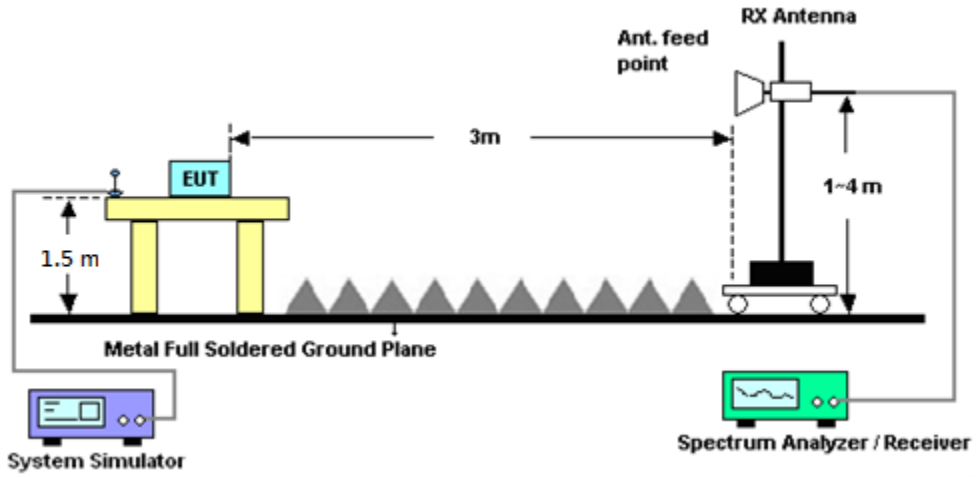
See list of measuring instruments of this test report.

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 Band 7, 41

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

For LTE Band 13

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

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

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 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)
11. For Band 7, 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	6201432821	-	Oct. 14, 2018	Feb. 19, 2019	Oct. 13, 2019	Conducted (TH05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 23, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 22, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 10, 2019	Jan. 28, 2019~ Feb. 14, 2019	Jan. 09, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 02, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 28, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 27, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Apr. 17, 2018	Jan. 28, 2019~ Feb. 14, 2019	Apr. 16, 2019	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Nov. 02, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 19, 2019	Jan. 28, 2019~ Feb. 14, 2019	Jan. 18, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 08, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 07, 2019	Radiation (03CH10-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))	**3.17**

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))	**4.00**

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	**22.95**	22.86	22.88
20	1	49		22.65	22.78	22.51
20	1	99		22.74	22.83	22.73
20	50	0		21.78	21.77	21.65
20	50	24		21.67	21.73	21.49
20	50	50		21.66	21.75	21.63
20	100	0		21.92	21.85	21.74
20	1	0	16-QAM	22.00	21.88	21.92
20	1	49		21.78	21.91	21.54
20	1	99		21.97	21.96	21.84
20	50	0		20.82	20.79	20.64
20	50	24		20.71	20.82	20.53
20	50	50		20.69	20.85	20.70
20	100	0		20.81	20.95	20.82
15	1	0	QPSK	22.87	22.68	22.65
15	1	37		22.79	22.76	22.60
15	1	74		22.67	22.86	22.66
15	36	0		21.82	21.70	21.52
15	36	20		21.76	21.76	21.58
15	36	39		21.65	21.82	21.61
15	75	0		21.78	21.79	21.70
15	1	0	16-QAM	22.00	21.89	21.74
15	1	37		22.00	21.85	21.62
15	1	74		21.96	22.00	21.78
15	36	0		20.86	20.79	20.58
15	36	20		20.82	20.85	20.65
15	36	39		20.68	20.91	20.65
15	75	0		20.81	20.85	20.73

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.90	22.75	22.59
10	1	25		22.78	22.79	22.57
10	1	49		22.65	**22.95**	22.74
10	25	0		21.89	21.78	21.64
10	25	12		21.83	21.81	21.66
10	25	25		21.78	21.87	21.70
10	50	0		21.82	21.80	21.65
10	1	0	16-QAM	22.00	22.00	21.72
10	1	25		22.00	21.92	21.79
10	1	49		21.85	22.00	21.92
10	25	0		20.93	20.86	20.64
10	25	12		20.91	20.88	20.65
10	25	25		20.87	20.93	20.76
10	50	0		20.90	20.84	20.72
5	1	0	QPSK	22.86	22.64	22.59
5	1	12		22.76	22.76	22.55
5	1	24		22.59	22.82	22.58
5	12	0		21.82	21.63	21.52
5	12	7		21.76	21.67	21.51
5	12	13		21.63	21.75	21.52
5	25	0		21.76	21.69	21.70
5	1	0	16-QAM	22.00	21.81	21.73
5	1	12		22.00	21.83	21.60
5	1	24		21.94	22.00	21.74
5	12	0		20.79	20.77	20.54
5	12	7		20.77	20.81	20.62
5	12	13		20.67	20.85	20.56
5	25	0		20.79	20.75	20.66

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.77	22.55	22.51
3	1	8		22.70	22.62	22.54
3	1	14		22.61	22.67	22.54
3	8	0		21.72	21.64	21.49
3	8	4		21.70	21.72	21.48
3	8	7		21.52	21.67	21.48
3	15	0		21.66	21.66	21.57
3	1	0	16-QAM	22.00	21.82	21.60
3	1	8		21.92	21.81	21.52
3	1	14		21.82	22.00	21.69
3	8	0		20.78	20.71	20.55
3	8	4		20.72	20.76	20.63
3	8	7		20.58	20.78	20.57
3	15	0		20.78	20.74	20.64
1.4	1	0	QPSK	22.67	22.54	22.42
1.4	1	3		22.66	22.61	22.50
1.4	1	5		22.51	22.84	22.46
1.4	3	0		21.69	21.56	21.43
1.4	3	1		21.65	21.62	21.44
1.4	3	3		21.58	21.66	21.45
1.4	6	0		21.52	21.59	21.47
1.4	1	0	16-QAM	22.00	21.67	21.63
1.4	1	3		21.88	21.69	21.54
1.4	1	5		21.81	21.96	21.67
1.4	3	0		20.82	20.68	20.41
1.4	3	1		20.75	20.76	20.51
1.4	3	3		20.48	20.72	20.49
1.4	6	0		20.62	20.82	20.66

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.19	**23.33**	23.25
20	1	49		23.25	23.15	22.84
20	1	99		23.22	22.85	22.88
20	50	0		22.18	22.34	21.85
20	50	24		22.29	22.17	21.83
20	50	50		22.33	21.96	21.80
20	100	0		22.28	22.38	21.99
20	1	0	16-QAM	22.17	22.41	22.17
20	1	49		22.41	22.25	21.99
20	1	99		22.45	22.06	22.07
20	50	0		21.20	21.25	20.94
20	50	24		21.31	21.19	20.91
20	50	50		21.33	20.99	20.88
20	100	0		21.45	21.21	21.07
15	1	0	QPSK	23.00	23.28	22.88
15	1	37		23.17	23.10	22.79
15	1	74		23.31	22.89	22.81
15	36	0		22.10	22.18	21.85
15	36	20		22.19	22.09	21.78
15	36	39		22.33	21.95	21.87
15	75	0		22.26	22.08	21.83
15	1	0	16-QAM	22.09	22.37	22.03
15	1	37		22.35	22.16	21.89
15	1	74		22.44	21.97	22.02
15	36	0		21.21	21.23	20.93
15	36	20		21.25	21.19	20.87
15	36	39		21.36	21.06	20.96
15	75	0		21.27	21.16	20.90

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.04	23.25	22.87
10	1	25		23.11	23.10	22.81
10	1	49		**23.33**	22.96	22.90
10	25	0		22.16	22.26	21.85
10	25	12		22.16	22.23	21.87
10	25	25		22.21	22.11	21.95
10	50	0		22.15	22.13	21.87
10	1	0	16-QAM	22.13	22.41	22.07
10	1	25		22.30	22.28	21.98
10	1	49		22.41	22.26	22.07
10	25	0		21.22	21.32	20.93
10	25	12		21.21	21.28	20.92
10	25	25		21.24	21.18	20.97
10	50	0		21.17	21.16	20.89
5	1	0	QPSK	22.94	23.22	22.79
5	1	12		23.07	23.06	22.71
5	1	24		23.25	22.87	22.73
5	12	0		22.03	22.10	21.85
5	12	7		22.13	21.99	21.75
5	12	13		22.33	21.95	21.79
5	25	0		22.26	22.04	21.80
5	1	0	16-QAM	22.07	22.28	22.03
5	1	12		22.27	22.11	21.87
5	1	24		22.41	21.96	22.01
5	12	0		21.12	21.17	20.85
5	12	7		21.22	21.13	20.80
5	12	13		21.26	21.02	20.96
5	25	0		21.22	21.08	20.83

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.86	23.19	22.71
3	1	8		23.08	22.99	22.65
3	1	14		23.16	22.79	22.71
3	8	0		22.04	22.05	21.75
3	8	4		22.12	21.94	21.70
3	8	7		22.16	21.79	21.75
3	15	0		22.10	21.93	21.68
3	1	0	16-QAM	22.00	22.31	21.95
3	1	8		22.23	22.08	21.79
3	1	14		22.32	21.88	21.96
3	8	0		21.06	21.10	20.84
3	8	4		21.07	21.03	20.82
3	8	7		21.17	21.01	20.91
3	15	0		21.17	21.06	20.81
1.4	1	0	QPSK	22.85	23.13	22.73
1.4	1	3		23.03	22.97	22.62
1.4	1	5		23.04	22.71	22.67
1.4	3	0		21.91	22.02	21.71
1.4	3	1		21.99	21.91	21.63
1.4	3	3		22.21	21.83	21.60
1.4	6	0		22.19	21.90	21.67
1.4	1	0	16-QAM	21.86	22.16	21.75
1.4	1	3		22.26	21.93	21.79
1.4	1	5		22.29	21.87	21.85
1.4	3	0		21.09	20.97	20.72
1.4	3	1		21.13	21.09	20.69
1.4	3	3		21.17	20.97	20.90
1.4	6	0		21.23	20.95	20.72

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.72	**22.96**	22.86
10	1	25		22.69	22.85	22.83
10	1	49		22.77	22.91	22.90
10	25	0		21.81	21.97	21.89
10	25	12		21.78	21.90	21.83
10	25	25		21.85	21.96	21.96
10	50	0		21.82	21.98	21.90
10	1	0	16-QAM	21.96	22.00	22.00
10	1	25		21.82	21.97	21.93
10	1	49		22.00	21.93	21.95
10	25	0		20.85	20.97	20.94
10	25	12		20.81	20.94	20.96
10	25	25		20.89	20.99	21.00
10	50	0		20.82	20.99	20.99
5	1	0	QPSK	22.71	22.80	**22.96**
5	1	12		22.62	22.82	22.73
5	1	24		22.67	22.84	22.81
5	12	0		21.76	21.90	21.82
5	12	7		21.72	21.82	21.79
5	12	13		21.85	21.87	21.94
5	25	0		21.82	21.92	21.96
5	1	0	16-QAM	21.95	21.92	21.96
5	1	12		21.79	21.94	21.87
5	1	24		21.97	21.91	21.92
5	12	0		20.82	20.87	20.89
5	12	7		20.74	20.91	20.86
5	12	13		20.81	20.92	20.92
5	25	0		20.80	20.89	20.96

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.64	22.73	22.81
3	1	8		22.59	22.70	22.81
3	1	14		22.75	22.72	22.81
3	8	0		21.69	21.90	21.84
3	8	4		21.61	21.79	21.66
3	8	7		21.72	21.82	21.96
3	15	0		21.77	21.75	21.84
3	1	0	16-QAM	21.90	21.93	21.94
3	1	8		21.76	21.82	21.79
3	1	14		21.85	21.79	21.85
3	8	0		20.85	20.84	20.78
3	8	4		20.73	20.79	20.85
3	8	7		20.82	20.90	20.90
3	15	0		20.72	20.93	20.91
1.4	1	0	QPSK	22.46	22.65	22.76
1.4	1	3		22.56	22.70	22.57
1.4	1	5		22.67	22.77	22.78
1.4	3	0		21.64	21.73	21.81
1.4	3	1		21.64	21.78	21.79
1.4	3	3		21.72	21.77	21.81
1.4	6	0		21.61	21.74	21.85
1.4	1	0	16-QAM	21.82	21.80	21.92
1.4	1	3		21.56	21.87	21.69
1.4	1	5		21.79	21.80	21.88
1.4	3	0		20.73	20.88	20.86
1.4	3	1		20.68	20.74	20.80
1.4	3	3		20.72	20.81	20.83
1.4	6	0		20.67	20.84	20.79

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.89	**23.10**	22.96
20	1	49		22.81	23.03	22.70
20	1	99		22.79	22.91	22.73
20	50	0		21.86	22.12	21.95
20	50	24		21.89	22.10	21.88
20	50	50		21.96	22.01	21.81
20	100	0		22.03	22.19	22.00
20	1	0	16-QAM	21.88	22.24	22.14
20	1	49		21.78	22.24	21.82
20	1	99		21.99	22.07	21.94
20	50	0		20.90	21.13	21.01
20	50	24		20.93	21.14	20.91
20	50	50		21.00	21.02	20.85
20	100	0		21.08	21.22	21.00
15	1	0	QPSK	22.76	23.07	22.83
15	1	37		22.83	23.00	22.76
15	1	74		22.85	22.98	22.67
15	36	0		21.86	22.17	21.89
15	36	20		21.94	22.12	21.87
15	36	39		21.93	22.05	21.83
15	75	0		21.98	22.12	21.90
15	1	0	16-QAM	21.78	22.22	21.87
15	1	37		21.96	22.23	21.79
15	1	74		21.91	22.03	21.84
15	36	0		20.94	21.17	20.97
15	36	20		21.01	21.16	20.94
15	36	39		20.99	21.08	20.88
15	75	0		21.01	21.16	20.93

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.81	**23.10**	22.87
10	1	25		22.80	23.03	22.78
10	1	49		22.94	22.99	22.83
10	25	0		21.92	22.21	22.02
10	25	12		21.94	22.21	21.88
10	25	25		22.03	22.18	21.90
10	50	0		21.95	22.15	21.90
10	1	0	16-QAM	21.85	22.23	22.05
10	1	25		21.86	22.12	21.76
10	1	49		22.04	22.17	21.87
10	25	0		20.99	21.25	20.98
10	25	12		21.00	21.25	20.90
10	25	25		21.06	21.23	20.92
10	50	0		20.92	21.17	20.88
5	1	0	QPSK	22.74	23.02	22.80
5	1	12		22.76	22.90	22.73
5	1	24		22.80	22.97	22.63
5	12	0		21.81	22.09	21.81
5	12	7		21.93	22.07	21.81
5	12	13		21.84	22.02	21.77
5	25	0		21.95	22.09	21.81
5	1	0	16-QAM	21.72	22.16	21.77
5	1	12		21.92	22.15	21.71
5	1	24		21.81	21.94	21.74
5	12	0		20.88	21.17	20.88
5	12	7		20.91	21.13	20.90
5	12	13		20.95	21.05	20.88
5	25	0		20.92	21.12	20.91

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.49	**22.68**	22.65
10	1	25		22.49	22.59	22.57
10	1	49		22.43	**22.68**	22.66
10	25	0		21.64	21.70	21.55
10	25	12		21.65	21.68	21.57
10	25	25		21.60	21.58	21.65
10	50	0		21.59	21.78	21.70
10	1	0	16-QAM	21.79	21.83	21.90
10	1	25		21.89	21.80	21.87
10	1	49		21.68	21.82	21.89
10	25	0		20.77	20.71	20.69
10	25	12		20.75	20.76	20.70
10	25	25		20.73	20.70	20.82
10	50	0		20.67	20.76	20.88
5	1	0	QPSK	22.40	22.58	22.63
5	1	12		22.46	22.51	22.54
5	1	24		22.43	22.62	22.61
5	12	0		21.56	21.65	21.52
5	12	7		21.64	21.60	21.57
5	12	13		21.50	21.57	21.62
5	25	0		21.53	21.70	21.74
5	1	0	16-QAM	21.69	21.76	21.85
5	1	12		21.82	21.77	21.79
5	1	24		21.63	21.76	21.86
5	12	0		20.74	20.66	20.69
5	12	7		20.71	20.69	20.64
5	12	13		20.70	20.69	20.80
5	25	0		20.59	20.70	20.86

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.41	22.47	22.57
3	1	8		22.41	22.50	22.56
3	1	14		22.40	22.58	22.58
3	8	0		21.52	21.53	21.52
3	8	4		21.59	21.55	21.54
3	8	7		21.53	21.48	21.61
3	15	0		21.48	21.51	21.66
3	1	0	16-QAM	21.71	21.72	21.78
3	1	8		21.85	21.64	21.84
3	1	14		21.58	21.71	21.79
3	8	0		20.59	20.54	20.60
3	8	4		20.68	20.66	20.54
3	8	7		20.65	20.65	20.65
3	15	0		20.57	20.65	20.80
1.4	1	0	QPSK	22.32	22.41	22.43
1.4	1	3		22.35	22.47	22.38
1.4	1	5		22.39	22.50	22.56
1.4	3	0		21.45	21.47	21.42
1.4	3	1		21.51	21.46	21.43
1.4	3	3		21.37	21.37	21.61
1.4	6	0		21.46	21.55	21.60
1.4	1	0	16-QAM	21.61	21.76	21.74
1.4	1	3		21.70	21.64	21.68
1.4	1	5		21.58	21.67	21.63
1.4	3	0		20.72	20.57	20.62
1.4	3	1		20.62	20.58	20.54
1.4	3	3		20.55	20.54	20.73
1.4	6	0		20.53	20.64	20.70

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	**23.04**	-
10	1	25			22.88	
10	1	49			22.98	
10	25	0			22.03	
10	25	12			21.90	
10	25	25			22.02	
10	50	0			22.03	
10	1	0	16-QAM		22.21	
10	1	25			22.19	
10	1	49			22.18	
10	25	0			21.10	
10	25	12			20.95	
10	25	25			21.11	
10	50	0			21.07	
5	1	0	QPSK	22.95	22.89	22.85
5	1	12		22.87	22.80	22.80
5	1	24		22.94	22.92	22.92
5	12	0		22.00	21.97	21.89
5	12	7		21.85	21.79	21.77
5	12	13		21.97	21.90	21.79
5	25	0		21.98	21.89	21.96
5	1	0	16-QAM	22.12	22.09	22.16
5	1	12		22.09	22.07	22.04
5	1	24		22.10	22.08	22.03
5	12	0		21.04	21.00	21.03
5	12	7		20.90	20.86	20.83
5	12	13		21.10	20.96	20.92
5	25	0		20.97	20.94	20.90

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.72	**22.78**	22.76
10	1	25		22.48	22.50	22.59
10	1	49		22.62	22.65	22.70
10	25	0		21.75	21.76	21.61
10	25	12		21.56	21.56	21.58
10	25	25		21.63	21.73	21.68
10	50	0		21.70	21.79	21.75
10	1	0	16-QAM	21.90	21.85	21.88
10	1	25		21.79	21.81	21.81
10	1	49		21.92	21.95	21.98
10	25	0		20.79	20.78	20.73
10	25	12		20.69	20.71	20.72
10	25	25		20.75	20.83	20.76
10	50	0		20.69	20.74	20.83
5	1	0	QPSK	22.59	22.58	22.59
5	1	12		22.57	22.49	22.57
5	1	24		22.47	22.66	22.65
5	12	0		21.55	21.54	21.65
5	12	7		21.61	21.51	21.56
5	12	13		21.59	21.57	21.63
5	25	0		21.63	21.52	21.63
5	1	0	16-QAM	21.77	21.83	21.92
5	1	12		21.89	21.71	21.80
5	1	24		21.76	21.91	21.91
5	12	0		20.62	20.62	20.67
5	12	7		20.67	20.61	20.58
5	12	13		20.70	20.68	20.62
5	25	0		20.68	20.65	20.60

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.68	**22.95**	22.85
15	1	37		22.64	22.73	22.81
15	1	74		22.63	22.81	22.83
15	36	0		21.75	21.95	21.91
15	36	20		21.76	21.80	21.89
15	36	39		21.65	21.79	21.76
15	75	0		21.88	21.96	21.91
15	1	0	16-QAM	21.68	21.89	22.00
15	1	37		21.88	21.91	21.90
15	1	74		21.89	21.95	21.94
15	36	0		20.85	20.73	20.98
15	36	20		20.87	20.83	20.94
15	36	39		20.76	20.91	20.91
15	75	0		20.97	20.95	20.96
10	1	0	QPSK	22.60	22.77	**22.95**
10	1	25		22.71	22.80	22.81
10	1	49		22.76	22.84	22.88
10	25	0		21.78	21.82	21.90
10	25	12		21.81	21.90	21.83
10	25	25		21.83	21.89	21.99
10	50	0		21.80	21.92	21.98
10	1	0	16-QAM	21.80	21.96	21.91
10	1	25		21.89	21.99	21.97
10	1	49		21.96	21.95	21.92
10	25	0		20.86	20.89	20.92
10	25	12		20.93	20.97	20.92
10	25	25		20.93	20.97	21.00
10	50	0		20.84	20.97	21.00

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.41	22.60	22.77
5	1	12		22.63	22.63	22.75
5	1	24		22.59	22.81	22.79
5	12	0		21.67	21.63	21.90
5	12	7		21.69	21.76	21.85
5	12	13		21.55	21.73	21.89
5	25	0		21.81	21.92	21.83
5	1	0	16-QAM	21.67	21.82	21.94
5	1	12		21.87	21.86	21.89
5	1	24		21.88	21.87	21.89
5	12	0		20.80	20.71	20.97
5	12	7		20.78	20.83	20.91
5	12	13		20.68	20.83	20.89
5	25	0		20.95	20.91	20.89
3	1	0	QPSK	22.27	22.60	22.65
3	1	8		22.58	22.60	22.64
3	1	14		22.49	22.66	22.69
3	8	0		21.65	21.64	21.87
3	8	4		21.64	21.69	21.85
3	8	7		21.56	21.67	21.85
3	15	0		21.80	21.81	21.77
3	1	0	16-QAM	21.63	21.74	21.88
3	1	8		21.79	21.79	21.83
3	1	14		21.79	21.81	21.83
3	8	0		20.76	20.62	20.83
3	8	4		20.78	20.71	20.78
3	8	7		20.69	20.74	20.88
3	15	0		20.87	20.91	20.86

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.41	22.70	22.74
1.4	1	3		22.60	22.64	22.79
1.4	1	5		22.58	22.79	22.78
1.4	3	0		21.71	21.65	21.85
1.4	3	1		21.71	21.75	21.86
1.4	3	3		21.63	21.70	21.88
1.4	6	0		21.84	21.91	21.88
1.4	1	0	16-QAM	21.61	21.83	21.92
1.4	1	3		21.78	21.83	21.80
1.4	1	5		21.79	21.94	21.84
1.4	3	0		20.77	20.67	20.90
1.4	3	1		20.87	20.74	20.89
1.4	3	3		20.70	20.85	20.84
1.4	6	0		20.89	20.92	20.93

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.42	22.53	**22.68**
20	1	49		22.18	22.52	22.65
20	1	99		22.41	22.48	22.67
20	50	0		21.33	21.46	21.55
20	50	24		21.09	21.45	21.51
20	50	50		21.18	21.45	21.53
20	100	0		21.43	21.47	21.56
20	1	0	16-QAM	21.34	21.91	21.96
20	1	49		21.40	21.83	21.88
20	1	99		21.63	21.79	21.89
20	50	0		20.12	20.63	20.72
20	50	24		20.18	20.60	20.72
20	50	50		20.29	20.61	20.74
20	100	0		20.30	20.55	20.65
15	1	0	QPSK	22.11	22.48	22.50
15	1	37		22.07	22.41	22.49
15	1	74		22.17	22.39	22.40
15	36	0		21.07	21.47	21.58
15	36	20		21.11	21.46	21.59
15	36	39		21.15	21.44	21.57
15	75	0		21.13	21.43	21.55
15	1	0	16-QAM	21.27	21.85	21.88
15	1	37		21.35	21.81	21.85
15	1	74		21.45	21.80	21.77
15	36	0		20.10	20.59	20.67
15	36	20		20.14	20.58	20.68
15	36	39		20.21	20.57	20.67
15	75	0		20.17	20.51	20.60

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.11	22.56	22.67
10	1	25		22.10	22.50	22.64
10	1	49		22.19	22.52	22.52
10	25	0		21.05	21.45	21.55
10	25	12		21.06	21.43	21.54
10	25	25		21.09	21.42	21.53
10	50	0		21.01	21.42	21.60
10	1	0	16-QAM	21.32	21.83	21.91
10	1	25		21.33	21.77	21.87
10	1	49		21.42	21.77	21.81
10	25	0		20.27	20.67	20.78
10	25	12		20.28	20.67	20.76
10	25	25		20.30	20.70	20.77
10	50	0		20.10	20.58	20.72
5	1	0	QPSK	22.05	22.48	22.58
5	1	12		22.04	22.45	22.57
5	1	24		22.11	22.49	22.57
5	12	0		20.98	21.39	21.54
5	12	7		20.97	21.38	21.53
5	12	13		20.98	21.37	21.52
5	25	0		21.00	21.36	21.46
5	1	0	16-QAM	21.25	21.71	21.82
5	1	12		21.24	21.68	21.79
5	1	24		21.29	21.71	21.74
5	12	0		20.14	20.50	20.61
5	12	7		20.17	20.54	20.59
5	12	13		20.18	20.54	20.59
5	25	0		20.18	20.59	20.63

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.06	**23.25**	23.16
20	1	49		23.17	22.79	22.63
20	1	99		23.20	22.86	22.77
20	50	0		22.12	22.25	21.83
20	50	24		22.24	21.86	21.69
20	50	50		21.94	21.84	21.69
20	100	0		22.16	22.26	21.92
20	1	0	16-QAM	22.28	22.33	22.19
20	1	49		22.39	21.99	21.83
20	1	99		22.45	22.07	21.94
20	50	0		21.03	20.85	20.77
20	50	24		21.16	20.78	20.63
20	50	50		21.16	20.73	20.60
20	100	0		21.39	21.01	20.90
15	1	0	QPSK	22.98	22.98	22.88
15	1	37		23.10	22.82	22.62
15	1	74		23.10	22.78	22.77
15	36	0		22.03	21.84	21.67
15	36	20		22.14	21.80	21.65
15	36	39		22.26	21.74	21.65
15	75	0		22.27	21.92	21.82
15	1	0	16-QAM	22.37	22.24	21.98
15	1	37		22.45	22.23	21.92
15	1	74		22.05	22.01	22.08
15	36	0		20.98	20.83	20.63
15	36	20		21.08	20.82	20.59
15	36	39		21.20	20.72	20.58
15	75	0		21.22	20.94	20.74

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.93	22.95	22.73
10	1	25		23.08	22.89	22.66
10	1	49		**23.25**	22.85	22.82
10	25	0		21.96	21.84	21.57
10	25	12		21.92	21.80	21.54
10	25	25		22.03	21.79	21.64
10	50	0		22.12	21.92	21.76
10	1	0	16-QAM	22.12	22.14	21.90
10	1	25		22.37	22.07	21.93
10	1	49		22.44	22.00	22.11
10	25	0		20.90	20.76	20.48
10	25	12		20.89	20.71	20.46
10	25	25		20.98	20.72	20.58
10	50	0		21.10	20.86	20.74
5	1	0	QPSK	22.95	22.93	22.88
5	1	12		23.00	22.78	22.57
5	1	24		23.21	22.68	22.70
5	12	0		21.96	21.81	21.60
5	12	7		22.10	21.78	21.57
5	12	13		22.22	21.71	21.62
5	25	0		22.23	21.88	21.75
5	1	0	16-QAM	22.28	22.14	21.89
5	1	12		22.38	22.19	21.91
5	1	24		21.97	21.93	21.99
5	12	0		20.96	20.73	20.59
5	12	7		21.00	20.76	20.51
5	12	13		21.15	20.65	20.54
5	25	0		21.14	20.87	20.68

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.95	22.88	22.81
3	1	8		23.03	22.78	22.58
3	1	14		23.21	22.68	22.69
3	8	0		22.02	21.78	21.61
3	8	4		22.09	21.70	21.55
3	8	7		22.17	21.65	21.63
3	15	0		22.23	21.92	21.79
3	1	0	16-QAM	22.29	22.19	21.96
3	1	8		22.43	22.20	21.88
3	1	14		21.99	21.97	22.02
3	8	0		20.96	20.76	20.62
3	8	4		21.08	20.78	20.53
3	8	7		21.19	20.68	20.53
3	15	0		21.16	20.84	20.64
1.4	1	0	QPSK	22.95	22.92	22.87
1.4	1	3		23.01	22.75	22.52
1.4	1	5		23.24	22.75	22.73
1.4	3	0		21.94	21.80	21.61
1.4	3	1		22.06	21.70	21.61
1.4	3	3		22.20	21.65	21.59
1.4	6	0		22.17	21.82	21.74
1.4	1	0	16-QAM	22.27	22.23	21.89
1.4	1	3		22.45	22.21	21.89
1.4	1	5		22.01	21.93	22.05
1.4	3	0		20.88	20.80	20.59
1.4	3	1		21.02	20.79	20.52
1.4	3	3		21.12	20.68	20.54
1.4	6	0		21.19	20.85	20.65

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

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	5	22.51	0.1782	25.05	0.3199
Middle		1	5	22.84	0.1923	25.38	0.3451
Highest		1	5	22.46	0.1762	25.00	0.3162
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	21.67	0.1469	24.21	0.2636
Highest		1	0	21.63	0.1455	24.17	0.2612
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	25.31	0.3396
Middle		1	0	22.55	0.1799	25.09	0.3228
Highest		1	0	22.51	0.1782	25.05	0.3199
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	21.82	0.1521	24.36	0.2729
Highest		1	0	21.60	0.1445	24.14	0.2594
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.86	0.1932	25.40	0.3467
Middle		1	0	22.64	0.1837	25.18	0.3296
Highest		1	0	22.59	0.1816	25.13	0.3258
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	21.81	0.1517	24.35	0.2723
Highest		1	0	21.73	0.1489	24.27	0.2673
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.65	0.1841	25.19	0.3304
Middle		1	49	22.95	0.1972	25.49	0.3540
Highest		1	49	22.74	0.1879	25.28	0.3373
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	22.00	0.1585	24.54	0.2844
Highest		1	0	21.72	0.1486	24.26	0.2667
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.87	0.1936	25.41	0.3475
Middle		1	0	22.68	0.1854	25.22	0.3327
Highest		1	0	22.65	0.1841	25.19	0.3304
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	21.89	0.1545	24.43	0.2773
Highest		1	0	21.74	0.1493	24.28	0.2679
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 2.54 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.95	0.1972	25.49	0.3540
Middle		1	0	22.86	0.1932	25.40	0.3467
Highest		1	0	22.88	0.1941	25.42	0.3483
Lowest	16QAM	1	0	22.00	0.1585	24.54	0.2844
Middle		1	0	21.88	0.1542	24.42	0.2767
Highest		1	0	21.92	0.1556	24.46	0.2793
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.85	0.1928	24.96	0.3133
Middle		1	0	23.13	0.2056	25.24	0.3342
Highest		1	0	22.73	0.1875	24.84	0.3048
Lowest	16QAM	1	5	22.29	0.1694	24.40	0.2754
Middle		1	5	21.87	0.1538	23.98	0.2500
Highest		1	5	21.85	0.1531	23.96	0.2489
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.86	0.1932	24.97	0.3141
Middle		1	0	23.19	0.2084	25.30	0.3388
Highest		1	0	22.71	0.1866	24.82	0.3034
Lowest	16QAM	1	14	22.32	0.1706	24.43	0.2773
Middle		1	14	21.88	0.1542	23.99	0.2506
Highest		1	14	21.96	0.1570	24.07	0.2553
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.25	0.2113	25.36	0.3436
Middle		1	24	22.87	0.1936	24.98	0.3148
Highest		1	24	22.73	0.1875	24.84	0.3048
Lowest	16QAM	1	24	22.41	0.1742	24.52	0.2831
Middle		1	24	21.96	0.1570	24.07	0.2553
Highest		1	24	22.01	0.1589	24.12	0.2582
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.33	0.2153	25.44	0.3499
Middle		1	49	22.96	0.1977	25.07	0.3214
Highest		1	49	22.90	0.1950	25.01	0.3170
Lowest	16QAM	1	0	22.13	0.1633	24.24	0.2655
Middle		1	0	22.41	0.1742	24.52	0.2831
Highest		1	0	22.07	0.1611	24.18	0.2618
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.31	0.2143	25.42	0.3483
Middle		1	74	22.89	0.1945	25.00	0.3162
Highest		1	74	22.81	0.1910	24.92	0.3105
Lowest	16QAM	1	74	22.44	0.1754	24.55	0.2851
Middle		1	74	21.97	0.1574	24.08	0.2559
Highest		1	74	22.02	0.1592	24.13	0.2588
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 2.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.19	0.2084	25.30	0.3388
Middle		1	0	23.33	0.2153	25.44	0.3499
Highest		1	0	23.25	0.2113	25.36	0.3436
Lowest	16QAM	1	99	22.45	0.1758	24.56	0.2858
Middle		1	99	22.06	0.1607	24.17	0.2612
Highest		1	99	22.07	0.1611	24.18	0.2618
Limit	EIRP < 1W			Result		PASS	

LTE Band 5 / 1.4MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	5	22.67	0.1849	21.08	0.1282
Middle		1	5	22.77	0.1892	21.18	0.1312
Highest		1	5	22.78	0.1897	21.19	0.1315
Lowest	16QAM	1	0	21.82	0.1521	20.23	0.1054
Middle		1	0	21.80	0.1514	20.21	0.1050
Highest		1	0	21.92	0.1556	20.33	0.1079
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.64	0.1837	21.05	0.1274
Middle		1	0	22.73	0.1875	21.14	0.1300
Highest		1	0	22.81	0.1910	21.22	0.1324
Lowest	16QAM	1	0	21.90	0.1549	20.31	0.1074
Middle		1	0	21.93	0.1560	20.34	0.1081
Highest		1	0	21.94	0.1563	20.35	0.1084
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.71	0.1866	21.12	0.1294
Middle		1	0	22.80	0.1905	21.21	0.1321
Highest		1	0	22.96	0.1977	21.37	0.1371
Lowest	16QAM	1	24	21.97	0.1574	20.38	0.1091
Middle		1	24	21.91	0.1552	20.32	0.1076
Highest		1	24	21.92	0.1556	20.33	0.1079
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = 0.56 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.72	0.1871	21.13	0.1297
Middle		1	0	22.96	0.1977	21.37	0.1371
Highest		1	0	22.86	0.1932	21.27	0.1340
Lowest	16QAM	1	0	21.96	0.1570	20.37	0.1089
Middle		1	0	22.00	0.1585	20.41	0.1099
Highest		1	0	22.00	0.1585	20.41	0.1099
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.74	0.1879	21.87	0.1538
Middle		1.00	0.00	23.02	0.2004	22.15	0.1641
Highest		1.00	0.00	22.80	0.1905	21.93	0.1560
Lowest	16QAM	1.00	0.00	21.72	0.1486	20.85	0.1216
Middle		1.00	0.00	22.16	0.1644	21.29	0.1346
Highest		1.00	0.00	21.77	0.1503	20.90	0.1230
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.81	0.1910	21.94	0.1563
Middle		1.00	0.00	23.10	0.2042	22.23	0.1671
Highest		1.00	0.00	22.87	0.1936	22.00	0.1585
Lowest	16QAM	1.00	0.00	21.85	0.1531	20.98	0.1253
Middle		1.00	0.00	22.23	0.1671	21.36	0.1368
Highest		1.00	0.00	22.05	0.1603	21.18	0.1312
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.76	0.1888	21.89	0.1545
Middle		1.00	0.00	23.07	0.2028	22.20	0.1660
Highest		1.00	0.00	22.83	0.1919	21.96	0.1570
Lowest	16QAM	1.00	37.00	21.96	0.1570	21.09	0.1285
Middle		1.00	37.00	22.23	0.1671	21.36	0.1368
Highest		1.00	37.00	21.79	0.1510	20.92	0.1236
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average) (GT - LC = -0.87 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.89	0.1945	22.02	0.1592
Middle		1.00	0.00	23.10	0.2042	22.23	0.1671
Highest		1.00	0.00	22.96	0.1977	22.09	0.1618
Lowest	16QAM	1.00	0.00	21.88	0.1542	21.01	0.1262
Middle		1.00	0.00	22.24	0.1675	21.37	0.1371
Highest		1.00	0.00	22.14	0.1637	21.27	0.1340
Limit	EIRP < 2W			Result		PASS	

LTE Band 12 / 1.4MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	5	22.39	0.1734	21.36	0.1368
Middle		1	5	22.50	0.1778	21.47	0.1403
Highest		1	5	22.56	0.1803	21.53	0.1422
Lowest	16QAM	1	0	21.61	0.1449	20.58	0.1143
Middle		1	0	21.76	0.1500	20.73	0.1183
Highest		1	0	21.74	0.1493	20.71	0.1178
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.40	0.1738	21.37	0.1371
Middle		1	14	22.58	0.1811	21.55	0.1429
Highest		1	14	22.58	0.1811	21.55	0.1429
Lowest	16QAM	1	8	21.85	0.1531	20.82	0.1208
Middle		1	8	21.64	0.1459	20.61	0.1151
Highest		1	8	21.84	0.1528	20.81	0.1205
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.40	0.1738	21.37	0.1371
Middle		1	0	22.58	0.1811	21.55	0.1429
Highest		1	0	22.63	0.1832	21.60	0.1445
Lowest	16QAM	1	24	21.63	0.1455	20.60	0.1148
Middle		1	24	21.76	0.1500	20.73	0.1183
Highest		1	24	21.86	0.1535	20.83	0.1211
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.49	0.1774	21.46	0.1400
Middle		1	0	22.68	0.1854	21.65	0.1462
Highest		1	0	22.65	0.1841	21.62	0.1452
Lowest	16QAM	1	0	21.79	0.1510	20.76	0.1191
Middle		1	0	21.83	0.1524	20.80	0.1202
Highest		1	0	21.90	0.1549	20.87	0.1222
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 5MHz (Average) (GT - LC = 0.72 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.95	0.1972	21.52	0.1419
Middle		1	0	22.89	0.1945	21.46	0.1400
Highest		1	0	22.85	0.1928	21.42	0.1387
Lowest	16QAM	1	0	22.12	0.1629	20.69	0.1172
Middle		1	0	22.09	0.1618	20.66	0.1164
Highest		1	0	22.16	0.1644	20.73	0.1183
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 0.72 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.04	0.2014	21.61	0.1449
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.21	0.1663	20.78	0.1197
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 5MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.47	0.1766	21.44	0.1393
Middle		1	24	22.66	0.1845	21.63	0.1455
Highest		1	24	22.65	0.1841	21.62	0.1452
Lowest	16QAM	1	0	21.77	0.1503	20.74	0.1186
Middle		1	0	21.83	0.1524	20.80	0.1202
Highest		1	0	21.92	0.1556	20.89	0.1227
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = 1.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.72	0.1871	21.69	0.1476
Middle		1	0	22.78	0.1897	21.75	0.1496
Highest		1	0	22.76	0.1888	21.73	0.1489
Lowest	16QAM	1	49	21.92	0.1556	20.89	0.1227
Middle		1	49	21.95	0.1567	20.92	0.1236
Highest		1	49	21.98	0.1578	20.95	0.1245
Limit	ERP < 3W			Result		PASS	

LTE Band 41 / 5MHz (Average) (GT - LC = -0.56 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.05	0.1603	21.49	0.1409
Middle		1.00	0.00	22.48	0.1770	21.92	0.1556
Highest		1.00	0.00	22.58	0.1811	22.02	0.1592
Lowest	16QAM	1.00	0.00	21.25	0.1334	20.69	0.1172
Middle		1.00	0.00	21.71	0.1483	21.15	0.1303
Highest		1.00	0.00	21.82	0.1521	21.26	0.1337
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -0.56 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.11	0.1626	21.55	0.1429
Middle		1.00	0.00	22.56	0.1803	22.00	0.1585
Highest		1.00	0.00	22.67	0.1849	22.11	0.1626
Lowest	16QAM	1.00	0.00	21.32	0.1355	20.76	0.1191
Middle		1.00	0.00	21.83	0.1524	21.27	0.1340
Highest		1.00	0.00	21.91	0.1552	21.35	0.1365
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -0.56 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.11	0.1626	21.55	0.1429
Middle		1.00	0.00	22.48	0.1770	21.92	0.1556
Highest		1.00	0.00	22.50	0.1778	21.94	0.1563
Lowest	16QAM	1.00	0.00	21.27	0.1340	20.71	0.1178
Middle		1.00	0.00	21.85	0.1531	21.29	0.1346
Highest		1.00	0.00	21.88	0.1542	21.32	0.1355
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 20MHz (Average) (GT - LC = -0.56 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.42	0.1746	21.86	0.1535
Middle		1.00	0.00	22.53	0.1791	21.97	0.1574
Highest		1.00	0.00	22.68	0.1854	22.12	0.1629
Lowest	16QAM	1.00	0.00	21.34	0.1361	20.78	0.1197
Middle		1.00	0.00	21.91	0.1552	21.35	0.1365
Highest		1.00	0.00	21.96	0.1570	21.40	0.1380
Limit	EIRP < 2W			Result		PASS	

LTE Band 26 / 1.4MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.60	0.1820	21.11	0.1291
Middle		1	3	22.64	0.1837	21.15	0.1303
Highest		1	3	22.79	0.1901	21.30	0.1349
Lowest	16QAM	1	5	21.79	0.1510	20.30	0.1072
Middle		1	5	21.94	0.1563	20.45	0.1109
Highest		1	5	21.84	0.1528	20.35	0.1084
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.49	0.1774	21.00	0.1259
Middle		1	14	22.66	0.1845	21.17	0.1309
Highest		1	14	22.69	0.1858	21.20	0.1318
Lowest	16QAM	1	0	21.63	0.1455	20.14	0.1033
Middle		1	0	21.74	0.1493	20.25	0.1059
Highest		1	0	21.88	0.1542	20.39	0.1094
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.59	0.1816	21.10	0.1288
Middle		1	24	22.81	0.1910	21.32	0.1355
Highest		1	24	22.79	0.1901	21.30	0.1349
Lowest	16QAM	1	0	21.67	0.1469	20.18	0.1042
Middle		1	0	21.82	0.1521	20.33	0.1079
Highest		1	0	21.94	0.1563	20.45	0.1109
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 10MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.60	0.1820	21.11	0.1291
Middle		1	0	22.77	0.1892	21.28	0.1343
Highest		1	0	22.95	0.1972	21.46	0.1400
Lowest	16QAM	1	25	21.89	0.1545	20.40	0.1096
Middle		1	25	21.99	0.1581	20.50	0.1122
Highest		1	25	21.97	0.1574	20.48	0.1117
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 0.66 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.68	0.1854	21.19	0.1315
Middle		1	0	22.95	0.1972	21.46	0.1400
Highest		1	0	22.85	0.1928	21.36	0.1368
Lowest	16QAM	1	0	21.68	0.1472	20.19	0.1045
Middle		1	0	21.89	0.1545	20.40	0.1096
Highest		1	0	22.00	0.1585	20.51	0.1125
Limit	ERP < 7W			Result		PASS	

LTE Band 66 / 1.4MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	5	23.24	0.2109	24.98	0.3148
Middle		1	5	22.75	0.1884	24.49	0.2812
Highest		1	5	22.73	0.1875	24.47	0.2799
Lowest	16QAM	1	3	22.45	0.1758	24.19	0.2624
Middle		1	3	22.21	0.1663	23.95	0.2483
Highest		1	3	21.89	0.1545	23.63	0.2307
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	23.21	0.2094	24.95	0.3126
Middle		1	14	22.68	0.1854	24.42	0.2767
Highest		1	14	22.69	0.1858	24.43	0.2773
Lowest	16QAM	1	8	22.43	0.1750	24.17	0.2612
Middle		1	8	22.20	0.1660	23.94	0.2477
Highest		1	8	21.88	0.1542	23.62	0.2301
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.21	0.2094	24.95	0.3126
Middle		1	24	22.68	0.1854	24.42	0.2767
Highest		1	24	22.70	0.1862	24.44	0.2780
Lowest	16QAM	1	12	22.38	0.1730	24.12	0.2582
Middle		1	12	22.19	0.1656	23.93	0.2472
Highest		1	12	21.91	0.1552	23.65	0.2317
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 10MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.25	0.2113	24.99	0.3155
Middle		1	49	22.85	0.1928	24.59	0.2877
Highest		1	49	22.82	0.1914	24.56	0.2858
Lowest	16QAM	1	49	22.44	0.1754	24.18	0.2618
Middle		1	49	22.00	0.1585	23.74	0.2366
Highest		1	49	22.11	0.1626	23.85	0.2427
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.10	0.2042	24.84	0.3048
Middle		1	37	22.82	0.1914	24.56	0.2858
Highest		1	37	22.62	0.1828	24.36	0.2729
Lowest	16QAM	1	37	22.45	0.1758	24.19	0.2624
Middle		1	37	22.23	0.1671	23.97	0.2495
Highest		1	37	21.92	0.1556	23.66	0.2323
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 1.74 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.06	0.2023	24.80	0.3020
Middle		1	0	23.25	0.2113	24.99	0.3155
Highest		1	0	23.16	0.2070	24.90	0.3090
Lowest	16QAM	1	99	22.45	0.1758	24.19	0.2624
Middle		1	99	22.07	0.1611	23.81	0.2404
Highest		1	99	21.94	0.1563	23.68	0.2333
Limit	EIRP < 1W			Result		PASS	

Radiated Spurious Emission

LTE Band 2

LTE Band 2/ 10MHz / 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	3720	-57.14	-13	-44.14	-74.42	-68.37	1.25	12.48	H
	5580	-54.70	-13	-41.70	-76.36	-66.17	1.82	13.28	H
	7440	-49.63	-13	-36.63	-75.97	-58.36	2.45	11.18	H
									H
	3720	-56.91	-13	-43.91	-75.04	-68.14	1.25	12.48	V
	5580	-54.06	-13	-41.06	-76.43	-65.53	1.82	13.28	V
	7440	-50.13	-13	-37.13	-76.19	-58.86	2.45	11.18	V
									V
Middle	3777	-57.29	-13	-44.29	-74.93	-68.53	1.28	12.52	H
	5667	-54.34	-13	-41.34	-76.14	-65.74	1.87	13.27	H
	7550	-49.71	-13	-36.71	-76.12	-58.32	2.52	11.13	H
									H
	3777	-56.88	-13	-43.88	-75.15	-68.12	1.28	12.52	V
	5667	-53.42	-13	-40.42	-75.88	-64.82	1.87	13.27	V
	7550	-49.68	-13	-36.68	-76	-58.29	2.52	11.13	V
									V
Highest	3810	-56.76	-13	-43.76	-74.46	-68.00	1.30	12.55	H
	5715	-53.66	-13	-40.66	-75.56	-65.02	1.89	13.26	H
	7620	-47.41	-13	-34.41	-73.44	-56.01	2.57	11.17	H
									H
	3810	-55.99	-13	-42.99	-74.37	-67.23	1.30	12.55	V
	5715	-53.34	-13	-40.34	-75.9	-64.70	1.89	13.26	V
	7620	-47.29	-13	-34.29	-73.39	-55.89	2.57	11.17	V
									V

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

LTE Band 4

LTE Band 2/ 10MHz / 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	3448	-54.89	-13	-41.89	-71.33	-65.97	1.10	12.19	H
	5170	-52.48	-13	-39.48	-73.44	-63.84	1.55	12.90	H
	6899	-49.60	-13	-36.60	-73.89	-59.30	2.20	11.90	H
									H
	3448	-50.80	-13	-37.80	-67.67	-61.88	1.10	12.19	V
	5170	-50.39	-13	-37.39	-72.03	-61.75	1.55	12.90	V
	6899	-50.74	-13	-37.74	-75.43	-60.44	2.20	11.90	V
									V
Middle	3476	-52.73	-13	-39.73	-69.63	-63.88	1.10	12.25	H
	5212	-50.18	-13	-37.18	-71.22	-61.56	1.57	12.95	H
	6948	-50.12	-13	-37.12	-74.43	-59.75	2.22	11.85	H
									H
	3476	-51.70	-13	-38.70	-68.89	-62.85	1.10	12.25	V
	5212	-50.29	-13	-37.29	-72.04	-61.67	1.57	12.95	V
	6948	-50.96	-13	-37.96	-75.85	-60.59	2.22	11.85	V
									V
Highest	3497	-51.79	-13	-38.79	-69.04	-62.98	1.10	12.29	H
	5247	-50.01	-13	-37.01	-71.11	-61.41	1.60	13.00	H
	6997	-47.04	-13	-34.04	-71.38	-56.60	2.24	11.80	H
									H
	3497	-49.11	-13	-36.11	-66.54	-60.30	1.10	12.29	V
	5247	-48.31	-13	-35.31	-70.11	-59.71	1.60	13.00	V
	6997	-49.15	-13	-36.15	-74.25	-58.71	2.24	11.80	V
									V

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

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-57.42	-13	-44.42	-66.17	-63.15	0.81	8.69	H
	2472	-60.35	-13	-47.35	-73.94	-67.92	1.04	10.76	H
	3296	-58.88	-13	-45.88	-74.49	-67.48	1.10	11.85	H
									H
	1648	-55.80	-13	-42.80	-64.39	-61.53	0.81	8.69	V
	2472	-60.11	-13	-47.11	-73.82	-67.68	1.04	10.76	V
	3296	-58.49	-13	-45.49	-74.47	-67.09	1.10	11.85	V
									V
Middle	1664	-55.93	-13	-42.93	-64.73	-61.72	0.82	8.76	H
	2496	-60.27	-13	-47.27	-73.88	-67.86	1.05	10.79	H
	3328	-58.93	-13	-45.93	-74.37	-67.60	1.10	11.92	H
									H
	1664	-56.60	-13	-43.60	-65.25	-62.39	0.82	8.76	V
	2496	-60.21	-13	-47.21	-73.95	-67.80	1.05	10.79	V
	3328	-58.13	-13	-45.13	-74.03	-66.80	1.10	11.92	V
									V
Highest	1680	-56.01	-13	-43.01	-64.87	-61.86	0.82	8.82	H
	2520	-60.58	-13	-47.58	-74.22	-68.20	1.05	10.82	H
	3360	-59.08	-13	-46.08	-74.36	-67.82	1.10	11.99	H
									H
	1680	-56.67	-13	-43.67	-65.38	-62.52	0.82	8.82	V
	2520	-55.42	-13	-42.42	-69.15	-63.04	1.05	10.82	V
	3360	-58.43	-13	-45.43	-74.26	-67.17	1.10	11.99	V
									V

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

LTE Band 7

LTE Band 7 / 10MHz / 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	-52.14	-25	-27.14	-72.8	-63.41	1.43	12.70	H
	7506	-49.47	-25	-24.47	-76.25	-58.09	2.48	11.10	H
	10008	-46.79	-25	-21.79	-77.48	-54.95	3.03	11.20	H
									H
	5004	-49.75	-25	-24.75	-70.91	-61.02	1.43	12.70	V
	7506	-49.93	-25	-24.93	-76.48	-58.55	2.48	11.10	V
	10008	-47.08	-25	-22.08	-77.44	-55.24	3.03	11.20	V
									V
Middle	5065	-54.55	-25	-29.55	-75.32	-65.85	1.47	12.78	H
	7598	-50.52	-25	-25.52	-76.55	-59.12	2.55	11.16	H
	10130	-47.05	-25	-22.05	-77.89	-55.10	3.10	11.15	H
									H
	5065	-53.85	-25	-28.85	-75.18	-65.15	1.47	12.78	V
	7598	-50.14	-25	-25.14	-76.23	-58.74	2.55	11.16	V
	10130	-47.27	-25	-22.27	-77.81	-55.32	3.10	11.15	V
									V
Highest	5124	-52.12	-25	-27.12	-73	-63.45	1.51	12.85	H
	7686	-49.76	-25	-24.76	-75.87	-58.35	2.62	11.21	H
	10248	-46.00	-25	-21.00	-76.98	-53.95	3.15	11.10	H
									H
	5124	-49.77	-25	-24.77	-71.28	-61.10	1.51	12.85	V
	7686	-49.71	-25	-24.71	-75.9	-58.30	2.62	11.21	V
	10248	-46.44	-25	-21.44	-77.15	-54.39	3.15	11.10	V
									V

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

LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1416	-49.55	-13	-36.55	-59.38	-54.41	0.74	7.75	H
	2128	-43.40	-13	-30.40	-56.04	-50.58	0.95	10.28	H
	2832	-38.86	-13	-25.86	-53.87	-46.69	1.09	11.07	H
	3544	-51.84	-13	-38.84	-68.70	-60.90	1.13	12.34	H
	4248	-44.01	-13	-31.01	-62.38	-53.19	1.32	12.65	H
	4960	-51.96	-13	-38.96	-72.45	-61.09	1.41	12.69	H
									H
	1416	-44.38	-13	-31.38	-53.88	-49.24	0.74	7.75	V
	2128	-39.70	-13	-26.70	-52.48	-46.88	0.95	10.28	V
	2832	-36.55	-13	-23.55	-52.05	-44.38	1.09	11.07	V
	3544	-50.69	-13	-37.69	-67.80	-59.75	1.13	12.34	V
	4248	-36.72	-13	-23.72	-55.86	-45.90	1.32	12.65	V
	4960	-50.73	-13	-37.73	-71.81	-59.86	1.41	12.69	V
									V
Middle	1424	-48.81	-13	-35.81	-58.53	-53.70	0.74	7.78	H
	2136	-44.34	-13	-31.34	-57.07	-51.52	0.96	10.29	H
	2848	-39.47	-13	-26.47	-54.52	-47.31	1.09	11.08	H
	3560	-50.57	-13	-37.57	-67.47	-59.63	1.14	12.35	H
	4272	-42.49	-13	-29.49	-60.97	-51.68	1.31	12.65	H
	4984	-52.50	-13	-39.50	-73.03	-61.63	1.42	12.70	H
									H
	1424	-43.93	-13	-30.93	-53.38	-48.82	0.74	7.78	V
	2136	-39.62	-13	-26.62	-52.51	-46.80	0.96	10.29	V
	2848	-36.01	-13	-23.01	-51.55	-43.85	1.09	11.08	V
	3560	-50.49	-13	-37.49	-67.68	-59.55	1.14	12.35	V
	4272	-35.61	-13	-22.61	-54.89	-44.80	1.31	12.65	V
	4984	-50.49	-13	-37.49	-71.56	-59.62	1.42	12.70	V
									V

Highest	1432	-51.46	-13	-38.46	-61.10	-56.37	0.75	7.81	H
	2144	-43.41	-13	-30.41	-56.23	-50.60	0.96	10.30	H
	2864	-38.63	-13	-25.63	-53.71	-46.48	1.09	11.09	H
	3576	-51.48	-13	-38.48	-68.43	-60.54	1.15	12.36	H
	4296	-43.79	-13	-30.79	-62.38	-52.98	1.30	12.64	H
	5008	-52.50	-13	-39.50	-73.08	-61.62	1.44	12.71	H
									H
	1432	-42.64	-13	-29.64	-52.06	-47.55	0.75	7.81	V
	2144	-38.47	-13	-25.47	-51.47	-45.66	0.96	10.30	V
	2864	-36.55	-13	-23.55	-52.12	-44.40	1.09	11.09	V
	3576	-49.88	-13	-36.88	-67.14	-58.94	1.15	12.36	V
	4296	-35.86	-13	-22.86	-55.28	-45.05	1.30	12.64	V
	5008	-50.13	-13	-37.13	-71.21	-59.25	1.44	12.71	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	-44.26	-42.15	-2.11	-52.89	-49.66	0.79	8.34	H
	2344	-42.33	-13	-29.33	-55.77	-49.75	1.01	10.58	H
	3120	-37.24	-13	-24.24	-53.06	-45.44	1.11	11.46	H
	3896	-48.84	-13	-35.84	-66.41	-57.95	1.36	12.62	H
	4680	-50.15	-13	-37.15	-70.07	-59.35	1.29	12.64	H
									H
	1560	-46.23	-42.15	-4.08	-54.89	-51.63	0.79	8.34	V
	2344	-46.92	-13	-33.92	-60.67	-54.34	1.01	10.58	V
	3120	-39.04	-13	-26.04	-55.11	-47.24	1.11	11.46	V
	3896	-48.48	-13	-35.48	-66.74	-57.59	1.36	12.62	V
	4680	-48.92	-13	-35.92	-69.77	-58.12	1.29	12.64	V
									V
Middle	1568	-45.47	-42.15	-3.32	-54.10	-50.90	0.79	8.37	H
	2352	-41.68	-13	-28.68	-55.05	-49.11	1.01	10.59	H
	3128	-36.63	-13	-23.63	-52.47	-44.85	1.11	11.48	H
	3912	-47.03	-13	-34.03	-64.63	-56.14	1.37	12.63	H
	4696	-50.36	-13	-37.36	-70.32	-59.55	1.30	12.64	H
									H
	1568	-46.83	-42.15	-4.68	-55.45	-52.26	0.79	8.37	V
	2352	-45.39	-13	-32.39	-59.13	-52.82	1.01	10.59	V
	3128	-37.98	-13	-24.98	-54.07	-46.20	1.11	11.48	V
	3912	-48.39	-13	-35.39	-66.69	-57.50	1.37	12.63	V
	4696	-50.08	-13	-37.08	-70.98	-59.27	1.30	12.64	V
									V

Highest	1568	-44.62	-42.15	-2.47	-53.25	-50.05	0.79	8.37	H
	2360	-42.24	-13	-29.24	-55.68	-49.68	1.01	10.60	H
	3136	-37.08	-13	-24.08	-52.95	-45.32	1.11	11.50	H
	3920	-46.82	-13	-33.82	-64.44	-55.93	1.38	12.64	H
	4712	-48.69	-13	-35.69	-68.69	-57.88	1.30	12.64	H
									H
									H
	1568	-45.69	-42.15	-3.54	-54.31	-51.12	0.79	8.37	V
	2360	-46.09	-13	-33.09	-59.83	-53.53	1.01	10.60	V
	3136	-38.64	-13	-25.64	-54.74	-46.88	1.11	11.50	V
	3920	-46.77	-13	-33.77	-65.09	-55.88	1.38	12.64	V
	4712	-47.42	-13	-34.42	-68.33	-56.61	1.30	12.64	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	1560	-44.12	-42.15	-1.97	-52.75	-49.52	0.79	8.34	H
	2344	-41.44	-13	-28.44	-54.88	-48.86	1.01	10.58	H
	3120	-36.75	-13	-23.75	-52.57	-44.95	1.11	11.46	H
	3904	-48.24	-13	-35.24	-65.82	-57.34	1.37	12.62	H
	4680	-49.80	-13	-36.80	-69.72	-59.00	1.29	12.64	H
									H
	1560	-45.96	-42.15	-3.81	-54.62	-51.36	0.79	8.34	V
	2344	-46.56	-13	-33.56	-60.31	-53.98	1.01	10.58	V
	3120	-37.79	-13	-24.79	-53.86	-45.99	1.11	11.46	V
	3904	-48.54	-13	-35.54	-66.8	-57.64	1.37	12.62	V
	4680	-49.20	-13	-36.20	-70.05	-58.40	1.29	12.64	V
									V

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

LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1408	-48.88	-13	-35.88	-58.80	-53.70	0.74	7.71	H
	2112	-43.80	-13	-30.80	-56.23	-50.96	0.95	10.26	H
	2816	-40.19	-13	-27.19	-55.26	-48.00	1.09	11.05	H
	3520	-51.14	-13	-38.14	-67.95	-60.20	1.11	12.32	H
	4232	-42.70	-13	-29.70	-61.00	-51.87	1.33	12.65	H
	4936	-49.39	-13	-36.39	-69.83	-58.53	1.40	12.69	H
									H
	1408	-42.36	-13	-29.36	-51.88	-47.18	0.74	7.71	V
	2112	-35.55	-13	-22.55	-48.06	-42.71	0.95	10.26	V
	2816	-37.19	-13	-24.19	-52.65	-45.00	1.09	11.05	V
	3520	-50.07	-13	-37.07	-67.10	-59.13	1.11	12.32	V
	4232	-42.69	-13	-29.69	-53.90	-51.86	1.33	12.65	V
	4936	-49.39	-13	-36.39	-69.43	-58.53	1.40	12.69	V
									V
Middle	1408	-49.58	-13	-36.58	-59.50	-54.40	0.74	7.71	H
	2112	-42.97	-13	-29.97	-55.39	-50.13	0.95	10.26	H
	2816	-40.29	-13	-27.29	-55.26	-48.10	1.09	11.05	H
	3520	-50.87	-13	-37.87	-67.69	-59.93	1.11	12.32	H
	4232	-43.04	-13	-30.04	-61.35	-52.21	1.33	12.65	H
	4936	-48.86	-13	-35.86	-69.29	-58.00	1.40	12.69	H
									H
	1408	-44.25	-13	-31.25	-53.78	-49.07	0.74	7.71	V
	2112	-34.58	-13	-21.58	-47.13	-41.74	0.95	10.26	V
	2816	-36.85	-13	-23.85	-52.31	-44.66	1.09	11.05	V
	3520	-49.84	-13	-36.84	-66.89	-58.90	1.11	12.32	V
	4232	-34.73	-13	-21.73	-53.77	-43.90	1.33	12.65	V
	4936	-47.86	-13	-34.86	-68.86	-57.00	1.40	12.69	V
									V

Highest	1416	-49.24	-13	-36.24	-59.08	-54.10	0.74	7.75	H
	2120	-42.72	-13	-29.72	-55.25	-49.89	0.95	10.27	H
	2824	-40.00	-13	-27.00	-54.99	-47.82	1.09	11.06	H
	3536	-52.00	-13	-39.00	-68.84	-61.06	1.12	12.33	H
	4240	-42.10	-13	-29.10	-60.43	-51.28	1.32	12.65	H
	4944	-50.27	-13	-37.27	-70.75	-59.40	1.41	12.69	H
									H
	1416	-43.34	-13	-30.34	-59.83	-48.20	0.74	7.75	V
	2120	-36.33	-13	-23.33	-48.99	-43.50	0.95	10.27	V
	2824	-36.07	-13	-23.07	-51.54	-43.89	1.09	11.06	V
	3536	-50.18	-13	-37.18	-67.27	-59.24	1.12	12.33	V
	4240	-34.82	-13	-21.82	-53.94	-44.00	1.32	12.65	V
	4944	-49.54	-13	-36.54	-70.65	-58.67	1.41	12.69	V
									V

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

Part 22H LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1680	-54.89	-13	-41.89	-63.75	-60.74	0.82	8.82	H
	2520	-60.78	-13	-47.78	-74.42	-68.40	1.05	10.82	H
	3360	-59.12	-13	-46.12	-74.39	-67.86	1.10	11.99	H
									H
	1680	-55.60	-13	-42.60	-64.32	-61.45	0.82	8.82	V
	2520	-60.72	-13	-47.72	-74.45	-68.34	1.05	10.82	V
	3360	-58.56	-13	-45.56	-74.38	-67.30	1.10	11.99	V
									V
Middle	1688	-58.90	-13	-45.90	-67.82	-64.77	0.83	8.85	H
	2532	-60.55	-13	-47.55	-74.23	-68.18	1.05	10.83	H
	3376	-59.17	-13	-46.17	-74.37	-67.95	1.10	12.03	H
									H
	1688	-59.83	-13	-46.83	-68.59	-65.70	0.83	8.85	V
	2532	-60.92	-13	-47.92	-74.69	-68.55	1.05	10.83	V
	3376	-59.07	-13	-46.07	-74.87	-67.85	1.10	12.03	V
									V
Highest	1696	-56.95	-13	-43.95	-65.87	-62.85	0.83	8.88	H
	2544	-60.64	-13	-47.64	-74.35	-68.27	1.06	10.84	H
	3392	-59.42	-13	-46.42	-74.55	-68.23	1.10	12.06	H
									H
	1696	-57.52	-13	-44.52	-66.28	-63.42	0.83	8.88	V
	2544	-60.83	-13	-47.83	-74.61	-68.46	1.06	10.84	V
	3392	-58.77	-13	-45.77	-74.53	-67.58	1.10	12.06	V
									V

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

LTE Band 41

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-52.22	-25	-27.22	-72.86	-63.49	1.43	12.70	H
	7488	-38.04	-25	-13.04	-64.77	-46.68	2.47	11.12	H
	9984	-45.22	-25	-20.22	-75.92	-53.40	3.03	11.20	H
									H
	4992	-48.58	-25	-23.58	-69.73	-59.85	1.43	12.70	V
	7488	-30.00	-25	-5.00	-56.47	-38.64	2.47	11.12	V
	9984	-45.28	-25	-20.28	-75.63	-53.46	3.03	11.20	V
									V
Middle	5172	-52.91	-25	-27.91	-73.88	-64.27	1.55	12.91	H
	7752	-40.50	-25	-15.50	-66.7	-49.08	2.67	11.25	H
	10336	-45.19	-25	-20.19	-76.26	-53.06	3.20	11.07	H
									H
	5172	-49.72	-25	-24.72	-71.37	-61.08	1.55	12.91	V
	7752	-38.90	-25	-13.90	-65.17	-47.48	2.67	11.25	V
	10336	-45.72	-25	-20.72	-76.55	-53.59	3.20	11.07	V
									V
Highest	5340	-52.29	-25	-27.29	-73.55	-63.74	1.66	13.11	H
	8016	-43.75	-25	-18.75	-71.69	-52.31	2.86	11.42	H
	10688	-43.91	-25	-18.91	-75.23	-51.72	3.15	10.96	H
									H
	5340	-49.98	-25	-24.98	-71.93	-61.43	1.66	13.11	V
	8016	-38.73	-25	-13.73	-66.45	-47.29	2.86	11.42	V
	10688	-43.85	-25	-18.85	-75.07	-51.66	3.15	10.96	V
									V

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

LTE Band 66

LTE Band 66 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3441	-53.12	-13	-40.12	-69.46	-64.19	1.10	12.17	H
	5156	-51.51	-13	-38.51	-72.44	-62.86	1.54	12.89	H
	6878	-47.40	-13	-34.40	-71.69	-57.13	2.19	11.92	H
									H
	3441	-49.96	-13	-36.96	-66.76	-61.03	1.10	12.17	V
	5156	-50.38	-13	-37.38	-71.98	-61.73	1.54	12.89	V
	6878	-49.04	-13	-36.04	-73.66	-58.77	2.19	11.92	V
									V
Middle	3494	-52.16	-13	-39.16	-69.41	-63.35	1.10	12.29	H
	5247	-54.55	-13	-41.55	-75.66	-65.95	1.60	13.00	H
	6997	-46.54	-13	-33.54	-70.89	-56.10	2.24	11.80	H
									H
	3497	-47.87	-13	-34.87	-65.3	-59.06	1.10	12.29	V
	5247	-52.54	-13	-39.54	-74.34	-63.94	1.60	13.00	V
	6997	-46.34	-13	-33.34	-71.44	-55.90	2.24	11.80	V
									V
Highest	3560	-51.39	-13	-38.39	-68.79	-62.60	1.14	12.35	H
	5338	-49.10	-13	-36.10	-70.36	-60.55	1.66	13.11	H
	7116	-41.12	-13	-28.12	-67.17	-50.46	2.30	11.64	H
									H
	3560	-46.39	-13	-33.39	-64.06	-57.60	1.14	12.35	V
	5338	-47.40	-13	-34.40	-69.36	-58.85	1.66	13.11	V
	7116	-42.69	-13	-29.69	-68.39	-52.03	2.30	11.64	V
									V

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