FCC RADIO TEST REPORT

FCC ID	:	**PKRISGFX31001**
Equipment	:	**Indoor Router**
Brand Name	:	**Inseego**
Model Name	:	**FX3100-1**
Marketing Name	:	**FX3100**
Applicant	:	**Inseego Corp.** **9710 Scranton Road Suite 200, San Diego, CA 92121**
Manufacturer	:	**Inseego Corp.** **9710 Scranton Road Suite 200, San Diego, CA 92121**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Mar. 03, 2023 and testing was performed from Mar. 06, 2023 to Apr. 01, 2023. 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 test results in this partial report apply exclusively to the tested model / sample. Without written approval from 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 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG290606A	01	Initial issue of report	Apr. 14, 2023

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)(5)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66) (Band 71)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66) (Band 71)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	-	See Note

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
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 25) (Band 26) (Band 66) (Band 71)	Pass	3.02 dB under the limit at 1560.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Note: The RF circuit and output power level are the same in WWAN function across all two FCC ID PKRISGM3000B and PKRISGFX31001, since the change, only verify RF output power and radiated spurious emission test data the worst mode was reported in this report.

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. Please refer to the section “Uncertainty of Evaluation” for measurement uncertainty.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Lewis Ho

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs 4G-LTE, 5G-FR1, Wi-Fi 2.4GHz 802.11 b/g/n/ax, Wi-Fi 5GHz 802.11 a/n/ac/ax, and GNSS. **Antenna Type** WWAN: Fixed Internal Antenna WLAN: Fixed Internal Antenna GPS / Glonass / BDS / Galileo: Fixed Internal Antenna	
Antenna Gain	**<Ant. 0>:** LTE Band 2: 1.6 dBi LTE Band 4: 1.9 dBi LTE Band 5: 0.8 dBi LTE Band 7: 0.6 dBi LTE Band 12: -0.1 dBi LTE Band 13: -0.1 dBi LTE Band 25: 1.6 dBi LTE Band 26: 0.8 dBi LTE Band 38: 0.4 dBi LTE Band 66: 1.8 dBi LTE Band 71: 1.0 dBi **<Ant. 1>:** LTE Band 5: 0.5 dBi **<Ant. 8>:** LTE Band 2: 1.7 dBi LTE Band 4: 1.2 dBi LTE Band 66: 1.3 dBi LTE Band 41: 2.8 dBi

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH03-HY	03CH07-HY
Test Engineer	Cotty Hsu	Jesse Wang, Stan Hsieh and Ken Wu
Temperature (℃)	22.2~23.1	21~25.6
Relative Humidity (%)	51~56	54.7~66.2

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

FCC Designation No.: TW1190

1.4 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
- FCC 47 CFR Part 2, 22(H), 24(E), 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.

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.

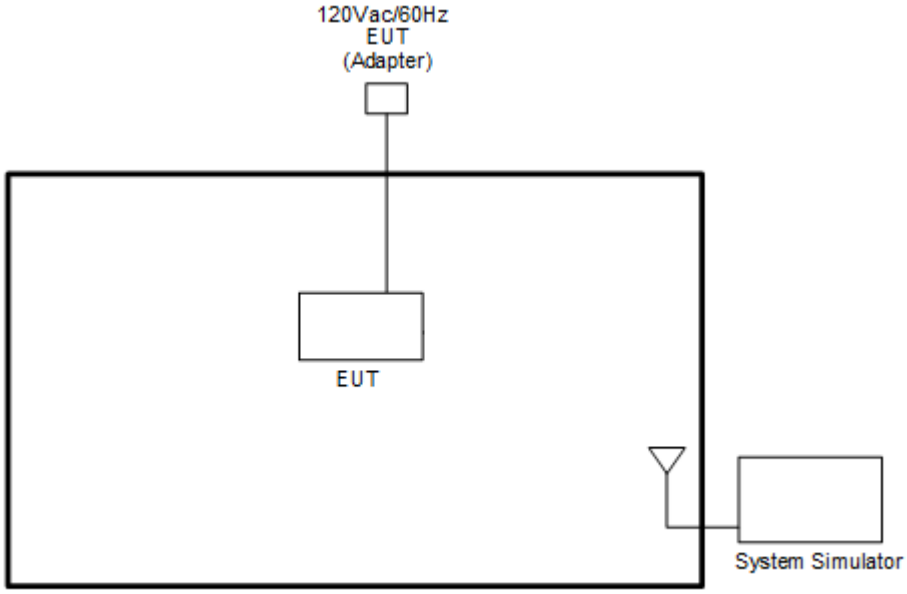
For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	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	v
	4	v	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	v
	7	-	-	v	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	v
	13	-	-	v	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	v
	26	v	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	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	41_ HPUE	-	-	v	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	v
	71	-	-	v	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	256QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	Max. Power					
	4	v	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v	v						
	7	-	-	v	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v	v						
	13	-	-	v	v	-	-	v	v	v	v						
	25	v	v	v	v	v	v	v	v	v	v						
	26	v	v	v	v	v	-	v	v	v	v						
	38	-	-	v	v	v	v	v	v	v	v						
	41	-	-	v	v	v	v	v	v	v	v						
	41_HPUE	-	-	v	v	v	v	v	v	v	v						
	66	v	v	v	v	v	v	v	v	v	v						
	71	-	-	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-				v	v				v			v	v	v
	12				v	-	-	v				v			v	v	v
	13	-	-	v		-	-	v				v			v	v	v
	25						v	v				v			v	v	v
	26				v		-	v				v			v	v	v
	38	-	-				v	v				v			v	v	v
	41_HPUE	-	-				v	v				v			v	v	v
	66						v	v				v			v	v	v
	71	-	-				v	v				v			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. Wider operating range bandwidth covers narrower one when the power is higher or the same. 5. Interband ULCA modes 2A-4A, 2A-5A, 2A-12A, 2A-66A, 4A-5A, 4A-12A, 5A-66A, 12A-66A are covered by each rule part of LTE single carrier mode with higher power.																

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	41_CA_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
E.I.R.P	41_CA_HPUE	v	v	v	v	v	v	v	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	41_CA_HPUE	v										v				v			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.																				

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

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 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

LTE Band 71 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	133222	133297	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133297	133422
	Frequency	668.0	680.5	693.0
5	Channel	133147	133297	133447
	Frequency	665.5	680.5	695.5

LTE Band 41C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2583.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

LTE Band 41C Channel and Frequency List_CA					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

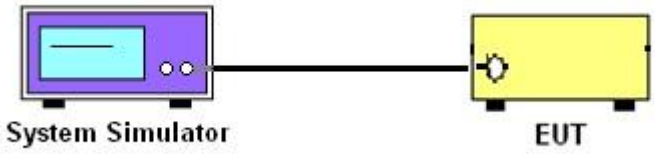
3 Conducted Test Items

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 30 Watts for LTE Band 12 and Band 13 and Band 71

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.

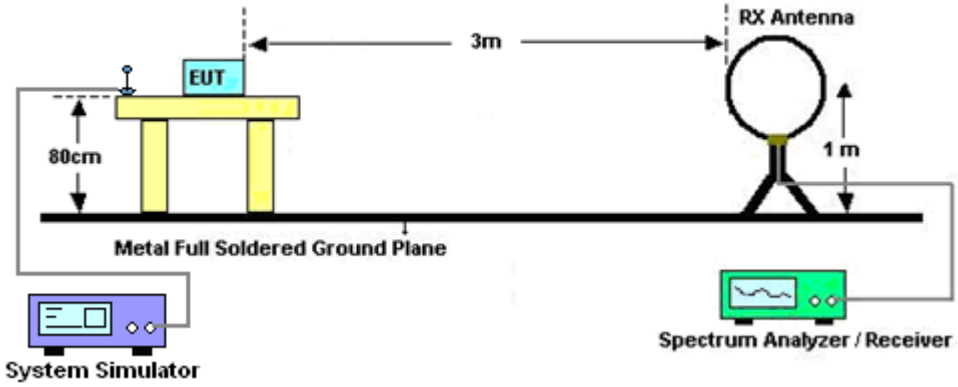
4 Radiated Test Items

4.1 Measuring Instruments

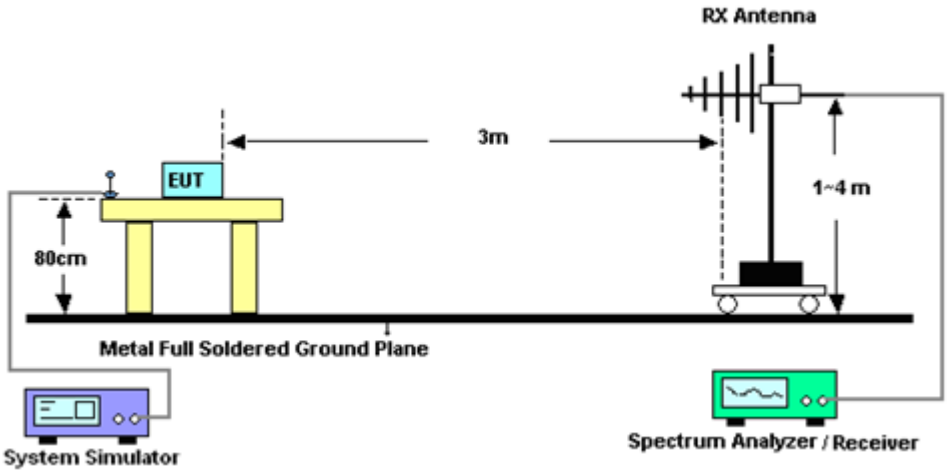
See list of measuring instruments of this test report.

4.1.1 Test Setup

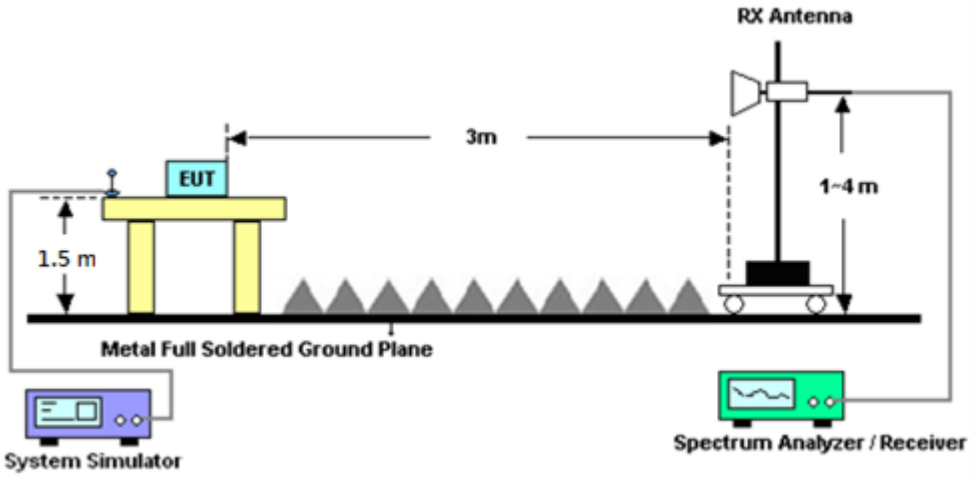
For radiated test below 30MHz



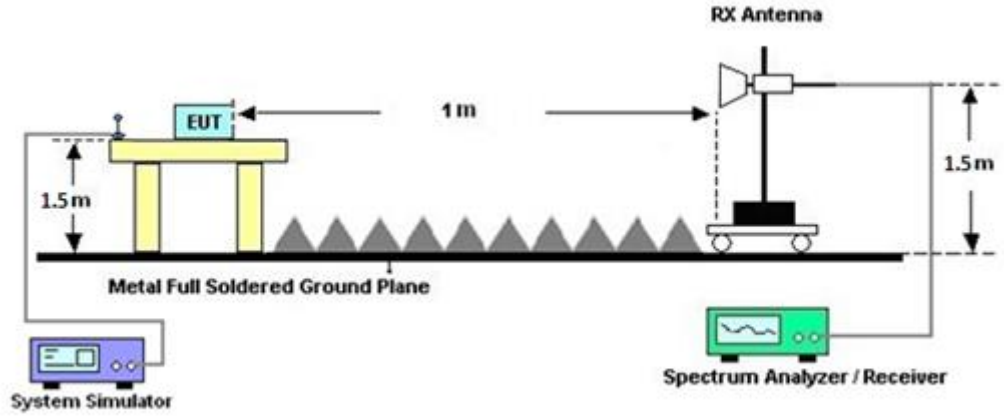
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 7, 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	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Mar. 24, 2023~ Apr. 01, 2023	Apr. 23, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2022	Mar. 24, 2023~ Apr. 01, 2023	Nov. 30, 2023	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Mar. 24, 2023~ Apr. 01, 2023	Sep. 19, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Mar. 24, 2023~ Apr. 01, 2023	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Mar. 24, 2023~ Apr. 01, 2023	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 24, 2023	Mar. 24, 2023~ Apr. 01, 2023	Mar. 23, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 22, 2023	Mar. 24, 2023~ Apr. 01, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 22, 2023	Mar. 24, 2023~ Apr. 01, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 22, 2023	Mar. 24, 2023~ Apr. 01, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 16, 2022	Mar. 24, 2023~ Apr. 01, 2023	Sep. 15, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 22, 2023	Mar. 24, 2023~ Apr. 01, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 14, 2022	Mar. 24, 2023~ Apr. 01, 2023	Apr. 13, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Mar. 24, 2023~ Apr. 01, 2023	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Mar. 24, 2023~ Apr. 01, 2023	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Mar. 24, 2023~ Apr. 01, 2023	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Mar. 24, 2023~ Apr. 01, 2023	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Mar. 24, 2023~ Apr. 01, 2023	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	Mar. 24, 2023~ Apr. 01, 2023	Mar. 13, 2024	Radiation (03CH07-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 07, 2022	Mar. 29, 2023~ Mar. 30, 2023	Jul. 06, 2023	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18GHz~40GHz	Jul. 21, 2022	Mar. 24, 2023~ Apr. 01, 2023	Jul. 20, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2022	Mar. 24, 2023~ Apr. 01, 2023	Nov. 23, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	EMCO	3117	00227856	1 - 18 GHz	Sep. 27, 2022	Mar. 24, 2023~ Apr. 01, 2023	Sep. 26, 2023	Radiation (03CH07-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Jan. 11, 2023	Mar. 24, 2023~ Apr. 01, 2023	Jan. 10, 2024	Radiation (03CH07-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Mar. 06, 2023~ Mar. 22, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	Mar. 06, 2023~ Mar. 22, 2023	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Dec. 29, 2022	Mar. 06, 2023~ Mar. 22, 2023	Dec. 28, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Mar. 06, 2023~ Mar. 22, 2023	Jan. 05, 2024	Conducted (TH03-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))	**3.25 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.08 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.03	24.26	23.74	25.86	0.3855
20	1	49		23.93	24.08	24.05		
20	1	99		23.94	23.99	24.01		
20	50	0		23.06	23.13	23.17		
20	50	24		23.15	23.11	23.16		
20	50	50		23.10	23.17	23.16		
20	100	0		23.12	23.12	23.14		
20	1	0	16-QAM	23.33	23.39	23.07	25.12	0.3251
20	1	49		23.26	23.52	23.36		
20	1	99		23.20	23.32	23.31		
20	50	0		22.08	22.17	22.20		
20	50	24		22.15	22.14	22.19		
20	50	50		22.12	22.20	22.16		
20	100	0		22.13	22.13	22.19		
20	1	0	64-QAM	22.28	22.34	22.12	23.94	0.2477
20	1	49		22.27	22.32	22.30		
20	1	99		22.16	22.31	22.25		
20	50	0		21.08	21.16	21.18		
20	50	24		21.14	21.16	21.18		
20	50	50		21.11	21.19	21.17		
20	100	0		21.13	21.11	21.17		
20	1	0	256-QAM	19.40	19.48	19.46	21.20	0.1318
20	1	49		19.38	19.54	19.40		
20	1	99		19.48	19.60	19.53		
20	50	0		19.31	19.34	19.41		
20	50	24		19.40	19.38	19.40		
20	50	50		19.37	19.43	19.40		
20	100	0		19.36	19.38	19.39		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.04	24.12	24.02	25.72	0.3733
15	1	37		23.84	24.09	24.02		
15	1	74		23.95	23.98	23.92		
15	36	0		23.02	23.14	23.09		
15	36	20		23.00	23.11	23.08		
15	36	39		23.10	23.18	23.14		
15	75	0		23.10	23.14	23.07		
15	1	0	16-QAM	23.35	23.46	23.35	25.06	0.3206
15	1	37		23.15	23.39	23.35		
15	1	74		23.32	23.29	23.31		
15	36	0		22.08	22.17	22.11		
15	36	20		22.10	22.14	22.08		
15	36	39		22.11	22.20	22.16		
15	75	0		22.14	22.15	22.07		
15	1	0	64-QAM	22.24	22.32	22.31	23.92	0.2466
15	1	37		22.20	22.32	22.21		
15	1	74		22.20	22.25	22.19		
15	36	0		21.09	21.16	21.10		
15	36	20		21.12	21.15	21.09		
15	36	39		21.13	21.19	21.16		
15	75	0		21.12	21.14	21.10		
15	1	0	256-QAM	19.35	19.34	19.40	21.15	0.1303
15	1	37		19.22	19.49	19.49		
15	1	74		19.51	19.55	19.52		
15	36	0		19.24	19.34	19.35		
15	36	20		19.26	19.36	19.35		
15	36	39		19.40	19.47	19.40		
15	75	0		19.40	19.39	19.32		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.08	24.20	24.16	25.85	0.3846
10	1	25		23.83	24.25	24.19		
10	1	49		24.06	24.15	24.17		
10	25	0		23.03	23.24	23.18		
10	25	12		23.01	23.26	23.27		
10	25	25		23.10	23.28	23.23		
10	50	0		23.11	23.24	23.15		
10	1	0	16-QAM	23.39	23.63	23.58	25.33	0.3412
10	1	25		23.14	23.73	23.66		
10	1	49		23.50	23.64	23.62		
10	25	0		22.08	22.26	22.18		
10	25	12		22.05	22.29	22.28		
10	25	25		22.18	22.31	22.26		
10	50	0		22.15	22.24	22.19		
10	1	0	64-QAM	22.35	22.57	22.39	24.17	0.2612
10	1	25		22.03	22.56	22.48		
10	1	49		22.31	22.47	22.39		
10	25	0		21.11	21.25	21.16		
10	25	12		21.11	21.26	21.29		
10	25	25		21.21	21.31	21.26		
10	50	0		21.21	21.24	21.16		
10	1	0	256-QAM	19.43	19.55	19.57	21.41	0.1384
10	1	25		19.09	19.81	19.72		
10	1	49		19.54	19.66	19.63		
10	25	0		19.08	19.55	19.48		
10	25	12		19.09	19.59	19.62		
10	25	25		19.23	19.64	19.56		
10	50	0		19.24	19.60	19.50		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.96	24.18	24.16	25.85	0.3846
5	1	12		23.76	24.25	24.21		
5	1	24		23.84	24.18	24.15		
5	12	0		22.98	23.23	23.25		
5	12	7		22.91	23.33	23.29		
5	12	13		22.90	23.30	23.25		
5	25	0		22.92	23.20	23.23		
5	1	0	16-QAM	23.26	23.68	23.60	25.38	0.3451
5	1	12		23.17	23.78	23.67		
5	1	24		23.12	23.67	23.56		
5	12	0		22.05	22.27	22.30		
5	12	7		21.99	22.38	22.37		
5	12	13		21.95	22.35	22.32		
5	25	0		21.97	22.24	22.28		
5	1	0	64-QAM	22.30	22.45	22.40	24.18	0.2618
5	1	12		22.10	22.58	22.54		
5	1	24		22.16	22.48	22.42		
5	12	0		21.06	21.29	21.28		
5	12	7		21.04	21.39	21.35		
5	12	13		20.99	21.34	21.32		
5	25	0		21.01	21.22	21.26		
5	1	0	256-QAM	19.37	19.46	19.51	21.34	0.1361
5	1	12		19.07	19.74	19.68		
5	1	24		19.45	19.66	19.53		
5	12	0		19.05	19.50	19.46		
5	12	7		19.04	19.56	19.62		
5	12	13		19.15	19.60	19.47		
5	25	0		19.17	19.60	19.50		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.82	24.18	24.11	25.85	0.3846
3	1	8		23.73	24.25	24.19		
3	1	14		23.67	24.18	24.11		
3	8	0		22.91	23.24	23.26		
3	8	4		22.89	23.33	23.28		
3	8	7		22.85	23.32	23.26		
3	15	0		22.85	23.23	23.26		
3	1	0	16-QAM	23.14	23.68	23.57	25.32	0.3404
3	1	8		23.09	23.72	23.54		
3	1	14		23.01	23.63	23.50		
3	8	0		22.01	22.34	22.34		
3	8	4		21.98	22.43	22.36		
3	8	7		21.95	22.38	22.36		
3	15	0		21.93	22.24	22.28		
3	1	0	64-QAM	22.14	22.45	22.40	24.18	0.2618
3	1	8		22.06	22.58	22.55		
3	1	14		22.01	22.47	22.37		
3	8	0		21.02	21.26	21.32		
3	8	4		21.00	21.42	21.33		
3	8	7		20.98	21.36	21.32		
3	15	0		20.99	21.26	21.25		
3	1	0	256-QAM	19.34	19.45	19.49	21.34	0.1361
3	1	8		18.97	19.74	19.65		
3	1	14		19.45	19.57	19.51		
3	8	0		19.04	19.48	19.41		
3	8	4		19.03	19.56	19.62		
3	8	7		19.15	19.50	19.41		
3	15	0		19.08	19.60	19.41		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.73	24.23	24.02	25.90	0.3890
1.4	1	3		23.73	24.26	24.02		
1.4	1	5		23.63	24.24	23.99		
1.4	3	0		23.67	24.30	23.97		
1.4	3	1		23.66	24.29	23.97		
1.4	3	3		23.63	24.29	23.97		
1.4	6	0		22.78	23.32	23.09		
1.4	1	0	16-QAM	22.99	23.73	23.46	25.33	0.3412
1.4	1	3		23.00	23.68	23.38		
1.4	1	5		22.92	23.69	23.42		
1.4	3	0		22.86	23.50	23.25		
1.4	3	1		22.82	23.52	23.19		
1.4	3	3		22.78	23.51	23.21		
1.4	6	0		21.90	22.43	22.23		
1.4	1	0	64-QAM	22.04	22.58	22.40	24.18	0.2618
1.4	1	3		22.01	22.55	22.40		
1.4	1	5		21.97	22.58	22.31		
1.4	3	0		21.90	22.49	22.31		
1.4	3	1		21.94	22.44	22.30		
1.4	3	3		21.88	22.45	22.26		
1.4	6	0		20.91	21.38	21.30		
1.4	1	0	256-QAM	19.54	19.72	19.79	21.55	0.1429
1.4	1	3		19.18	19.95	19.91		
1.4	1	5		19.66	19.80	19.71		
1.4	3	0		19.32	19.77	19.69		
1.4	3	1		19.26	19.84	19.88		
1.4	3	3		19.42	19.75	19.67		
1.4	6	0		19.28	19.88	19.65		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.32	24.37	24.50	26.10	0.4074
20	1	49		24.26	24.35	24.31		
20	1	99		23.96	24.06	24.05		
20	50	0		23.14	23.20	23.16		
20	50	24		23.21	23.18	23.17		
20	50	50		23.16	23.23	23.23		
20	100	0		23.20	23.19	23.16		
20	1	0	16-QAM	23.42	23.50	23.38	25.10	0.3236
20	1	49		23.40	23.44	23.47		
20	1	99		23.27	23.40	23.36		
20	50	0		22.19	22.25	22.17		
20	50	24		22.23	22.24	22.20		
20	50	50		22.17	22.25	22.25		
20	100	0		22.23	22.21	22.22		
20	1	0	64-QAM	22.32	22.32	22.35	24.00	0.2512
20	1	49		22.35	22.40	22.40		
20	1	99		22.19	22.36	22.31		
20	50	0		21.17	21.24	21.19		
20	50	24		21.26	21.22	21.20		
20	50	50		21.18	21.24	21.25		
20	100	0		21.22	21.21	21.21		
20	1	0	256-QAM	19.29	19.26	19.18	21.09	0.1285
20	1	49		19.31	19.28	19.30		
20	1	99		19.17	19.35	19.31		
20	50	0		19.25	19.28	19.23		
20	50	24		19.40	19.42	19.45		
20	50	50		19.38	19.46	19.49		
20	100	0		19.23	19.36	19.32		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.93	23.94	23.88	25.57	0.3606
15	1	37		23.89	23.97	23.91		
15	1	74		23.92	23.89	23.83		
15	36	0		23.07	23.07	22.99		
15	36	20		23.04	23.02	23.00		
15	36	39		23.02	23.10	23.07		
15	75	0		23.05	23.02	23.02		
15	1	0	16-QAM	23.39	23.26	23.39	24.99	0.3155
15	1	37		23.22	23.32	23.27		
15	1	74		23.26	23.23	23.21		
15	36	0		22.09	22.08	22.01		
15	36	20		22.06	22.05	22.02		
15	36	39		22.05	22.10	22.10		
15	75	0		22.05	22.03	22.02		
15	1	0	64-QAM	22.17	22.19	22.16	23.81	0.2404
15	1	37		22.15	22.21	22.21		
15	1	74		22.14	22.11	22.08		
15	36	0		21.10	21.07	21.01		
15	36	20		21.08	21.02	21.00		
15	36	39		21.03	21.10	21.06		
15	75	0		21.07	21.02	21.01		
15	1	0	256-QAM	19.24	19.31	19.25	21.08	0.1282
15	1	37		19.33	19.31	19.28		
15	1	74		19.22	19.29	19.28		
15	36	0		19.29	19.30	19.22		
15	36	20		19.32	19.42	19.44		
15	36	39		19.40	19.48	19.48		
15	75	0		19.28	19.41	19.41		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.89	23.97	23.96	25.65	0.3673
10	1	25		23.94	24.03	24.05		
10	1	49		23.84	23.95	23.98		
10	25	0		23.02	22.99	22.98		
10	25	12		23.04	23.00	23.05		
10	25	25		22.98	23.03	23.05		
10	50	0		23.00	22.96	23.04		
10	1	0	16-QAM	23.36	23.50	23.35	25.10	0.3236
10	1	25		23.35	23.40	23.39		
10	1	49		23.26	23.46	23.39		
10	25	0		22.02	22.01	21.97		
10	25	12		22.02	22.02	22.09		
10	25	25		21.99	22.05	22.06		
10	50	0		21.99	21.99	22.05		
10	1	0	64-QAM	22.10	22.27	22.17	23.90	0.2455
10	1	25		22.16	22.29	22.30		
10	1	49		22.13	22.22	22.22		
10	25	0		21.01	21.01	20.97		
10	25	12		21.02	21.00	21.08		
10	25	25		21.00	21.06	21.03		
10	50	0		20.99	20.99	21.05		
10	1	0	256-QAM	19.29	19.29	19.27	21.05	0.1274
10	1	25		19.29	19.31	19.20		
10	1	49		19.20	19.25	19.26		
10	25	0		19.25	19.26	19.23		
10	25	12		19.35	19.33	19.42		
10	25	25		19.40	19.40	19.45		
10	50	0		19.28	19.36	19.32		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.86	23.89	23.90	25.57	0.3606
5	1	12		23.84	23.97	23.95		
5	1	24		23.77	23.87	23.92		
5	12	0		22.95	22.98	22.88		
5	12	7		22.95	22.99	23.01		
5	12	13		22.98	22.99	22.95		
5	25	0		22.92	22.89	22.94		
5	1	0	16-QAM	23.33	23.50	23.26	25.10	0.3236
5	1	12		23.33	23.44	23.31		
5	1	24		23.22	23.37	23.32		
5	12	0		21.92	21.99	21.93		
5	12	7		21.99	22.00	22.06		
5	12	13		21.91	21.95	22.03		
5	25	0		21.98	21.97	22.03		
5	1	0	64-QAM	22.10	22.23	22.13	23.86	0.2432
5	1	12		22.10	22.20	22.26		
5	1	24		22.09	22.13	22.15		
5	12	0		21.01	20.98	20.87		
5	12	7		20.94	20.92	21.04		
5	12	13		20.94	21.01	21.01		
5	25	0		20.97	20.92	21.03		
5	1	0	256-QAM	19.24	19.20	19.21	20.99	0.1256
5	1	12		19.22	19.31	19.15		
5	1	24		19.12	19.17	19.24		
5	12	0		19.16	19.24	19.21		
5	12	7		19.28	19.32	19.39		
5	12	13		19.36	19.36	19.38		
5	25	0		19.26	19.35	19.30		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.83	23.90	23.89	25.62	0.3648
3	1	8		23.92	24.02	23.95		
3	1	14		23.82	23.88	23.96		
3	8	0		22.95	22.97	22.89		
3	8	4		23.00	22.93	23.01		
3	8	7		22.88	23.01	23.01		
3	15	0		22.95	22.92	22.98		
3	1	0	16-QAM	23.32	23.44	23.25	25.05	0.3199
3	1	8		23.32	23.43	23.33		
3	1	14		23.25	23.45	23.39		
3	8	0		22.02	21.96	21.97		
3	8	4		21.97	21.93	22.02		
3	8	7		21.92	22.02	22.01		
3	15	0		21.89	21.98	22.03		
3	1	0	64-QAM	22.05	22.24	22.09	23.88	0.2443
3	1	8		22.11	22.19	22.28		
3	1	14		22.10	22.17	22.20		
3	8	0		20.91	21.01	20.91		
3	8	4		21.02	20.98	21.08		
3	8	7		20.91	21.03	20.96		
3	15	0		20.96	20.92	20.98		
3	1	0	256-QAM	19.22	19.27	19.27	20.96	0.1247
3	1	8		19.22	19.29	19.14		
3	1	14		19.18	19.15	19.24		
3	8	0		19.25	19.20	19.13		
3	8	4		19.35	19.23	19.36		
3	8	7		19.30	19.32	19.36		
3	15	0		19.22	19.28	19.32		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.83	23.92	23.76	25.60	0.3631
1.4	1	3		23.83	23.98	23.62		
1.4	1	5		23.80	23.94	23.54		
1.4	3	0		23.87	23.96	23.69		
1.4	3	1		23.90	23.98	23.64		
1.4	3	3		23.88	24.00	23.54		
1.4	6	0		22.91	22.89	22.84		
1.4	1	0	16-QAM	23.34	23.41	23.06	25.10	0.3236
1.4	1	3		23.38	23.50	22.92		
1.4	1	5		23.30	23.45	22.84		
1.4	3	0		23.11	23.17	22.87		
1.4	3	1		23.10	23.17	22.83		
1.4	3	3		23.12	23.19	22.76		
1.4	6	0		22.02	22.00	21.98		
1.4	1	0	64-QAM	22.18	22.19	22.17	23.91	0.2460
1.4	1	3		22.17	22.31	22.07		
1.4	1	5		22.12	22.28	21.96		
1.4	3	0		22.04	22.15	22.08		
1.4	3	1		22.03	22.14	22.02		
1.4	3	3		22.07	22.18	21.96		
1.4	6	0		20.96	20.97	21.07		
1.4	1	0	256-QAM	19.19	19.25	19.26	21.10	0.1288
1.4	1	3		19.28	19.34	19.20		
1.4	1	5		19.25	19.33	19.29		
1.4	3	0		19.27	19.27	19.26		
1.4	3	1		19.38	19.35	19.38		
1.4	3	3		19.37	19.50	19.46		
1.4	6	0		19.24	19.45	19.37		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.10	24.10	24.35	26.25	0.4217
20	1	49		24.06	24.15	24.12		
20	1	99		24.10	24.16	24.12		
20	50	0		23.10	23.20	23.19		
20	50	24		23.18	23.20	23.25		
20	50	50		23.17	23.22	23.20		
20	100	0		23.18	23.17	23.23		
20	1	0	16-QAM	23.37	23.49	23.50	25.50	0.3548
20	1	49		23.46	23.60	23.41		
20	1	99		23.46	23.38	23.43		
20	50	0		22.13	22.21	22.22		
20	50	24		22.22	22.21	22.30		
20	50	50		22.19	22.23	22.22		
20	100	0		22.19	22.18	22.26		
20	1	0	64-QAM	22.31	22.35	22.45	24.38	0.2742
20	1	49		22.36	22.48	22.32		
20	1	99		22.31	22.34	22.31		
20	50	0		21.09	21.22	21.24		
20	50	24		21.21	21.19	21.30		
20	50	50		21.17	21.24	21.22		
20	100	0		21.18	21.19	21.26		
20	1	0	256-QAM	19.20	19.35	19.45	21.47	0.1403
20	1	49		19.41	19.39	19.46		
20	1	99		19.57	19.55	19.48		
20	50	0		19.20	19.30	19.33		
20	50	24		19.30	19.31	19.40		
20	50	50		19.37	19.43	19.39		
20	100	0		19.35	19.36	19.39		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.88	24.04	24.09	26.00	0.3981
15	1	37		24.02	24.10	24.06		
15	1	74		24.08	24.06	24.05		
15	36	0		23.09	23.18	23.18		
15	36	20		23.12	23.17	23.23		
15	36	39		23.14	23.20	23.19		
15	75	0		23.14	23.15	23.21		
15	1	0	16-QAM	23.27	23.43	23.53	25.44	0.3499
15	1	37		23.34	23.43	23.43		
15	1	74		23.49	23.42	23.54		
15	36	0		22.09	22.20	22.20		
15	36	20		22.15	22.17	22.26		
15	36	39		22.16	22.22	22.21		
15	75	0		22.19	22.19	22.25		
15	1	0	64-QAM	22.14	22.32	22.37	24.28	0.2679
15	1	37		22.26	22.32	22.38		
15	1	74		22.31	22.32	22.29		
15	36	0		21.09	21.20	21.22		
15	36	20		21.14	21.17	21.27		
15	36	39		21.17	21.23	21.23		
15	75	0		21.18	21.16	21.25		
15	1	0	256-QAM	19.32	19.28	19.33	21.53	0.1422
15	1	37		19.32	19.50	19.42		
15	1	74		19.63	19.49	19.63		
15	36	0		19.20	19.32	19.37		
15	36	20		19.33	19.37	19.37		
15	36	39		19.36	19.46	19.46		
15	75	0		19.34	19.33	19.43		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.07	24.27	24.29	26.24	0.4207
10	1	25		24.16	24.34	24.33		
10	1	49		24.10	24.21	24.25		
10	25	0		23.14	23.25	23.25		
10	25	12		23.24	23.29	23.38		
10	25	25		23.22	23.33	23.33		
10	50	0		23.22	23.25	23.33		
10	1	0	16-QAM	23.50	23.71	23.79	25.69	0.3707
10	1	25		23.64	23.75	23.76		
10	1	49		23.55	23.67	23.65		
10	25	0		22.16	22.28	22.30		
10	25	12		22.26	22.30	22.40		
10	25	25		22.23	22.34	22.32		
10	50	0		22.23	22.29	22.35		
10	1	0	64-QAM	22.38	22.54	22.50	24.54	0.2844
10	1	25		22.41	22.59	22.64		
10	1	49		22.38	22.47	22.52		
10	25	0		21.15	21.28	21.30		
10	25	12		21.27	21.30	21.37		
10	25	25		21.21	21.36	21.34		
10	50	0		21.20	21.27	21.35		
10	1	0	256-QAM	19.43	19.50	19.61	21.58	0.1439
10	1	25		19.59	19.68	19.66		
10	1	49		19.47	19.64	19.52		
10	25	0		19.37	19.51	19.49		
10	25	12		19.51	19.58	19.61		
10	25	25		19.50	19.62	19.61		
10	50	0		19.49	19.52	19.57		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.08	24.24	24.23	26.24	0.4207
5	1	12		24.16	24.34	24.31		
5	1	24		24.12	24.28	24.26		
5	12	0		23.13	23.27	23.24		
5	12	7		23.25	23.29	23.36		
5	12	13		23.20	23.34	23.33		
5	25	0		23.20	23.26	23.33		
5	1	0	16-QAM	23.44	23.72	23.63	25.75	0.3758
5	1	12		23.61	23.85	23.80		
5	1	24		23.51	23.70	23.68		
5	12	0		22.18	22.31	22.31		
5	12	7		22.32	22.35	22.40		
5	12	13		22.25	22.40	22.39		
5	25	0		22.22	22.29	22.35		
5	1	0	64-QAM	22.38	22.54	22.57	24.58	0.2871
5	1	12		22.45	22.68	22.63		
5	1	24		22.35	22.55	22.59		
5	12	0		21.19	21.27	21.32		
5	12	7		21.28	21.35	21.41		
5	12	13		21.23	21.36	21.36		
5	25	0		21.24	21.29	21.33		
5	1	0	256-QAM	19.37	19.42	19.57	21.54	0.1426
5	1	12		19.51	19.58	19.64		
5	1	24		19.39	19.55	19.52		
5	12	0		19.35	19.45	19.45		
5	12	7		19.50	19.56	19.60		
5	12	13		19.44	19.60	19.57		
5	25	0		19.47	19.46	19.47		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.08	24.28	24.21	26.24	0.4207
3	1	8		24.19	24.34	24.32		
3	1	14		24.08	24.27	24.26		
3	8	0		23.23	23.28	23.26		
3	8	4		23.25	23.29	23.35		
3	8	7		23.21	23.34	23.32		
3	15	0		23.19	23.28	23.25		
3	1	0	16-QAM	23.55	23.67	23.71	25.71	0.3724
3	1	8		23.66	23.81	23.81		
3	1	14		23.57	23.71	23.74		
3	8	0		22.34	22.40	22.35		
3	8	4		22.34	22.41	22.46		
3	8	7		22.32	22.47	22.43		
3	15	0		22.23	22.29	22.27		
3	1	0	64-QAM	22.42	22.52	22.52	24.54	0.2844
3	1	8		22.46	22.64	22.63		
3	1	14		22.37	22.59	22.56		
3	8	0		21.29	21.32	21.32		
3	8	4		21.27	21.33	21.43		
3	8	7		21.28	21.39	21.38		
3	15	0		21.25	21.28	21.29		
3	1	0	256-QAM	19.36	19.33	19.52	21.44	0.1393
3	1	8		19.49	19.51	19.54		
3	1	14		19.35	19.48	19.49		
3	8	0		19.33	19.45	19.39		
3	8	4		19.40	19.50	19.50		
3	8	7		19.36	19.52	19.49		
3	15	0		19.38	19.44	19.39		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.02	24.30	24.32	26.29	0.4256
1.4	1	3		24.04	24.35	24.36		
1.4	1	5		24.02	24.31	24.30		
1.4	3	0		24.01	24.34	24.36		
1.4	3	1		24.01	24.39	24.38		
1.4	3	3		24.01	24.37	24.35		
1.4	6	0		23.22	23.28	23.33		
1.4	1	0	16-QAM	23.39	23.80	23.84	25.76	0.3767
1.4	1	3		23.37	23.86	23.74		
1.4	1	5		23.41	23.73	23.72		
1.4	3	0		23.20	23.52	23.58		
1.4	3	1		23.23	23.56	23.55		
1.4	3	3		23.21	23.50	23.56		
1.4	6	0		22.31	22.36	22.46		
1.4	1	0	64-QAM	22.47	22.58	22.61	24.57	0.2864
1.4	1	3		22.45	22.60	22.62		
1.4	1	5		22.37	22.67	22.65		
1.4	3	0		22.36	22.50	22.50		
1.4	3	1		22.36	22.55	22.49		
1.4	3	3		22.33	22.52	22.54		
1.4	6	0		21.28	21.32	21.42		
1.4	1	0	256-QAM	19.32	19.32	19.47	21.41	0.1384
1.4	1	3		19.45	19.51	19.49		
1.4	1	5		19.28	19.40	19.46		
1.4	3	0		19.25	19.38	19.35		
1.4	3	1		19.37	19.43	19.46		
1.4	3	3		19.27	19.48	19.43		
1.4	6	0		19.32	19.43	19.29		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.14	24.12	24.03	22.79	0.1901
10	1	25		24.13	24.13	23.90		
10	1	49		24.11	24.04	23.93		
10	25	0		23.21	23.11	23.11		
10	25	12		23.30	23.15	23.07		
10	25	25		23.16	23.15	22.97		
10	50	0		23.18	23.09	23.00		
10	1	0	16-QAM	23.38	23.31	23.29	22.07	0.1611
10	1	25		23.29	23.27	23.13		
10	1	49		23.42	23.29	23.19		
10	25	0		22.20	22.13	22.13		
10	25	12		22.26	22.15	22.09		
10	25	25		22.25	22.16	22.06		
10	50	0		22.24	22.14	22.04		
10	1	0	64-QAM	22.45	22.42	22.28	21.10	0.1288
10	1	25		22.39	22.37	22.16		
10	1	49		22.40	22.33	22.14		
10	25	0		21.14	21.19	21.08		
10	25	12		21.30	21.15	21.11		
10	25	25		21.17	21.12	20.97		
10	50	0		21.28	21.10	21.06		
10	1	0	256-QAM	19.32	19.36	19.31	18.13	0.0650
10	1	25		19.34	19.48	19.26		
10	1	49		19.28	19.22	19.24		
10	25	0		19.19	19.26	19.22		
10	25	12		19.37	19.24	19.26		
10	25	25		19.27	19.29	19.13		
10	50	0		19.23	19.17	19.17		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.17	24.11	24.01	22.94	0.1968
5	1	12		24.29	24.20	24.08		
5	1	24		24.16	24.11	23.97		
5	12	0		23.19	23.21	22.93		
5	12	7		23.25	23.21	23.08		
5	12	13		23.26	23.24	23.04		
5	25	0		23.25	23.16	22.95		
5	1	0	16-QAM	23.32	23.31	23.17	22.12	0.1629
5	1	12		23.47	23.41	23.27		
5	1	24		23.35	23.35	23.02		
5	12	0		22.27	22.21	22.07		
5	12	7		22.35	22.29	22.11		
5	12	13		22.27	22.23	22.05		
5	25	0		22.25	22.14	21.98		
5	1	0	64-QAM	22.46	22.38	22.20	21.15	0.1303
5	1	12		22.50	22.45	22.35		
5	1	24		22.40	22.35	22.20		
5	12	0		21.22	21.18	21.03		
5	12	7		21.30	21.20	21.11		
5	12	13		21.24	21.28	21.12		
5	25	0		21.34	21.22	20.95		
5	1	0	256-QAM	19.35	19.33	19.21	18.08	0.0643
5	1	12		19.37	19.43	19.25		
5	1	24		19.33	19.29	19.16		
5	12	0		19.19	19.25	19.02		
5	12	7		19.34	19.24	19.15		
5	12	13		19.25	19.28	19.12		
5	25	0		19.30	19.23	19.12		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.14	24.09	23.95	22.89	0.1945
3	1	8		24.24	24.14	24.00		
3	1	14		24.16	24.06	23.88		
3	8	0		23.24	23.19	23.04		
3	8	4		23.24	23.20	23.01		
3	8	7		23.23	23.27	23.07		
3	15	0		23.27	23.08	23.06		
3	1	0	16-QAM	23.25	23.35	23.12	22.12	0.1629
3	1	8		23.47	23.38	23.25		
3	1	14		23.35	23.32	23.11		
3	8	0		22.43	22.24	22.12		
3	8	4		22.33	22.25	22.15		
3	8	7		22.36	22.27	22.16		
3	15	0		22.25	22.14	22.05		
3	1	0	64-QAM	22.43	22.40	22.25	21.15	0.1303
3	1	8		22.38	22.50	22.30		
3	1	14		22.38	22.36	22.12		
3	8	0		21.28	21.22	21.06		
3	8	4		21.35	21.19	21.12		
3	8	7		21.30	21.27	21.07		
3	15	0		21.30	21.20	21.05		
3	1	0	256-QAM	19.16	19.37	19.21	18.05	0.0638
3	1	8		19.37	19.35	19.27		
3	1	14		19.24	19.40	19.10		
3	8	0		19.28	19.27	19.13		
3	8	4		19.27	19.28	19.15		
3	8	7		19.27	19.30	19.07		
3	15	0		19.25	19.16	19.06		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.29	24.18	24.01	22.95	0.1972
1.4	1	3		24.21	24.20	24.01		
1.4	1	5		24.21	24.20	23.91		
1.4	3	0		24.22	24.18	24.06		
1.4	3	1		24.30	24.18	24.04		
1.4	3	3		24.29	24.26	23.99		
1.4	6	0		23.26	23.13	22.97		
1.4	1	0	16-QAM	23.39	23.35	23.18	22.10	0.1622
1.4	1	3		23.39	23.39	23.29		
1.4	1	5		23.40	23.44	23.10		
1.4	3	0		23.45	23.36	23.19		
1.4	3	1		23.40	23.36	23.21		
1.4	3	3		23.45	23.38	23.18		
1.4	6	0		22.32	22.32	22.10		
1.4	1	0	64-QAM	22.45	22.45	22.24	21.13	0.1297
1.4	1	3		22.47	22.46	22.20		
1.4	1	5		22.45	22.41	22.06		
1.4	3	0		22.48	22.42	22.11		
1.4	3	1		22.37	22.35	22.12		
1.4	3	3		22.38	22.30	22.13		
1.4	6	0		21.34	21.20	21.01		
1.4	1	0	256-QAM	19.30	19.36	19.21	18.07	0.0641
1.4	1	3		19.31	19.37	19.17		
1.4	1	5		19.30	19.35	19.28		
1.4	3	0		19.37	19.35	19.16		
1.4	3	1		19.42	19.24	19.22		
1.4	3	3		19.36	19.37	19.14		
1.4	6	0		19.35	19.19	19.07		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.21	23.36	23.44	24.22	0.2642
20	1	49		23.44	23.54	23.51		
20	1	99		23.46	23.62	23.45		
20	50	0		22.46	22.58	22.58		
20	50	24		22.46	22.58	22.62		
20	50	50		22.50	22.62	22.56		
20	100	0		22.47	22.57	22.63		
20	1	0	16-QAM	21.54	22.71	22.76	23.55	0.2265
20	1	49		22.74	22.95	22.92		
20	1	99		22.80	22.89	22.82		
20	50	0		21.49	21.59	21.61		
20	50	24		21.47	21.60	21.65		
20	50	50		21.54	21.64	21.60		
20	100	0		21.50	21.58	21.65		
20	1	0	64-QAM	20.52	21.69	21.65	22.39	0.1734
20	1	49		21.68	21.78	21.74		
20	1	99		21.75	21.79	21.75		
20	50	0		20.49	20.61	20.61		
20	50	24		20.48	20.61	20.65		
20	50	50		20.52	20.62	20.56		
20	100	0		20.49	20.59	20.64		
20	1	0	256-QAM	18.09	18.48	18.58	19.18	0.0828
20	1	49		18.56	18.49	18.54		
20	1	99		18.51	18.43	18.42		
20	50	0		18.58	18.40	18.45		
20	50	24		18.37	18.30	18.46		
20	50	50		18.43	18.36	18.41		
20	100	0		18.46	18.35	18.46		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.42	23.60	23.55	24.31	0.2698
15	1	37		23.55	23.71	23.59		
15	1	74		23.61	23.70	23.57		
15	36	0		22.61	22.75	22.70		
15	36	20		22.68	22.74	22.74		
15	36	39		22.62	22.73	22.65		
15	75	0		22.69	22.72	22.71		
15	1	0	16-QAM	22.79	22.91	22.89	23.66	0.2323
15	1	37		22.98	23.06	23.01		
15	1	74		22.95	23.00	22.97		
15	36	0		21.64	21.79	21.71		
15	36	20		21.70	21.74	21.73		
15	36	39		21.65	21.76	21.67		
15	75	0		21.70	21.75	21.74		
15	1	0	64-QAM	21.70	21.83	21.76	22.54	0.1795
15	1	37		21.82	21.94	21.82		
15	1	74		21.84	21.92	21.82		
15	36	0		20.62	20.76	20.71		
15	36	20		20.68	20.73	20.74		
15	36	39		20.63	20.78	20.67		
15	75	0		20.70	20.74	20.72		
15	1	0	256-QAM	18.73	18.65	18.91	19.51	0.0893
15	1	37		18.81	18.76	18.87		
15	1	74		18.76	18.56	18.83		
15	36	0		18.81	18.61	18.89		
15	36	20		18.88	18.65	18.85		
15	36	39		18.67	18.63	18.74		
15	75	0		18.78	18.65	18.87		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.64	23.82	23.71	24.49	0.2812
10	1	25		23.75	23.89	23.80		
10	1	49		23.76	23.88	23.76		
10	25	0		22.79	22.95	22.84		
10	25	12		22.86	22.92	22.87		
10	25	25		22.83	22.93	22.86		
10	50	0		22.82	22.89	22.84		
10	1	0	16-QAM	23.07	23.25	23.23	23.91	0.2460
10	1	25		23.12	23.28	23.25		
10	1	49		23.14	23.31	23.23		
10	25	0		21.80	21.98	21.86		
10	25	12		21.85	21.95	21.89		
10	25	25		21.85	21.96	21.87		
10	50	0		21.82	21.91	21.86		
10	1	0	64-QAM	21.94	22.07	22.04	22.75	0.1884
10	1	25		21.97	22.12	22.15		
10	1	49		22.02	22.11	22.07		
10	25	0		20.80	20.96	20.86		
10	25	12		20.88	20.92	20.88		
10	25	25		20.87	20.93	20.85		
10	50	0		20.84	20.92	20.85		
10	1	0	256-QAM	18.82	18.62	18.97	19.57	0.0906
10	1	25		18.83	18.74	18.92		
10	1	49		18.74	18.58	18.82		
10	25	0		18.78	18.60	18.92		
10	25	12		18.90	18.65	18.91		
10	25	25		18.73	18.60	18.76		
10	50	0		18.79	18.57	18.84		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.61	23.81	23.71	24.46	0.2793
5	1	12		23.68	23.86	23.76		
5	1	24		23.65	23.82	23.69		
5	12	0		22.71	22.89	22.76		
5	12	7		22.77	22.87	22.79		
5	12	13		22.67	22.85	22.77		
5	25	0		22.67	22.83	22.75		
5	1	0	16-QAM	23.04	23.23	23.21	23.93	0.2472
5	1	12		23.08	23.33	23.29		
5	1	24		23.05	23.24	23.20		
5	12	0		21.77	21.93	21.81		
5	12	7		21.83	21.92	21.85		
5	12	13		21.71	21.89	21.84		
5	25	0		21.68	21.85	21.78		
5	1	0	64-QAM	21.91	22.06	22.01	22.71	0.1866
5	1	12		21.93	22.10	22.01		
5	1	24		21.91	22.11	21.97		
5	12	0		20.78	20.97	20.78		
5	12	7		20.83	20.92	20.84		
5	12	13		20.72	20.89	20.78		
5	25	0		20.69	20.85	20.77		
5	1	0	256-QAM	18.83	18.67	19.00	19.60	0.0912
5	1	12		18.88	18.83	18.94		
5	1	24		18.78	18.61	18.92		
5	12	0		18.87	18.69	18.92		
5	12	7		18.90	18.67	18.93		
5	12	13		18.77	18.63	18.83		
5	25	0		18.80	18.65	18.92		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.96	23.29	23.37	21.17	0.1309
10	1	25		23.03	23.40	23.42		
10	1	49		23.12	23.42	23.38		
10	25	0		22.04	22.42	22.43		
10	25	12		22.19	22.46	22.47		
10	25	25		22.38	22.52	22.52		
10	50	0		22.48	22.44	22.46		
10	1	0	16-QAM	22.72	22.72	22.82	20.66	0.1164
10	1	25		22.71	22.81	22.78		
10	1	49		22.91	22.79	22.84		
10	25	0		21.42	21.43	21.47		
10	25	12		21.54	21.47	21.48		
10	25	25		21.54	21.57	21.54		
10	50	0		21.48	21.42	21.47		
10	1	0	64-QAM	21.50	21.58	21.64	19.50	0.0891
10	1	25		21.68	21.65	21.74		
10	1	49		21.75	21.63	21.70		
10	25	0		20.37	20.43	20.48		
10	25	12		20.52	20.48	20.50		
10	25	25		20.53	20.52	20.54		
10	50	0		20.48	20.46	20.46		
10	1	0	256-QAM	18.95	18.96	18.97	16.72	0.0470
10	1	25		18.92	18.97	18.91		
10	1	49		18.96	18.84	18.94		
10	25	0		18.89	18.91	18.93		
10	25	12		18.87	18.86	18.92		
10	25	25		18.95	18.88	18.90		
10	50	0		18.88	18.95	18.89		
Limit	ERP < 30W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.55	23.62	23.62	21.49	0.1409
5	1	12		23.67	23.74	23.71		
5	1	24		23.64	23.66	23.64		
5	12	0		22.62	22.68	22.66		
5	12	7		22.73	22.72	22.77		
5	12	13		22.69	22.77	22.76		
5	25	0		22.68	22.67	22.74		
5	1	0	16-QAM	22.87	22.94	23.00	20.75	0.1189
5	1	12		22.99	23.00	22.91		
5	1	24		22.96	22.88	22.87		
5	12	0		21.67	21.72	21.72		
5	12	7		21.80	21.77	21.84		
5	12	13		21.77	21.80	21.79		
5	25	0		21.71	21.69	21.76		
5	1	0	64-QAM	21.77	21.88	21.89	19.72	0.0938
5	1	12		21.90	21.97	21.97		
5	1	24		21.82	21.97	21.87		
5	12	0		20.64	20.71	20.71		
5	12	7		20.78	20.80	20.78		
5	12	13		20.75	20.83	20.77		
5	25	0		20.72	20.67	20.76		
5	1	0	256-QAM	18.97	18.96	18.93	16.75	0.0473
5	1	12		18.97	18.97	18.95		
5	1	24		19.00	19.00	18.92		
5	12	0		18.89	18.99	18.88		
5	12	7		18.96	18.94	18.99		
5	12	13		18.93	18.94	18.96		
5	25	0		18.92	18.88	18.99		
Limit	ERP < 30W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.54	23.62	23.60	21.50	0.1413
3	1	8		23.65	23.75	23.70		
3	1	14		23.57	23.63	23.62		
3	8	0		22.64	22.70	22.68		
3	8	4		22.74	22.72	22.80		
3	8	7		22.72	22.76	22.76		
3	15	0		22.70	22.67	22.65		
3	1	0	16-QAM	22.91	22.99	22.97	20.74	0.1186
3	1	8		22.95	22.94	22.95		
3	1	14		22.92	22.83	22.87		
3	8	0		21.74	21.75	21.76		
3	8	4		21.80	21.80	21.84		
3	8	7		21.80	21.88	21.85		
3	15	0		21.71	21.72	21.68		
3	1	0	64-QAM	21.83	21.98	21.88	19.75	0.0944
3	1	8		21.93	21.93	22.00		
3	1	14		21.81	21.91	21.95		
3	8	0		20.67	20.75	20.73		
3	8	4		20.76	20.74	20.82		
3	8	7		20.80	20.78	20.81		
3	15	0		20.72	20.71	20.68		
3	1	0	256-QAM	18.86	18.97	19.00	16.75	0.0473
3	1	8		18.85	18.96	18.93		
3	1	14		18.94	18.87	18.91		
3	8	0		18.86	18.93	18.96		
3	8	4		18.95	18.94	18.99		
3	8	7		18.91	18.83	18.96		
3	15	0		18.93	18.94	18.87		
Limit	ERP < 30W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.59	23.66	23.64	21.48	0.1406
1.4	1	3		23.61	23.71	23.68		
1.4	1	5		23.61	23.69	23.68		
1.4	3	0		23.68	23.70	23.70		
1.4	3	1		23.70	23.70	23.68		
1.4	3	3		23.68	23.73	23.69		
1.4	6	0		22.69	22.66	22.72		
1.4	1	0	16-QAM	22.94	22.94	22.89	20.73	0.1183
1.4	1	3		22.97	22.94	22.96		
1.4	1	5		22.98	22.96	22.95		
1.4	3	0		22.80	22.89	22.84		
1.4	3	1		22.87	22.88	22.86		
1.4	3	3		22.81	22.91	22.84		
1.4	6	0		21.75	21.73	21.83		
1.4	1	0	64-QAM	21.87	21.92	21.91	19.74	0.0942
1.4	1	3		21.89	21.90	21.99		
1.4	1	5		21.85	21.91	21.91		
1.4	3	0		21.78	21.83	21.84		
1.4	3	1		21.79	21.83	21.84		
1.4	3	3		21.75	21.87	21.81		
1.4	6	0		20.72	20.71	20.79		
1.4	1	0	256-QAM	18.82	18.88	18.91	16.75	0.0473
1.4	1	3		18.90	18.96	18.99		
1.4	1	5		18.93	19.00	18.92		
1.4	3	0		18.95	18.89	18.99		
1.4	3	1		18.85	18.93	18.98		
1.4	3	3		18.91	18.96	18.94		
1.4	6	0		18.84	18.90	19.00		
Limit	ERP < 30W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.19	-	22.04	0.1600
10	1	25			24.29			
10	1	49			24.29			
10	25	0			23.33			
10	25	12			23.27			
10	25	25			23.34			
10	50	0			23.31			
10	1	0	16-QAM		23.50		21.25	0.1334
10	1	25			23.39			
10	1	49			23.45			
10	25	0			22.40			
10	25	12			22.40			
10	25	25			22.38			
10	50	0			22.38			
10	1	0	64-QAM		22.47		20.22	0.1052
10	1	25			22.44			
10	1	49			22.38			
10	25	0			21.30			
10	25	12			21.29			
10	25	25			21.33			
10	50	0			21.34			
10	1	0	256-QAM		19.44		17.19	0.0524
10	1	25			19.28			
10	1	49			19.41			
10	25	0			19.32			
10	25	12			19.24			
10	25	25			19.30			
10	50	0			19.28			
Limit	ERP < 30W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.22	24.29	24.26	22.10	0.1622
5	1	12		24.25	24.32	24.35		
5	1	24		24.18	24.25	24.21		
5	12	0		23.25	23.18	23.21		
5	12	7		23.35	23.24	23.34		
5	12	13		23.26	23.23	23.29		
5	25	0		23.31	23.25	23.26		
5	1	0	16-QAM	23.35	23.39	23.44	21.22	0.1324
5	1	12		23.47	23.43	23.47		
5	1	24		23.43	23.35	23.36		
5	12	0		22.31	22.26	22.22		
5	12	7		22.43	22.26	22.40		
5	12	13		22.31	22.28	22.29		
5	25	0		22.27	22.22	22.27		
5	1	0	64-QAM	22.44	22.46	22.47	20.24	0.1057
5	1	12		22.44	22.49	22.49		
5	1	24		22.43	22.48	22.46		
5	12	0		21.22	21.32	21.30		
5	12	7		21.44	21.33	21.31		
5	12	13		21.31	21.33	21.28		
5	25	0		21.32	21.27	21.35		
5	1	0	256-QAM	19.30	19.38	19.37	17.18	0.0522
5	1	12		19.43	19.42	19.43		
5	1	24		19.33	19.32	19.32		
5	12	0		19.37	19.30	19.33		
5	12	7		19.25	19.37	19.40		
5	12	13		19.33	19.20	19.33		
5	25	0		19.34	19.20	19.26		
Limit	ERP < 30W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.99	24.18	23.98	22.83	0.1919
15	1	37		24.04	23.86	23.93		
15	1	74		23.90	24.11	23.73		
15	36	0		23.11	23.01	23.00		
15	36	20		23.08	22.98	22.94		
15	36	39		23.12	23.27	22.98		
15	75	0		23.09	23.21	22.99		
15	1	0	16-QAM	23.39	23.37	23.31	22.11	0.1626
15	1	37		23.38	23.46	23.23		
15	1	74		23.20	23.16	23.10		
15	36	0		22.11	22.13	22.03		
15	36	20		22.10	22.37	21.96		
15	36	39		22.14	22.24	21.98		
15	75	0		22.10	22.02	21.96		
15	1	0	64-QAM	22.22	22.26	22.25	20.98	0.1253
15	1	37		22.33	22.19	22.12		
15	1	74		22.16	22.14	22.02		
15	36	0		21.12	20.95	20.99		
15	36	20		21.08	21.05	20.96		
15	36	39		21.12	21.29	21.01		
15	75	0		21.09	21.11	20.98		
15	1	0	256-QAM	19.30	19.08	19.15	18.03	0.0635
15	1	37		19.25	19.38	19.12		
15	1	74		19.25	19.35	19.14		
15	36	0		19.20	19.13	19.10		
15	36	20		19.07	19.18	19.02		
15	36	39		19.18	18.93	19.09		
15	75	0		19.17	19.18	19.11		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.82	23.92	23.89	22.65	0.1841
10	1	25		24.00	23.94	23.93		
10	1	49		23.96	23.96	23.73		
10	25	0		23.00	22.94	22.99		
10	25	12		23.15	22.97	22.85		
10	25	25		23.17	22.94	22.90		
10	50	0		23.08	23.12	22.90		
10	1	0	16-QAM	23.18	23.28	23.29	22.06	0.1607
10	1	25		23.41	23.36	23.16		
10	1	49		23.26	23.17	23.06		
10	25	0		22.10	22.00	21.99		
10	25	12		22.19	22.10	21.95		
10	25	25		22.11	22.06	21.90		
10	50	0		22.14	22.10	21.94		
10	1	0	64-QAM	22.25	22.22	22.19	20.90	0.1230
10	1	25		22.15	22.24	22.04		
10	1	49		22.16	22.05	22.01		
10	25	0		21.12	21.09	20.96		
10	25	12		21.24	20.98	20.94		
10	25	25		21.06	20.96	20.99		
10	50	0		21.07	20.99	20.91		
10	1	0	256-QAM	19.11	19.22	19.07	17.87	0.0612
10	1	25		19.08	19.16	19.04		
10	1	49		19.16	19.11	19.10		
10	25	0		19.14	19.21	19.06		
10	25	12		19.08	18.98	18.94		
10	25	25		19.11	18.99	19.09		
10	50	0		19.20	19.12	19.07		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.00	23.90	23.96	22.71	0.1866
5	1	12		24.02	24.06	23.88		
5	1	24		23.85	23.74	23.66		
5	12	0		23.12	23.15	22.99		
5	12	7		23.02	22.92	22.85		
5	12	13		23.04	23.06	22.96		
5	25	0		23.13	23.06	22.98		
5	1	0	16-QAM	23.35	23.25	23.26	22.03	0.1596
5	1	12		23.38	23.29	23.17		
5	1	24		23.27	23.14	23.06		
5	12	0		21.98	22.19	22.01		
5	12	7		22.08	22.11	21.90		
5	12	13		22.04	22.07	21.96		
5	25	0		22.16	21.98	21.91		
5	1	0	64-QAM	22.12	22.08	22.23	20.90	0.1230
5	1	12		22.22	22.23	22.11		
5	1	24		22.25	22.09	21.95		
5	12	0		21.06	21.11	20.91		
5	12	7		21.18	20.95	20.87		
5	12	13		21.10	21.04	21.01		
5	25	0		21.17	21.05	20.91		
5	1	0	256-QAM	19.19	19.11	19.10	17.94	0.0622
5	1	12		19.21	19.29	19.08		
5	1	24		19.24	19.26	19.06		
5	12	0		18.98	19.13	19.09		
5	12	7		19.04	18.97	19.00		
5	12	13		19.08	19.15	19.01		
5	25	0		19.05	19.19	19.09		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.94	23.96	23.93	22.76	0.1888
3	1	8		24.03	24.11	23.85		
3	1	14		23.94	23.95	23.66		
3	8	0		22.96	23.10	22.96		
3	8	4		23.23	23.07	22.89		
3	8	7		23.18	23.09	22.90		
3	15	0		23.13	22.98	22.90		
3	1	0	16-QAM	23.42	23.32	23.25	22.10	0.1622
3	1	8		23.45	23.24	23.22		
3	1	14		23.31	23.05	23.09		
3	8	0		22.13	22.05	22.02		
3	8	4		22.14	22.08	21.96		
3	8	7		22.18	22.15	21.98		
3	15	0		22.13	22.00	21.90		
3	1	0	64-QAM	22.11	22.21	22.17	20.88	0.1225
3	1	8		22.23	22.17	22.06		
3	1	14		22.09	22.06	21.98		
3	8	0		21.18	21.14	20.99		
3	8	4		21.13	21.05	20.86		
3	8	7		21.03	21.12	20.93		
3	15	0		21.14	21.14	20.91		
3	1	0	256-QAM	19.03	19.31	19.05	17.96	0.0625
3	1	8		19.19	19.12	19.08		
3	1	14		19.26	19.28	19.13		
3	8	0		19.17	19.26	19.05		
3	8	4		18.94	19.01	18.92		
3	8	7		19.13	19.06	19.04		
3	15	0		19.08	19.07	19.10		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.27	24.16	23.95	23.00	0.1995
1.4	1	3		24.26	24.22	23.97		
1.4	1	5		24.17	24.19	23.93		
1.4	3	0		24.26	24.23	23.98		
1.4	3	1		24.24	24.25	23.97		
1.4	3	3		24.35	24.21	23.97		
1.4	6	0		23.34	23.20	22.96		
1.4	1	0	16-QAM	23.34	23.56	23.28	22.21	0.1663
1.4	1	3		23.42	23.52	23.35		
1.4	1	5		23.42	23.46	23.30		
1.4	3	0		23.47	23.36	23.10		
1.4	3	1		23.34	23.45	23.14		
1.4	3	3		23.37	23.28	23.12		
1.4	6	0		22.28	22.19	22.05		
1.4	1	0	64-QAM	22.47	22.34	22.16	21.15	0.1303
1.4	1	3		22.50	22.33	22.16		
1.4	1	5		22.46	22.38	22.09		
1.4	3	0		22.30	22.32	22.12		
1.4	3	1		22.35	22.30	22.09		
1.4	3	3		22.33	22.35	22.09		
1.4	6	0		21.36	21.13	21.01		
1.4	1	0	256-QAM	19.36	19.35	18.95	18.06	0.0640
1.4	1	3		19.40	19.41	18.87		
1.4	1	5		19.37	19.28	18.70		
1.4	3	0		19.27	19.24	19.15		
1.4	3	1		19.38	19.33	19.07		
1.4	3	3		19.37	19.33	19.06		
1.4	6	0		19.41	19.24	19.11		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.35	23.37	23.48	23.97	0.2495
20	1	49		23.44	23.49	23.56		
20	1	99		23.43	23.48	23.57		
20	50	0		22.44	22.42	22.50		
20	50	24		22.51	22.53	22.55		
20	50	50		22.52	22.59	22.65		
20	100	0		22.48	22.53	22.53		
20	1	0	16-QAM	22.34	22.43	22.45	23.02	0.2004
20	1	49		22.40	22.58	22.62		
20	1	99		22.51	22.57	22.60		
20	50	0		21.48	21.41	21.52		
20	50	24		21.52	21.55	21.57		
20	50	50		21.56	21.61	21.66		
20	100	0		21.52	21.53	21.56		
20	1	0	64-QAM	21.31	21.31	21.41	21.90	0.1549
20	1	49		21.39	21.45	21.50		
20	1	99		21.39	21.50	21.50		
20	50	0		20.45	20.43	20.51		
20	50	24		20.51	20.56	20.57		
20	50	50		20.53	20.62	20.65		
20	100	0		20.50	20.52	20.55		
20	1	0	256-QAM	18.60	18.87	18.57	19.33	0.0857
20	1	49		18.57	18.93	18.64		
20	1	99		18.68	18.64	18.63		
20	50	0		18.72	18.72	18.67		
20	50	24		18.68	18.78	18.70		
20	50	50		18.70	18.78	18.73		
20	100	0		18.70	18.80	18.72		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.33	23.40	23.47	24.01	0.2518
15	1	37		23.48	23.46	23.61		
15	1	74		23.43	23.50	23.53		
15	36	0		22.48	22.46	22.52		
15	36	20		22.51	22.57	22.63		
15	36	39		22.55	22.58	22.67		
15	75	0		22.51	22.55	22.62		
15	1	0	16-QAM	22.36	22.40	22.47	22.98	0.1986
15	1	37		22.45	22.54	22.58		
15	1	74		22.45	22.53	22.55		
15	36	0		21.52	21.46	21.56		
15	36	20		21.52	21.58	21.63		
15	36	39		21.53	21.59	21.67		
15	75	0		21.51	21.58	21.64		
15	1	0	64-QAM	21.31	21.38	21.43	21.96	0.1570
15	1	37		21.39	21.44	21.50		
15	1	74		21.45	21.43	21.56		
15	36	0		20.47	20.44	20.50		
15	36	20		20.53	20.58	20.63		
15	36	39		20.55	20.58	20.66		
15	75	0		20.52	20.58	20.65		
15	1	0	256-QAM	18.50	18.52	18.73	19.23	0.0838
15	1	37		18.62	18.65	18.69		
15	1	74		18.61	18.70	18.76		
15	36	0		18.72	18.65	18.79		
15	36	20		18.72	18.67	18.83		
15	36	39		18.75	18.70	18.81		
15	75	0		18.73	18.74	18.83		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.49	23.60	23.70	24.19	0.2624
10	1	25		23.61	23.68	23.79		
10	1	49		23.58	23.69	23.75		
10	25	0		22.57	22.57	22.67		
10	25	12		22.64	22.70	22.72		
10	25	25		22.64	22.71	22.80		
10	50	0		22.64	22.70	22.80		
10	1	0	16-QAM	22.56	22.60	22.70	23.20	0.2089
10	1	25		22.66	22.74	22.80		
10	1	49		22.64	22.73	22.80		
10	25	0		21.61	21.61	21.68		
10	25	12		21.67	21.73	21.70		
10	25	25		21.64	21.69	21.80		
10	50	0		21.62	21.67	21.79		
10	1	0	64-QAM	21.44	21.51	21.59	22.18	0.1652
10	1	25		21.54	21.73	21.78		
10	1	49		21.51	21.64	21.75		
10	25	0		20.60	20.59	20.69		
10	25	12		20.66	20.70	20.73		
10	25	25		20.62	20.70	20.78		
10	50	0		20.62	20.69	20.80		
10	1	0	256-QAM	18.78	18.66	18.65	19.40	0.0871
10	1	25		18.97	18.83	18.82		
10	1	49		18.92	18.70	18.80		
10	25	0		18.96	18.77	18.78		
10	25	12		19.00	18.85	18.83		
10	25	25		18.98	18.83	18.87		
10	50	0		18.96	18.83	18.84		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.53	23.62	23.72	24.19	0.2624
5	1	12		23.63	23.73	23.79		
5	1	24		23.56	23.65	23.76		
5	12	0		22.58	22.67	22.67		
5	12	7		22.68	22.69	22.73		
5	12	13		22.62	22.69	22.79		
5	25	0		22.62	22.68	22.69		
5	1	0	16-QAM	22.61	22.63	22.73	23.23	0.2104
5	1	12		22.71	22.71	22.83		
5	1	24		22.61	22.69	22.81		
5	12	0		21.61	21.71	21.68		
5	12	7		21.64	21.73	21.72		
5	12	13		21.67	21.72	21.84		
5	25	0		21.64	21.66	21.70		
5	1	0	64-QAM	21.48	21.59	21.65	22.11	0.1626
5	1	12		21.63	21.61	21.71		
5	1	24		21.60	21.57	21.67		
5	12	0		20.69	20.69	20.64		
5	12	7		20.69	20.71	20.79		
5	12	13		20.66	20.76	20.82		
5	25	0		20.60	20.69	20.70		
5	1	0	256-QAM	18.63	18.81	18.81	19.38	0.0867
5	1	12		18.81	18.81	18.97		
5	1	24		18.66	18.74	18.88		
5	12	0		18.78	18.80	18.92		
5	12	7		18.81	18.85	18.92		
5	12	13		18.80	18.79	18.98		
5	25	0		18.77	18.83	18.90		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.04	24.05	23.93	26.89	0.4887
20	1	49		24.08	24.09	23.95		
20	1	99		24.04	24.06	24.01		
20	50	0		23.08	23.06	23.01		
20	50	24		23.21	23.07	23.03		
20	50	50		23.18	23.13	22.99		
20	100	0		23.18	23.06	23.04		
20	1	0	16-QAM	23.04	23.17	23.03	25.97	0.3954
20	1	49		23.09	23.09	23.09		
20	1	99		23.13	23.12	23.07		
20	50	0		22.09	22.05	22.03		
20	50	24		22.20	22.08	22.06		
20	50	50		22.20	22.12	21.97		
20	100	0		22.18	22.05	22.04		
20	1	0	64-QAM	21.95	22.02	21.85	24.85	0.3055
20	1	49		22.03	22.03	21.89		
20	1	99		22.01	22.05	21.97		
20	50	0		21.08	21.05	21.01		
20	50	24		21.20	21.06	21.02		
20	50	50		21.18	21.14	20.97		
20	100	0		21.17	21.04	21.00		
20	1	0	256-QAM	19.32	19.48	19.31	22.29	0.1694
20	1	49		19.33	19.49	19.35		
20	1	99		19.30	19.46	19.29		
20	50	0		19.41	19.43	19.46		
20	50	24		19.38	19.45	19.48		
20	50	50		19.40	19.40	19.40		
20	100	0		19.43	19.42	19.41		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.92	24.07	23.89	26.94	0.4943
15	1	37		24.05	24.08	23.94		
15	1	74		23.96	24.14	23.98		
15	36	0		22.98	23.08	22.99		
15	36	20		23.11	23.09	22.99		
15	36	39		23.09	23.16	22.91		
15	75	0		23.10	23.09	22.97		
15	1	0	16-QAM	22.92	23.13	23.02	25.96	0.3945
15	1	37		23.01	23.15	23.01		
15	1	74		23.01	23.16	23.05		
15	36	0		22.01	22.10	22.00		
15	36	20		22.13	22.11	22.00		
15	36	39		22.09	22.17	21.93		
15	75	0		22.12	22.10	21.98		
15	1	0	64-QAM	21.87	21.97	21.79	24.92	0.3105
15	1	37		21.94	22.03	21.85		
15	1	74		21.89	22.12	21.91		
15	36	0		21.01	21.10	20.98		
15	36	20		21.09	21.10	20.99		
15	36	39		21.09	21.18	20.93		
15	75	0		21.12	21.09	20.98		
15	1	0	256-QAM	19.26	19.44	19.27	22.24	0.1675
15	1	37		19.24	19.44	19.30		
15	1	74		19.30	19.36	19.21		
15	36	0		19.35	19.36	19.39		
15	36	20		19.29	19.38	19.42		
15	36	39		19.33	19.30	19.30		
15	75	0		19.34	19.42	19.37		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.14	24.21	24.04	27.13	0.5164
10	1	25		24.21	24.33	24.14		
10	1	49		24.17	24.26	24.07		
10	25	0		23.12	23.25	23.18		
10	25	12		23.24	23.26	23.22		
10	25	25		23.20	23.32	23.10		
10	50	0		23.23	23.26	23.20		
10	1	0	16-QAM	23.16	23.27	23.13	26.18	0.4150
10	1	25		23.19	23.38	23.18		
10	1	49		23.21	23.32	23.16		
10	25	0		22.14	22.25	22.16		
10	25	12		22.27	22.27	22.19		
10	25	25		22.23	22.34	22.09		
10	50	0		22.24	22.25	22.18		
10	1	0	64-QAM	22.07	22.20	21.98	25.01	0.3170
10	1	25		22.17	22.21	22.08		
10	1	49		22.12	22.16	22.04		
10	25	0		21.12	21.26	21.18		
10	25	12		21.25	21.27	21.20		
10	25	25		21.22	21.32	21.09		
10	50	0		21.22	21.25	21.18		
10	1	0	256-QAM	19.29	19.45	19.28	22.25	0.1679
10	1	25		19.33	19.45	19.29		
10	1	49		19.23	19.37	19.19		
10	25	0		19.38	19.36	19.44		
10	25	12		19.32	19.44	19.45		
10	25	25		19.32	19.36	19.35		
10	50	0		19.37	19.36	19.38		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.13	24.23	24.07	27.16	0.5200
5	1	12		24.24	24.36	24.19		
5	1	24		24.16	24.28	24.09		
5	12	0		23.22	23.26	23.17		
5	12	7		23.25	23.37	23.20		
5	12	13		23.23	23.33	23.18		
5	25	0		23.22	23.26	23.18		
5	1	0	16-QAM	23.13	23.22	23.21	26.16	0.4130
5	1	12		23.25	23.36	23.23		
5	1	24		23.16	23.33	23.12		
5	12	0		22.22	22.18	22.14		
5	12	7		22.24	22.38	22.22		
5	12	13		22.26	22.31	22.16		
5	25	0		22.24	22.27	22.17		
5	1	0	64-QAM	22.03	22.25	21.98	25.09	0.3228
5	1	12		22.20	22.29	22.15		
5	1	24		22.14	22.28	21.97		
5	12	0		21.20	21.31	21.17		
5	12	7		21.22	21.40	21.27		
5	12	13		21.20	21.35	21.18		
5	25	0		21.21	21.27	21.18		
5	1	0	256-QAM	19.26	19.40	19.30	22.28	0.1690
5	1	12		19.25	19.48	19.34		
5	1	24		19.21	19.44	19.22		
5	12	0		19.38	19.42	19.38		
5	12	7		19.31	19.44	19.44		
5	12	13		19.39	19.38	19.39		
5	25	0		19.41	19.38	19.36		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	26.05	27.17	26.47	30.04	1.0093
20	1	49		26.24	27.01	26.24		
20	1	99		26.20	27.24	26.52		
20	50	0		25.30	26.18	25.81		
20	50	24		25.41	26.20	25.71		
20	50	50		25.37	26.18	25.83		
20	100	0		25.44	26.23	25.76		
20	1	0	16-QAM	25.31	26.44	25.78	29.30	0.8511
20	1	49		25.47	26.41	25.48		
20	1	99		25.52	26.50	25.77		
20	50	0		24.31	25.18	24.94		
20	50	24		24.40	25.17	24.89		
20	50	50		24.44	25.27	24.93		
20	100	0		24.43	25.19	24.89		
20	1	0	64-QAM	24.24	25.42	25.03	28.22	0.6637
20	1	49		24.57	25.29	24.89		
20	1	99		24.44	25.37	25.02		
20	50	0		23.39	24.20	23.99		
20	50	24		23.39	24.16	24.02		
20	50	50		23.46	24.26	23.96		
20	100	0		23.47	24.25	24.02		
20	1	0	256-QAM	21.64	22.19	22.03	25.17	0.3289
20	1	49		21.67	22.32	22.00		
20	1	99		21.64	22.37	22.00		
20	50	0		21.51	22.18	21.92		
20	50	24		21.49	22.12	21.90		
20	50	50		21.48	22.22	22.15		
20	100	0		21.53	22.11	22.03		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	25.89	27.16	26.40	30.02	1.0046
15	1	37		26.17	26.88	26.19		
15	1	74		26.11	27.22	26.41		
15	36	0		25.27	26.11	25.81		
15	36	20		25.34	26.10	25.68		
15	36	39		25.44	26.09	25.73		
15	75	0		25.38	26.08	25.78		
15	1	0	16-QAM	25.28	26.38	25.77	29.18	0.8279
15	1	37		25.44	26.26	25.56		
15	1	74		25.50	26.36	25.78		
15	36	0		24.30	25.16	24.92		
15	36	20		24.28	25.16	24.91		
15	36	39		24.41	25.26	24.89		
15	75	0		24.36	25.12	24.88		
15	1	0	64-QAM	24.14	25.34	24.89	28.14	0.6516
15	1	37		24.48	25.31	24.78		
15	1	74		24.38	25.34	24.96		
15	36	0		23.29	24.18	23.88		
15	36	20		23.39	24.08	24.02		
15	36	39		23.38	24.16	23.93		
15	75	0		23.36	24.21	23.99		
15	1	0	256-QAM	21.58	22.13	21.92	25.21	0.3319
15	1	37		21.50	22.25	21.90		
15	1	74		21.61	22.41	22.02		
15	36	0		21.48	22.10	21.84		
15	36	20		21.44	22.14	21.92		
15	36	39		21.49	22.10	22.08		
15	75	0		21.41	22.14	21.93		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	26.00	27.11	26.40	29.94	0.9863
10	1	25		26.16	27.01	26.13		
10	1	49		26.14	27.14	26.44		
10	25	0		25.25	26.01	25.77		
10	25	12		25.33	26.23	25.67		
10	25	25		25.36	26.20	25.68		
10	50	0		25.31	26.09	25.81		
10	1	0	16-QAM	25.21	26.38	25.79	29.18	0.8279
10	1	25		25.38	26.38	25.55		
10	1	49		25.50	26.37	25.70		
10	25	0		24.24	25.12	24.97		
10	25	12		24.33	25.18	24.83		
10	25	25		24.45	25.19	24.85		
10	50	0		24.49	25.22	24.91		
10	1	0	64-QAM	24.21	25.35	24.96	28.15	0.6531
10	1	25		24.46	25.33	24.83		
10	1	49		24.43	25.25	24.93		
10	25	0		23.30	24.06	23.96		
10	25	12		23.30	24.14	24.08		
10	25	25		23.45	24.12	23.94		
10	50	0		23.44	24.18	24.06		
10	1	0	256-QAM	21.58	22.13	22.02	25.17	0.3289
10	1	25		21.51	22.31	22.01		
10	1	49		21.62	22.37	22.05		
10	25	0		21.50	22.11	21.82		
10	25	12		21.46	22.17	21.86		
10	25	25		21.47	22.26	22.04		
10	50	0		21.48	22.05	21.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	25.93	27.10	26.37	29.98	0.9954
5	1	12		26.16	26.98	26.19		
5	1	24		26.19	27.18	26.39		
5	12	0		25.30	26.12	25.81		
5	12	7		25.34	26.13	25.62		
5	12	13		25.35	26.17	25.70		
5	25	0		25.36	26.11	25.65		
5	1	0	16-QAM	25.22	26.40	25.72	29.30	0.8511
5	1	12		25.47	26.28	25.50		
5	1	24		25.47	26.50	25.77		
5	12	0		24.22	25.14	24.87		
5	12	7		24.37	25.18	24.78		
5	12	13		24.41	25.22	24.90		
5	25	0		24.46	25.08	24.93		
5	1	0	64-QAM	24.21	25.33	25.02	28.13	0.6501
5	1	12		24.38	25.26	24.72		
5	1	24		24.45	25.25	24.95		
5	12	0		23.28	24.15	24.00		
5	12	7		23.41	24.12	24.01		
5	12	13		23.40	24.24	24.00		
5	25	0		23.36	24.16	23.95		
5	1	0	256-QAM	21.46	22.10	21.89	25.12	0.3251
5	1	12		21.61	22.24	21.99		
5	1	24		21.63	22.32	21.99		
5	12	0		21.50	22.20	21.93		
5	12	7		21.43	22.16	21.83		
5	12	13		21.42	22.16	22.06		
5	25	0		21.41	22.06	21.95		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.30	24.30	24.30	26.20	0.4169
20	1	49		24.37	24.37	24.37		
20	1	99		24.40	24.40	24.40		
20	50	0		23.38	23.38	23.38		
20	50	24		23.47	23.47	23.47		
20	50	50		23.42	23.42	23.42		
20	100	0		23.44	23.44	23.44		
20	1	0	16-QAM	23.84	23.84	23.84	25.64	0.3664
20	1	49		23.80	23.80	23.80		
20	1	99		23.68	23.68	23.68		
20	50	0		22.41	22.41	22.41		
20	50	24		22.48	22.48	22.48		
20	50	50		22.44	22.44	22.44		
20	100	0		22.47	22.47	22.47		
20	1	0	64-QAM	22.61	22.61	22.61	24.49	0.2812
20	1	49		22.62	22.62	22.62		
20	1	99		22.69	22.69	22.69		
20	50	0		21.40	21.40	21.40		
20	50	24		21.49	21.49	21.49		
20	50	50		21.45	21.45	21.45		
20	100	0		21.47	21.47	21.47		
20	1	0	256-QAM	19.50	19.47	19.42	21.57	0.1435
20	1	49		19.51	19.50	19.51		
20	1	99		19.46	19.44	19.49		
20	50	0		19.53	19.49	19.55		
20	50	24		19.68	19.65	19.63		
20	50	50		19.63	19.71	19.65		
20	100	0		19.72	19.72	19.77		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.08	24.21	24.21	26.01	0.3990
15	1	37		24.12	24.20	24.19		
15	1	74		24.16	24.20	24.04		
15	36	0		23.17	23.31	23.28		
15	36	20		23.23	23.30	23.27		
15	36	39		23.21	23.35	23.31		
15	75	0		23.20	23.28	23.27		
15	1	0	16-QAM	23.48	23.63	23.49	25.43	0.3491
15	1	37		23.39	23.47	23.60		
15	1	74		23.49	23.60	23.39		
15	36	0		22.18	22.35	22.30		
15	36	20		22.25	22.30	22.29		
15	36	39		22.23	22.36	22.35		
15	75	0		22.23	22.30	22.29		
15	1	0	64-QAM	22.28	22.49	22.49	24.29	0.2685
15	1	37		22.40	22.45	22.36		
15	1	74		22.35	22.38	22.34		
15	36	0		21.16	21.31	21.27		
15	36	20		21.23	21.29	21.26		
15	36	39		21.21	21.33	21.32		
15	75	0		21.22	21.30	21.27		
15	1	0	256-QAM	19.43	19.49	19.48	21.59	0.1442
15	1	37		19.51	19.50	19.54		
15	1	74		19.52	19.51	19.49		
15	36	0		19.57	19.54	19.57		
15	36	20		19.66	19.65	19.69		
15	36	39		19.64	19.68	19.71		
15	75	0		19.79	19.78	19.76		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.08	24.22	24.22	26.05	0.4027
10	1	25		24.14	24.25	24.25		
10	1	49		24.05	24.17	24.18		
10	25	0		23.14	23.27	23.24		
10	25	12		23.23	23.29	23.26		
10	25	25		23.20	23.32	23.29		
10	50	0		23.21	23.25	23.23		
10	1	0	16-QAM	23.53	23.72	23.60	25.55	0.3589
10	1	25		23.51	23.75	23.67		
10	1	49		23.50	23.67	23.62		
10	25	0		22.16	22.29	22.25		
10	25	12		22.26	22.30	22.28		
10	25	25		22.22	22.33	22.31		
10	50	0		22.22	22.24	22.25		
10	1	0	64-QAM	22.33	22.50	22.43	24.34	0.2716
10	1	25		22.40	22.51	22.54		
10	1	49		22.34	22.48	22.45		
10	25	0		21.15	21.26	21.24		
10	25	12		21.25	21.31	21.27		
10	25	25		21.22	21.33	21.29		
10	50	0		21.21	21.24	21.23		
10	1	0	256-QAM	19.44	19.51	19.46	21.55	0.1429
10	1	25		19.50	19.57	19.53		
10	1	49		19.45	19.54	19.44		
10	25	0		19.55	19.53	19.52		
10	25	12		19.61	19.64	19.66		
10	25	25		19.71	19.63	19.62		
10	50	0		19.75	19.70	19.74		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.06	24.20	24.17	26.08	0.4055
5	1	12		24.11	24.28	24.03		
5	1	24		24.01	24.17	23.97		
5	12	0		23.08	23.23	23.21		
5	12	7		23.19	23.25	23.26		
5	12	13		23.16	23.28	23.16		
5	25	0		23.17	23.21	23.27		
5	1	0	16-QAM	23.47	23.64	23.60	25.52	0.3565
5	1	12		23.54	23.72	23.40		
5	1	24		23.44	23.65	23.36		
5	12	0		22.13	22.26	22.27		
5	12	7		22.22	22.29	22.37		
5	12	13		22.20	22.37	22.28		
5	25	0		22.19	22.24	22.32		
5	1	0	64-QAM	22.34	22.45	22.52	24.37	0.2735
5	1	12		22.36	22.57	22.43		
5	1	24		22.31	22.43	22.41		
5	12	0		21.12	21.25	21.23		
5	12	7		21.23	21.29	21.37		
5	12	13		21.20	21.34	21.34		
5	25	0		21.16	21.22	21.30		
5	1	0	256-QAM	19.51	19.51	19.47	21.56	0.1432
5	1	12		19.55	19.51	19.51		
5	1	24		19.44	19.52	19.48		
5	12	0		19.53	19.50	19.56		
5	12	7		19.69	19.68	19.64		
5	12	13		19.69	19.63	19.64		
5	25	0		19.70	19.76	19.74		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.00	24.15	24.00	26.04	0.4018
3	1	8		24.07	24.24	23.89		
3	1	14		23.99	24.14	23.80		
3	8	0		23.14	23.20	23.14		
3	8	4		23.17	23.23	23.13		
3	8	7		23.13	23.27	23.04		
3	15	0		23.13	23.17	23.12		
3	1	0	16-QAM	23.41	23.64	23.36	25.50	0.3548
3	1	8		23.51	23.70	23.23		
3	1	14		23.45	23.63	23.18		
3	8	0		22.24	22.30	22.27		
3	8	4		22.26	22.30	22.26		
3	8	7		22.24	22.37	22.17		
3	15	0		22.18	22.22	22.22		
3	1	0	64-QAM	22.27	22.43	22.44	24.38	0.2742
3	1	8		22.32	22.58	22.34		
3	1	14		22.29	22.42	22.25		
3	8	0		21.21	21.24	21.26		
3	8	4		21.21	21.29	21.26		
3	8	7		21.19	21.32	21.26		
3	15	0		21.19	21.21	21.21		
3	1	0	256-QAM	19.49	19.51	19.51	21.56	0.1432
3	1	8		19.54	19.57	19.49		
3	1	14		19.54	19.51	19.47		
3	8	0		19.52	19.57	19.47		
3	8	4		19.65	19.64	19.69		
3	8	7		19.63	19.66	19.62		
3	15	0		19.76	19.73	19.75		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.01	24.14	23.78	26.05	0.4027
1.4	1	3		24.07	24.23	23.73		
1.4	1	5		24.02	24.20	23.67		
1.4	3	0		24.09	24.22	23.74		
1.4	3	1		24.09	24.25	23.71		
1.4	3	3		24.08	24.23	23.67		
1.4	6	0		23.10	23.18	22.94		
1.4	1	0	16-QAM	23.50	23.66	23.12	25.53	0.3573
1.4	1	3		23.49	23.73	23.07		
1.4	1	5		23.47	23.70	23.01		
1.4	3	0		23.26	23.39	22.96		
1.4	3	1		23.31	23.48	22.94		
1.4	3	3		23.29	23.47	22.91		
1.4	6	0		22.22	22.29	22.07		
1.4	1	0	64-QAM	22.34	22.49	22.20	24.36	0.2729
1.4	1	3		22.34	22.56	22.24		
1.4	1	5		22.33	22.49	22.13		
1.4	3	0		22.28	22.41	22.16		
1.4	3	1		22.25	22.43	22.12		
1.4	3	3		22.25	22.45	22.11		
1.4	6	0		21.21	21.23	21.18		
1.4	1	0	256-QAM	19.46	19.49	19.47	21.59	0.1442
1.4	1	3		19.48	19.56	19.49		
1.4	1	5		19.46	19.52	19.51		
1.4	3	0		19.54	19.50	19.48		
1.4	3	1		19.71	19.65	19.61		
1.4	3	3		19.62	19.66	19.68		
1.4	6	0		19.79	19.78	19.76		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.59	23.53	23.51	22.53	0.1791
20	1	49		23.61	23.60	23.61		
20	1	99		23.58	23.65	23.68		
20	50	0		22.71	22.67	22.61		
20	50	24		22.77	22.75	22.69		
20	50	50		22.78	22.76	22.79		
20	100	0		22.78	22.74	22.69		
20	1	0	16-QAM	22.91	22.83	22.75	21.81	0.1517
20	1	49		22.93	22.91	22.86		
20	1	99		22.84	22.96	22.85		
20	50	0		21.72	21.69	21.65		
20	50	24		21.78	21.77	21.69		
20	50	50		21.78	21.78	21.82		
20	100	0		21.79	21.77	21.69		
20	1	0	64-QAM	21.79	21.77	21.69	20.83	0.1211
20	1	49		21.89	21.87	21.98		
20	1	99		21.77	21.91	21.90		
20	50	0		20.72	20.69	20.64		
20	50	24		20.78	20.76	20.70		
20	50	50		20.77	20.77	20.80		
20	100	0		20.79	20.75	20.69		
20	1	0	256-QAM	18.85	18.95	18.84	17.80	0.0603
20	1	49		18.70	18.77	18.65		
20	1	99		18.84	18.95	18.77		
20	50	0		18.68	18.81	18.60		
20	50	24		18.73	18.82	18.67		
20	50	50		18.65	18.80	18.64		
20	100	0		18.55	18.75	18.56		
Limit	ERP < 30W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.59	23.44	23.50	22.49	0.1774
15	1	37		23.52	23.55	23.58		
15	1	74		23.56	23.64	23.60		
15	36	0		22.69	22.61	22.55		
15	36	20		22.73	22.65	22.59		
15	36	39		22.72	22.74	22.77		
15	75	0		22.68	22.74	22.64		
15	1	0	16-QAM	22.83	22.77	22.71	21.85	0.1531
15	1	37		22.80	22.86	22.85		
15	1	74		22.82	22.90	23.00		
15	36	0		21.64	21.69	21.57		
15	36	20		21.71	21.72	21.66		
15	36	39		21.74	21.69	21.78		
15	75	0		21.79	21.70	21.65		
15	1	0	64-QAM	21.75	21.72	21.62	20.75	0.1189
15	1	37		21.79	21.86	21.89		
15	1	74		21.73	21.90	21.88		
15	36	0		20.64	20.62	20.60		
15	36	20		20.70	20.70	20.68		
15	36	39		20.76	20.74	20.72		
15	75	0		20.72	20.67	20.65		
15	1	0	256-QAM	18.79	18.94	18.77	17.79	0.0601
15	1	37		18.60	18.74	18.60		
15	1	74		18.80	18.85	18.68		
15	36	0		18.59	18.78	18.59		
15	36	20		18.65	18.81	18.62		
15	36	39		18.56	18.80	18.57		
15	75	0		18.53	18.73	18.54		
Limit	ERP < 30W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.51	23.47	23.46	22.45	0.1758
10	1	25		23.59	23.60	23.51		
10	1	49		23.50	23.58	23.59		
10	25	0		22.67	22.64	22.52		
10	25	12		22.71	22.69	22.61		
10	25	25		22.72	22.71	22.74		
10	50	0		22.72	22.70	22.67		
10	1	0	16-QAM	22.83	22.81	22.70	21.83	0.1524
10	1	25		22.80	22.90	22.95		
10	1	49		22.82	22.90	22.98		
10	25	0		21.62	21.64	21.55		
10	25	12		21.78	21.69	21.59		
10	25	25		21.72	21.74	21.75		
10	50	0		21.75	21.68	21.61		
10	1	0	64-QAM	21.69	21.69	21.64	20.80	0.1202
10	1	25		21.88	21.78	21.95		
10	1	49		21.73	21.87	21.85		
10	25	0		20.65	20.60	20.63		
10	25	12		20.76	20.68	20.61		
10	25	25		20.76	20.67	20.77		
10	50	0		20.75	20.66	20.63		
10	1	0	256-QAM	18.80	18.88	18.77	17.73	0.0593
10	1	25		18.63	18.75	18.63		
10	1	49		18.84	18.87	18.74		
10	25	0		18.68	18.75	18.55		
10	25	12		18.72	18.80	18.66		
10	25	25		18.57	18.79	18.59		
10	50	0		18.54	18.75	18.52		
Limit	ERP < 30W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.54	23.43	23.51	22.48	0.1770
5	1	12		23.57	23.57	23.54		
5	1	24		23.48	23.63	23.61		
5	12	0		22.65	22.63	22.54		
5	12	7		22.75	22.71	22.60		
5	12	13		22.70	22.75	22.77		
5	25	0		22.72	22.66	22.66		
5	1	0	16-QAM	22.86	22.80	22.70	21.84	0.1528
5	1	12		22.88	22.74	22.86		
5	1	24		22.83	22.96	22.99		
5	12	0		21.65	21.60	21.57		
5	12	7		21.69	21.76	21.69		
5	12	13		21.77	21.70	21.75		
5	25	0		21.72	21.76	21.69		
5	1	0	64-QAM	21.76	21.74	21.65	20.76	0.1191
5	1	12		21.82	21.83	21.91		
5	1	24		21.69	21.86	21.85		
5	12	0		20.66	20.66	20.61		
5	12	7		20.75	20.71	20.64		
5	12	13		20.71	20.71	20.71		
5	25	0		20.75	20.67	20.66		
5	1	0	256-QAM	18.80	18.88	18.81	17.77	0.0598
5	1	12		18.70	18.70	18.56		
5	1	24		18.76	18.92	18.77		
5	12	0		18.65	18.81	18.59		
5	12	7		18.72	18.81	18.62		
5	12	13		18.64	18.70	18.60		
5	25	0		18.51	18.65	18.53		
Limit	ERP < 30W			Result			Pass	

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	24.40	24.37	24.29	29.17	0.8260
20+20	1	0	1	99		17.92	17.82	17.73		
20+20	1	99	1	0		26.36	26.37	26.15		
20+20	100	0	100	0	16-QAM	23.42	23.36	23.30	27.57	0.5715
20+20	1	0	1	99		17.92	17.85	17.78		
20+20	1	99	1	0		24.74	24.77	24.72		
20+20	100	0	100	0	64-QAM	23.42	23.40	23.30	27.06	0.5082
20+20	1	0	1	99		17.84	17.81	17.65		
20+20	1	99	1	0		23.89	24.26	24.04		
20+20	100	0	100	0	256-QAM	21.41	21.35	21.26	24.21	0.2636
20+20	1	0	1	99		17.90	17.75	17.59		
20+20	1	99	1	0		21.23	21.30	21.11		
20+15	100	0	75	0	QPSK	24.41	24.39	24.27	29.26	0.8433
20+15	1	0	1	74		17.91	17.86	17.73		
20+15	1	99	1	0		26.43	26.46	26.07		
20+15	100	0	75	0	16-QAM	23.42	23.41	23.30	27.72	0.5916
20+15	1	0	1	74		17.99	17.88	17.75		
20+15	1	99	1	0		24.77	24.92	24.80		
20+15	100	0	75	0	64-QAM	23.43	23.42	23.25	27.18	0.5224
20+15	1	0	1	74		17.84	17.77	17.67		
20+15	1	99	1	0		24.05	24.38	23.84		
20+15	100	0	75	0	256-QAM	21.38	21.36	21.25	24.18	0.2618
20+15	1	0	1	74		17.83	17.80	17.63		
20+15	1	99	1	0		21.22	21.29	21.04		
15+20	75	0	100	0	QPSK	24.42	24.37	24.30	29.22	0.8356
15+20	1	0	1	99		17.93	17.85	17.71		
15+20	1	74	1	0		26.37	26.42	26.23		
15+20	75	0	100	0	16-QAM	23.42	23.38	23.29	27.63	0.5794
15+20	1	0	1	99		17.87	17.83	17.76		
15+20	1	74	1	0		24.76	24.83	24.75		
15+20	75	0	100	0	64-QAM	23.42	23.39	23.28	27.04	0.5058
15+20	1	0	1	99		17.87	17.80	17.69		
15+20	1	74	1	0		24.19	24.24	23.99		
15+20	75	0	100	0	256-QAM	21.37	21.35	21.28	24.31	0.2698
15+20	1	0	1	99		17.91	17.68	17.56		
15+20	1	74	1	0		21.51	21.18	21.08		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	24.39	24.41	24.23	29.27	0.8453
20+10	1	0	1	49		17.93	17.92	17.75		
20+10	1	99	1	0		26.41	26.47	26.12		
20+10	100	0	50	0	16-QAM	23.42	23.43	23.21	27.76	0.5970
20+10	1	0	1	49		17.94	17.88	17.78		
20+10	1	99	1	0		24.92	24.96	24.69		
20+10	100	0	50	0	64-QAM	23.41	23.42	23.22	27.22	0.5272
20+10	1	0	1	49		17.89	17.91	17.72		
20+10	1	99	1	0		24.09	24.42	24.05		
20+10	100	0	50	0	256-QAM	21.39	21.41	21.21	24.21	0.2636
20+10	1	0	1	49		17.92	17.87	17.61		
20+10	1	99	1	0		21.31	21.29	21.02		
10+20	50	0	100	0	QPSK	24.42	24.37	24.26	29.22	0.8356
10+20	1	0	1	99		17.95	17.89	17.73		
10+20	1	49	1	0		26.26	26.42	26.17		
10+20	50	0	100	0	16-QAM	23.42	23.37	23.27	27.70	0.5888
10+20	1	0	1	99		17.95	17.95	17.73		
10+20	1	49	1	0		24.90	24.83	24.78		
10+20	50	0	100	0	64-QAM	23.42	23.37	23.26	27.03	0.5047
10+20	1	0	1	99		17.88	17.82	17.68		
10+20	1	49	1	0		24.02	24.23	24.07		
10+20	50	0	100	0	256-QAM	21.43	21.35	21.26	24.23	0.2649
10+20	1	0	1	99		17.78	17.85	17.68		
10+20	1	49	1	0		21.31	21.25	21.08		
20+5	100	0	25	0	QPSK	24.39	24.42	24.13	29.28	0.8472
20+5	1	0	1	24		17.93	17.93	17.70		
20+5	1	99	1	0		26.40	26.48	26.05		
20+5	100	0	25	0	16-QAM	23.40	23.42	23.15	27.73	0.5929
20+5	1	0	1	24		17.89	17.95	17.72		
20+5	1	99	1	0		24.86	24.93	24.38		
20+5	100	0	25	0	64-QAM	23.39	23.40	23.14	27.23	0.5284
20+5	1	0	1	24		17.92	17.97	17.67		
20+5	1	99	1	0		24.23	24.43	23.91		
20+5	100	0	25	0	256-QAM	21.42	21.46	21.18	24.26	0.2667
20+5	1	0	1	24		17.87	17.90	17.67		
20+5	1	99	1	0		21.32	21.45	21.03		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	24.38	24.30	24.18	29.26	0.8433
5+20	1	0	1	99		17.88	17.83	17.59		
5+20	1	24	1	0		26.46	26.38	26.15		
5+20	25	0	100	0	16-QAM	23.41	23.31	23.18	27.75	0.5957
5+20	1	0	1	99		17.90	17.90	17.66		
5+20	1	24	1	0		24.95	24.79	24.74		
5+20	25	0	100	0	64-QAM	23.37	23.32	23.15	26.98	0.4989
5+20	1	0	1	99		17.86	17.87	17.55		
5+20	1	24	1	0		23.94	24.18	23.97		
5+20	25	0	100	0	256-QAM	21.47	21.39	21.24	24.27	0.2673
5+20	1	0	1	99		17.90	17.93	17.66		
5+20	1	24	1	0		21.30	21.26	21.24		
15+10	75	0	50	0	QPSK	24.40	24.39	24.15	29.26	0.8433
15+10	1	0	1	49		17.91	17.90	17.69		
15+10	1	74	1	0		26.45	26.46	25.96		
15+10	75	0	50	0	16-QAM	23.43	23.41	23.18	27.60	0.5754
15+10	1	0	1	49		17.92	17.91	17.74		
15+10	1	74	1	0		24.80	24.79	24.43		
15+10	75	0	50	0	64-QAM	23.39	23.41	23.17	27.13	0.5164
15+10	1	0	1	49		17.89	17.82	17.67		
15+10	1	74	1	0		24.11	24.33	23.90		
15+10	75	0	50	0	256-QAM	21.41	21.40	21.15	24.21	0.2636
15+10	1	0	1	49		17.88	17.89	17.69		
15+10	1	74	1	0		21.32	21.27	21.01		
10+15	50	0	75	0	QPSK	24.39	24.35	24.16	29.26	0.8433
10+15	1	0	1	74		17.94	17.87	17.67		
10+15	1	49	1	0		26.46	26.41	26.09		
10+15	50	0	75	0	16-QAM	23.42	23.34	23.20	27.70	0.5888
10+15	1	0	1	74		17.93	17.82	17.74		
10+15	1	49	1	0		24.90	24.87	24.80		
10+15	50	0	75	0	64-QAM	23.42	23.36	23.18	27.03	0.5047
10+15	1	0	1	74		17.96	17.83	17.53		
10+15	1	49	1	0		24.09	24.23	23.88		
10+15	50	0	75	0	256-QAM	21.43	21.36	21.16	24.23	0.2649
10+15	1	0	1	74		17.83	17.83	17.63		
10+15	1	49	1	0		21.29	21.27	21.02		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	24.41	24.40	24.24	29.24	0.8395
15+15	1	0	1	74		17.93	17.89	17.76		
15+15	1	74	1	0		26.41	26.44	26.06		
15+15	75	0	75	0	16-QAM	23.41	23.40	23.24	27.69	0.5875
15+15	1	0	1	74		17.92	17.91	17.83		
15+15	1	74	1	0		24.79	24.89	24.76		
15+15	75	0	75	0	64-QAM	23.45	23.41	23.23	27.03	0.5047
15+15	1	0	1	74		17.88	17.85	17.82		
15+15	1	74	1	0		23.99	24.23	23.91		
15+15	75	0	75	0	256-QAM	21.42	21.38	21.22	24.22	0.2642
15+15	1	0	1	74		17.86	17.78	17.66		
15+15	1	74	1	0		21.29	21.27	21.07		
Limit	EIRP < 2W					Result			Pass	

Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-48.44	-13	-35.44	-60.05	-50.2	0.98	4.89	H
	2472	-40.62	-13	-27.62	-57.98	-42.5	1.28	5.32	H
	3296	-57.79	-13	-44.79	-77.44	-61.2	1.54	7.10	H
									H
									H
									H
									H
	1648	-47.54	-13	-34.54	-59.69	-49.3	0.98	4.89	V
	2472	-46.92	-13	-33.92	-64.72	-48.8	1.28	5.32	V
	3296	-57.99	-13	-44.99	-77.59	-61.4	1.54	7.10	V
									V
									V
									V
									V
Middle	1664	-47.59	-13	-34.59	-59.34	-49.3	0.98	4.84	H
	2496	-39.85	-13	-26.85	-57.51	-41.8	1.29	5.39	H
	3326	-56.77	-13	-43.77	-76.54	-60.3	1.55	7.23	H
	4160	-48.47	-13	-35.47	-70.83	-53.1	1.85	8.63	H
									H
									H
									H
									V
	1664	-49.79	-13	-36.79	-62.1	-51.5	0.98	4.84	V
	2496	-49.45	-13	-36.45	-67.64	-51.4	1.29	5.39	V
	3326	-57.17	-13	-44.17	-77.26	-60.7	1.55	7.23	V
	4160	-53.87	-13	-40.87	-76.06	-58.5	1.85	8.63	V
									V
									V

LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1680	-46.95	-13	-33.95	-58.97	-48.6	0.99	4.80	H
	2520	-43.93	-13	-30.93	-61.42	-45.9	1.30	5.42	H
	3356	-57.74	-13	-44.74	-77.74	-61.4	1.56	7.37	H
									H
									H
									H
									H
	1680	-48.55	-13	-35.55	-61.29	-50.2	0.99	4.80	V
	2520	-46.17	-13	-33.17	-64.17	-48.14	1.30	5.42	V
	3356	-57.84	-13	-44.84	-77.92	-61.5	1.56	7.37	V
									V
									V
									V
									V

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

LTE Band 25

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-56.02	-13	-43.02	-77.54	-62.59	1.67	8.24	H
	5556	-47.28	-13	-34.28	-73.84	-54.35	2.66	9.72	H
	7404	-51.91	-13	-38.91	-80	-61.06	2.46	11.61	H
									H
									H
									H
									H
	3702	-56.76	-13	-43.76	-78.27	-63.33	1.67	8.24	V
	5556	-45.71	-13	-32.71	-72.28	-52.78	2.66	9.72	V
	7404	-50.69	-13	-37.69	-78.95	-59.84	2.46	11.61	V
									V
									V
									V
									V
Middle	3744	-55.84	-13	-42.84	-77.47	-62.45	1.68	8.29	H
	5616	-34.43	-13	-21.43	-61.09	-41.48	2.69	9.75	H
	7482	-51.81	-13	-38.81	-80	-61.14	2.44	11.76	H
									H
									H
									H
									H
									V
	3744	-55.27	-13	-42.27	-76.83	-61.88	1.68	8.29	V
	5616	-37.47	-13	-24.47	-64.07	-44.52	2.69	9.75	V
	7482	-51.54	-13	-38.54	-79.83	-60.87	2.44	11.76	V
									V
									V
									V

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	3792	-56.46	-13	-43.46	-78.08	-63.11	1.70	8.35	H
	5688	-51.32	-13	-38.32	-77.98	-58.36	2.73	9.78	H
	7584	-51.11	-13	-38.11	-79.47	-60.56	2.40	11.85	H
									H
									H
									H
									H
	3792	-56.42	-13	-43.42	-78.09	-63.07	1.70	8.35	V
	5688	-53.33	-13	-40.33	-79.92	-60.37	2.73	9.78	V
	7584	-49.96	-13	-36.96	-78.6	-59.41	2.40	11.85	V
									V
									V
									V
									V

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

LTE Band 66

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-54.80	-13	-41.80	-75.89	-60.87	1.58	7.65	H
	5136	-45.92	-13	-32.92	-70.99	-53.2	2.42	9.70	H
	6846	-50.97	-13	-37.97	-79.1	-58.95	2.64	10.62	H
									H
									H
									H
									H
	3420	-55.88	-13	-42.88	-77.02	-61.95	1.58	7.65	V
	5136	-51.53	-13	-38.53	-76.44	-58.81	2.42	9.70	V
	6846	-51.74	-13	-38.74	-79.82	-59.72	2.64	10.62	V
									V
									V
									V
									V
Middle	3474	-51.18	-13	-38.18	-72.56	-57.47	1.60	7.89	H
	5208	-44.51	-13	-31.51	-69.74	-51.75	2.46	9.70	H
	6942	-51.74	-13	-38.74	-79.68	-59.86	2.61	10.73	H
									H
									H
									H
									H
									V
	3474	-53.86	-13	-40.86	-75.13	-60.15	1.60	7.89	V
	5208	-49.61	-13	-36.61	-74.71	-56.85	2.46	9.70	V
	6942	-52.05	-13	-39.05	-80.01	-60.17	2.61	10.73	V
									V
									V
									V

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	3522	-53.02	-13	-40.02	-74.46	-59.44	1.61	8.03	H
	5286	-46.50	-13	-33.50	-72.03	-53.7	2.50	9.70	H
	7044	-52.27	-13	-39.27	-80.19	-60.58	2.58	10.89	H
									H
									H
									H
									H
	3522	-54.64	-13	-41.64	-75.94	-61.06	1.61	8.03	V
	5286	-50.95	-13	-37.95	-76.38	-58.15	2.50	9.70	V
	7044	-51.94	-13	-38.94	-79.93	-60.25	2.58	10.89	V
									V
									V
									V
									V

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

LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-54.33	-25	-29.33	-79.21	-61.69	2.34	9.70	H
	7506	-52.04	-25	-27.04	-80.23	-61.42	2.43	11.80	H
	10008	-49.08	-25	-24.08	-81.58	-58.59	2.70	12.20	H
									H
									H
									H
									H
	5000	-55.17	-25	-30.17	-79.85	-62.53	2.34	9.70	V
	7506	-52.89	-25	-27.89	-81.32	-62.27	2.43	11.80	V
	10008	-49.17	-25	-24.17	-81.43	-58.68	2.70	12.20	V
									V
									V
									V
									V
Middle	5052	-54.80	-25	-29.80	-79.75	-62.13	2.37	9.70	H
	7578	-41.98	-25	-16.98	-70.37	-51.42	2.40	11.85	H
	10116	-48.87	-25	-23.87	-81.6	-58.42	2.70	12.25	H
									H
									H
									H
									H
									V
	5052	-52.38	-25	-27.38	-77.15	-59.71	2.37	9.70	V
	7578	-45.24	-25	-20.24	-73.08	-54.68	2.40	11.85	V
	10116	-48.96	-25	-23.96	-81.6	-58.51	2.70	12.25	V
									V
									V
									V

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5100	-54.62	-25	-29.62	-79.64	-61.93	2.39	9.70	H
	7650	-52.80	-25	-27.80	-81.37	-62.31	2.38	11.89	H
	10200	-48.60	-25	-23.60	-81.53	-58.18	2.70	12.28	H
									H
									H
									H
									H
	5100	-54.86	-25	-29.86	-79.71	-62.17	2.39	9.70	V
	7650	-52.27	-25	-27.27	-81.11	-61.78	2.38	11.89	V
	10200	-48.98	-25	-23.98	-81.81	-58.56	2.70	12.28	V
									V
									V
									V
									V

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

LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-52.16	-13.00	-39.16	-62.06	-53.82	0.87	4.68	H
	2096	-42.81	-13.00	-29.81	-59.24	-43.68	1.16	4.19	H
	2792	-58.91	-13.00	-45.91	-77.09	-61.01	1.38	5.63	H
									H
									H
									H
									H
	1400	-52.22	-13.00	-39.22	-62.63	-53.88	0.87	4.68	V
	2096	-44.15	-13.00	-31.15	-59.93	-45.02	1.16	4.19	V
	2792	-57.43	-13.00	-44.43	-76.42	-59.53	1.38	5.63	V
									V
									V
									V
									V
Middle	1408	-50.77	-13.00	-37.77	-60.80	-52.48	0.87	4.73	H
	2112	-44.97	-13.00	-31.97	-60.51	-45.89	1.17	4.24	H
	2808	-58.24	-13.00	-45.24	-76.43	-60.35	1.39	5.65	H
									H
									H
									H
									H
									V
	1408	-47.31	-13.00	-34.31	-57.76	-49.02	0.87	4.73	V
	2112	-39.09	-13.00	-26.09	-55.00	-40.01	1.17	4.24	V
	2808	-57.63	-13.00	-44.63	-76.65	-59.74	1.39	5.65	V
									V
									V
									V

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1416	-53.29	-13.00	-40.29	-63.28	-55.04	0.87	4.78	H
	2120	-46.20	-13.00	-33.20	-61.81	-47.14	1.17	4.26	H
	2824	-58.51	-13.00	-45.51	-76.78	-60.63	1.39	5.66	H
									H
									H
									H
									H
	1416	-53.31	-13.00	-40.31	-63.76	-55.06	0.87	4.78	V
	2120	-41.95	-13.00	-28.95	-57.82	-42.89	1.17	4.26	V
	2824	-57.93	-13.00	-44.93	-77.00	-60.05	1.39	5.66	V
									V
									V
									V
									V

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

LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-47.73	-13	-34.73	-58.19	-49.80	0.94	5.15	H
	2336	-43.58	-13	-30.58	-60.10	-45.10	1.24	4.91	H
	3108	-58.26	-13	-45.26	-77.19	-60.90	1.48	6.28	H
									H
									H
									H
									H
	1552	-44.53	-13	-31.53	-56.00	-46.60	0.94	5.15	V
	2336	-45.58	-13	-32.58	-62.65	-47.10	1.24	4.91	V
	3108	-57.66	-13	-44.66	-77.03	-60.30	1.48	6.28	V
									V
									V
									V
									V
Middle	1560	-48.99	-42.15	-6.84	-60.01	-51.03	0.94	5.13	H
	2336	-42.07	-13	-29.07	-59.12	-43.59	1.24	4.91	H
	3120	-57.94	-13	-44.94	-77.04	-60.63	1.49	6.33	H
									H
									H
									H
									H
									V
	1560	-45.17	-42.15	-3.02	-56.55	-47.21	0.94	5.13	V
	2336	-35.07	-13	-22.07	-52.42	-36.59	1.24	4.91	V
	3120	-57.13	-13	-44.13	-76.85	-59.82	1.49	6.33	V
									V
									V
									V

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1568	-49.68	-42.15	-7.53	-60.27	-51.70	0.94	5.11	H
	2344	-44.76	-13	-31.76	-61.50	-46.30	1.24	4.93	H
	3128	-58.07	-13	-45.07	-77.07	-60.80	1.49	6.36	H
	3912	-57.09	-13	-44.09	-78.42	-61.70	1.73	8.49	H
									H
									H
									H
	1568	-49.88	-42.15	-7.73	-61.00	-51.90	0.94	5.11	V
	2344	-45.66	-13	-32.66	-62.72	-47.20	1.24	4.93	V
	3128	-57.77	-13	-44.77	-77.08	-60.50	1.49	6.36	V
	3912	-53.49	-13	-40.49	-74.58	-58.10	1.73	8.49	V
									V
									V
									V

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

LTE Band 38

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-53.08	-25	-28.08	-78.15	-60.36	2.42	9.70	H
	7716	-52.55	-25	-27.55	-81.32	-62.12	2.36	11.93	H
	10278	-48.73	-25	-23.73	-81.81	-58.35	2.69	12.31	H
									H
									H
									H
									H
	5142	-52.34	-25	-27.34	-77.33	-59.62	2.42	9.70	V
	7716	-50.25	-25	-25.25	-79.23	-59.82	2.36	11.93	V
	10278	-48.86	-25	-23.86	-81.79	-58.48	2.69	12.31	V
									V
									V
									V
									V
Middle	5170	-54.54	-25	-29.54	-79.65	-61.81	2.43	9.70	H
	7758	-50.65	-25	-25.65	-79.53	-60.26	2.35	11.95	H
	10340	-48.85	-25	-23.85	-82.06	-58.49	2.69	12.34	H
									H
									H
									H
									H
									V
	5170	-54.88	-25	-29.88	-79.84	-62.15	2.43	9.70	V
	7758	-49.04	-25	-24.04	-78.21	-58.65	2.35	11.95	V
	10340	-49.27	-25	-24.27	-82.36	-58.91	2.69	12.34	V
									V
									V
									V

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5202	-53.98	-25	-28.98	-79.13	-61.23	2.45	9.70	H
	7806	-47.04	-25	-22.04	-76.02	-56.69	2.33	11.98	H
	10404	-48.31	-25	-23.31	-81.63	-57.98	2.69	12.36	H
									H
									H
									H
									H
	5202	-53.76	-25	-28.76	-78.77	-61.01	2.45	9.70	V
	7806	-47.63	-25	-22.63	-76.91	-57.28	2.33	11.98	V
	10404	-48.77	-25	-23.77	-81.96	-58.44	2.69	12.36	V
									V
									V
									V
									V

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

LTE Band 41 (HPUE)

LTE Band 41 (HPUE) / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-51.95	-25	-26.95	-76.3	-59.3	2.33	9.68	H
	7494	-52.94	-25	-27.94	-80.64	-62.3	2.43	11.79	H
	9990	-49.69	-25	-24.69	-81.64	-59.2	2.69	12.21	H
									H
									H
									H
									H
	4992	-52.25	-25	-27.25	-76.3	-59.6	2.33	9.68	V
	7494	-52.94	-25	-27.94	-80.64	-62.3	2.43	11.79	V
	9990	-49.79	-25	-24.79	-81.64	-59.3	2.69	12.21	V
									V
									V
									V
									V
Middle	5166	-49.63	-25	-24.63	-74.7	-56.9	2.43	9.70	H
	7752	-49.70	-25	-24.70	-78.47	-59.3	2.35	11.95	H
	10332	-48.86	-25	-23.86	-82.07	-58.5	2.69	12.33	H
									H
									H
									H
									H
									V
	5166	-49.33	-25	-24.33	-73.68	-56.6	2.43	9.70	V
	7752	-50.00	-25	-25.00	-78.91	-59.6	2.35	11.95	V
	10332	-49.46	-25	-24.46	-81.92	-59.1	2.69	12.33	V
									V
									V
									V

LTE Band 41 (HPUE) / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5340	-50.43	-25	-25.43	-76.17	-57.6	2.53	9.70	H
	8016	-50.30	-25	-25.30	-79.81	-60.14	2.27	12.11	H
	10674	-47.75	-25	-22.75	-81.93	-57.49	2.69	12.43	H
									H
									H
									H
									H
	5340	-51.13	-25	-26.13	-76.79	-58.3	2.53	9.70	V
	8016	-49.95	-25	-24.95	-79.8	-59.79	2.27	12.11	V
	10674	-48.12	-25	-23.12	-82.12	-57.86	2.69	12.43	V
									V
									V
									V
									V

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

LTE Band 71

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-59.11	-13	-46.11	-68.66	-60.36	0.84	4.23	H
	1992	-52.41	-13	-39.41	-67.38	-53.05	1.13	3.92	H
	2648	-58.98	-13	-45.98	-76.76	-61.01	1.34	5.52	H
									H
									H
									H
									H
	1328	-57.13	-13	-44.13	-67	-58.38	0.84	4.23	V
	1992	-52.37	-13	-39.37	-67.59	-53.01	1.13	3.92	V
	2656	-58.39	-13	-45.39	-76.87	-60.43	1.34	5.52	V
									V
									V
									V
									V
Middle	1344	-58.33	-13	-45.33	-67.89	-59.67	0.84	4.33	H
	2016	-51.21	-13	-38.21	-66.31	-51.87	1.14	3.95	H
	2680	-58.68	-13	-45.68	-76.54	-60.73	1.35	5.54	H
									H
									H
									H
									H
									V
	1344	-55.12	-13	-42.12	-65.09	-56.46	0.84	4.33	V
	2016	-46.85	-13	-33.85	-62.39	-47.51	1.14	3.95	V
	2680	-58.27	-13	-45.27	-76.82	-60.32	1.35	5.54	V
									V
									V
									V

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1360	-61.95	-13	-48.95	-71.67	-63.38	0.85	4.43	H
	2040	-39.56	-13	-26.56	-54.8	-40.28	1.15	4.02	H
	2712	-59.37	-13	-46.37	-77.4	-61.43	1.36	5.57	H
	3392	-55.25	-13	-42.25	-75.61	-59.05	1.57	7.52	H
									H
									H
									H
	1360	-59.14	-13	-46.14	-69.21	-60.57	0.85	4.43	V
	2040	-40.32	-13	-27.32	-55.84	-41.04	1.15	4.02	V
	2712	-58.19	-13	-45.19	-76.89	-60.25	1.36	5.57	V
	3392	-54.42	-13	-41.42	-74.87	-58.22	1.57	7.52	V
									V
									V
									V

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

LTE CA Band 41C(HPUE)

LTE CA Band 41C (HPUE) / 20+20MHz / QPSK,1RB99+1RB0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5028	-55.15	-25	-30.15	-79.54	-62.5	2.35	9.70	H
	7548	-46.88	-25	-21.88	-75.07	-56.3	2.41	11.83	H
	10062	-49.57	-25	-24.57	-81.65	-59.1	2.70	12.22	H
									H
									H
									H
									H
	5028	-53.75	-25	-28.75	-77.78	-61.1	2.35	9.70	V
	7548	-47.88	-25	-22.88	-76.29	-57.3	2.41	11.83	V
	10062	-49.07	-25	-24.07	-81.31	-58.6	2.70	12.22	V
									V
									V
									V
									V
Middle	5184	-50.44	-25	-25.44	-75.3	-57.7	2.44	9.70	H
	7776	-42.87	-25	-17.87	-71.42	-52.5	2.34	11.97	H
	10368	-48.85	-25	-23.85	-81.8	-58.5	2.69	12.35	H
									H
									H
									H
									H
									V
	5184	-47.94	-25	-22.94	-72.62	-55.2	2.44	9.70	V
	7776	-51.87	-25	-26.87	-80.88	-61.5	2.34	11.97	V
	10368	-48.95	-25	-23.95	-81.72	-58.6	2.69	12.35	V
									V
									V
									V

LTE CA Band 41C (HPUE) / 20+20MHz / QPSK,1RB99+1RB0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5340	-53.53	-25	-28.53	-78.75	-60.7	2.53	9.70	H
	8010	-51.06	-25	-26.06	-80.33	-60.9	2.27	12.11	H
	10674	-47.66	-25	-22.66	-81.69	-57.4	2.69	12.43	H
									H
									H
									H
									H
	5340	-52.93	-25	-27.93	-77.96	-60.1	2.53	9.70	V
	8010	-49.56	-25	-24.56	-79.03	-59.4	2.27	12.11	V
	10674	-47.96	-25	-22.96	-81.77	-57.7	2.69	12.43	V
									V
									V
									V
									V

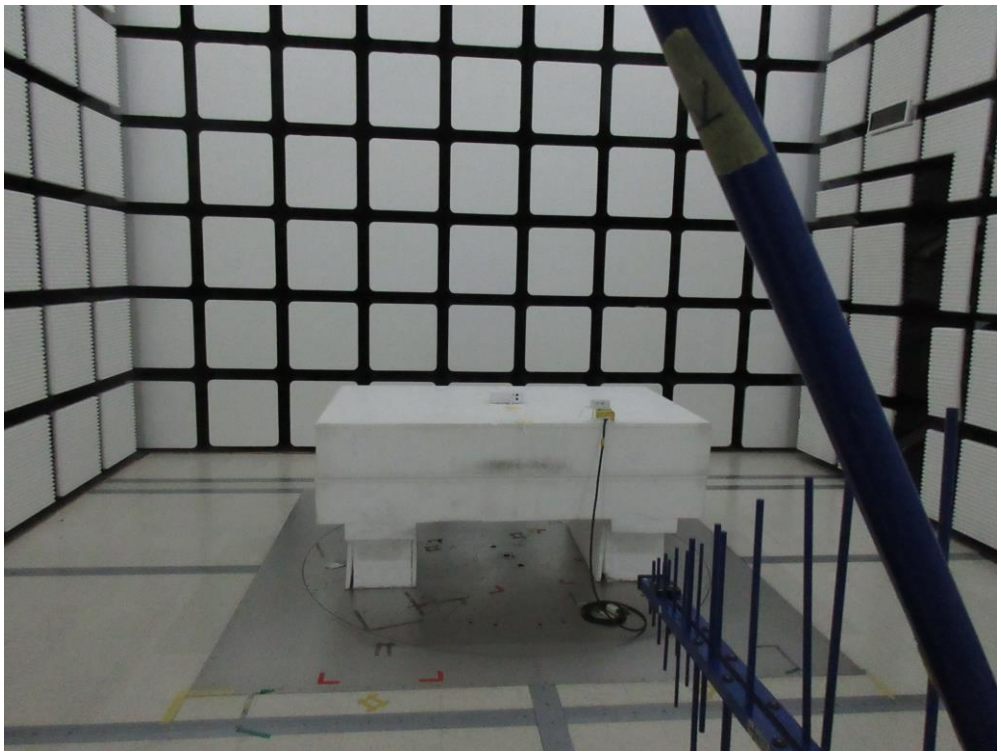
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Appendix C. Setup Photographs

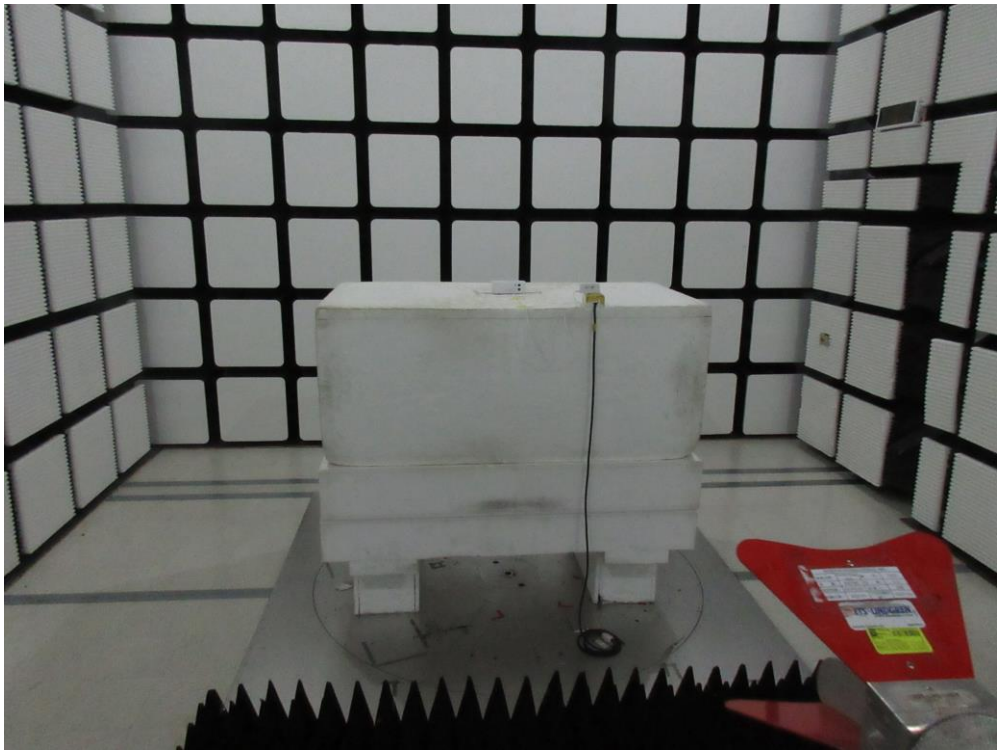
<Radiated Emission>

X Plane

LF



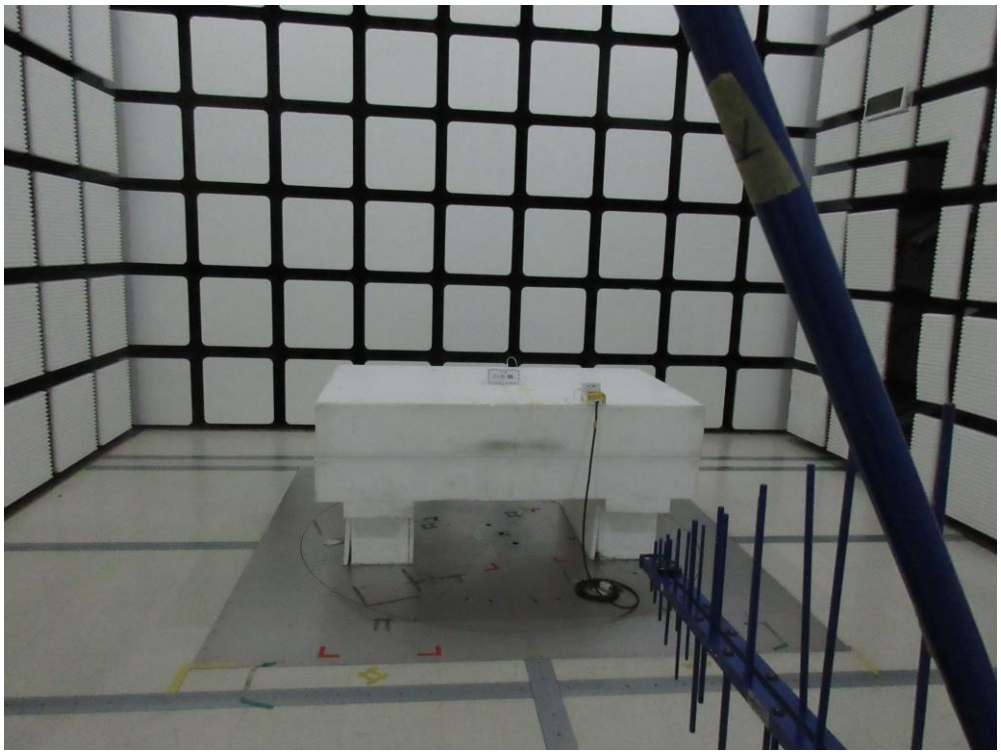
HF



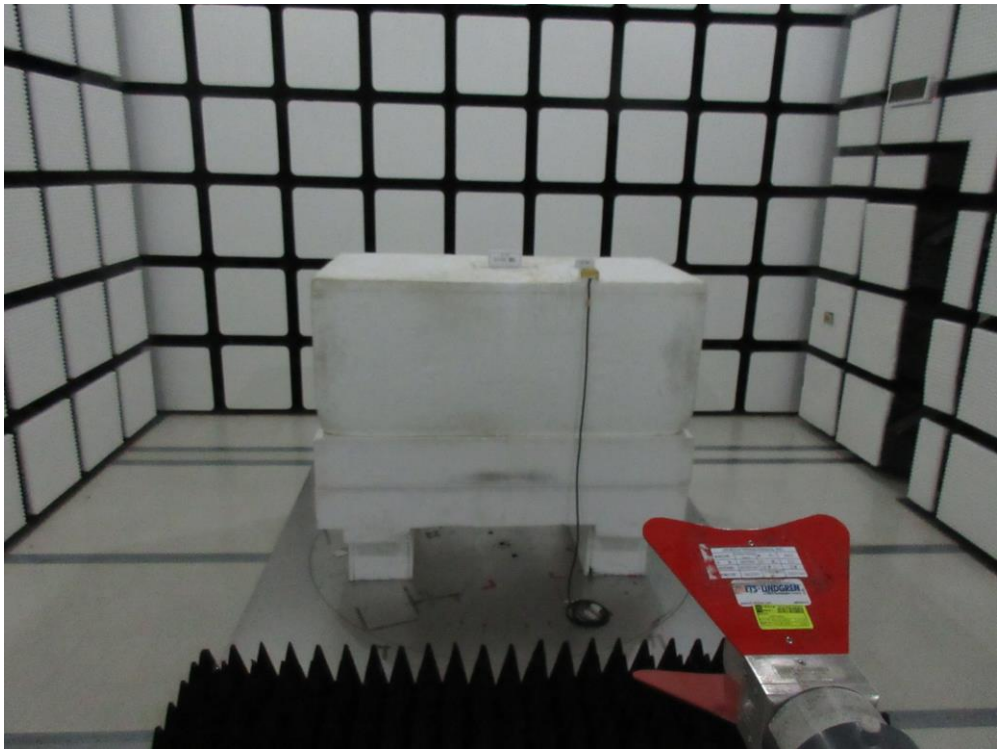
SHF

Y Plane

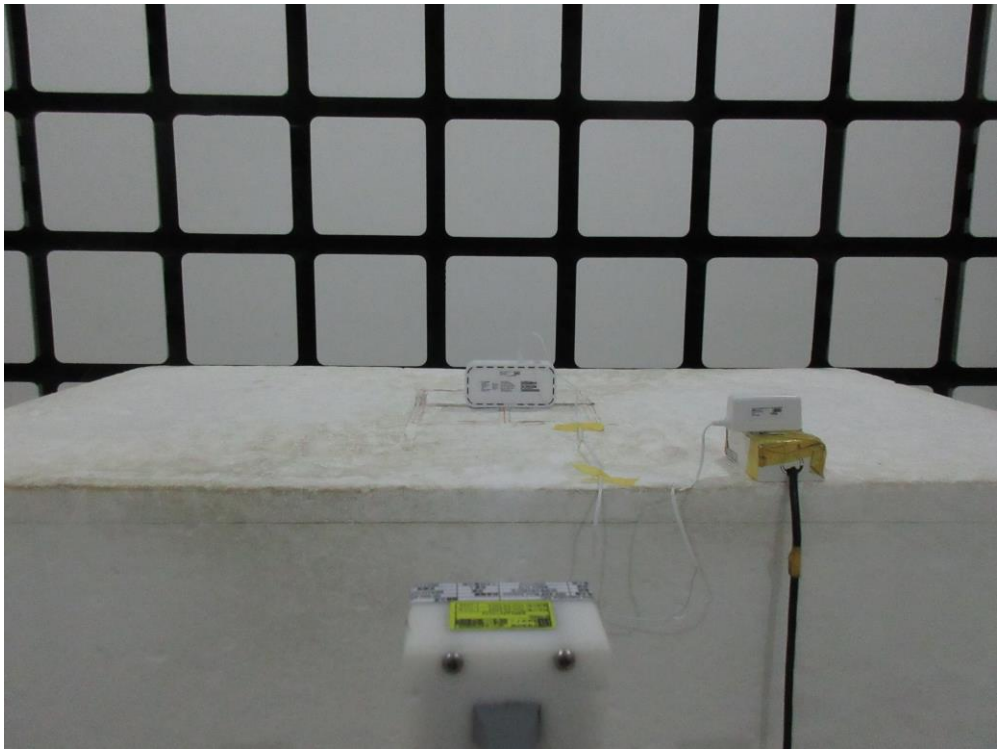
LF



HF

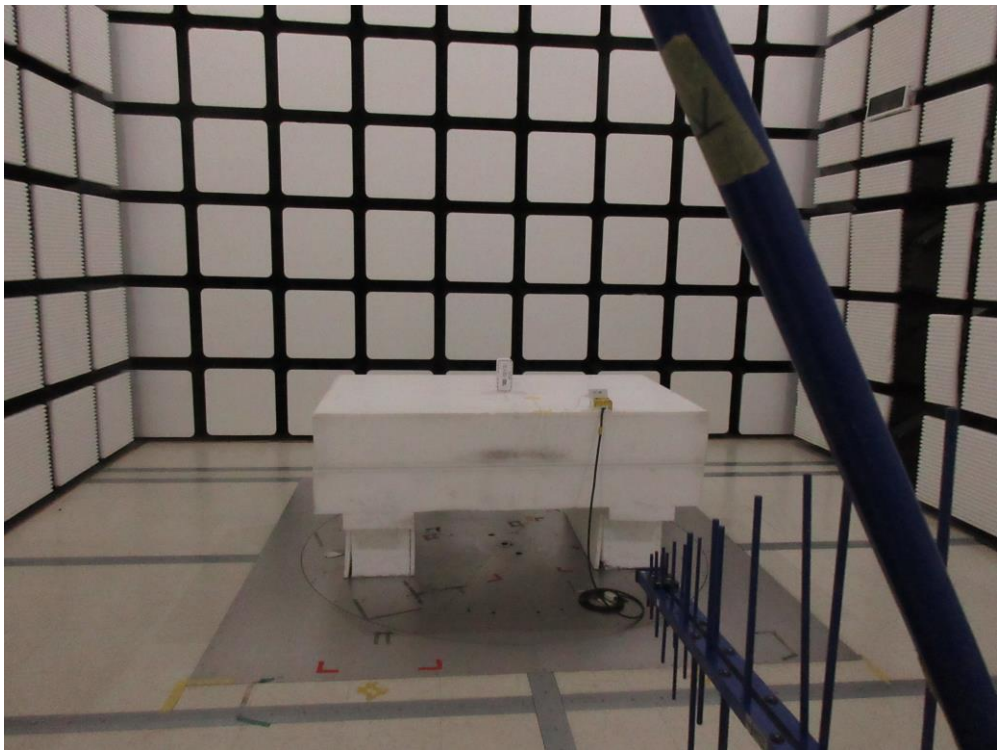


SHF

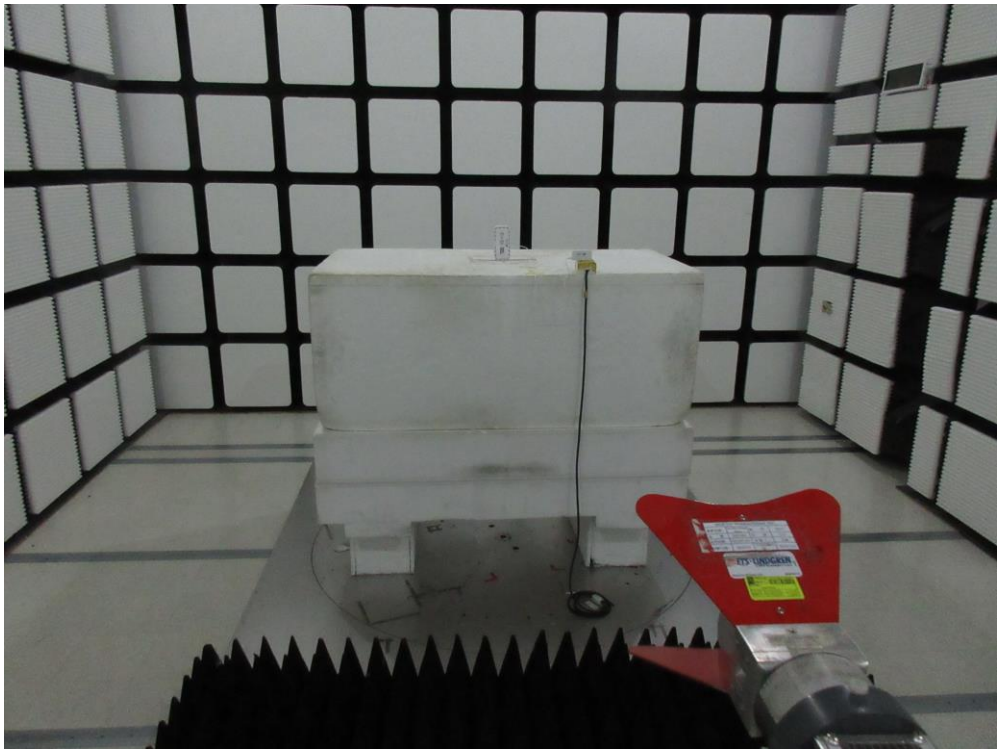


Z Plane

LF



HF



SHF

———THE END———