FCC RADIO TEST REPORT

FCC ID	:	**QYLEM7511F6**
Equipment	:	**WWAN Module**
Brand Name	:	**Getac**
Model Name	:	**EM7511**
Applicant	:	**Getac Technology Corporation.** **5F., Building A, No. 209, Sec.1, Nangang Rd.,Nangang Dist., Taipei City 11568, Taiwan, R.O.C.**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Jan. 13, 2021 and testing was started from Mar. 08, 2021 and completed on Mar. 23, 2021. 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 of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FG111323B	01	Initial issue of report	Apr. 01, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(2)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§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 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (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 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (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 26) (Band 66)	Pass	-
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		
Note: The module (Model: EM7511) makes no difference after verifying output power, this report reuses test data from the module report.				

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

WCDMA/LTE, and GNSS.

Product Specification subjective to this standard	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2
Antenna Type	**WWAN:** <Main> PIFA Antenna <Aux.> PIFA Antenna **GPS / Glonass :** PATCH Antenna
Antenna Gain	LTE Band 2 : 0.41 dBi LTE Band 4 : -0.19 dBi LTE Band 5 : -0.21 dBi LTE Band 7 : -2.90 dBi LTE Band 12 : -3.72 dBi LTE Band 13 : -0.35 dBi LTE Band 26 : -0.21 dBi LTE Band 41 : -1.41 dBi LTE Band 66 : 0.35 dBi

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

The product was installed into Tablet (Brand Name: Getac, Model Name: F110, F110G6, F110-Ex, F110-621) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with SKU B
Host 2	Host with SKU C

SKU	SKU B	SKU C
CPU	i5-1135G7 (Non Vpro)	i7-1165G7 (Vpro)
DDR	Kingston DDR4-3200 16GB	Kingston DDR4-3200 32GB
SSD	512GB	1TB
PANEL	Full HD AUO	Full HD AUO
DIGITIZER	N/A	EMRright Digitizer
OPTION BAY	2D Barcode Reader	RS232 + LAN
Expansion Bay	Smart Card	Smart Card
Right side option	NXP RFID(PN7462)	Finger Print
WLAN/BT	Intel AX201	Intel AX201
WWAN(4G)	EM7511	EM7511
GPS/GNS	EM7511	EM7511
Rear 8M Camera	Support	Support
Webcam FHD	Not Support	Not Support
IR Webcam	Support	Support
USB3.2 Gen2 x 1 Type-A	Support	Support
Type-C (thunder bolt)	Support	Support
Audio/MIC	Support	Support

1.2 Modification of EUT

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

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.**
	TH05-HY
Test Engineer	Bryant Liu
Temperature	20.3~23.6℃
Relative Humidity	43.3~54.3%

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Lance Chiang, Chuan Chu
Temperature	22.3~26.1℃
Relative Humidity	55~63%
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW0007

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

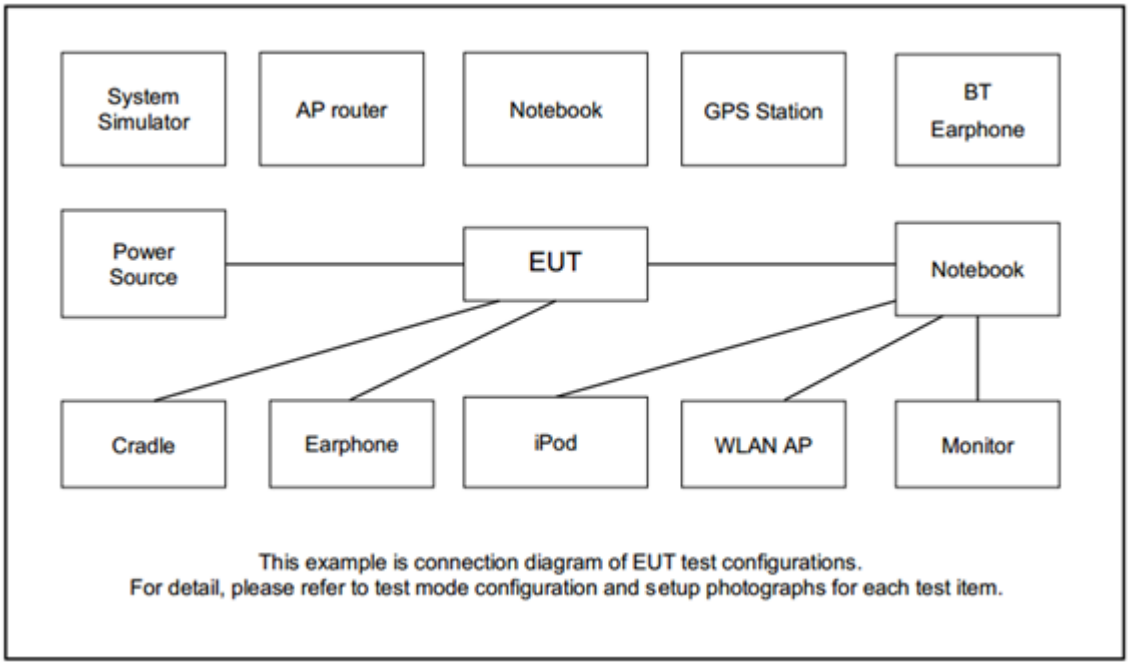
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	26	-	-	v	v	v	-	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
E.R.P / E.I.R.P	2	-	-	v	v	v	v	v	v	v	Max. Power					
	4	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v						
	7	-	-	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v						
	13	-	-	v	v	-	-	v	v	v						
	26	-	-	v	v	v	-	v	v	v						
	41	-	-	v	v	v	v	v	v	v						
	66	-	-	v	v	v	v	v	v	v						
Radiated Spurious Emission	2						v	v			v			v	v	v
	12				v	-	-	v			v			v	v	v
	13	-	-	v		-	-	v			v			v	v	v
	26					v	-	v			v			v	v	v
	66						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. All the radiated test cases were performed with Adapter 1, Battery 2 and Sample 2.															

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	1	Half	Full	L	M	H
Max. Output Power	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P.	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	Max. Power					
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	7_CA						-	-	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. All the radiated test cases were performed with Adapter 1, Battery 2 and Sample 2.																			

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.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5

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 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

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

LTE Band 7 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

LTE Band 41 Channel and Frequency List					
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	2593.3	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 41 Channel and Frequency List					
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

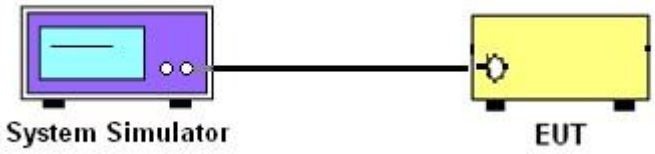
3 Conducted Test Items

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 3 Watts for LTE Band 12 and Band 13

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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

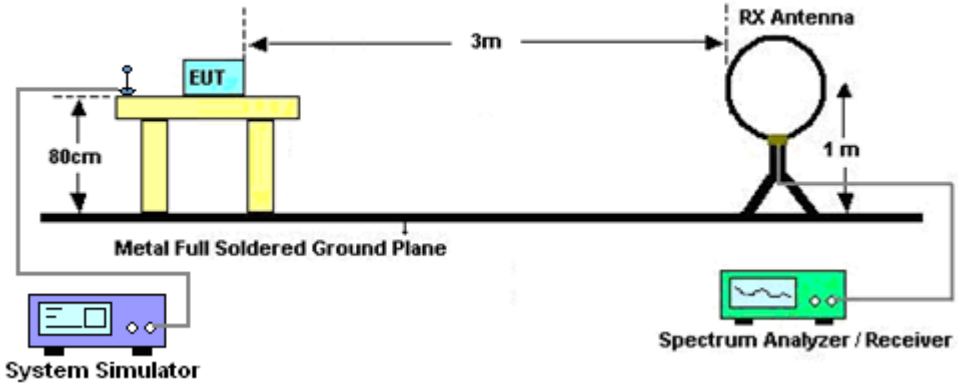
4 Radiated Test Items

4.1 Measuring Instruments

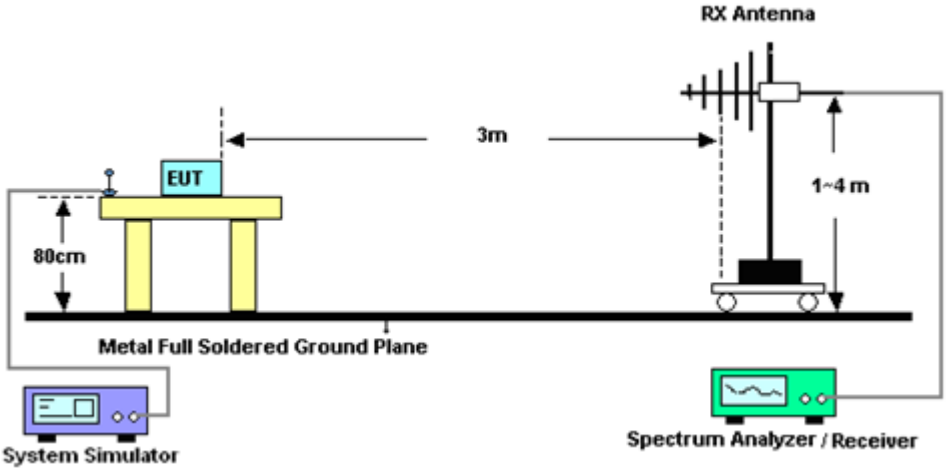
See list of measuring instruments of this test report.

4.1.1 Test Setup

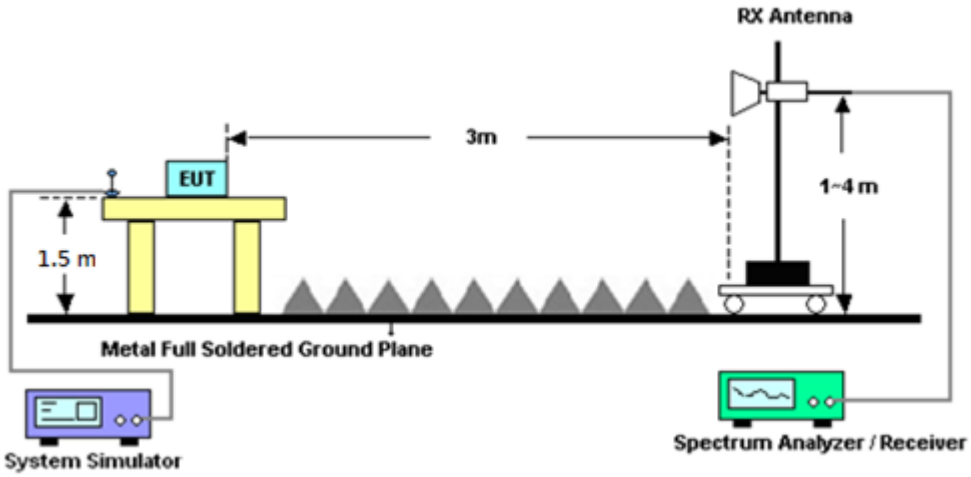
For radiated test below 30MHz



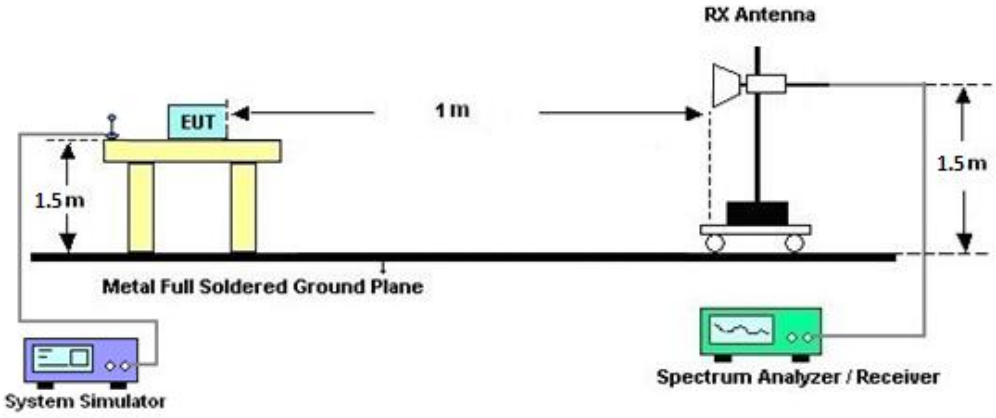
For radiated test from 30MHz to 1GHz



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

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 7, 41

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

For LTE Band 13

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

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

4.2.2 Test Procedures

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

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

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

    For LTE Band 7, 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6261849015	LTE	Sep. 18, 2020	Mar. 22, 2021~ Mar. 23, 2021	Sep. 17, 2021	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8821C	6262002534 1	N/A	Oct. 06, 2020	Mar. 22, 2021~ Mar. 23, 2021	Oct. 05, 2021	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Mar. 08, 2021~ Mar. 12, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 29, 2020	Mar. 08, 2021~ Mar. 12, 2021	Apr. 28, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Mar. 08, 2021~ Mar. 12, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120D	9120D-1241	1GHz ~ 18GHz	Jul. 15, 2020	Mar. 08, 2021~ Mar. 12, 2021	Jul. 14, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	BBHA917058 4	18GHz~40GHz	Dec. 11, 2020	Mar. 08, 2021~ Mar. 12, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	BBHA917 0576	18GHz ~ 40GHz	May 22, 2020	Mar. 08, 2021~ Mar. 12, 2021	May 21, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWE R	PA-103	161075	10MHz~1GHz	Mar. 25, 2020	Mar. 08, 2021~ Mar. 12, 2021	Mar. 24, 2021	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Mar. 08, 2021~ Mar. 12, 2021	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	E-INSTRUM ENT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz~18GHz	Dec. 05, 2020	Mar. 08, 2021~ Mar. 12, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Mar. 08, 2021~ Mar. 12, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Mar. 08, 2021~ Mar. 12, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Jan. 31, 2021	Mar. 08, 2021~ Mar. 12, 2021	Jan. 30, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Mar. 08, 2021~ Mar. 10, 2021	Mar. 11, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 11, 2021~ Mar. 12, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Mar. 08, 2021~ Mar. 12, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Mar. 08, 2021~ Mar. 12, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Mar. 08, 2021~ Mar. 12, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Oct. 02, 2020	Mar. 08, 2021~ Mar. 12, 2021	Oct. 01, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 08, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 08, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 08, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Mar. 08, 2021~ Mar. 12, 2021	N/A	Radiation (03CH12-HY)

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.07**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.21**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.80**

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.31	23.54	23.58	23.99	0.2506
20	1	49		23.19	23.22	23.35		
20	1	99		23.27	23.36	23.37		
20	50	0		22.34	22.57	22.64		
20	50	24		22.35	22.37	22.44		
20	50	50		22.19	22.52	22.47		
20	100	0		22.40	22.59	22.38		
20	1	0	16-QAM	22.89	22.82	22.63	23.3	0.2138
20	1	49		22.40	22.74	22.45		
20	1	99		22.26	22.43	22.86		
20	50	0		21.53	21.58	21.46		
20	50	24		21.33	21.42	21.46		
20	50	50		21.24	21.53	21.50		
20	100	0		21.28	21.50	21.43		
20	1	0	64-QAM	21.59	21.85	21.71	22.26	0.1683
20	1	49		21.44	21.29	21.85		
20	1	99		21.20	21.63	21.70		
20	50	0		20.50	20.46	20.53		
20	50	24		20.40	20.38	20.62		
20	50	50		20.29	20.54	20.42		
20	100	0		20.22	20.43	20.46		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.28	23.57	23.55	23.98	0.2500
15	1	37		23.16	23.12	23.28		
15	1	74		23.19	23.28	23.37		
15	36	0		22.24	22.54	22.54		
15	36	20		22.32	22.30	22.38		
15	36	39		22.15	22.44	22.40		
15	75	0		22.32	22.57	22.35		
15	1	0	16-QAM	22.82	22.73	22.57	23.23	0.2104
15	1	37		22.38	22.72	22.36		
15	1	74		22.20	22.37	22.80		
15	36	0		21.43	21.56	21.45		
15	36	20		21.30	21.33	21.44		
15	36	39		21.22	21.48	21.44		
15	75	0		21.25	21.49	21.43		
15	1	0	64-QAM	21.52	21.75	21.66	22.2	0.1660
15	1	37		21.40	21.19	21.79		
15	1	74		21.17	21.61	21.62		
15	36	0		20.49	20.41	20.50		
15	36	20		20.36	20.31	20.56		
15	36	39		20.27	20.52	20.38		
15	75	0		20.12	20.39	20.46		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.22	23.58	23.49	23.99	0.2506
10	1	25		23.19	23.17	23.26		
10	1	49		23.19	23.28	23.28		
10	25	0		22.28	22.57	22.59		
10	25	12		22.33	22.31	22.34		
10	25	25		22.13	22.42	22.46		
10	50	0		22.32	22.58	22.34		
10	1	0	16-QAM	22.89	22.72	22.63	23.3	0.2138
10	1	25		22.36	22.69	22.38		
10	1	49		22.20	22.40	22.78		
10	25	0		21.47	21.52	21.40		
10	25	12		21.24	21.37	21.41		
10	25	25		21.23	21.52	21.44		
10	50	0		21.19	21.42	21.40		
10	1	0	64-QAM	21.58	21.80	21.70	22.21	0.1663
10	1	25		21.34	21.22	21.79		
10	1	49		21.12	21.59	21.70		
10	25	0		20.43	20.38	20.51		
10	25	12		20.35	20.34	20.60		
10	25	25		20.28	20.52	20.39		
10	50	0		20.16	20.34	20.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.31	23.54	23.56	23.97	0.2495
5	1	12		23.19	23.19	23.34		
5	1	24		23.17	23.33	23.29		
5	12	0		22.29	22.51	22.56		
5	12	7		22.31	22.29	22.40		
5	12	13		22.15	22.47	22.47		
5	25	0		22.33	22.52	22.34		
5	1	0	16-QAM	22.80	22.75	22.59	23.21	0.2094
5	1	12		22.37	22.65	22.39		
5	1	24		22.25	22.36	22.77		
5	12	0		21.47	21.56	21.45		
5	12	7		21.30	21.34	21.43		
5	12	13		21.20	21.50	21.43		
5	25	0		21.21	21.44	21.36		
5	1	0	64-QAM	21.50	21.75	21.68	22.26	0.1683
5	1	12		21.34	21.24	21.85		
5	1	24		21.12	21.56	21.63		
5	12	0		20.50	20.46	20.50		
5	12	7		20.30	20.33	20.52		
5	12	13		20.23	20.44	20.37		
5	25	0		20.22	20.34	20.46		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.38	23.47	23.54	23.35	0.2163
20	1	49		23.25	23.17	23.33		
20	1	99		23.37	23.46	23.40		
20	50	0		22.39	22.62	22.63		
20	50	24		22.27	22.49	22.46		
20	50	50		22.37	22.57	22.43		
20	100	0		22.40	22.55	22.54		
20	1	0	16-QAM	22.78	22.74	22.63	22.67	0.1849
20	1	49		22.34	22.57	22.60		
20	1	99		22.16	22.35	22.86		
20	50	0		21.48	21.47	21.46		
20	50	24		21.22	21.50	21.53		
20	50	50		21.33	21.42	21.56		
20	100	0		21.15	21.50	21.46		
20	1	0	64-QAM	21.54	21.92	21.64	21.81	0.1517
20	1	49		21.48	21.41	22.00		
20	1	99		21.20	21.68	21.61		
20	50	0		20.49	20.47	20.59		
20	50	24		20.29	20.37	20.73		
20	50	50		20.28	20.59	20.52		
20	100	0		20.30	20.42	20.29		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.36	23.43	23.49	23.30	0.2138
15	1	37		23.25	23.09	23.33		
15	1	74		23.27	23.45	23.39		
15	36	0		22.32	22.55	22.58		
15	36	20		22.24	22.40	22.46		
15	36	39		22.37	22.51	22.33		
15	75	0		22.34	22.49	22.53		
15	1	0	16-QAM	22.72	22.69	22.58	22.62	0.1828
15	1	37		22.33	22.56	22.52		
15	1	74		22.07	22.28	22.81		
15	36	0		21.48	21.39	21.36		
15	36	20		21.12	21.50	21.49		
15	36	39		21.30	21.36	21.52		
15	75	0		21.12	21.45	21.39		
15	1	0	64-QAM	21.47	21.88	21.60	21.77	0.1503
15	1	37		21.46	21.33	21.96		
15	1	74		21.18	21.65	21.54		
15	36	0		20.48	20.47	20.49		
15	36	20		20.24	20.31	20.72		
15	36	39		20.28	20.49	20.48		
15	75	0		20.27	20.38	20.21		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.34	23.47	23.48	23.29	0.2133
10	1	25		23.25	23.07	23.30		
10	1	49		23.27	23.45	23.33		
10	25	0		22.32	22.61	22.55		
10	25	12		22.17	22.46	22.41		
10	25	25		22.29	22.49	22.41		
10	50	0		22.32	22.46	22.48		
10	1	0	16-QAM	22.69	22.69	22.62	22.64	0.1837
10	1	25		22.33	22.48	22.58		
10	1	49		22.08	22.27	22.83		
10	25	0		21.45	21.43	21.45		
10	25	12		21.20	21.47	21.50		
10	25	25		21.26	21.33	21.54		
10	50	0		21.07	21.49	21.36		
10	1	0	64-QAM	21.45	21.84	21.56	21.75	0.1496
10	1	25		21.48	21.39	21.94		
10	1	49		21.12	21.64	21.53		
10	25	0		20.42	20.37	20.57		
10	25	12		20.28	20.31	20.65		
10	25	25		20.20	20.55	20.46		
10	50	0		20.21	20.34	20.27		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.36	23.47	23.53	23.34	0.2158
5	1	12		23.25	23.13	23.31		
5	1	24		23.35	23.39	23.39		
5	12	0		22.31	22.58	22.60		
5	12	7		22.19	22.40	22.42		
5	12	13		22.35	22.54	22.42		
5	25	0		22.31	22.50	22.46		
5	1	0	16-QAM	22.74	22.70	22.58	22.60	0.1820
5	1	12		22.32	22.53	22.55		
5	1	24		22.15	22.31	22.79		
5	12	0		21.44	21.37	21.44		
5	12	7		21.15	21.45	21.44		
5	12	13		21.31	21.37	21.56		
5	25	0		21.06	21.46	21.41		
5	1	0	64-QAM	21.50	21.92	21.60	21.80	0.1514
5	1	12		21.42	21.41	21.99		
5	1	24		21.18	21.66	21.60		
5	12	0		20.44	20.45	20.49		
5	12	7		20.29	20.36	20.67		
5	12	13		20.25	20.57	20.44		
5	25	0		20.21	20.41	20.21		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.38	23.40	23.52	23.33	0.2153
3	1	8		23.17	23.14	23.33		
3	1	14		23.33	23.46	23.34		
3	8	0		22.29	22.62	22.58		
3	8	4		22.23	22.41	22.46		
3	8	7		22.30	22.54	22.37		
3	15	0		22.32	22.55	22.49		
3	1	0	16-QAM	22.75	22.74	22.62	22.59	0.1816
3	1	8		22.32	22.48	22.60		
3	1	14		22.11	22.33	22.78		
3	8	0		21.44	21.40	21.39		
3	8	4		21.13	21.42	21.52		
3	8	7		21.23	21.35	21.52		
3	15	0		21.10	21.41	21.38		
3	1	0	64-QAM	21.49	21.91	21.61	21.72	0.1486
3	1	8		21.48	21.37	21.90		
3	1	14		21.12	21.66	21.52		
3	8	0		20.45	20.41	20.56		
3	8	4		20.20	20.37	20.64		
3	8	7		20.27	20.55	20.44		
3	15	0		20.30	20.41	20.24		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.31	23.47	23.52	23.33	0.2153
1.4	1	3		23.23	23.15	23.33		
1.4	1	5		23.31	23.36	23.40		
1.4	3	0		22.38	22.56	22.53		
1.4	3	1		22.19	22.45	22.45		
1.4	3	3		22.34	22.51	22.35		
1.4	6	0		22.39	22.45	22.47		
1.4	1	0	16-QAM	22.72	22.71	22.58	22.63	0.1832
1.4	1	3		22.26	22.57	22.58		
1.4	1	5		22.14	22.30	22.82		
1.4	3	0		21.44	21.38	21.40		
1.4	3	1		21.15	21.40	21.52		
1.4	3	3		21.28	21.33	21.55		
1.4	6	0		21.12	21.46	21.44		
1.4	1	0	64-QAM	21.50	21.86	21.54	21.78	0.1507
1.4	1	3		21.41	21.33	21.97		
1.4	1	5		21.19	21.68	21.52		
1.4	3	0		20.41	20.44	20.57		
1.4	3	1		20.28	20.33	20.69		
1.4	3	3		20.24	20.58	20.43		
1.4	6	0		20.29	20.37	20.25		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.62	23.78	23.99	21.63	0.1455
10	1	25		23.72	23.78	23.98		
10	1	49		23.51	23.76	23.60		
10	25	0		22.64	22.83	22.83		
10	25	12		22.80	22.80	22.82		
10	25	25		22.71	22.98	22.81		
10	50	0		22.72	22.79	22.85		
10	1	0	16-QAM	22.40	22.80	22.07	20.44	0.1107
10	1	25		21.89	22.25	21.92		
10	1	49		22.03	21.91	22.03		
10	25	0		21.67	21.94	21.91		
10	25	12		21.81	21.85	21.89		
10	25	25		21.62	21.87	21.81		
10	50	0		21.75	21.88	21.82		
10	1	0	64-QAM	21.78	21.60	21.82	19.63	0.0918
10	1	25		21.08	21.50	21.70		
10	1	49		21.49	21.99	21.32		
10	25	0		20.64	20.92	20.86		
10	25	12		20.87	20.83	20.86		
10	25	25		20.74	20.92	20.86		
10	50	0		20.74	20.70	20.87		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.52	23.73	23.91	21.55	0.1429
5	1	12		23.65	23.63	23.81		
5	1	24		23.42	23.59	23.42		
5	12	0		22.53	22.68	22.67		
5	12	7		22.67	22.75	22.81		
5	12	13		22.58	22.82	22.71		
5	25	0		22.68	22.77	22.72		
5	1	0	16-QAM	22.28	22.74	22.04	20.38	0.1091
5	1	12		21.85	22.25	21.87		
5	1	24		21.86	21.91	22.03		
5	12	0		21.58	21.86	21.86		
5	12	7		21.76	21.76	21.86		
5	12	13		21.49	21.69	21.61		
5	25	0		21.71	21.76	21.73		
5	1	0	64-QAM	21.77	21.46	21.77	19.48	0.0887
5	1	12		21.03	21.36	21.53		
5	1	24		21.32	21.84	21.30		
5	12	0		20.62	20.72	20.81		
5	12	7		20.85	20.79	20.73		
5	12	13		20.67	20.91	20.73		
5	25	0		20.68	20.57	20.70		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.45	23.59	23.82	21.47	0.1403
3	1	8		23.55	23.70	23.83		
3	1	14		23.50	23.65	23.60		
3	8	0		22.48	22.65	22.83		
3	8	4		22.62	22.78	22.71		
3	8	7		22.61	22.84	22.69		
3	15	0		22.64	22.64	22.75		
3	1	0	16-QAM	22.27	22.77	21.93	20.41	0.1099
3	1	8		21.74	22.15	21.75		
3	1	14		22.00	21.85	21.95		
3	8	0		21.57	21.79	21.89		
3	8	4		21.75	21.84	21.73		
3	8	7		21.45	21.85	21.80		
3	15	0		21.55	21.81	21.67		
3	1	0	64-QAM	21.75	21.53	21.70	19.43	0.0877
3	1	8		21.06	21.30	21.69		
3	1	14		21.44	21.79	21.25		
3	8	0		20.51	20.74	20.84		
3	8	4		20.74	20.79	20.80		
3	8	7		20.70	20.79	20.69		
3	15	0		20.63	20.52	20.70		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.52	23.66	23.80	21.58	0.1439
1.4	1	3		23.55	23.73	23.94		
1.4	1	5		23.51	23.57	23.46		
1.4	3	0		22.52	22.77	22.78		
1.4	3	1		22.67	22.79	22.79		
1.4	3	3		22.65	22.96	22.74		
1.4	6	0		22.61	22.78	22.72		
1.4	1	0	16-QAM	22.28	22.66	21.92	20.3	0.1072
1.4	1	3		21.81	22.23	21.77		
1.4	1	5		21.84	21.75	22.00		
1.4	3	0		21.55	21.74	21.75		
1.4	3	1		21.73	21.73	21.88		
1.4	3	3		21.53	21.73	21.72		
1.4	6	0		21.65	21.76	21.65		
1.4	1	0	64-QAM	21.72	21.53	21.76	19.59	0.0910
1.4	1	3		20.96	21.42	21.55		
1.4	1	5		21.46	21.95	21.19		
1.4	3	0		20.47	20.76	20.86		
1.4	3	1		20.76	20.77	20.82		
1.4	3	3		20.54	20.79	20.72		
1.4	6	0		20.55	20.67	20.69		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.94	22.81	22.78	20.04	0.1009
20	1	49		22.68	22.68	22.61		
20	1	99		22.56	22.65	22.61		
20	50	0		21.94	21.93	21.59		
20	50	24		21.74	21.78	21.53		
20	50	50		21.71	21.84	21.58		
20	100	0		21.86	21.85	21.55		
20	1	0	16-QAM	22.23	22.23	21.89	19.33	0.0857
20	1	49		21.50	22.23	22.15		
20	1	99		22.22	21.90	21.61		
20	50	0		20.76	20.91	20.60		
20	50	24		20.70	20.73	20.55		
20	50	50		20.61	20.65	20.52		
20	100	0		20.71	20.84	20.56		
20	1	0	64-QAM	20.95	21.24	21.15	18.34	0.0682
20	1	49		20.55	21.21	20.88		
20	1	99		20.84	21.05	20.48		
20	50	0		19.79	19.85	19.65		
20	50	24		19.77	19.79	19.62		
20	50	50		19.69	19.91	19.50		
20	100	0		19.72	19.89	19.64		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.84	22.77	22.68	19.94	0.0986
15	1	37		22.64	22.61	22.52		
15	1	74		22.55	22.62	22.55		
15	36	0		21.85	21.92	21.53		
15	36	20		21.73	21.76	21.53		
15	36	39		21.67	21.82	21.48		
15	75	0		21.85	21.83	21.47		
15	1	0	16-QAM	22.20	22.18	21.79	19.30	0.0851
15	1	37		21.48	22.19	22.07		
15	1	74		22.12	21.80	21.54		
15	36	0		20.68	20.91	20.53		
15	36	20		20.64	20.64	20.55		
15	36	39		20.55	20.63	20.48		
15	75	0		20.62	20.83	20.49		
15	1	0	64-QAM	20.85	21.24	21.15	18.34	0.0682
15	1	37		20.47	21.17	20.83		
15	1	74		20.83	20.96	20.47		
15	36	0		19.78	19.79	19.61		
15	36	20		19.74	19.72	19.55		
15	36	39		19.65	19.91	19.45		
15	75	0		19.68	19.86	19.64		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.87	22.73	22.70	19.97	0.0993
10	1	25		22.62	22.62	22.59		
10	1	49		22.50	22.58	22.51		
10	25	0		21.94	21.90	21.54		
10	25	12		21.65	21.76	21.49		
10	25	25		21.67	21.78	21.53		
10	50	0		21.84	21.85	21.50		
10	1	0	16-QAM	22.15	22.14	21.86	19.28	0.0847
10	1	25		21.45	22.18	22.09		
10	1	49		22.15	21.85	21.58		
10	25	0		20.70	20.85	20.60		
10	25	12		20.61	20.67	20.45		
10	25	25		20.54	20.60	20.51		
10	50	0		20.67	20.77	20.47		
10	1	0	64-QAM	20.87	21.14	21.13	18.24	0.0667
10	1	25		20.51	21.11	20.78		
10	1	49		20.80	21.00	20.44		
10	25	0		19.75	19.82	19.63		
10	25	12		19.72	19.73	19.62		
10	25	25		19.67	19.87	19.50		
10	50	0		19.62	19.87	19.64		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.90	22.72	22.75	20.00	0.1000
5	1	12		22.62	22.58	22.54		
5	1	24		22.51	22.57	22.58		
5	12	0		21.84	21.90	21.58		
5	12	7		21.68	21.68	21.53		
5	12	13		21.71	21.83	21.49		
5	25	0		21.83	21.80	21.53		
5	1	0	16-QAM	22.20	22.20	21.85	19.30	0.0851
5	1	12		21.43	22.14	22.07		
5	1	24		22.13	21.83	21.55		
5	12	0		20.67	20.81	20.54		
5	12	7		20.68	20.69	20.52		
5	12	13		20.53	20.59	20.47		
5	25	0		20.63	20.76	20.47		
5	1	0	64-QAM	20.88	21.24	21.12	18.34	0.0682
5	1	12		20.48	21.21	20.88		
5	1	24		20.78	21.05	20.40		
5	12	0		19.75	19.81	19.65		
5	12	7		19.67	19.78	19.58		
5	12	13		19.64	19.90	19.44		
5	25	0		19.65	19.80	19.61		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.42	23.63	23.60	17.76	0.0597
10	1	25		23.44	23.40	23.34		
10	1	49		23.43	23.37	23.45		
10	25	0		22.51	22.56	22.54		
10	25	12		22.48	22.50	22.50		
10	25	25		22.44	22.44	22.47		
10	50	0		22.50	22.51	22.49		
10	1	0	16-QAM	22.55	22.96	22.94	17.09	0.0512
10	1	25		22.33	22.52	22.89		
10	1	49		22.90	22.17	22.63		
10	25	0		21.40	21.51	21.50		
10	25	12		21.50	21.44	21.70		
10	25	25		21.49	21.55	21.50		
10	50	0		21.51	21.48	21.60		
10	1	0	64-QAM	21.54	21.34	21.67	15.98	0.0396
10	1	25		21.50	21.85	21.65		
10	1	49		21.32	21.54	21.40		
10	25	0		20.47	20.49	20.41		
10	25	12		20.57	20.52	20.68		
10	25	25		20.49	20.53	20.46		
10	50	0		20.47	20.50	20.56		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.35	23.55	23.54	17.68	0.0586
5	1	12		23.37	23.30	23.27		
5	1	24		23.33	23.31	23.38		
5	12	0		22.51	22.54	22.54		
5	12	7		22.50	22.46	22.48		
5	12	13		22.37	22.42	22.40		
5	25	0		22.43	22.45	22.52		
5	1	0	16-QAM	22.46	22.90	22.86	17.03	0.0505
5	1	12		22.26	22.45	22.79		
5	1	24		22.87	22.10	22.58		
5	12	0		21.34	21.41	21.50		
5	12	7		21.41	21.43	21.63		
5	12	13		21.46	21.48	21.47		
5	25	0		21.46	21.40	21.52		
5	1	0	64-QAM	21.44	21.33	21.65	15.93	0.0392
5	1	12		21.50	21.80	21.61		
5	1	24		21.22	21.47	21.30		
5	12	0		20.39	20.49	20.41		
5	12	7		20.55	20.51	20.58		
5	12	13		20.39	20.46	20.40		
5	25	0		20.37	20.42	20.55		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.41	23.56	23.52	17.69	0.0587
3	1	8		23.44	23.33	23.28		
3	1	14		23.41	23.28	23.42		
3	8	0		22.55	22.47	22.53		
3	8	4		22.52	22.41	22.46		
3	8	7		22.44	22.35	22.42		
3	15	0		22.47	22.50	22.45		
3	1	0	16-QAM	22.48	22.86	22.89	17.02	0.0504
3	1	8		22.23	22.47	22.80		
3	1	14		22.88	22.13	22.55		
3	8	0		21.30	21.50	21.43		
3	8	4		21.43	21.35	21.63		
3	8	7		21.48	21.51	21.43		
3	15	0		21.48	21.39	21.59		
3	1	0	64-QAM	21.45	21.28	21.63	15.94	0.0393
3	1	8		21.47	21.81	21.61		
3	1	14		21.31	21.52	21.34		
3	8	0		20.44	20.39	20.37		
3	8	4		20.48	20.51	20.68		
3	8	7		20.42	20.48	20.42		
3	15	0		20.41	20.50	20.51		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3.72 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.35	23.57	23.53	17.7	0.0589
1.4	1	3		23.36	23.36	23.24		
1.4	1	5		23.34	23.29	23.43		
1.4	3	0		22.56	22.47	22.49		
1.4	3	1		22.48	22.42	22.49		
1.4	3	3		22.37	22.37	22.37		
1.4	6	0		22.43	22.46	22.52		
1.4	1	0	16-QAM	22.47	22.88	22.88	17.01	0.0502
1.4	1	3		22.29	22.51	22.87		
1.4	1	5		22.80	22.15	22.54		
1.4	3	0		21.36	21.48	21.45		
1.4	3	1		21.40	21.39	21.64		
1.4	3	3		21.41	21.50	21.50		
1.4	6	0		21.51	21.44	21.54		
1.4	1	0	64-QAM	21.45	21.32	21.67	15.91	0.0390
1.4	1	3		21.42	21.78	21.61		
1.4	1	5		21.31	21.48	21.38		
1.4	3	0		20.37	20.40	20.31		
1.4	3	1		20.54	20.44	20.58		
1.4	3	3		20.46	20.52	20.45		
1.4	6	0		20.45	20.49	20.52		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.68	-	21.18	0.1312
10	1	25			23.25			
10	1	49			23.53			
10	25	0			22.61			
10	25	12			22.53			
10	25	25			22.61			
10	50	0			22.52			
10	1	0	16-QAM		22.48		20.23	0.1054
10	1	25			22.73			
10	1	49			22.36			
10	25	0			21.59			
10	25	12			21.52			
10	25	25			21.66			
10	50	0			21.59			
10	1	0	64-QAM		21.89		19.46	0.0883
10	1	25			21.55			
10	1	49			21.96			
10	25	0			20.63			
10	25	12			20.57			
10	25	25			20.58			
10	50	0			20.56			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.59	23.61	23.62	21.12	0.1294
5	1	12		23.24	23.18	23.23		
5	1	24		23.44	23.51	23.52		
5	12	0		22.53	22.60	22.57		
5	12	7		22.49	22.52	22.48		
5	12	13		22.61	22.51	22.59		
5	25	0		22.47	22.44	22.47		
5	1	0	16-QAM	22.45	22.39	22.41	20.2	0.1047
5	1	12		22.64	22.70	22.68		
5	1	24		22.31	22.34	22.29		
5	12	0		21.57	21.49	21.54		
5	12	7		21.51	21.47	21.42		
5	12	13		21.63	21.59	21.64		
5	25	0		21.55	21.56	21.58		
5	1	0	64-QAM	21.84	21.81	21.89	19.43	0.0877
5	1	12		21.53	21.46	21.53		
5	1	24		21.90	21.93	21.86		
5	12	0		20.61	20.55	20.57		
5	12	7		20.53	20.55	20.55		
5	12	13		20.51	20.48	20.56		
5	25	0		20.46	20.46	20.48		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.75	23.74	23.89	21.53	0.1422
15	1	37		23.47	23.69	23.86		
15	1	74		23.59	23.68	23.80		
15	36	0		22.73	22.89	22.85		
15	36	20		22.62	22.86	22.80		
15	36	39		22.52	22.80	22.74		
15	75	0		22.65	22.78	22.79		
15	1	0	16-QAM	22.94	22.94	22.84	20.58	0.1143
15	1	37		22.88	22.94	22.94		
15	1	74		22.40	22.74	22.89		
15	36	0		21.76	21.86	21.92		
15	36	20		21.62	21.83	21.90		
15	36	39		21.60	21.93	21.71		
15	75	0		21.70	21.76	21.76		
15	1	0	64-QAM	21.84	21.86	21.86	19.64	0.0920
15	1	37		22.00	21.89	21.95		
15	1	74		21.99	21.92	21.99		
15	36	0		20.80	20.85	20.94		
15	36	20		20.71	20.98	20.78		
15	36	39		20.57	20.78	20.77		
15	75	0		20.69	20.86	20.76		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.74	23.73	23.84	21.5	0.1413
10	1	25		23.38	23.64	23.86		
10	1	49		23.57	23.60	23.70		
10	25	0		22.72	22.64	22.78		
10	25	12		22.61	22.81	22.76		
10	25	25		22.42	22.77	22.72		
10	50	0		22.55	22.72	22.77		
10	1	0	16-QAM	22.93	22.86	22.75	20.57	0.1140
10	1	25		22.86	22.92	22.84		
10	1	49		22.36	22.70	22.82		
10	25	0		21.69	21.78	21.84		
10	25	12		21.58	21.74	21.83		
10	25	25		21.57	21.87	21.63		
10	50	0		21.67	21.66	21.67		
10	1	0	64-QAM	21.82	21.76	21.84	19.62	0.0916
10	1	25		21.98	21.86	21.87		
10	1	49		21.90	21.90	21.96		
10	25	0		20.77	20.81	20.92		
10	25	12		20.67	20.90	20.76		
10	25	25		20.55	20.69	20.71		
10	50	0		20.68	20.79	20.75		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.67	23.69	23.86	21.5	0.1413
5	1	12		23.37	23.68	23.81		
5	1	24		23.52	23.59	23.75		
5	12	0		22.63	22.69	22.76		
5	12	7		22.56	22.84	22.76		
5	12	13		22.48	22.80	22.70		
5	25	0		22.56	22.71	22.75		
5	1	0	16-QAM	22.89	22.84	22.75	20.53	0.1130
5	1	12		22.81	22.87	22.86		
5	1	24		22.40	22.68	22.79		
5	12	0		21.73	21.77	21.91		
5	12	7		21.55	21.82	21.87		
5	12	13		21.50	21.93	21.65		
5	25	0		21.70	21.70	21.69		
5	1	0	64-QAM	21.80	21.81	21.80	19.63	0.0918
5	1	12		21.94	21.80	21.93		
5	1	24		21.96	21.86	21.99		
5	12	0		20.73	20.83	20.84		
5	12	7		20.69	20.92	20.77		
5	12	13		20.53	20.73	20.70		
5	25	0		20.64	20.77	20.74		
Limit	ERP < 7W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.77	23.18	22.77	21.77	0.1503
20	1	49		22.37	22.95	22.48		
20	1	99		22.75	22.74	22.39		
20	50	0		21.97	21.98	21.78		
20	50	24		21.59	21.90	21.66		
20	50	50		21.55	21.89	21.61		
20	100	0		21.88	22.01	21.60		
20	1	0	16-QAM	22.32	21.72	22.04	20.97	0.1250
20	1	49		22.13	22.38	21.64		
20	1	99		21.76	21.90	21.78		
20	50	0		21.13	20.98	20.59		
20	50	24		20.65	21.04	20.38		
20	50	50		20.83	20.93	20.52		
20	100	0		20.63	20.94	20.57		
20	1	0	64-QAM	20.60	20.56	20.42	19.38	0.0867
20	1	49		20.24	20.79	20.12		
20	1	99		20.24	20.33	20.30		
20	50	0		19.97	20.06	19.88		
20	50	24		19.84	19.91	19.46		
20	50	50		19.79	19.82	19.57		
20	100	0		19.89	19.96	19.72		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.76	23.11	22.69	21.70	0.1479
15	1	37		22.27	22.93	22.41		
15	1	74		22.75	22.73	22.39		
15	36	0		21.91	21.93	21.78		
15	36	20		21.57	21.90	21.65		
15	36	39		21.52	21.87	21.55		
15	75	0		21.78	21.99	21.60		
15	1	0	16-QAM	22.24	21.64	21.98	20.95	0.1245
15	1	37		22.09	22.36	21.57		
15	1	74		21.70	21.89	21.78		
15	36	0		21.13	20.95	20.53		
15	36	20		20.56	20.98	20.31		
15	36	39		20.77	20.84	20.50		
15	75	0		20.59	20.85	20.53		
15	1	0	64-QAM	20.52	20.48	20.40	19.36	0.0863
15	1	37		20.23	20.77	20.05		
15	1	74		20.19	20.29	20.26		
15	36	0		19.89	19.96	19.78		
15	36	20		19.83	19.90	19.43		
15	36	39		19.71	19.77	19.50		
15	75	0		19.84	19.86	19.63		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.72	23.13	22.77	21.72	0.1486
10	1	25		22.32	22.90	22.44		
10	1	49		22.66	22.71	22.31		
10	25	0		21.97	21.93	21.68		
10	25	12		21.58	21.89	21.63		
10	25	25		21.53	21.88	21.53		
10	50	0		21.84	21.99	21.60		
10	1	0	16-QAM	22.26	21.71	22.04	20.93	0.1239
10	1	25		22.05	22.34	21.61		
10	1	49		21.69	21.86	21.68		
10	25	0		21.13	20.90	20.50		
10	25	12		20.63	20.94	20.35		
10	25	25		20.73	20.88	20.50		
10	50	0		20.62	20.84	20.56		
10	1	0	64-QAM	20.59	20.53	20.37	19.38	0.0867
10	1	25		20.18	20.79	20.12		
10	1	49		20.15	20.33	20.20		
10	25	0		19.95	20.01	19.88		
10	25	12		19.79	19.89	19.44		
10	25	25		19.76	19.76	19.54		
10	50	0		19.89	19.86	19.70		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.67	23.10	22.70	21.69	0.1476
5	1	12		22.35	22.89	22.44		
5	1	24		22.69	22.72	22.35		
5	12	0		21.90	21.95	21.75		
5	12	7		21.56	21.84	21.58		
5	12	13		21.55	21.84	21.56		
5	25	0		21.81	21.91	21.52		
5	1	0	16-QAM	22.27	21.69	22.04	20.96	0.1247
5	1	12		22.13	22.37	21.54		
5	1	24		21.70	21.86	21.75		
5	12	0		21.04	20.97	20.52		
5	12	7		20.59	20.95	20.29		
5	12	13		20.80	20.91	20.43		
5	25	0		20.60	20.84	20.47		
5	1	0	64-QAM	20.57	20.50	20.36	19.30	0.0851
5	1	12		20.23	20.71	20.08		
5	1	24		20.24	20.27	20.20		
5	12	0		19.95	19.97	19.82		
5	12	7		19.78	19.91	19.41		
5	12	13		19.69	19.72	19.57		
5	25	0		19.86	19.93	19.65		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.25	23.39	23.30	23.74	0.2366
20	1	49		23.10	23.10	23.23		
20	1	99		23.19	23.22	23.26		
20	50	0		22.25	22.29	22.24		
20	50	24		22.16	22.19	22.11		
20	50	50		22.17	22.19	22.14		
20	100	0		22.15	22.27	22.18		
20	1	0	16-QAM	22.73	22.76	22.48	23.11	0.2046
20	1	49		22.57	22.30	22.43		
20	1	99		22.27	22.16	22.70		
20	50	0		21.45	21.36	21.43		
20	50	24		21.35	21.19	21.46		
20	50	50		21.41	21.18	21.43		
20	100	0		21.34	21.15	21.34		
20	1	0	64-QAM	21.85	21.46	21.58	22.27	0.1687
20	1	49		21.25	21.39	21.92		
20	1	99		21.55	21.13	21.53		
20	50	0		20.34	20.32	20.41		
20	50	24		20.31	20.20	20.55		
20	50	50		20.40	20.19	20.34		
20	100	0		20.33	20.22	20.28		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.20	23.24	23.27	23.62	0.2301
15	1	37		23.02	23.03	23.19		
15	1	74		23.15	23.22	23.26		
15	36	0		22.28	22.35	22.44		
15	36	20		22.16	22.22	22.40		
15	36	39		22.19	22.35	22.28		
15	75	0		22.25	22.39	22.33		
15	1	0	16-QAM	22.67	22.72	22.40	23.07	0.2028
15	1	37		22.22	22.50	22.38		
15	1	74		22.16	22.21	22.60		
15	36	0		21.26	21.40	21.37		
15	36	20		21.14	21.26	21.38		
15	36	39		21.15	21.40	21.43		
15	75	0		21.11	21.31	21.31		
15	1	0	64-QAM	21.46	21.84	21.50	22.19	0.1656
15	1	37		21.31	21.16	21.84		
15	1	74		21.09	21.53	21.52		
15	36	0		20.29	20.25	20.40		
15	36	20		20.12	20.22	20.54		
15	36	39		20.11	20.39	20.29		
15	75	0		20.15	20.32	20.26		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.18	23.22	23.30	23.65	0.2317
10	1	25		23.02	23.03	23.27		
10	1	49		23.19	23.20	23.26		
10	25	0		22.24	22.41	22.44		
10	25	12		22.11	22.26	22.39		
10	25	25		22.09	22.31	22.32		
10	50	0		22.23	22.33	22.36		
10	1	0	16-QAM	22.71	22.71	22.45	23.06	0.2023
10	1	25		22.26	22.54	22.39		
10	1	49		22.06	22.19	22.62		
10	25	0		21.35	21.35	21.36		
10	25	12		21.14	21.31	21.38		
10	25	25		21.13	21.38	21.42		
10	50	0		21.09	21.25	21.26		
10	1	0	64-QAM	21.39	21.83	21.52	22.26	0.1683
10	1	25		21.30	21.22	21.91		
10	1	49		21.09	21.54	21.44		
10	25	0		20.29	20.28	20.34		
10	25	12		20.20	20.22	20.51		
10	25	25		20.19	20.34	20.30		
10	50	0		20.19	20.31	20.26		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.11	23.27	23.25	23.62	0.2301
5	1	12		23.05	23.06	23.25		
5	1	24		23.08	23.20	23.19		
5	12	0		22.28	22.43	22.36		
5	12	7		22.14	22.27	22.35		
5	12	13		22.17	22.37	22.25		
5	25	0		22.26	22.33	22.30		
5	1	0	16-QAM	22.66	22.63	22.44	23.04	0.2014
5	1	12		22.27	22.48	22.37		
5	1	24		22.11	22.25	22.69		
5	12	0		21.27	21.41	21.36		
5	12	7		21.09	21.29	21.38		
5	12	13		21.15	21.37	21.39		
5	25	0		21.13	21.29	21.24		
5	1	0	64-QAM	21.39	21.83	21.57	22.24	0.1675
5	1	12		21.39	21.18	21.89		
5	1	24		21.03	21.46	21.43		
5	12	0		20.32	20.29	20.35		
5	12	7		20.19	20.21	20.50		
5	12	13		20.10	20.36	20.24		
5	25	0		20.19	20.24	20.20		
Limit	EIRP < 1W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -2.9 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	22.12	22.09	22.13	21.33	0.1358
20+20	1	0	1	99		15.31	15.38	15.32		
20+20	1	99	1	0		24.23	24.23	24.04		
20+20	100	0	100	0	16-QAM	21.11	21.09	21.13	20.74	0.1186
20+20	1	0	1	99		15.75	15.84	15.96		
20+20	1	99	1	0		23.50	23.64	23.47		
20+20	100	0	100	0	64-QAM	21.09	21.12	21.16	18.69	0.0740
20+20	1	0	1	99		15.80	15.81	15.81		
20+20	1	99	1	0		21.59	21.45	21.54		
20+15	100	0	75	0	QPSK	22.15	22.14	22.13	21.56	0.1432
20+15	1	0	1	74		15.42	15.57	15.53		
20+15	1	99	1	0		24.46	24.19	24.24		
20+15	100	0	75	0	16-QAM	21.12	21.16	21.09	20.72	0.1180
20+15	1	0	1	74		15.96	15.90	15.84		
20+15	1	99	1	0		23.59	23.62	23.43		
20+15	100	0	75	0	64-QAM	21.19	21.18	21.08	18.74	0.0748
20+15	1	0	1	74		15.83	15.85	15.91		
20+15	1	99	1	0		21.60	21.64	21.61		
15+20	75	0	100	0	QPSK	22.07	22.11	22.05	21.50	0.1413
15+20	1	0	1	99		15.45	15.53	15.53		
15+20	1	74	1	0		24.36	24.40	24.07		
15+20	75	0	100	0	16-QAM	21.09	21.12	21.06	20.77	0.1194
15+20	1	0	1	99		15.98	15.90	15.88		
15+20	1	74	1	0		23.46	23.67	23.61		
15+20	75	0	100	0	64-QAM	21.09	21.15	21.08	18.57	0.0719
15+20	1	0	1	99		15.84	15.82	15.86		
15+20	1	74	1	0		21.47	21.35	21.34		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -2.9 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	75	0	QPSK	22.10	22.20	22.06	21.56	0.1432
20+10	1	0	1	74		15.53	15.64	15.61		
20+10	1	99	1	0		24.35	24.46	24.06		
20+10	100	0	75	0	16-QAM	21.14	21.20	21.13	20.75	0.1189
20+10	1	0	1	74		15.90	15.90	15.96		
20+10	1	99	1	0		23.65	23.63	23.50		
20+10	100	0	75	0	64-QAM	21.12	21.20	21.13	18.60	0.0724
20+10	1	0	1	74		15.70	15.83	15.90		
20+10	1	99	1	0		21.35	21.50	21.40		
10+20	75	0	100	0	QPSK	22.06	22.15	22.09	21.35	0.1365
10+20	1	0	1	99		15.48	15.63	15.61		
10+20	1	74	1	0		23.91	24.11	24.25		
10+20	75	0	100	0	16-QAM	21.09	21.17	21.10	20.75	0.1189
10+20	1	0	1	99		15.81	16.01	16.10		
10+20	1	74	1	0		23.35	23.65	23.31		
10+20	75	0	100	0	64-QAM	21.09	21.13	21.13	18.56	0.0718
10+20	1	0	1	99		15.68	15.81	15.94		
10+20	1	74	1	0		21.34	21.46	21.34		
15+15	75	0	100	0	QPSK	22.13	22.16	22.10	21.32	0.1355
15+15	1	0	1	99		15.48	15.56	15.56		
15+15	1	74	1	0		24.17	24.22	24.13		
15+15	75	0	100	0	16-QAM	21.15	21.18	21.08	20.75	0.1189
15+15	1	0	1	99		15.99	16.09	16.03		
15+15	1	74	1	0		23.46	23.65	23.52		
15+15	75	0	100	0	64-QAM	21.16	21.17	21.11	18.81	0.0760
15+15	1	0	1	99		15.75	15.85	15.81		
15+15	1	74	1	0		21.71	21.59	21.47		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -2.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	100	0	QPSK	22.01	22.14	22.07	21.41	0.1384
15+10	1	0	1	99		15.38	15.48	15.47		
15+10	1	74	1	0		24.16	24.31	24.16		
15+10	75	0	100	0	16-QAM	21.07	21.23	21.09	20.75	0.1189
15+10	1	0	1	99		15.84	16.02	15.96		
15+10	1	74	1	0		23.65	23.44	23.55		
15+10	75	0	100	0	64-QAM	21.04	21.23	21.12	18.74	0.0748
15+10	1	0	1	99		15.73	15.72	15.67		
15+10	1	74	1	0		21.37	21.64	21.41		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.41 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	22.42	22.81	22.81	23.46	0.2218
20+20	1	0	1	99		15.81	16.26	16.15		
20+20	1	99	1	0		24.51	24.67	24.87		
20+20	100	0	100	0	16-QAM	21.47	21.86	21.81	22.96	0.1977
20+20	1	0	1	99		16.51	16.88	16.75		
20+20	1	99	1	0		23.96	24.37	24.09		
20+20	100	0	100	0	64-QAM	21.49	21.90	21.85	20.74	0.1186
20+20	1	0	1	99		16.04	16.42	16.35		
20+20	1	99	1	0		21.81	22.15	22.13		
20+15	100	0	75	0	QPSK	22.35	22.70	22.72	23.27	0.2123
20+15	1	0	1	74		15.75	16.20	16.22		
20+15	1	99	1	0		24.33	24.60	24.68		
20+15	100	0	75	0	16-QAM	21.42	21.77	21.79	22.89	0.1945
20+15	1	0	1	74		16.50	16.82	16.86		
20+15	1	99	1	0		23.87	24.30	24.02		
20+15	100	0	75	0	64-QAM	21.40	21.74	21.76	20.68	0.1169
20+15	1	0	1	74		16.06	16.38	16.47		
20+15	1	99	1	0		21.77	22.08	22.09		
15+20	75	0	100	0	QPSK	22.14	22.72	16.04	23.26	0.2118
15+20	1	0	1	99		15.63	15.97	24.67		
15+20	1	74	1	0		24.36	24.50	21.59		
15+20	75	0	100	0	16-QAM	21.24	21.76	16.67	22.62	0.1828
15+20	1	0	1	99		16.38	16.62	24.03		
15+20	1	74	1	0		23.69	23.97	21.60		
15+20	75	0	100	0	64-QAM	21.24	21.55	16.28	20.55	0.1135
15+20	1	0	1	99		15.89	16.24	21.96		
15+20	1	74	1	0		21.57	21.89	-		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.41 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	21.72	22.39	22.13	22.93	0.1963
20+10	1	0	1	49		15.12	15.89	15.53		
20+10	1	99	1	0		23.80	24.34	23.98		
20+10	100	0	50	0	16-QAM	20.86	21.43	20.97	22.31	0.1702
20+10	1	0	1	49		15.88	16.49	16.17		
20+10	1	99	1	0		23.25	23.72	23.36		
20+10	100	0	50	0	64-QAM	20.70	21.47	21.09	20.30	0.1072
20+10	1	0	1	49		15.44	16.11	15.72		
20+10	1	99	1	0		21.14	21.71	21.35		
10+20	50	0	100	0	QPSK	21.99	22.33	22.19	22.88	0.1941
10+20	1	0	1	99		15.41	15.86	15.63		
10+20	1	49	1	0		24.04	24.29	24.26		
10+20	50	0	100	0	16-QAM	21.12	21.41	21.26	22.31	0.1702
10+20	1	0	1	99		16.19	16.54	16.29		
10+20	1	49	1	0		23.29	23.72	23.52		
10+20	50	0	100	0	64-QAM	21.09	21.41	21.25	20.22	0.1052
10+20	1	0	1	99		15.70	16.05	15.84		
10+20	1	49	1	0		21.26	21.63	21.61		
20+5	100	0	25	0	QPSK	22.01	22.37	22.17	23.04	0.2014
20+5	1	0	1	24		15.39	15.83	15.59		
20+5	1	99	1	0		23.98	24.45	24.01		
20+5	100	0	25	0	16-QAM	21.07	21.42	21.23	22.23	0.1671
20+5	1	0	1	24		16.06	16.48	16.25		
20+5	1	99	1	0		23.62	23.64	23.40		
20+5	100	0	25	0	64-QAM	21.06	21.43	21.33	20.37	0.1089
20+5	1	0	1	24		15.77	16.06	15.84		
20+5	1	99	1	0		21.33	21.78	21.20		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.41 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	22.02	22.32	22.13	23.00	0.1995
5+20	1	0	1	99		15.36	15.81	15.52		
5+20	1	24	1	0		24.15	24.28	24.41		
5+20	25	0	100	0	16-QAM	21.02	21.37	21.18	22.35	0.1718
5+20	1	0	1	99		16.16	16.45	16.23		
5+20	1	24	1	0		23.29	23.76	23.59		
5+20	25	0	100	0	64-QAM	21.10	21.44	21.27	20.22	0.1052
5+20	1	0	1	99		15.69	16.03	15.83		
5+20	1	24	1	0		21.36	21.63	21.61		
15+10	75	0	50	0	QPSK	22.08	22.38	22.19	22.91	0.1954
15+10	1	0	1	49		15.41	15.84	15.57		
15+10	1	74	1	0		24.26	24.32	24.21		
15+10	75	0	50	0	16-QAM	21.14	21.47	21.27	22.32	0.1706
15+10	1	0	1	49		16.15	16.40	16.23		
15+10	1	74	1	0		23.46	23.73	23.52		
15+10	75	0	50	0	64-QAM	21.12	21.43	21.24	20.29	0.1069
15+10	1	0	1	49		15.71	16.09	15.84		
15+10	1	74	1	0		21.36	21.70	21.53		
10+15	50	0	75	0	QPSK	21.95	22.23	22.23	22.91	0.1954
10+15	1	0	1	74		15.38	15.67	15.62		
10+15	1	49	1	0		24.15	24.22	24.32		
10+15	50	0	75	0	16-QAM	21.08	21.35	21.30	22.25	0.1679
10+15	1	0	1	74		16.16	16.37	16.28		
10+15	1	49	1	0		23.34	23.66	23.54		
10+15	50	0	75	0	64-QAM	21.05	21.32	21.23	20.25	0.1059
10+15	1	0	1	74		15.67	15.95	15.86		
10+15	1	49	1	0		21.28	21.55	21.66		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.41 dB)										
15+15	75	0	75	0	QPSK	22.34	22.57	22.63	23.39	0.2183
15+15	1	0	1	74		15.67	16.09	16.05		
15+15	1	74	1	0		24.32	24.62	24.80		
15+15	75	0	75	0	16-QAM	21.43	21.61	21.68	22.75	0.1884
15+15	1	0	1	74		16.46	16.73	16.68		
15+15	1	74	1	0		23.90	24.07	24.16		
15+15	75	0	75	0	64-QAM	21.45	21.63	21.70	20.66	0.1164
15+15	1	0	1	74		15.99	16.31	16.29		
15+15	1	74	1	0		21.69	22.00	22.07		
Limit	EIRP < 2W					Result			Pass	

Appendix B. Test Results of Radiated Test

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-55.45	-13	-42.45	-73.38	-62.02	1.67	8.24	H
	5553	-50.98	-13	-37.98	-74.14	-58.05	2.66	9.72	H
	7404	-46.81	-13	-33.81	-73.62	-55.96	2.46	11.61	H
									H
									H
									H
	3702	-54.82	-13	-41.82	-72.9	-61.39	1.67	8.24	V
	5553	-51.36	-13	-38.36	-74.05	-58.43	2.66	9.72	V
	7404	-47.09	-13	-34.09	-73.75	-56.24	2.46	11.61	V
									V
									V
									V
Middle	3742	-55.07	-13	-42.07	-73.18	-61.68	1.68	8.29	H
	5613	-50.69	-13	-37.69	-73.77	-57.75	2.69	9.75	H
	7484	-46.83	-13	-33.83	-73.27	-56.16	2.43	11.77	H
									H
									H
									H
	3742	-53.93	-13	-40.93	-72.24	-60.54	1.68	8.29	V
	5613	-50.91	-13	-37.91	-73.65	-57.97	2.69	9.75	V
	7484	-47.53	-13	-34.53	-73.92	-56.86	2.43	11.77	V
									V
									V
									V

Highest	3782	-54.91	-13	-41.91	-73.2	-61.56	1.69	8.34	H
	5673	-49.23	-13	-36.23	-72.62	-56.27	2.72	9.77	H
	7564	-47.53	-13	-34.53	-73.57	-56.96	2.41	11.84	H
									H
									H
									H
									H
	3782	-54.35	-13	-41.35	-72.89	-61.00	1.69	8.34	V
	5673	-50.22	-13	-37.22	-73.12	-57.26	2.72	9.77	V
	7564	-47.37	-13	-34.37	-73.36	-56.80	2.41	11.84	V
									V
									V
									V
									V

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

LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-63.25	-13	-50.25	-71.7	-68.84	0.92	8.66	H
	2472	-45.13	-13	-32.13	-58.64	-52.50	1.14	10.66	H
	3296	-57.48	-13	-44.48	-72.82	-66.02	1.32	12.01	H
									H
									H
									H
									H
	1648	-61.93	-13	-48.93	-69.85	-67.52	0.92	8.66	V
	2472	-46.54	-13	-33.54	-60.2	-53.91	1.14	10.66	V
	3296	-56.94	-13	-43.94	-72.75	-65.48	1.32	12.01	V
									V
									V
									V
									V
Middle	1672	-61.67	-13	-48.67	-70.19	-67.35	0.93	8.75	H
	2508	-39.09	-13	-26.09	-52.65	-46.50	1.15	10.71	H
	3344	-57.61	-13	-44.61	-72.81	-66.25	1.33	12.13	H
	4180	-48.29	-13	-35.29	-67.11	-57.44	1.46	12.76	H
									H
									H
									H
	1672	-60.75	-13	-47.75	-68.64	-66.43	0.93	8.75	V
	2508	-39.86	-13	-26.86	-53.62	-47.27	1.15	10.71	V
	3344	-56.68	-13	-43.68	-72.33	-65.32	1.33	12.13	V
	4180	-49.50	-13	-36.50	-68.44	-58.65	1.46	12.76	V
									V
									V
									V

Highest	1696	-61.41	-13	-48.41	-70	-67.17	0.94	8.84	H
	2544	-49.64	-13	-36.64	-63.22	-57.08	1.16	10.75	H
	3392	-57.54	-13	-44.54	-72.61	-66.29	1.34	12.24	H
									H
									H
									H
									H
	1696	-59.82	-13	-46.82	-67.7	-65.58	0.94	8.84	V
	2544	-50.77	-13	-37.77	-64.46	-58.21	1.16	10.75	V
	3392	-57.14	-13	-44.14	-72.64	-65.89	1.34	12.24	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)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-32.35	-13.00	-19.35	-41.92	-37.00	0.84	7.64	H
	2096	-26.39	-13.00	-13.39	-38.99	-33.31	1.06	10.13	H
	2800	-51.52	-13.00	-38.52	-65.94	-59.21	1.22	11.06	H
	3496	-41.26	-13.00	-28.26	-57.23	-50.24	1.36	12.49	H
									H
									H
									H
	1400	-33.18	-13.00	-20.18	-41.52	-37.83	0.84	7.64	V
	2096	-28.74	-13.00	-15.74	-40.24	-35.66	1.06	10.13	V
	2800	-49.31	-13.00	-36.31	-63.67	-57.00	1.22	11.06	V
	3496	-41.92	-13.00	-28.92	-58.25	-50.90	1.36	12.49	V
									V
									V
									V
Middle	1408	-32.43	-13.00	-19.43	-41.97	-37.11	0.85	7.68	H
	2112	-27.01	-13.00	-14.01	-39.90	-33.95	1.06	10.16	H
	2816	-52.52	-13.00	-39.52	-67.00	-60.22	1.23	11.08	H
	3512	-42.13	-13.00	-29.13	-58.24	-51.12	1.36	12.51	H
	4216	-53.55	-13.00	-40.55	-72.49	-62.70	1.46	12.76	H
									H
									H
	1408	-32.54	-13.00	-19.54	-40.86	-37.22	0.85	7.68	V
	2112	-27.48	-13.00	-14.48	-39.25	-34.42	1.06	10.16	V
	2816	-47.43	-13.00	-34.43	-61.87	-55.13	1.23	11.08	V
	3512	-40.42	-13.00	-27.42	-56.85	-49.41	1.36	12.51	V
	4216	-51.83	-13.00	-38.83	-70.89	-60.98	1.46	12.76	V
									V
									V

Highest	1416	-33.27	-13.00	-20.27	-42.78	-37.99	0.85	7.71	H
	2120	-27.16	-13.00	-14.16	-40.19	-34.11	1.07	10.17	H
	2824	-50.30	-13.00	-37.30	-64.81	-58.01	1.23	11.09	H
	3536	-41.89	-13.00	-28.89	-58.19	-50.89	1.37	12.52	H
									H
									H
									H
	1416	-35.74	-13.00	-22.74	-44.04	-40.46	0.85	7.71	V
	2120	-28.03	-13.00	-15.03	-39.93	-34.98	1.07	10.17	V
	2824	-48.35	-13.00	-35.35	-62.83	-56.06	1.23	11.09	V
	3536	-41.35	-13.00	-28.35	-57.89	-50.35	1.37	12.52	V
									V
									V
									V

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

LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-44.68	-13	-31.68	-53.39	-49.94	0.89	8.30	H
	2336	-24.97	-13	-11.97	-38.72	-32.18	1.11	10.47	H
	3112	-54.53	-13	-41.53	-69.96	-62.66	1.29	11.57	H
	3888	-54.56	-13	-41.56	-72.65	-63.68	1.46	12.73	H
									H
									H
									H
	1552	-49.28	-13.00	-36.28	-57.28	-54.54	0.89	8.30	V
	2336	-26.87	-13	-13.87	-40.19	-34.08	1.11	10.47	V
	3112	-52.30	-13	-39.30	-68.07	-60.43	1.29	11.57	V
	3888	-53.38	-13	-40.38	-71.58	-62.50	1.46	12.73	V
									V
									V
									V
Middle	1560	-45.44	-42.15	-3.29	-54.08	-50.73	0.89	8.33	H
	2336	-25.08	-13	-12.08	-38.83	-32.29	1.11	10.47	H
	3120	-54.64	-13	-41.64	-70.09	-62.79	1.29	11.59	H
									H
									H
									H
									H
	1560	-49.33	-42.15	-7.18	-57.33	-54.62	0.89	8.33	V
	2336	-27.92	-13	-14.92	-41.24	-35.13	1.11	10.47	V
	3120	-51.43	-13	-38.43	-67.24	-59.58	1.29	11.59	V
									V
									V
									V
									V

Highest	1568	-44.93	-42.15	-2.78	-53.51	-50.25	0.89	8.36	H
	2344	-26.02	-13	-13.02	-39.71	-33.24	1.12	10.48	H
	3128	-50.56	-13	-37.56	-66.02	-58.72	1.29	11.61	H
	3912	-54.69	-13	-41.69	-72.84	-63.82	1.47	12.75	H
									H
									H
									H
	1568	-49.25	-42.15	-7.10	-57.24	-54.57	0.89	8.36	V
	2344	-25.58	-13	-12.58	-38.90	-32.80	1.12	10.48	V
	3128	-51.32	-13	-38.32	-67.16	-59.48	1.29	11.61	V
	3912	-52.03	-13	-39.03	-70.24	-61.16	1.47	12.75	V
									V
									V
									V

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

LTE Band 7C

LTE Band 7 / 15MHz+15MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5001	-51.82	-25	-26.82	-73.84	-62.81	1.61	12.60	H
	7502	-47.26	-25	-22.26	-73.62	-56.37	1.99	11.10	H
	10003	-44.38	-25	-19.38	-73.94	-53.28	2.40	11.30	H
									H
									H
									H
									H
	5001	-52.31	-25	-27.31	-73.88	-63.30	1.61	12.60	V
	7502	-47.27	-25	-22.27	-73.6	-56.38	1.99	11.10	V
	10003	-43.35	-25	-18.35	-73.7	-52.25	2.40	11.30	V
									V
									V
									V
									V
Middle	5041	-52.02	-25	-27.02	-74.02	-63.06	1.62	12.66	H
	7562	-47.73	-25	-22.73	-73.78	-56.84	2.00	11.11	H
	10083	-43.99	-25	-18.99	-73.76	-52.83	2.40	11.23	H
									H
									H
									H
									H
	5041	-52.24	-25	-27.24	-73.85	-63.28	1.62	12.66	V
	7562	-47.72	-25	-22.72	-73.73	-56.83	2.00	11.11	V
	10083	-43.52	-25	-18.52	-73.91	-52.36	2.40	11.23	V
									V
									V
									V
									V

Highest	5081	-52.50	-25	-27.50	-74.48	-63.58	1.63	12.71	H
	7622	-47.64	-25	-22.64	-73.49	-56.76	2.01	11.12	H
	10163	-43.65	-25	-18.65	-73.61	-52.42	2.40	11.17	H
									H
									H
									H
									H
	5081	-52.21	-25	-27.21	-73.86	-63.29	1.63	12.71	V
	7622	-47.94	-25	-22.94	-73.71	-57.06	2.01	11.12	V
	10163	-43.33	-25	-18.33	-73.74	-52.10	2.40	11.17	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)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-55.20	-13	-42.20	-71.14	-61.28	1.58	7.66	H
	5133	-52.40	-13	-39.40	-74.35	-59.69	2.41	9.70	H
	6844	-48.24	-13	-35.24	-73.61	-56.21	2.64	10.61	H
									H
									H
									H
									H
	3422	-52.36	-13	-39.36	-68.72	-58.44	1.58	7.66	V
	5133	-52.53	-13	-39.53	-74.23	-59.82	2.41	9.70	V
	6844	-48.96	-13	-35.96	-73.94	-56.93	2.64	10.61	V
									V
									V
									V
									V
Middle	3472	-51.27	-13	-38.27	-67.69	-57.55	1.60	7.88	H
	5208	-51.87	-13	-38.87	-73.83	-59.11	2.46	9.70	H
	6944	-47.59	-13	-34.59	-73.47	-55.71	2.61	10.73	H
									H
									H
									H
									H
	3472	-49.16	-13	-36.16	-65.96	-55.44	1.60	7.88	V
	5208	-52.53	-13	-39.53	-74.32	-59.77	2.46	9.70	V
	6944	-47.83	-13	-34.83	-73.25	-55.95	2.61	10.73	V
									V
									V
									V
									V

Highest	3522	-52.38	-13	-39.38	-69.25	-58.80	1.61	8.03	H
	5283	-51.86	-13	-38.86	-74.09	-59.06	2.50	9.70	H
	7044	-46.85	-13	-33.85	-73.15	-55.16	2.58	10.89	H
									H
									H
									H
									H
	3522	-49.20	-13	-36.20	-66.35	-55.62	1.61	8.03	V
	5283	-52.47	-13	-39.47	-74.43	-59.67	2.50	9.70	V
	7044	-47.37	-13	-34.37	-73.22	-55.68	2.58	10.89	V
									V
									V
									V
									V

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