



FCC RADIO TEST REPORT

FCC ID : PU5-TP00139AS
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00139A
Applicant : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist,
New Taipei City 221, Taiwan
Manufacturer : Lenovo PC HK Limited.
23/F, Lincoln House, Taikoo Place, 979 King's Road,
Quarry Bay, Hong Kong, China
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Dec. 21, 2021 and testing was performed from Jan. 20, 2022 to Feb. 15, 2022. We, Sporton International Inc. Wensan 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. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory



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History of this test report

Report No.	Version	Description	Issued Date
FG1D1645-01B	01	Initial issue of report	Feb. 22, 2022



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 17) (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 17) (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 17) (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
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	Under limit 23.80 dB at 1559.000 MHz and 1564.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
Note: The module (Model: T99W175) makes no difference after verifying output power, this report reuses test data from the module report.				

**Declaration of Conformity:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00139A
FCC ID	PU5-TP00139AS
Sample 1	EUT with AWAN Antenna
Sample 2	EUT with LUXSHARE-ICT Antenna
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

Antenna Information				
Main Antenna	Manufacturer	AWAN	Peak gain(dBi)	LTE Band 2 : 0.18 LTE Band 4 : 0.18 LTE Band 5 : 0.04 LTE Band 7 : 1.12 LTE Band 12 : -1.87 LTE Band 13 : 0.34 LTE Band 17 : -1.79 LTE Band 25 : 0.19 LTE Band 26 : 0.04 LTE Band 38 : 1.12 LTE Band 41 : 1.40 LTE Band 66 : 0.45 LTE Band 71 : -1.66
	Part number	SA30Y56103AA	Type	PIFA
	Manufacturer	LUXSHARE-ICT	Peak gain(dBi)	LTE Band 2 : 0.8 LTE Band 4 : 1.7 LTE Band 5 : -2.3 LTE Band 7 : 1.9 LTE Band 12 : -0.7 LTE Band 13 : 1.5 LTE Band 17 : -0.7 LTE Band 25 : 0.9 LTE Band 26 : -1.7 LTE Band 38 : 1.9 LTE Band 41 : 1.9 LTE Band 66 : 1.9 LTE Band 71 : -1.8
	Part number	SA30Y56102AA	Type	PIFA
MIMO 2 Antenna	Manufacturer	AWAN	Peak gain(dBi)	LTE Band 2 : -0.31 LTE Band 4 : -0.14 LTE Band 7 : 1.95 LTE Band 25 : -0.31 LTE Band 38 : 1.91 LTE Band 41 : 1.93 LTE Band 66 : -0.42
	Part number	SA30Y56105AA	Type	PIFA
	Manufacturer	LUXSHARE-ICT	Peak gain(dBi)	LTE Band 2 : 1.7 LTE Band 4 : 1.0 LTE Band 7 : 0.4 LTE Band 25 : 1.7 LTE Band 38 : 0.4 LTE Band 41 : 0.4 LTE Band 66 : 1.0
	Part number	SA30Y56104AA	Type	PIFA

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. The output power measurement was performed with "AWAN Antenna", and performed with "LUXSHARE-ICT Antenna" in radiated spurious emission test as representative.



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17 :706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26: 824.7MHz ~ 848.3 MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 17 :736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26: 869.7MHz ~ 893.3MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 17 :5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz

Product Specification is subject to this standard	
Maximum Output Power to Antenna	LTE Band 2 : 23.25 dBm LTE Band 4 : 23.21 dBm LTE Band 5 : 23.13 dBm LTE Band 5B : 23.66 dBm LTE Band 7 : 23.19 dBm LTE Band 7C : 23.39 dBm LTE Band 12 : 22.74 dBm LTE Band 13 : 22.94 dBm LTE Band 17 : 22.90 dBm LTE Band 25 : 23.22 dBm LTE Band 26 : 23.06 dBm LTE Band 38 : 23.24 dBm LTE Band 38C : 23.34 dBm LTE Band 41 : 23.26 dBm LTE Band 41 : 25.83 dBm for HPUE LTE Band 41C : 23.52 dBm LTE Band 66 : 23.15 dBm LTE Band 66B : 23.30 dBm LTE Band 66C : 23.52 dBm LTE Band 71 : 23.29 dBm
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

1.3 Modification of EUT

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



1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site No.	Sporton Site No.
	TH03-HY (TAF Code: 1190)
Test Engineer	Haoen Zhang
Temperature (°C)	21.4~23.3
Relative Humidity (%)	52.8~57.1
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	Sporton Site No.
	03CH15-HY
Test Engineer	Leo Li, Mancy Chou and Bigshow Wang
Temperature (°C)	22.5~24.5
Relative Humidity (%)	45~55

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

FCC Designation No.: TW1190 and TW3786

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 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. 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.

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
	17	-	-	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
	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
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						
	17	-	-	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						
	66	v	v	v	v	v	v	v	v	v	v						
	71	-	-	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
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	v
	17	Covered by Band 12															
	25						v	v				v			v	v	v
	26	v				v	-	v				v			v	v	v
	38	-	-				v	v				v			v	v	v
	41	-	-				v	v				v			v	v	v
	66						v	v				v			v	v	v
	71	-	-				v	v				v			v	v	v
Remark	- The mark "v" means that this configuration is chosen for testing - The mark "-" means that this bandwidth is not supported. - 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. - Wider operating range bandwidth covers narrower one when the power is higher or the same. - All the radiated test cases were performed with Battery 1.																

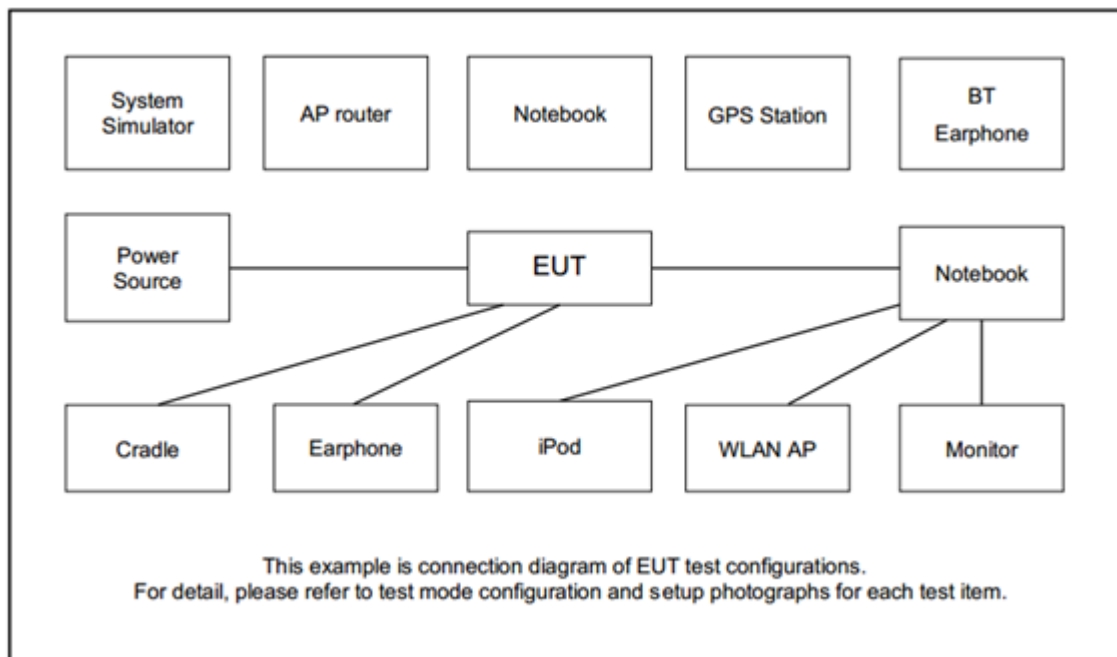
Test Items	Band	Bandwidth (MHz)					Modulation				RB #			Test Channel		
		3+5	5+3	5+10	10+5	10+10	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	5B_CA	-	-	v	v	v	v	v	v	v	v		v	v	v	v
E.R.P.	5B_CA	-	-	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	5B_CA	-	-			v	v				v			v	v	v
Remark	- The mark "v" means that this configuration is chosen for testing - The mark "-" means that this bandwidth is not supported. - 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. - All the radiated test cases were performed with Battery 1.															



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	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v		v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	66C_CA	v	v	v	v	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	Max. Power					
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v						
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
	66C_CA	v	v	v	v	v	v	v	v	-	-	v	v	v	v						
Radiated Spurious Emission	7C_CA	v					-	-			-	v				v			v	v	v
	38C_CA	v	-	-	-	-	-	-		-	-	v				v				v	
	41C_CA	v										v				v				v	
	66C_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 Battery 1.																				

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		5+5	5+10	10+5	5+15	15+5	10+10	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	66B_CA	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
E.I.R.P.	66B_CA	v	v	v	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	66B_CA						v	v				v			v	v	v
Remark	- The mark "v" means that this configuration is chosen for testing - The mark "-" means that this bandwidth is not supported. - 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. - All the radiated test cases were performed with Battery 1.																

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	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A



2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

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 5B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834.0	839.0	844.0
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829.0	834.0	839.0
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829.0	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844.0



LTE Band 7C Channel and Frequency List_CA					
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 38C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

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	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 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



LTE Band 66B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	132446	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	132447	132622
		Frequency	1720	1757.5	1775
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715	1752.5	1770
	SCC	Channel	132094	132469	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713	1748.1	1763.2
	SCC	Channel	132095	132446	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	133391	132642
		Frequency	1726.8	1761.9	1777.0
10 + 10	PCC	Channel	132022	132373	135523
		Frequency	1715.0	1750.1	1765.1
	SCC	Channel	132121	133372	132622
		Frequency	1724.9	1760.0	1775.0



LTE Band 66C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	133371	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	133393	132619
		Frequency	1729.5	1761.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	131171	133372	132572
		Frequency	1729.9	1760.0	1770.0
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720.0	1750.1	1760.1
	SCC	Channel	132216	133417	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	133397	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	132496	132572
		Frequency	1734.9	1762.4	1770.0
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720.0	1747.6	1755.1
	SCC	Channel	132243	133419	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720.0	1752.5	1765.0
	SCC	Channel	132189	133414	132639
		Frequency	1731.7	1764.2	1776.7



LTE Band 66C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725.0	1757.5	1770.0
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720.0	1745.1	1750.2
	SCC	Channel	132270	133421	132572
		Frequency	1739.8	1764.9	1770.0

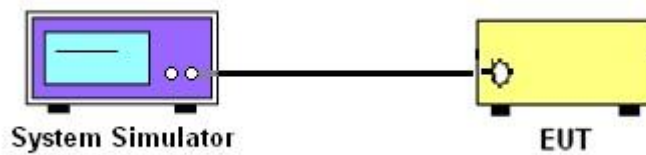
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17 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.

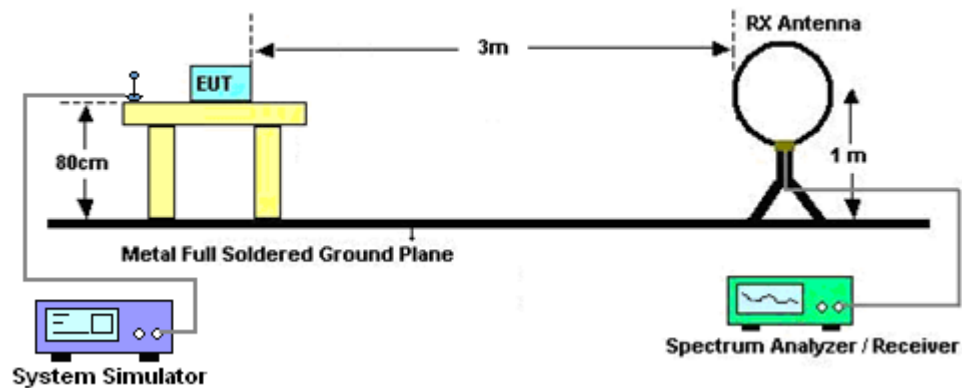
4 Radiated Test Items

4.1 Measuring Instruments

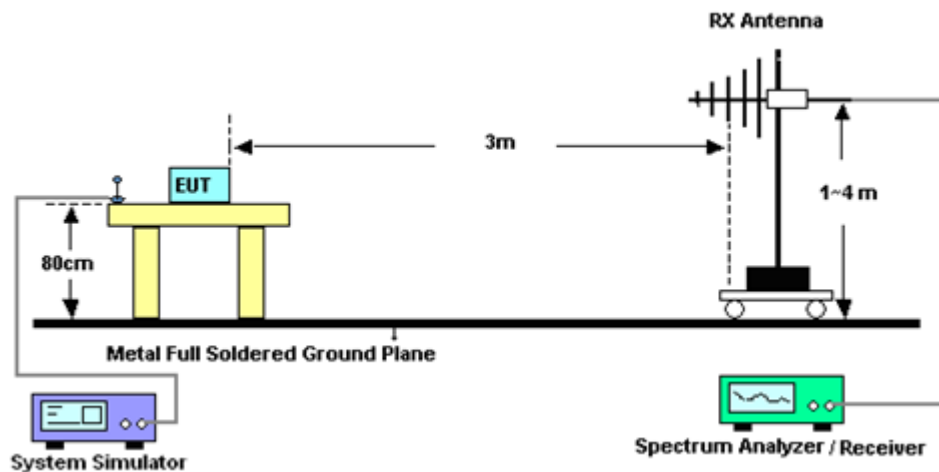
See list of measuring instruments of this test report.

4.1.1 Test Setup

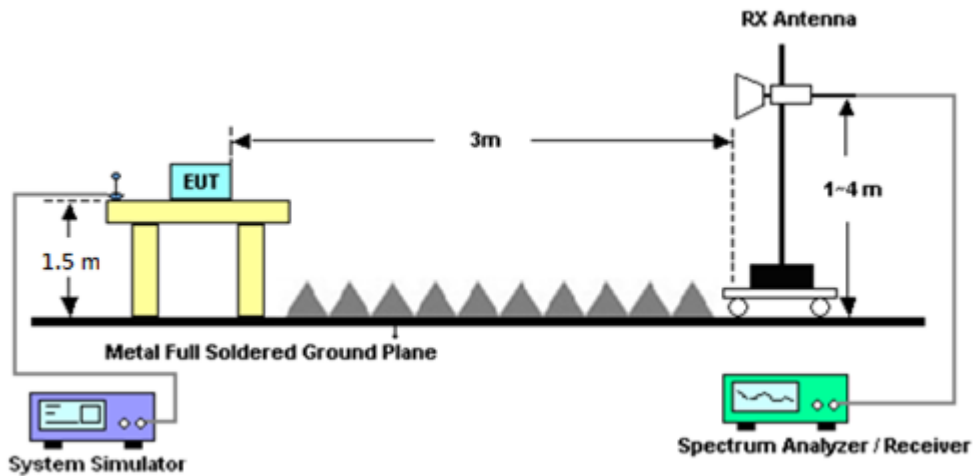
For radiated test below 30MHz



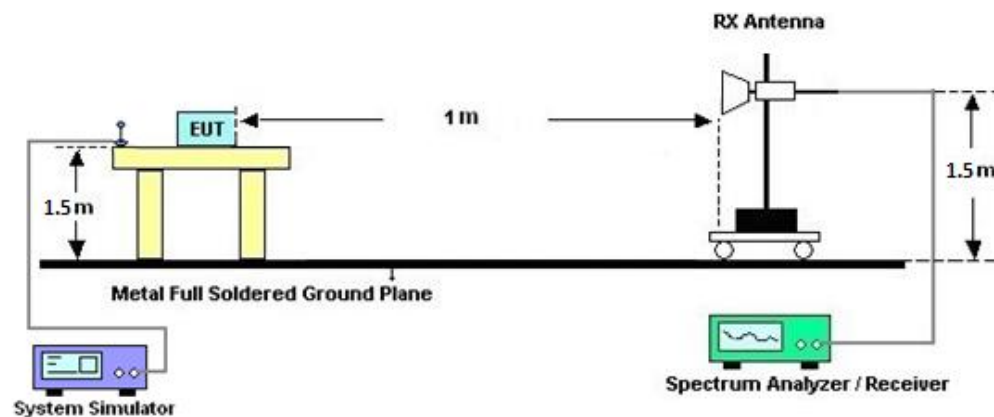
For radiated test from 30MHz to 1GHz



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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

The limit line is derived from $55 + 10\log(P)$ 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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Jan. 20, 2022~ Feb. 08, 2022	Sep. 06, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Oct. 09, 2021	Jan. 20, 2022~ Feb. 08, 2022	Oct. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&008 00N1D01N-06	40103 & 07	30MHz to 1GHz	Apr. 28, 2021	Jan. 20, 2022~ Feb. 08, 2022	Apr. 27, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 30, 2021	Jan. 20, 2022~ Feb. 08, 2022	Dec. 29, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02038	1-18GHz	Aug. 04, 2021	Jan. 20, 2022~ Feb. 08, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Oct. 25, 2021	Jan. 20, 2022~ Feb. 08, 2022	Oct. 24, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18GHz- 40GHz	May 11, 2021	Jan. 20, 2022~ Feb. 08, 2022	May 10, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005 5006	1GHz~18GHz	May 06, 2021	Jan. 20, 2022~ Feb. 08, 2022	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Jan. 20, 2022~ Feb. 08, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Jan. 20, 2022~ Feb. 08, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9038A	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Jan. 20, 2022~ Feb. 08, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 05, 2021	Jan. 20, 2022~ Feb. 08, 2022	Mar. 04, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 20, 2022~ Feb. 08, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 20, 2022~ Feb. 08, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jan. 20, 2022~ Feb. 08, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4,M Y9838/4PE,50 8405/2E	30MHz~18G	Nov. 15, 2021	Jan. 20, 2022~ Feb. 08, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4,M Y9838/4PE,50 8405/2E	30MHz~18G	Nov. 15, 2021	Jan. 20, 2022~ Feb. 08, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4,M Y9838/4PE,50 8405/2E	30MHz~18G	Nov. 15, 2021	Jan. 20, 2022~ Feb. 08, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Jan. 20, 2022~ Feb. 08, 2022	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Jan. 20, 2022~ Feb. 08, 2022	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Jan. 20, 2022~ Feb. 08, 2022	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN12	1.53GHz Low Pass Filter	Jul. 02, 2021	Jan. 20, 2022~ Feb. 08, 2022	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-935-10 00-15000-40ST	SN1	1GHz High Pass Filter	Apr. 29, 2021	Jan. 20, 2022~ Feb. 08, 2022	Apr. 28, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3 000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 15, 2021	Jan. 20, 2022~ Feb. 08, 2022	Sep. 14, 2022	Radiation (03CH15-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	0.1Hz~40GHz	Dec. 08, 2021	Jan. 20, 2022~ Feb. 08, 2022	Dec. 07, 2022	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6201664755	2/3/4G/LTE FDD/TDD with44)/LTE-3C C DLCA/2CC ULCA, CatM1/NB1/NB 2	Jul. 21, 2021	Feb. 11, 2022~ Feb. 15, 2022	Jul. 20, 2022	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% ($U = 2Uc(y)$)	2.92 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.94 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.25	23.16	23.11	24.05	0.2541
20	1	49		22.96	22.93	23.00		
20	1	99		22.72	22.96	22.88		
20	50	0		22.28	22.13	22.19		
20	50	24		22.24	22.05	22.11		
20	50	50		22.16	22.03	22.10		
20	100	0		22.08	22.04	22.12		
20	1	0	16-QAM	22.61	22.35	22.44	23.41	0.2193
20	1	49		22.43	22.25	22.35		
20	1	99		22.20	22.19	22.25		
20	50	0		21.24	21.11	21.15		
20	50	24		21.26	21.14	21.14		
20	50	50		21.23	21.09	21.12		
20	100	0		21.15	21.11	21.12		
20	1	0	64-QAM	21.29	21.20	21.21	22.09	0.1618
20	1	49		21.27	21.09	20.87		
20	1	99		21.13	21.03	21.06		
20	50	0		20.26	20.06	20.07		
20	50	24		20.19	20.14	20.13		
20	50	50		20.30	20.09	20.15		
20	100	0		20.27	20.10	20.06		
20	1	0	256-QAM	18.08	18.04	18.07	19.07	0.0807
20	1	49		18.14	18.04	17.96		
20	1	99		18.27	17.94	18.02		
20	50	0		18.15	17.96	17.86		
20	50	24		18.07	17.93	18.01		
20	50	50		18.11	17.97	17.96		
20	100	0		18.27	18.02	17.98		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.15	23.10	23.10	23.95	0.2483
15	1	37		22.87	22.84	22.96		
15	1	74		22.65	22.96	22.86		
15	36	0		22.19	22.07	22.15		
15	36	20		22.20	22.05	22.07		
15	36	39		22.09	22.03	22.11		
15	75	0		22.01	21.95	22.07		
15	1	0	16-QAM	22.59	22.33	22.36	23.39	0.2183
15	1	37		22.39	22.15	22.26		
15	1	74		22.16	22.17	22.19		
15	36	0		21.19	21.01	21.13		
15	36	20		21.19	21.13	21.09		
15	36	39		21.21	21.06	21.08		
15	75	0		21.11	21.10	21.03		
15	1	0	64-QAM	21.27	21.13	21.11	22.07	0.1611
15	1	37		21.23	21.03	20.78		
15	1	74		21.06	20.94	21.02		
15	36	0		20.20	19.96	19.99		
15	36	20		20.09	20.07	20.11		
15	36	39		20.27	20.06	20.12		
15	75	0		20.23	20.04	20.04		
15	1	0	256-QAM	18.07	17.99	18.07	19.05	0.0804
15	1	37		18.12	17.84	17.93		
15	1	74		18.18	17.79	17.93		
15	36	0		17.98	17.93	17.72		
15	36	20		18.02	17.88	17.81		
15	36	39		18.00	17.89	17.79		
15	75	0		18.25	18.02	17.96		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.20	23.07	23.02	24.00	0.2512
10	1	25		22.90	22.89	22.94		
10	1	49		22.62	22.93	22.84		
10	25	0		22.26	22.11	22.14		
10	25	12		22.16	21.98	22.02		
10	25	25		22.06	22.04	22.11		
10	50	0		22.03	22.00	22.05		
10	1	0	16-QAM	22.57	22.27	22.40	23.37	0.2173
10	1	25		22.43	22.20	22.25		
10	1	49		22.13	22.15	22.17		
10	25	0		21.22	21.07	21.06		
10	25	12		21.20	21.13	21.11		
10	25	25		21.20	20.99	21.06		
10	50	0		21.06	21.06	21.04		
10	1	0	64-QAM	21.24	21.13	21.21	22.04	0.1600
10	1	25		21.23	20.99	20.79		
10	1	49		21.08	21.03	21.00		
10	25	0		20.21	19.96	20.04		
10	25	12		20.09	20.13	20.12		
10	25	25		20.26	20.03	20.10		
10	50	0		20.23	20.00	19.99		
10	1	0	256-QAM	18.04	18.04	17.87	19.00	0.0794
10	1	25		18.03	18.02	17.76		
10	1	49		18.20	17.76	17.97		
10	25	0		18.06	17.95	17.74		
10	25	12		17.91	17.83	17.90		
10	25	25		18.02	17.88	17.94		
10	50	0		18.20	17.98	17.85		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.24	23.06	23.06	24.04	0.2535
5	1	12		22.87	22.86	22.99		
5	1	24		22.63	22.93	22.81		
5	12	0		22.27	22.06	22.11		
5	12	7		22.17	22.03	22.07		
5	12	13		22.16	22.03	22.19		
5	25	0		22.03	21.96	22.03		
5	1	0	16-QAM	22.58	22.26	22.43	23.38	0.2178
5	1	12		22.39	22.24	22.26		
5	1	24		22.19	22.09	22.20		
5	12	0		21.16	21.08	21.07		
5	12	7		21.17	21.06	21.14		
5	12	13		21.22	21.06	21.03		
5	25	0		21.15	21.01	21.04		
5	1	0	64-QAM	21.21	21.17	21.20	22.01	0.1589
5	1	12		21.19	21.01	20.79		
5	1	24		21.03	20.98	21.02		
5	12	0		20.16	20.03	19.98		
5	12	7		20.19	20.09	20.07		
5	12	13		20.30	20.06	20.08		
5	25	0		20.21	20.07	19.98		
5	1	0	256-QAM	18.06	18.02	18.04	18.95	0.0785
5	1	12		18.12	18.04	17.76		
5	1	24		18.15	17.86	17.86		
5	12	0		17.95	17.94	17.82		
5	12	7		17.90	17.75	17.92		
5	12	13		17.99	17.78	17.83		
5	25	0		18.10	17.92	17.79		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.18	23.06	23.06	23.98	0.2500
3	1	8		22.87	22.91	22.96		
3	1	14		22.66	22.87	22.80		
3	8	0		22.19	22.13	22.12		
3	8	4		22.23	22.04	22.05		
3	8	7		22.10	22.10	22.10		
3	15	0		21.98	21.97	22.12		
3	1	0	16-QAM	22.54	22.32	22.34	23.34	0.2158
3	1	8		22.35	22.19	22.28		
3	1	14		22.18	22.16	22.20		
3	8	0		21.14	21.04	21.09		
3	8	4		21.16	21.11	21.12		
3	8	7		21.17	21.01	21.07		
3	15	0		21.05	21.02	21.05		
3	1	0	64-QAM	21.24	21.19	21.19	22.04	0.1600
3	1	8		21.22	21.07	20.82		
3	1	14		21.05	20.99	21.02		
3	8	0		20.24	19.97	19.98		
3	8	4		20.17	20.13	20.03		
3	8	7		20.26	20.07	20.08		
3	15	0		20.21	20.07	20.00		
3	1	0	256-QAM	18.02	17.87	17.95	18.95	0.0785
3	1	8		18.01	17.94	17.96		
3	1	14		18.15	17.82	17.88		
3	8	0		18.04	17.81	17.69		
3	8	4		18.03	17.73	17.84		
3	8	7		18.03	17.92	17.86		
3	15	0		18.07	17.83	17.85		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.91	22.69	22.81	23.73	0.2360
1.4	1	3		22.89	22.75	22.74		
1.4	1	5		22.86	22.73	22.79		
1.4	3	0		22.82	22.75	22.80		
1.4	3	1		22.93	22.79	22.87		
1.4	3	3		22.93	22.81	22.74		
1.4	6	0		21.93	21.78	22.01		
1.4	1	0	16-QAM	22.34	21.92	22.06	23.14	0.2061
1.4	1	3		22.14	22.01	22.26		
1.4	1	5		22.11	21.91	22.10		
1.4	3	0		22.10	21.84	21.95		
1.4	3	1		22.16	21.89	22.00		
1.4	3	3		22.10	21.88	21.94		
1.4	6	0		21.04	20.88	21.00		
1.4	1	0	64-QAM	21.23	20.99	21.01	22.10	0.1622
1.4	1	3		21.13	21.08	21.19		
1.4	1	5		21.30	21.08	21.12		
1.4	3	0		21.12	20.88	21.04		
1.4	3	1		21.19	21.08	21.13		
1.4	3	3		21.19	21.08	21.06		
1.4	6	0		20.00	19.91	19.95		
1.4	1	0	256-QAM	18.06	18.02	17.93	19.07	0.0807
1.4	1	3		18.09	17.86	17.92		
1.4	1	5		18.27	17.77	17.86		
1.4	3	0		18.08	17.95	17.77		
1.4	3	1		18.00	17.76	17.83		
1.4	3	3		17.93	17.93	17.90		
1.4	6	0		18.27	17.82	17.91		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.22	23.09	22.99	24.12	0.2582
20	1	49		23.13	22.96	22.86		
20	1	99		23.03	22.92	22.95		
20	50	0		22.31	22.20	21.98		
20	50	24		22.11	21.95	22.04		
20	50	50		22.08	22.16	21.97		
20	100	0		22.27	22.13	21.88		
20	1	0	16-QAM	21.97	22.22	22.10	23.17	0.2075
20	1	49		22.27	21.89	22.11		
20	1	99		22.14	22.23	21.87		
20	50	0		21.34	20.86	21.02		
20	50	24		20.98	20.97	21.03		
20	50	50		21.19	21.23	20.82		
20	100	0		21.35	21.27	21.01		
20	1	0	64-QAM	21.10	21.21	20.80	22.12	0.1629
20	1	49		21.14	20.91	20.90		
20	1	99		21.22	20.98	20.89		
20	50	0		19.97	19.80	19.89		
20	50	24		20.20	20.22	20.15		
20	50	50		20.39	20.08	20.08		
20	100	0		20.22	20.21	19.83		
20	1	0	256-QAM	17.49	17.61	17.60	18.95	0.0785
20	1	49		17.73	17.84	17.53		
20	1	99		17.95	18.05	17.54		
20	50	0		17.49	17.55	17.72		
20	50	24		17.64	17.68	17.55		
20	50	50		17.91	17.77	17.51		
20	100	0		17.42	17.64	17.72		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.21	22.99	22.94	24.11	0.2576
15	1	37		23.11	22.91	22.76		
15	1	74		22.96	22.91	22.94		
15	36	0		22.24	22.15	21.88		
15	36	20		22.07	21.85	22.00		
15	36	39		22.07	22.08	21.92		
15	75	0		22.24	22.07	21.81		
15	1	0	16-QAM	21.92	22.14	22.08	23.09	0.2037
15	1	37		22.19	21.84	22.03		
15	1	74		22.07	22.18	21.78		
15	36	0		21.24	20.82	21.02		
15	36	20		20.95	20.94	21.01		
15	36	39		21.11	21.15	20.72		
15	75	0		21.28	21.21	21.00		
15	1	0	64-QAM	21.03	21.16	20.80	22.09	0.1618
15	1	37		21.11	20.89	20.87		
15	1	74		21.19	20.89	20.81		
15	36	0		19.94	19.80	19.82		
15	36	20		20.11	20.13	20.05		
15	36	39		20.31	20.00	20.01		
15	75	0		20.15	20.19	19.80		
15	1	0	256-QAM	17.60	17.63	17.44	18.86	0.0769
15	1	37		17.81	17.72	17.59		
15	1	74		17.93	17.86	17.66		
15	36	0		17.53	17.50	17.65		
15	36	20		17.71	17.70	17.49		
15	36	39		17.96	17.85	17.68		
15	75	0		17.46	17.60	17.74		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.14	23.08	22.93	24.04	0.2535
10	1	25		23.03	22.95	22.83		
10	1	49		23.01	22.82	22.86		
10	25	0		22.24	22.15	21.94		
10	25	12		22.03	21.93	21.97		
10	25	25		22.05	22.10	21.89		
10	50	0		22.22	22.08	21.78		
10	1	0	16-QAM	21.87	22.20	22.10	23.10	0.2042
10	1	25		22.19	21.83	22.06		
10	1	49		22.05	22.18	21.85		
10	25	0		21.33	20.85	20.95		
10	25	12		20.90	20.89	20.96		
10	25	25		21.14	21.14	20.73		
10	50	0		21.32	21.22	21.01		
10	1	0	64-QAM	21.00	21.19	20.72	22.09	0.1618
10	1	25		21.11	20.91	20.87		
10	1	49		21.15	20.98	20.82		
10	25	0		19.95	19.76	19.86		
10	25	12		20.11	20.19	20.12		
10	25	25		20.38	20.00	19.98		
10	50	0		20.12	20.11	19.76		
10	1	0	256-QAM	17.58	17.59	17.43	18.95	0.0785
10	1	25		17.85	17.84	17.62		
10	1	49		17.95	18.05	17.65		
10	25	0		17.55	17.56	17.61		
10	25	12		17.70	17.70	17.48		
10	25	25		17.87	17.89	17.58		
10	50	0		17.50	17.63	17.76		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.21	23.03	22.92	24.11	0.2576
5	1	12		23.07	22.96	22.82		
5	1	24		22.99	22.91	22.89		
5	12	0		22.27	22.18	21.89		
5	12	7		22.03	21.88	21.95		
5	12	13		22.03	22.15	21.96		
5	25	0		22.17	22.11	21.87		
5	1	0	16-QAM	21.93	22.16	22.03	23.10	0.2042
5	1	12		22.20	21.85	22.02		
5	1	24		22.04	22.14	21.81		
5	12	0		21.34	20.86	20.93		
5	12	7		20.91	20.88	20.99		
5	12	13		21.11	21.20	20.75		
5	25	0		21.32	21.27	20.97		
5	1	0	64-QAM	21.01	21.12	20.79	22.07	0.1611
5	1	12		21.12	20.86	20.82		
5	1	24		21.17	20.89	20.84		
5	12	0		19.91	19.76	19.82		
5	12	7		20.14	20.14	20.06		
5	12	13		20.32	19.99	19.99		
5	25	0		20.16	20.20	19.78		
5	1	0	256-QAM	17.42	17.48	17.60	18.95	0.0785
5	1	12		17.79	17.68	17.53		
5	1	24		18.05	18.00	17.54		
5	12	0		17.57	17.40	17.62		
5	12	7		17.66	17.73	17.49		
5	12	13		17.90	17.90	17.49		
5	25	0		17.59	17.64	17.58		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.16	23.02	22.99	24.06	0.2547
3	1	8		23.10	22.87	22.80		
3	1	14		22.94	22.84	22.93		
3	8	0		22.21	22.13	21.89		
3	8	4		22.11	21.93	22.04		
3	8	7		21.98	22.15	21.92		
3	15	0		22.23	22.13	21.86		
3	1	0	16-QAM	21.90	22.15	22.05	23.13	0.2056
3	1	8		22.23	21.89	22.04		
3	1	14		22.14	22.18	21.78		
3	8	0		21.28	20.83	20.92		
3	8	4		20.94	20.91	20.97		
3	8	7		21.17	21.16	20.81		
3	15	0		21.32	21.23	20.99		
3	1	0	64-QAM	21.03	21.18	20.72	22.11	0.1626
3	1	8		21.07	20.91	20.85		
3	1	14		21.21	20.93	20.85		
3	8	0		19.90	19.76	19.81		
3	8	4		20.14	20.17	20.13		
3	8	7		20.39	20.07	20.04		
3	15	0		20.20	20.13	19.74		
3	1	0	256-QAM	17.55	17.58	17.46	18.95	0.0785
3	1	8		17.81	17.77	17.52		
3	1	14		17.94	18.05	17.62		
3	8	0		17.55	17.43	17.73		
3	8	4		17.59	17.75	17.43		
3	8	7		17.93	17.97	17.55		
3	15	0		17.59	17.51	17.74		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.98	22.88	22.82	23.88	0.2443
1.4	1	3		22.93	22.86	22.74		
1.4	1	5		22.92	22.82	22.85		
1.4	3	0		22.80	22.83	22.79		
1.4	3	1		22.84	22.86	22.81		
1.4	3	3		22.88	22.96	22.78		
1.4	6	0		22.22	22.16	21.81		
1.4	1	0	16-QAM	22.06	22.19	22.08	23.14	0.2061
1.4	1	3		22.20	21.92	21.93		
1.4	1	5		22.16	22.24	21.94		
1.4	3	0		22.10	22.14	22.04		
1.4	3	1		22.13	22.15	22.17		
1.4	3	3		22.23	22.12	21.92		
1.4	6	0		21.30	21.11	20.84		
1.4	1	0	64-QAM	21.27	21.01	20.79	22.25	0.1679
1.4	1	3		21.13	20.95	21.00		
1.4	1	5		21.31	20.88	21.03		
1.4	3	0		21.35	20.96	20.97		
1.4	3	1		21.19	21.12	20.95		
1.4	3	3		20.93	20.88	21.02		
1.4	6	0		19.96	20.06	19.79		
1.4	1	0	256-QAM	17.48	17.52	17.52	18.95	0.0785
1.4	1	3		17.77	17.80	17.42		
1.4	1	5		18.05	18.00	17.71		
1.4	3	0		17.43	17.48	17.71		
1.4	3	1		17.60	17.66	17.57		
1.4	3	3		17.85	17.82	17.54		
1.4	6	0		17.42	17.60	17.63		
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.06	23.21	23.16	24.91	0.3097
20	1	49		23.02	22.93	22.88		
20	1	99		22.70	22.93	22.74		
20	50	0		22.16	22.26	22.19		
20	50	24		22.16	21.94	22.15		
20	50	50		22.05	22.04	22.10		
20	100	0		22.03	21.98	22.06		
20	1	0	16-QAM	22.61	22.21	22.40	24.31	0.2698
20	1	49		22.27	22.24	22.29		
20	1	99		22.15	22.17	22.12		
20	50	0		21.11	21.10	21.09		
20	50	24		21.12	21.13	21.12		
20	50	50		21.07	21.04	21.10		
20	100	0		21.22	21.01	20.96		
20	1	0	64-QAM	21.29	21.18	21.15	22.99	0.1991
20	1	49		21.15	20.99	20.77		
20	1	99		21.08	21.06	20.95		
20	50	0		20.17	19.96	20.00		
20	50	24		20.22	20.06	20.12		
20	50	50		20.17	20.08	20.14		
20	100	0		20.21	20.11	20.04		
20	1	0	256-QAM	18.03	17.99	17.97	19.93	0.0984
20	1	49		18.13	18.04	17.91		
20	1	99		18.23	17.90	17.97		
20	50	0		18.07	17.88	17.77		
20	50	24		18.05	17.92	17.93		
20	50	50		18.07	17.88	17.93		
20	100	0		18.23	17.92	17.95		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.96	23.11	23.14	24.84	0.3048
15	1	37		23.00	22.91	22.83		
15	1	74		22.68	22.85	22.64		
15	36	0		22.12	22.18	22.18		
15	36	20		22.15	21.91	22.05		
15	36	39		22.03	22.00	22.03		
15	75	0		21.98	21.96	21.98		
15	1	0	16-QAM	22.53	22.17	22.31	24.23	0.2649
15	1	37		22.17	22.23	22.19		
15	1	74		22.15	22.14	22.05		
15	36	0		21.02	21.06	21.08		
15	36	20		21.07	21.10	21.07		
15	36	39		21.04	21.02	21.09		
15	75	0		21.22	21.01	20.91		
15	1	0	64-QAM	21.29	21.12	21.08	22.99	0.1991
15	1	37		21.07	20.93	20.70		
15	1	74		21.07	20.98	20.87		
15	36	0		20.16	19.88	19.98		
15	36	20		20.20	20.03	20.07		
15	36	39		20.07	20.01	20.12		
15	75	0		20.17	20.04	20.03		
15	1	0	256-QAM	18.04	17.93	18.05	19.94	0.0986
15	1	37		18.12	17.76	17.84		
15	1	74		18.18	17.70	17.84		
15	36	0		17.88	17.92	17.65		
15	36	20		17.95	17.82	17.75		
15	36	39		17.97	17.88	17.74		
15	75	0		18.24	17.94	17.95		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.04	23.14	23.12	24.84	0.3048
10	1	25		22.98	22.83	22.82		
10	1	49		22.61	22.91	22.64		
10	25	0		22.11	22.21	22.16		
10	25	12		22.09	21.86	22.09		
10	25	25		22.04	22.04	22.00		
10	50	0		21.94	21.94	21.98		
10	1	0	16-QAM	22.55	22.16	22.40	24.25	0.2661
10	1	25		22.27	22.17	22.28		
10	1	49		22.08	22.11	22.05		
10	25	0		21.11	21.07	21.07		
10	25	12		21.05	21.05	21.11		
10	25	25		21.03	21.01	21.09		
10	50	0		21.21	20.92	20.88		
10	1	0	64-QAM	21.27	21.17	21.09	22.97	0.1982
10	1	25		21.11	20.92	20.71		
10	1	49		20.99	21.04	20.92		
10	25	0		20.13	19.89	19.98		
10	25	12		20.17	20.03	20.11		
10	25	25		20.12	20.01	20.11		
10	50	0		20.17	20.10	19.98		
10	1	0	256-QAM	17.98	18.03	17.80	19.88	0.0973
10	1	25		18.00	17.95	17.73		
10	1	49		18.13	17.67	17.97		
10	25	0		18.03	17.89	17.65		
10	25	12		17.88	17.80	17.81		
10	25	25		17.95	17.84	17.88		
10	50	0		18.18	17.91	17.82		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.03	23.17	23.09	24.87	0.3069
5	1	12		23.02	22.89	22.86		
5	1	24		22.60	22.88	22.68		
5	12	0		22.07	22.25	22.12		
5	12	7		22.07	21.86	22.06		
5	12	13		22.04	22.04	22.03		
5	25	0		22.03	21.92	22.01		
5	1	0	16-QAM	22.51	22.16	22.38	24.21	0.2636
5	1	12		22.17	22.23	22.27		
5	1	24		22.10	22.07	22.05		
5	12	0		21.07	21.07	21.02		
5	12	7		21.04	21.09	21.10		
5	12	13		21.00	20.98	21.06		
5	25	0		21.18	20.92	20.92		
5	1	0	64-QAM	21.27	21.15	21.09	22.97	0.1982
5	1	12		21.08	20.89	20.76		
5	1	24		21.08	20.99	20.93		
5	12	0		20.14	19.94	19.97		
5	12	7		20.19	20.02	20.07		
5	12	13		20.15	20.08	20.08		
5	25	0		20.21	20.05	19.95		
5	1	0	256-QAM	18.04	17.99	17.99	19.79	0.0953
5	1	12		18.05	17.94	17.74		
5	1	24		18.09	17.86	17.76		
5	12	0		17.95	17.90	17.73		
5	12	7		17.88	17.73	17.86		
5	12	13		17.89	17.77	17.79		
5	25	0		18.08	17.87	17.76		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.97	23.12	23.06	24.82	0.3034
3	1	8		22.97	22.91	22.88		
3	1	14		22.66	22.83	22.71		
3	8	0		22.10	22.21	22.12		
3	8	4		22.09	21.87	22.09		
3	8	7		22.00	21.97	22.02		
3	15	0		21.97	21.91	21.96		
3	1	0	16-QAM	22.61	22.16	22.35	24.31	0.2698
3	1	8		22.18	22.24	22.20		
3	1	14		22.08	22.11	22.08		
3	8	0		21.06	21.03	21.00		
3	8	4		21.11	21.13	21.12		
3	8	7		21.05	20.96	21.00		
3	15	0		21.19	20.94	20.94		
3	1	0	64-QAM	21.29	21.13	21.13	22.99	0.1991
3	1	8		21.13	20.90	20.71		
3	1	14		21.05	20.96	20.89		
3	8	0		20.16	19.86	19.97		
3	8	4		20.16	19.96	20.10		
3	8	7		20.07	19.98	20.05		
3	15	0		20.11	20.09	19.97		
3	1	0	256-QAM	17.96	17.80	17.87	19.75	0.0944
3	1	8		17.98	17.93	17.94		
3	1	14		18.05	17.79	17.88		
3	8	0		18.04	17.77	17.62		
3	8	4		17.99	17.68	17.81		
3	8	7		18.01	17.87	17.76		
3	15	0		18.01	17.79	17.79		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.91	22.73	22.73	24.66	0.2924
1.4	1	3		22.82	22.75	22.77		
1.4	1	5		22.83	22.60	22.66		
1.4	3	0		22.80	22.71	22.79		
1.4	3	1		22.87	22.74	22.74		
1.4	3	3		22.96	22.69	22.62		
1.4	6	0		21.84	21.83	21.98		
1.4	1	0	16-QAM	22.19	21.92	21.95	23.89	0.2449
1.4	1	3		22.13	21.92	22.18		
1.4	1	5		22.08	21.90	22.04		
1.4	3	0		21.95	21.82	21.89		
1.4	3	1		22.08	21.97	21.94		
1.4	3	3		21.98	21.80	21.84		
1.4	6	0		21.02	20.86	20.95		
1.4	1	0	64-QAM	21.16	20.91	20.97	22.93	0.1963
1.4	1	3		21.07	21.04	21.23		
1.4	1	5		21.11	21.08	21.08		
1.4	3	0		21.08	20.87	21.04		
1.4	3	1		21.18	21.07	21.03		
1.4	3	3		21.08	21.04	20.94		
1.4	6	0		19.92	19.83	19.81		
1.4	1	0	256-QAM	18.05	18.00	17.86	19.94	0.0986
1.4	1	3		18.05	17.77	17.90		
1.4	1	5		18.24	17.70	17.77		
1.4	3	0		17.99	17.94	17.69		
1.4	3	1		17.91	17.66	17.82		
1.4	3	3		17.84	17.86	17.82		
1.4	6	0		18.20	17.74	17.91		
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.95	23.13	22.97	21.02	0.1265
10	1	25		22.71	22.72	22.54		
10	1	49		22.66	22.52	22.53		
10	25	0		21.90	21.95	21.86		
10	25	12		21.71	21.77	21.68		
10	25	25		21.77	21.76	21.67		
10	50	0		21.79	21.81	21.72		
10	1	0	16-QAM	22.10	21.95	21.91	20.02	0.1005
10	1	25		22.07	22.05	21.90		
10	1	49		22.13	22.03	21.86		
10	25	0		20.87	20.71	20.78		
10	25	12		20.88	20.86	20.75		
10	25	25		20.82	20.76	20.70		
10	50	0		20.78	20.82	20.67		
10	1	0	64-QAM	20.78	20.70	20.90	18.79	0.0757
10	1	25		20.90	20.73	20.74		
10	1	49		20.79	20.77	20.73		
10	25	0		19.88	19.84	19.65		
10	25	12		19.78	19.89	19.69		
10	25	25		19.77	19.80	19.72		
10	50	0		19.79	19.81	19.73		
10	1	0	256-QAM	17.74	17.64	17.47	15.78	0.0378
10	1	25		17.71	17.89	17.53		
10	1	49		17.74	17.64	17.69		
10	25	0		17.66	17.61	17.53		
10	25	12		17.85	17.82	17.60		
10	25	25		17.65	17.85	17.65		
10	50	0		17.57	17.62	17.63		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.92	23.11	22.88	21	0.1259
5	1	12		22.62	22.72	22.48		
5	1	24		22.66	22.49	22.48		
5	12	0		21.89	21.86	21.84		
5	12	7		21.61	21.67	21.62		
5	12	13		21.72	21.68	21.67		
5	25	0		21.73	21.74	21.69		
5	1	0	16-QAM	22.09	21.92	21.87	19.98	0.0995
5	1	12		22.04	22.01	21.84		
5	1	24		22.09	22.00	21.82		
5	12	0		20.87	20.65	20.71		
5	12	7		20.79	20.86	20.71		
5	12	13		20.72	20.68	20.60		
5	25	0		20.73	20.80	20.67		
5	1	0	64-QAM	20.68	20.68	20.85	18.78	0.0755
5	1	12		20.89	20.71	20.73		
5	1	24		20.74	20.75	20.64		
5	12	0		19.81	19.77	19.63		
5	12	7		19.74	19.85	19.59		
5	12	13		19.74	19.78	19.65		
5	25	0		19.73	19.76	19.72		
5	1	0	256-QAM	17.65	17.52	17.50	15.79	0.0379
5	1	12		17.63	17.79	17.60		
5	1	24		17.60	17.90	17.60		
5	12	0		17.88	17.52	17.62		
5	12	7		17.84	17.76	17.52		
5	12	13		17.67	17.79	17.60		
5	25	0		17.54	17.60	17.61		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.90	23.06	22.96	20.95	0.1245
3	1	8		22.69	22.64	22.45		
3	1	14		22.56	22.51	22.44		
3	8	0		21.80	21.95	21.86		
3	8	4		21.63	21.70	21.67		
3	8	7		21.73	21.70	21.66		
3	15	0		21.70	21.76	21.67		
3	1	0	16-QAM	22.00	21.90	21.87	19.93	0.0984
3	1	8		22.02	22.04	21.90		
3	1	14		22.03	21.96	21.79		
3	8	0		20.86	20.67	20.76		
3	8	4		20.82	20.85	20.69		
3	8	7		20.79	20.70	20.64		
3	15	0		20.75	20.82	20.65		
3	1	0	64-QAM	20.72	20.69	20.84	18.73	0.0746
3	1	8		20.81	20.65	20.74		
3	1	14		20.79	20.74	20.68		
3	8	0		19.79	19.80	19.59		
3	8	4		19.78	19.79	19.61		
3	8	7		19.69	19.73	19.68		
3	15	0		19.73	19.74	19.73		
3	1	0	256-QAM	17.70	17.55	17.54	15.76	0.0377
3	1	8		17.55	17.87	17.59		
3	1	14		17.70	17.57	17.50		
3	8	0		17.53	17.56	17.51		
3	8	4		17.79	17.81	17.53		
3	8	7		17.60	17.80	17.60		
3	15	0		17.53	17.52	17.74		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.59	22.56	22.43	20.62	0.1153
1.4	1	3		22.68	22.73	22.55		
1.4	1	5		22.61	22.69	22.52		
1.4	3	0		22.63	22.63	22.50		
1.4	3	1		22.71	22.73	22.54		
1.4	3	3		22.60	22.63	22.50		
1.4	6	0		21.82	21.72	21.57		
1.4	1	0	16-QAM	21.96	22.03	21.87	20.01	0.1002
1.4	1	3		22.01	22.12	21.80		
1.4	1	5		21.98	22.07	21.68		
1.4	3	0		21.80	21.74	21.62		
1.4	3	1		21.90	21.78	21.74		
1.4	3	3		21.82	21.77	21.66		
1.4	6	0		20.89	20.81	20.68		
1.4	1	0	64-QAM	20.96	20.93	20.85	18.97	0.0789
1.4	1	3		21.08	21.01	20.82		
1.4	1	5		20.93	20.94	20.77		
1.4	3	0		20.88	20.96	20.75		
1.4	3	1		21.04	20.91	20.78		
1.4	3	3		20.93	20.90	20.75		
1.4	6	0		19.78	19.72	19.64		
1.4	1	0	256-QAM	17.64	17.59	17.50	15.63	0.0366
1.4	1	3		17.61	17.70	17.53		
1.4	1	5		17.73	17.53	17.67		
1.4	3	0		17.65	17.58	17.66		
1.4	3	1		17.74	17.68	17.56		
1.4	3	3		17.58	17.70	17.52		
1.4	6	0		17.54	17.57	17.60		
Limit	ERP < 7W			Result			Pass	



LTE Band 7 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	23.19	23.16	23.18	25.09	0.3228
20	1	49		22.97	22.85	22.87		
20	1	99		22.74	22.75	22.78		
20	50	0		22.32	21.99	22.12		
20	50	24		22.30	22.01	22.21		
20	50	50		22.04	21.95	22.15		
20	100	0		21.95	21.93	22.00		
20	1	0	16-QAM	22.49	22.37	22.35	24.39	0.2748
20	1	49		22.40	22.25	22.31		
20	1	99		22.02	22.22	22.20		
20	50	0		21.18	21.11	21.14		
20	50	24		21.12	21.04	21.09		
20	50	50		20.97	20.96	21.05		
20	100	0		21.30	21.03	20.98		
20	1	0	64-QAM	21.20	21.25	21.09	23.15	0.2065
20	1	49		21.23	21.02	20.66		
20	1	99		21.06	21.14	21.05		
20	50	0		20.10	20.09	20.04		
20	50	24		20.17	20.17	20.09		
20	50	50		20.11	20.22	20.14		
20	100	0		20.25	20.12	20.01		
20	1	0	256-QAM	17.94	18.01	17.97	20.15	0.1035
20	1	49		18.06	18.09	17.97		
20	1	99		18.25	17.90	17.87		
20	50	0		18.11	17.89	17.70		
20	50	24		18.07	17.99	18.02		
20	50	50		18.15	17.85	17.87		
20	100	0		18.21	17.90	17.93		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 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	23.13	23.13	23.08	25.03	0.3184
15	1	37		22.90	22.84	22.85		
15	1	74		22.71	22.74	22.76		
15	36	0		22.27	21.91	22.11		
15	36	20		22.29	21.98	22.17		
15	36	39		21.97	21.85	22.15		
15	75	0		21.90	21.86	21.96		
15	1	0	16-QAM	22.40	22.28	22.31	24.30	0.2692
15	1	37		22.36	22.21	22.27		
15	1	74		21.98	22.13	22.18		
15	36	0		21.09	21.11	21.10		
15	36	20		21.10	20.94	21.08		
15	36	39		20.91	20.90	21.01		
15	75	0		21.21	20.93	20.89		
15	1	0	64-QAM	21.10	21.25	21.05	23.15	0.2065
15	1	37		21.22	20.99	20.63		
15	1	74		21.02	21.14	21.02		
15	36	0		20.10	20.09	19.97		
15	36	20		20.14	20.16	20.03		
15	36	39		20.05	20.17	20.05		
15	75	0		20.23	20.12	19.98		
15	1	0	256-QAM	18.12	17.87	18.06	20.18	0.1042
15	1	37		18.13	17.83	17.94		
15	1	74		18.16	17.66	17.76		
15	36	0		17.79	17.93	17.73		
15	36	20		17.99	17.83	17.71		
15	36	39		18.03	17.84	17.77		
15	75	0		18.28	18.01	17.96		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 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	23.11	23.09	23.15	25.05	0.3199
10	1	25		22.87	22.82	22.87		
10	1	49		22.70	22.74	22.71		
10	25	0		22.25	21.98	22.02		
10	25	12		22.25	21.93	22.15		
10	25	25		22.00	21.89	22.12		
10	50	0		21.95	21.88	22.00		
10	1	0	16-QAM	22.43	22.28	22.28	24.33	0.2710
10	1	25		22.33	22.17	22.26		
10	1	49		21.96	22.20	22.16		
10	25	0		21.10	21.11	21.11		
10	25	12		21.03	20.95	21.08		
10	25	25		20.88	20.89	20.98		
10	50	0		21.29	20.96	20.95		
10	1	0	64-QAM	21.11	21.18	21.02	23.08	0.2032
10	1	25		21.14	20.99	20.63		
10	1	49		21.04	21.10	21.01		
10	25	0		20.08	20.00	19.97		
10	25	12		20.09	20.16	20.04		
10	25	25		20.09	20.18	20.10		
10	50	0		20.18	20.09	19.98		
10	1	0	256-QAM	18.07	18.04	17.84	20.01	0.1002
10	1	25		18.00	18.05	17.80		
10	1	49		18.05	17.73	18.05		
10	25	0		18.11	17.86	17.58		
10	25	12		17.94	17.78	17.91		
10	25	25		17.90	17.85	17.89		
10	50	0		18.11	17.91	17.91		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 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	23.09	23.09	23.09	24.99	0.3155
5	1	12		22.95	22.83	22.77		
5	1	24		22.68	22.72	22.77		
5	12	0		22.23	21.93	22.11		
5	12	7		22.25	22.01	22.18		
5	12	13		22.04	21.87	22.15		
5	25	0		21.94	21.93	21.97		
5	1	0	16-QAM	22.45	22.27	22.34	24.35	0.2723
5	1	12		22.32	22.16	22.31		
5	1	24		21.93	22.15	22.19		
5	12	0		21.09	21.10	21.10		
5	12	7		21.02	20.97	21.08		
5	12	13		20.97	20.91	21.04		
5	25	0		21.27	20.93	20.89		
5	1	0	64-QAM	21.19	21.21	20.99	23.11	0.2046
5	1	12		21.15	20.96	20.61		
5	1	24		21.04	21.09	20.98		
5	12	0		20.03	20.09	19.94		
5	12	7		20.15	20.09	20.01		
5	12	13		20.09	20.16	20.10		
5	25	0		20.23	20.02	19.91		
5	1	0	256-QAM	17.87	17.93	17.71	19.97	0.0993
5	1	12		17.84	17.98	17.69		
5	1	24		17.99	17.71	17.85		
5	12	0		18.07	17.84	17.51		
5	12	7		17.86	17.73	17.81		
5	12	13		17.82	17.73	17.82		
5	25	0		18.00	17.86	17.76		
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.74	22.70	22.68	19.89	0.0975
10	1	25		22.70	22.67	22.56		
10	1	49		22.52	22.52	22.53		
10	25	0		21.87	21.77	21.80		
10	25	12		21.65	21.76	21.62		
10	25	25		21.85	21.76	21.78		
10	50	0		21.84	21.76	21.71		
10	1	0	16-QAM	22.09	22.04	21.95	19.27	0.0845
10	1	25		22.00	22.00	22.01		
10	1	49		22.12	22.01	21.73		
10	25	0		20.91	20.75	20.81		
10	25	12		20.92	20.70	20.72		
10	25	25		20.72	20.80	20.69		
10	50	0		20.83	20.76	20.61		
10	1	0	64-QAM	20.86	20.72	20.91	18.06	0.0640
10	1	25		20.83	20.72	20.82		
10	1	49		20.88	20.80	20.87		
10	25	0		19.80	19.77	19.82		
10	25	12		19.90	19.90	19.71		
10	25	25		19.83	19.84	19.82		
10	50	0		19.85	19.79	19.84		
10	1	0	256-QAM	17.77	17.63	17.54	15.08	0.0322
10	1	25		17.77	17.89	17.55		
10	1	49		17.83	17.54	17.59		
10	25	0		17.71	17.71	17.53		
10	25	12		17.88	17.81	17.55		
10	25	25		17.72	17.93	17.67		
10	50	0		17.61	17.67	17.66		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.68	22.62	22.65	19.83	0.0962
5	1	12		22.60	22.60	22.53		
5	1	24		22.50	22.44	22.50		
5	12	0		21.83	21.74	21.73		
5	12	7		21.63	21.76	21.58		
5	12	13		21.84	21.67	21.76		
5	25	0		21.79	21.71	21.61		
5	1	0	16-QAM	21.99	21.98	21.88	19.18	0.0828
5	1	12		21.91	21.94	22.00		
5	1	24		22.03	21.95	21.73		
5	12	0		20.89	20.66	20.81		
5	12	7		20.84	20.60	20.67		
5	12	13		20.71	20.74	20.63		
5	25	0		20.79	20.75	20.57		
5	1	0	64-QAM	20.79	20.71	20.88	18.03	0.0635
5	1	12		20.77	20.68	20.79		
5	1	24		20.83	20.76	20.83		
5	12	0		19.78	19.70	19.74		
5	12	7		19.88	19.83	19.62		
5	12	13		19.83	19.80	19.74		
5	25	0		19.84	19.74	19.74		
5	1	0	256-QAM	17.58	17.58	17.50	15.11	0.0324
5	1	12		17.72	17.77	17.52		
5	1	24		17.65	17.96	17.64		
5	12	0		17.92	17.50	17.70		
5	12	7		17.75	17.67	17.50		
5	12	13		17.68	17.87	17.58		
5	25	0		17.50	17.55	17.68		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.66	22.62	22.59	19.82	0.0959
3	1	8		22.67	22.64	22.54		
3	1	14		22.50	22.46	22.48		
3	8	0		21.86	21.73	21.73		
3	8	4		21.55	21.68	21.61		
3	8	7		21.76	21.68	21.75		
3	15	0		21.80	21.68	21.61		
3	1	0	16-QAM	22.00	22.01	21.90	19.25	0.0841
3	1	8		21.90	21.93	22.00		
3	1	14		22.10	21.91	21.64		
3	8	0		20.83	20.72	20.75		
3	8	4		20.89	20.63	20.70		
3	8	7		20.68	20.76	20.64		
3	15	0		20.83	20.68	20.60		
3	1	0	64-QAM	20.82	20.71	20.91	18.06	0.0640
3	1	8		20.73	20.68	20.80		
3	1	14		20.88	20.70	20.81		
3	8	0		19.79	19.72	19.73		
3	8	4		19.88	19.85	19.68		
3	8	7		19.79	19.83	19.78		
3	15	0		19.76	19.71	19.74		
3	1	0	256-QAM	17.50	17.56	17.56	15.02	0.0318
3	1	8		17.63	17.72	17.58		
3	1	14		17.63	17.84	17.56		
3	8	0		17.87	17.56	17.51		
3	8	4		17.75	17.58	17.55		
3	8	7		17.52	17.76	17.59		
3	15	0		17.53	17.56	17.57		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.62	22.59	22.55	19.87	0.0971
1.4	1	3		22.72	22.71	22.56		
1.4	1	5		22.69	22.56	22.43		
1.4	3	0		22.62	22.56	22.47		
1.4	3	1		22.62	22.56	22.63		
1.4	3	3		22.71	22.56	22.40		
1.4	6	0		21.82	21.72	21.55		
1.4	1	0	16-QAM	22.07	21.90	21.90	19.32	0.0855
1.4	1	3		21.99	22.12	21.77		
1.4	1	5		22.06	22.17	21.66		
1.4	3	0		21.96	21.79	21.66		
1.4	3	1		21.87	21.72	21.71		
1.4	3	3		21.63	21.86	21.54		
1.4	6	0		20.76	20.76	20.65		
1.4	1	0	64-QAM	21.07	21.03	20.83	18.3	0.0676
1.4	1	3		21.06	21.15	20.82		
1.4	1	5		20.91	20.94	20.74		
1.4	3	0		20.91	20.87	20.86		
1.4	3	1		21.10	21.07	20.74		
1.4	3	3		20.82	20.83	20.65		
1.4	6	0		19.89	19.76	19.70		
1.4	1	0	256-QAM	17.56	17.53	17.53	15.1	0.0324
1.4	1	3		17.63	17.63	17.52		
1.4	1	5		17.50	17.95	17.58		
1.4	3	0		17.92	17.59	17.54		
1.4	3	1		17.64	17.51	17.58		
1.4	3	3		17.60	17.73	17.50		
1.4	6	0		17.52	17.55	17.56		
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.5 dB)											
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)			
10	1	0	QPSK	-	22.94	-	22.29	0.1694			
10	1	25			22.73						
10	1	49			22.45						
10	25	0			21.86						
10	25	12			21.72						
10	25	25			21.69						
10	50	0			21.70						
10	1	0	16-QAM		22.01		-	21.36	0.1368		
10	1	25			21.82						
10	1	49			21.98						
10	25	0			20.68						
10	25	12			20.67						
10	25	25			20.88						
10	50	0			20.76						
10	1	0	64-QAM		20.61			-	20.22	0.1052	
10	1	25			20.66						
10	1	49			20.87						
10	25	0			19.80						
10	25	12			19.87						
10	25	25			19.96						
10	50	0			19.76						
10	1	0	256-QAM		17.60				-	17.31	0.0538
10	1	25			17.90						
10	1	49			17.46						
10	25	0			17.67						
10	25	12			17.90						
10	25	25			17.96						
10	50	0			17.69						
Limit	ERP < 3W			Result						Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.71	22.77	22.72	22.12	0.1629
5	1	12		22.70	22.74	22.70		
5	1	24		22.64	22.63	22.68		
5	12	0		21.71	21.77	21.74		
5	12	7		21.86	21.91	21.84		
5	12	13		21.85	21.86	21.84		
5	25	0		21.90	21.91	21.89		
5	1	0	16-QAM	21.88	21.96	21.86	21.61	0.1449
5	1	12		22.23	22.26	22.24		
5	1	24		22.13	22.14	22.08		
5	12	0		20.77	20.80	20.75		
5	12	7		20.82	20.87	20.85		
5	12	13		20.84	20.92	20.86		
5	25	0		20.72	20.77	20.68		
5	1	0	64-QAM	20.66	20.67	20.63	20.14	0.1033
5	1	12		20.75	20.79	20.73		
5	1	24		20.59	20.67	20.63		
5	12	0		19.95	19.99	19.90		
5	12	7		19.85	19.89	19.84		
5	12	13		19.73	19.82	19.79		
5	25	0		19.91	19.94	19.84		
5	1	0	256-QAM	17.58	17.50	17.52	17.26	0.0532
5	1	12		17.56	17.70	17.56		
5	1	24		17.84	17.76	17.60		
5	12	0		17.52	17.59	17.60		
5	12	7		17.59	17.59	17.50		
5	12	13		17.91	17.72	17.56		
5	25	0		17.58	17.53	17.54		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.83	22.90	22.71	20.05	0.1012
10	1	25		22.78	22.82	22.62		
10	1	49		22.53	22.61	22.56		
10	25	0		21.77	22.02	21.82		
10	25	12		21.63	21.81	21.65		
10	25	25		21.77	21.63	21.85		
10	50	0		21.84	21.90	21.58		
10	1	0	16-QAM	22.20	22.07	21.91	19.35	0.0861
10	1	25		21.92	21.93	21.91		
10	1	49		22.01	21.96	21.78		
10	25	0		20.81	20.55	20.81		
10	25	12		20.84	20.66	20.82		
10	25	25		20.63	20.69	20.59		
10	50	0		20.80	20.76	20.60		
10	1	0	64-QAM	20.95	20.72	20.77	18.1	0.0646
10	1	25		20.81	20.69	20.91		
10	1	49		20.92	20.75	20.83		
10	25	0		19.75	19.69	19.76		
10	25	12		19.99	19.83	19.57		
10	25	25		19.86	19.97	19.86		
10	50	0		19.82	19.85	19.78		
10	1	0	256-QAM	17.87	17.54	17.52	15.13	0.0326
10	1	25		17.82	17.86	17.62		
10	1	49		17.88	17.60	17.60		
10	25	0		17.66	17.61	17.58		
10	25	12		17.98	17.72	17.55		
10	25	25		17.66	17.83	17.61		
10	50	0		17.71	17.77	17.62		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.81	22.80	22.69	19.97	0.0993
5	1	12		22.78	22.82	22.61		
5	1	24		22.53	22.57	22.48		
5	12	0		21.75	21.99	21.89		
5	12	7		21.73	21.84	21.69		
5	12	13		21.72	21.61	21.83		
5	25	0		21.85	21.92	21.62		
5	1	0	16-QAM	22.17	22.07	21.89	19.32	0.0855
5	1	12		22.00	21.88	21.90		
5	1	24		22.06	21.86	21.77		
5	12	0		20.88	20.60	20.85		
5	12	7		20.90	20.72	20.76		
5	12	13		20.73	20.71	20.65		
5	25	0		20.76	20.74	20.69		
5	1	0	64-QAM	21.03	20.74	20.74	18.18	0.0658
5	1	12		20.78	20.68	20.85		
5	1	24		20.97	20.85	20.91		
5	12	0		19.71	19.71	19.69		
5	12	7		19.90	19.90	19.58		
5	12	13		19.78	19.89	19.81		
5	25	0		19.86	19.88	19.77		
5	1	0	256-QAM	17.52	17.53	17.59	15.18	0.0330
5	1	12		17.66	17.70	17.62		
5	1	24		17.98	18.03	17.66		
5	12	0		17.55	17.54	17.80		
5	12	7		17.61	17.76	17.53		
5	12	13		18.03	17.90	17.67		
5	25	0		17.57	17.53	17.61		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.06	22.98	22.93	20.95	0.1245
15	1	37		22.85	22.83	22.71		
15	1	74		22.87	22.76	22.71		
15	36	0		22.85	22.77	22.61		
15	36	20		21.83	21.54	21.83		
15	36	39		21.72	21.71	21.54		
15	75	0		21.85	21.69	21.88		
15	1	0	16-QAM	21.90	21.89	21.61	20.04	0.1009
15	1	37		21.76	21.79	21.84		
15	1	74		21.97	21.81	22.01		
15	36	0		22.15	21.66	21.96		
15	36	20		20.78	20.86	20.75		
15	36	39		20.99	20.87	20.62		
15	75	0		20.85	20.98	20.94		
15	1	0	64-QAM	21.09	20.95	20.64	18.98	0.0791
15	1	37		21.00	20.86	20.85		
15	1	74		20.86	20.66	21.00		
15	36	0		20.85	20.87	20.92		
15	36	20		20.10	19.66	20.01		
15	36	39		20.04	19.72	19.71		
15	75	0		19.77	19.69	19.87		
15	1	0	256-QAM	17.70	17.79	17.79	16.11	0.0408
15	1	37		17.92	18.00	17.79		
15	1	74		18.22	18.08	17.78		
15	36	0		17.72	17.74	17.96		
15	36	20		17.93	17.90	17.63		
15	36	39		18.09	18.13	17.79		
15	75	0		17.61	17.83	17.88		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.97	22.90	22.83	20.86	0.1219
10	1	25		22.80	22.76	22.69		
10	1	49		22.78	22.74	22.65		
10	25	0		22.82	22.71	22.51		
10	25	12		21.73	21.52	21.80		
10	25	25		21.69	21.71	21.68		
10	50	0		21.75	21.64	21.86		
10	1	0	16-QAM	21.83	21.83	21.60	20.02	0.1005
10	1	25		21.75	21.75	21.84		
10	1	49		21.97	21.77	21.97		
10	25	0		22.13	21.62	21.95		
10	25	12		20.71	20.78	20.74		
10	25	25		20.92	20.81	20.52		
10	50	0		20.85	20.88	20.94		
10	1	0	64-QAM	21.07	20.85	20.54	18.96	0.0787
10	1	25		20.92	20.80	20.82		
10	1	49		20.81	20.61	20.95		
10	25	0		20.75	20.78	20.88		
10	25	12		20.10	19.64	19.99		
10	25	25		19.96	19.65	19.61		
10	50	0		19.76	19.61	19.87		
10	1	0	256-QAM	17.52	17.50	17.59	15.87	0.0386
10	1	25		17.69	17.86	17.55		
10	1	49		17.92	17.90	17.61		
10	25	0		17.56	17.55	17.66		
10	25	12		17.69	17.76	17.69		
10	25	25		17.98	17.92	17.55		
10	50	0		17.58	17.59	17.63		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.02	22.98	22.83	20.91	0.1233
5	1	12		22.81	22.83	22.70		
5	1	24		22.81	22.73	22.70		
5	12	0		22.82	22.72	22.58		
5	12	7		21.80	21.64	21.80		
5	12	13		21.68	21.64	21.50		
5	25	0		21.77	21.61	21.78		
5	1	0	16-QAM	21.86	21.79	21.51	19.97	0.0993
5	1	12		21.76	21.73	21.83		
5	1	24		21.94	21.80	22.01		
5	12	0		22.08	21.60	21.91		
5	12	7		20.75	20.84	20.67		
5	12	13		20.92	20.84	20.54		
5	25	0		20.76	20.91	20.86		
5	1	0	64-QAM	21.07	20.92	20.54	18.96	0.0787
5	1	12		21.00	20.84	20.82		
5	1	24		20.77	20.57	20.99		
5	12	0		20.79	20.86	20.84		
5	12	7		20.04	19.64	19.97		
5	12	13		20.04	19.66	19.62		
5	25	0		19.68	19.65	19.85		
5	1	0	256-QAM	17.71	17.75	17.60	16.13	0.0410
5	1	12		17.85	18.05	17.72		
5	1	24		18.07	18.24	17.84		
5	12	0		17.62	17.63	17.91		
5	12	7		17.83	17.81	17.70		
5	12	13		18.03	18.09	17.68		
5	25	0		17.72	17.70	17.91		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.03	22.98	22.87	20.92	0.1236
3	1	8		22.82	22.75	22.71		
3	1	14		22.81	22.76	22.64		
3	8	0		22.78	22.73	22.59		
3	8	4		21.81	21.54	21.80		
3	8	7		21.72	21.65	21.53		
3	15	0		21.79	21.62	21.79		
3	1	0	16-QAM	21.87	21.87	21.55	19.96	0.0991
3	1	8		21.71	21.69	21.76		
3	1	14		21.91	21.81	21.99		
3	8	0		22.07	21.64	21.96		
3	8	4		20.68	20.86	20.72		
3	8	7		20.98	20.86	20.60		
3	15	0		20.75	20.91	20.88		
3	1	0	64-QAM	21.00	20.88	20.60	18.89	0.0774
3	1	8		20.95	20.82	20.85		
3	1	14		20.83	20.56	20.90		
3	8	0		20.75	20.84	20.88		
3	8	4		20.03	19.62	19.91		
3	8	7		19.99	19.63	19.65		
3	15	0		19.76	19.62	19.86		
3	1	0	256-QAM	17.65	17.75	17.63	16.08	0.0406
3	1	8		17.89	17.99	17.70		
3	1	14		18.05	18.11	17.87		
3	8	0		17.68	17.66	17.85		
3	8	4		17.80	17.92	17.73		
3	8	7		18.19	18.05	17.83		
3	15	0		17.75	17.72	17.94		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.86	22.64	22.60	20.75	0.1189
1.4	1	3		22.78	22.61	22.73		
1.4	1	5		22.73	22.80	22.61		
1.4	3	0		22.84	22.65	22.61		
1.4	3	1		22.70	22.78	22.67		
1.4	3	3		22.78	22.59	22.72		
1.4	6	0		22.04	21.81	21.70		
1.4	1	0	16-QAM	21.94	21.55	21.61	19.83	0.0962
1.4	1	3		21.85	21.71	21.80		
1.4	1	5		21.93	21.61	21.90		
1.4	3	0		21.78	21.65	21.59		
1.4	3	1		21.93	21.71	21.57		
1.4	3	3		21.69	21.68	21.86		
1.4	6	0		20.94	20.94	20.72		
1.4	1	0	64-QAM	20.88	20.78	20.87	18.94	0.0783
1.4	1	3		20.97	20.69	21.03		
1.4	1	5		20.97	20.82	20.73		
1.4	3	0		21.01	20.72	20.81		
1.4	3	1		21.05	20.68	20.77		
1.4	3	3		21.02	20.89	20.92		
1.4	6	0		20.02	19.64	19.59		
1.4	1	0	256-QAM	17.62	17.75	17.61	16.08	0.0406
1.4	1	3		17.90	17.97	17.65		
1.4	1	5		18.13	18.17	17.76		
1.4	3	0		17.76	17.62	17.82		
1.4	3	1		17.77	17.84	17.66		
1.4	3	3		18.19	18.10	17.77		
1.4	6	0		17.69	17.78	17.95		
Limit	ERP < 7W			Result			Pass	



LTE Band 38 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	23.24	23.19	23.07	25.14	0.3266
20	1	49		23.07	23.08	22.99		
20	1	99		23.21	23.09	22.89		
20	50	0		22.39	22.34	22.20		
20	50	24		22.23	22.12	21.99		
20	50	50		22.11	22.20	22.17		
20	100	0		22.12	22.15	22.24		
20	1	0	16-QAM	22.26	21.99	21.90	24.26	0.2667
20	1	49		22.30	22.04	21.88		
20	1	99		22.36	22.24	22.25		
20	50	0		21.35	21.15	20.87		
20	50	24		21.23	21.05	21.14		
20	50	50		21.28	21.31	21.18		
20	100	0		21.39	21.04	21.12		
20	1	0	64-QAM	21.12	21.16	21.14	23.21	0.2094
20	1	49		21.31	21.25	21.19		
20	1	99		21.15	21.20	21.11		
20	50	0		20.14	20.21	20.01		
20	50	24		20.43	20.01	20.14		
20	50	50		20.44	20.21	20.26		
20	100	0		20.44	20.00	19.87		
20	1	0	256-QAM	17.68	17.82	17.74	20.07	0.1016
20	1	49		17.95	18.02	17.64		
20	1	99		18.08	18.07	17.79		
20	50	0		17.67	17.63	17.88		
20	50	24		17.85	17.85	17.65		
20	50	50		18.17	18.15	17.76		
20	100	0		17.61	17.79	17.97		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 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	23.18	23.13	22.98	25.08	0.3221
15	1	37		23.01	22.98	22.98		
15	1	74		23.13	23.02	22.88		
15	36	0		22.31	22.32	22.19		
15	36	20		22.19	22.11	21.90		
15	36	39		22.04	22.17	22.14		
15	75	0		22.08	22.08	22.18		
15	1	0	16-QAM	22.25	21.93	21.89	24.26	0.2667
15	1	37		22.20	21.98	21.78		
15	1	74		22.36	22.24	22.16		
15	36	0		21.33	21.13	20.87		
15	36	20		21.16	21.02	21.07		
15	36	39		21.22	21.26	21.16		
15	75	0		21.34	21.03	21.09		
15	1	0	64-QAM	21.12	21.11	21.06	23.21	0.2094
15	1	37		21.31	21.21	21.16		
15	1	74		21.08	21.11	21.02		
15	36	0		20.10	20.18	19.96		
15	36	20		20.40	19.95	20.10		
15	36	39		20.41	20.21	20.22		
15	75	0		20.40	20.00	19.87		
15	1	0	256-QAM	17.77	17.68	17.74	20.07	0.1016
15	1	37		17.96	17.96	17.68		
15	1	74		18.17	18.17	17.74		
15	36	0		17.80	17.64	17.80		
15	36	20		17.78	17.83	17.71		
15	36	39		18.17	18.12	17.81		
15	75	0		17.78	17.82	17.81		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 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	23.15	23.09	22.97	25.05	0.3199
10	1	25		22.98	23.07	22.93		
10	1	49		23.15	23.04	22.89		
10	25	0		22.35	22.31	22.17		
10	25	12		22.21	22.06	21.96		
10	25	25		22.05	22.13	22.13		
10	50	0		22.11	22.08	22.22		
10	1	0	16-QAM	22.19	21.93	21.84	24.26	0.2667
10	1	25		22.21	21.96	21.84		
10	1	49		22.36	22.21	22.16		
10	25	0		21.29	21.08	20.79		
10	25	12		21.13	21.04	21.11		
10	25	25		21.22	21.29	21.11		
10	50	0		21.30	20.97	21.11		
10	1	0	64-QAM	21.11	21.07	21.04	23.13	0.2056
10	1	25		21.23	21.20	21.18		
10	1	49		21.05	21.17	21.02		
10	25	0		20.08	20.15	19.96		
10	25	12		20.43	19.93	20.13		
10	25	25		20.39	20.12	20.22		
10	50	0		20.38	19.99	19.82		
10	1	0	256-QAM	17.72	17.68	17.76	20.12	0.1028
10	1	25		17.86	18.07	17.76		
10	1	49		18.07	18.22	17.88		
10	25	0		17.77	17.77	17.81		
10	25	12		17.89	17.83	17.67		
10	25	25		18.07	18.15	17.88		
10	50	0		17.75	17.74	17.97		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 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	23.18	23.15	23.02	25.11	0.3243
5	1	12		23.04	23.07	22.96		
5	1	24		23.21	23.07	22.81		
5	12	0		22.39	22.30	22.12		
5	12	7		22.13	22.10	21.97		
5	12	13		22.06	22.13	22.12		
5	25	0		22.03	22.14	22.21		
5	1	0	16-QAM	22.20	21.91	21.83	24.24	0.2655
5	1	12		22.28	22.04	21.86		
5	1	24		22.34	22.16	22.18		
5	12	0		21.32	21.07	20.78		
5	12	7		21.20	20.96	21.05		
5	12	13		21.26	21.29	21.18		
5	25	0		21.31	20.96	21.05		
5	1	0	64-QAM	21.09	21.09	21.10	23.19	0.2084
5	1	12		21.29	21.22	21.19		
5	1	24		21.08	21.19	21.02		
5	12	0		20.04	20.16	19.92		
5	12	7		20.43	19.94	20.07		
5	12	13		20.44	20.21	20.24		
5	25	0		20.36	19.93	19.81		
5	1	0	256-QAM	17.66	17.75	17.72	20.13	0.1030
5	1	12		17.87	18.06	17.65		
5	1	24		18.23	18.18	17.79		
5	12	0		17.73	17.69	17.93		
5	12	7		17.79	17.77	17.77		
5	12	13		18.19	17.99	17.79		
5	25	0		17.70	17.77	17.78		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.15	23.26	23.08	25.16	0.3281
20	1	49		23.07	23.10	22.98		
20	1	99		23.02	23.06	22.99		
20	50	0		22.29	22.30	22.23		
20	50	24		22.02	21.99	22.18		
20	50	50		22.00	22.21	22.28		
20	100	0		22.13	22.08	22.25		
20	1	0	16-QAM	22.27	22.33	22.25	24.23	0.2649
20	1	49		22.11	22.20	22.05		
20	1	99		21.98	22.00	21.91		
20	50	0		21.04	21.24	21.20		
20	50	24		21.34	21.32	20.95		
20	50	50		21.16	21.03	20.94		
20	100	0		21.18	21.25	21.15		
20	1	0	64-QAM	21.23	21.10	21.15	23.18	0.2080
20	1	49		21.07	21.28	20.99		
20	1	99		21.22	21.25	21.18		
20	50	0		19.97	20.31	20.00		
20	50	24		20.20	20.09	20.05		
20	50	50		20.31	20.19	20.03		
20	100	0		20.01	20.07	20.25		
20	1	0	256-QAM	17.88	17.70	17.61	20.12	0.1028
20	1	49		17.96	17.92	17.67		
20	1	99		18.20	18.22	17.81		
20	50	0		17.68	17.79	17.90		
20	50	24		17.94	17.85	17.72		
20	50	50		18.08	18.09	17.81		
20	100	0		17.73	17.68	17.83		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.11	23.25	22.98	25.15	0.3273
15	1	37		22.99	23.01	22.88		
15	1	74		22.92	23.03	22.91		
15	36	0		22.22	22.26	22.21		
15	36	20		21.94	21.92	22.16		
15	36	39		22.00	22.11	22.23		
15	75	0		22.03	22.07	22.21		
15	1	0	16-QAM	22.26	22.24	22.15	24.16	0.2606
15	1	37		22.02	22.17	21.98		
15	1	74		21.92	21.96	21.81		
15	36	0		21.03	21.14	21.10		
15	36	20		21.33	21.23	20.90		
15	36	39		21.10	20.95	20.94		
15	75	0		21.14	21.16	21.13		
15	1	0	64-QAM	21.19	21.10	21.14	23.15	0.2065
15	1	37		21.01	21.25	20.99		
15	1	74		21.19	21.25	21.10		
15	36	0		19.88	20.30	19.91		
15	36	20		20.19	20.06	20.05		
15	36	39		20.22	20.10	19.94		
15	75	0		19.97	20.04	20.24		
15	1	0	256-QAM	17.78	17.78	17.71	20.13	0.1030
15	1	37		17.91	17.93	17.64		
15	1	74		18.15	18.21	17.83		
15	36	0		17.65	17.66	17.99		
15	36	20		17.95	17.93	17.77		
15	36	39		18.08	18.23	17.85		
15	75	0		17.71	17.75	17.97		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.12	23.16	23.06	25.06	0.3206
10	1	25		23.02	23.05	22.91		
10	1	49		23.01	23.01	22.97		
10	25	0		22.29	22.22	22.23		
10	25	12		21.93	21.97	22.08		
10	25	25		21.95	22.12	22.23		
10	50	0		22.13	22.05	22.25		
10	1	0	16-QAM	22.25	22.24	22.21	24.15	0.2600
10	1	25		22.11	22.19	22.03		
10	1	49		21.98	21.97	21.90		
10	25	0		21.01	21.23	21.14		
10	25	12		21.30	21.32	20.87		
10	25	25		21.16	21.00	20.94		
10	50	0		21.09	21.17	21.06		
10	1	0	64-QAM	21.18	21.06	21.08	23.13	0.2056
10	1	25		21.04	21.23	20.89		
10	1	49		21.18	21.16	21.18		
10	25	0		19.97	20.23	19.95		
10	25	12		20.20	20.06	19.97		
10	25	25		20.21	20.16	20.01		
10	50	0		19.91	19.98	20.15		
10	1	0	256-QAM	17.85	17.73	17.73	20.13	0.1030
10	1	25		17.92	17.96	17.66		
10	1	49		18.23	18.13	17.75		
10	25	0		17.74	17.60	17.81		
10	25	12		17.87	17.83	17.72		
10	25	25		17.98	18.19	17.70		
10	50	0		17.79	17.61	17.89		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 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	23.05	23.24	23.08	25.14	0.3266
5	1	12		23.04	23.07	22.90		
5	1	24		23.01	23.00	22.99		
5	12	0		22.26	22.26	22.14		
5	12	7		21.99	21.90	22.08		
5	12	13		21.93	22.14	22.23		
5	25	0		22.03	22.08	22.15		
5	1	0	16-QAM	22.20	22.24	22.19	24.14	0.2594
5	1	12		22.10	22.13	22.03		
5	1	24		21.94	21.90	21.85		
5	12	0		20.96	21.23	21.16		
5	12	7		21.29	21.30	20.88		
5	12	13		21.15	20.98	20.89		
5	25	0		21.14	21.22	21.06		
5	1	0	64-QAM	21.16	21.09	21.10	23.15	0.2065
5	1	12		20.97	21.24	20.91		
5	1	24		21.21	21.25	21.15		
5	12	0		19.87	20.25	19.96		
5	12	7		20.19	20.06	19.95		
5	12	13		20.23	20.19	20.01		
5	25	0		19.98	19.99	20.20		
5	1	0	256-QAM	17.73	17.69	17.68	20.04	0.1009
5	1	12		17.89	17.97	17.72		
5	1	24		18.06	18.14	17.84		
5	12	0		17.69	17.74	17.95		
5	12	7		17.82	17.82	17.67		
5	12	13		18.09	18.04	17.85		
5	25	0		17.71	17.66	17.97		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.83	25.70	25.67	27.73	0.5929
20	1	49		25.67	25.62	25.65		
20	1	99		25.67	25.61	25.61		
20	50	0		24.97	24.69	24.70		
20	50	24		24.96	24.62	24.64		
20	50	50		24.79	24.60	24.63		
20	100	0		24.91	24.58	24.60		
20	1	0	16-QAM	24.70	24.63	24.67	26.88	0.4875
20	1	49		24.85	24.61	24.65		
20	1	99		24.98	24.55	24.57		
20	50	0		23.97	23.67	23.64		
20	50	24		23.71	23.54	23.60		
20	50	50		23.70	23.55	23.59		
20	100	0		23.73	23.55	23.52		
20	1	0	64-QAM	23.93	23.58	23.60	25.93	0.3917
20	1	49		23.74	23.57	23.62		
20	1	99		24.03	23.53	23.55		
20	50	0		22.87	22.63	22.62		
20	50	24		22.80	22.67	22.67		
20	50	50		22.93	22.60	22.60		
20	100	0		22.91	22.66	22.63		
20	1	0	256-QAM	21.69	21.50	21.54	23.75	0.2371
20	1	49		21.73	21.58	21.55		
20	1	99		21.85	21.45	21.54		
20	50	0		21.84	21.51	21.63		
20	50	24		21.71	21.50	21.58		
20	50	50		21.77	21.44	21.48		
20	100	0		21.76	21.46	21.61		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.79	25.69	25.57	27.69	0.5875
15	1	37		25.64	25.59	25.59		
15	1	74		25.59	25.57	25.58		
15	36	0		24.90	24.65	24.67		
15	36	20		24.89	24.61	24.61		
15	36	39		24.71	24.57	24.53		
15	75	0		24.91	24.58	24.50		
15	1	0	16-QAM	24.61	24.56	24.67	26.84	0.4831
15	1	37		24.82	24.55	24.59		
15	1	74		24.94	24.55	24.59		
15	36	0		23.89	23.60	23.54		
15	36	20		23.62	23.58	23.57		
15	36	39		23.69	23.50	23.59		
15	75	0		23.67	23.52	23.58		
15	1	0	64-QAM	23.86	23.57	23.52	25.88	0.3873
15	1	37		23.64	23.50	23.62		
15	1	74		23.98	23.57	23.55		
15	36	0		22.81	22.54	22.54		
15	36	20		22.75	22.62	22.61		
15	36	39		22.85	22.52	22.59		
15	75	0		22.85	22.66	22.63		
15	1	0	256-QAM	21.85	21.50	21.57	23.78	0.2388
15	1	37		21.64	21.58	21.67		
15	1	74		21.84	21.41	21.56		
15	36	0		21.88	21.63	21.46		
15	36	20		21.65	21.48	21.60		
15	36	39		21.77	21.55	21.40		
15	75	0		21.85	21.53	21.55		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.81	25.69	25.58	27.71	0.5902
10	1	25		25.61	25.56	25.55		
10	1	49		25.67	25.54	25.54		
10	25	0		24.88	24.59	24.61		
10	25	12		24.93	24.53	24.56		
10	25	25		24.71	24.55	24.59		
10	50	0		24.90	24.55	24.54		
10	1	0	16-QAM	24.61	24.60	24.58	26.86	0.4853
10	1	25		24.83	24.59	24.62		
10	1	49		24.96	24.59	24.50		
10	25	0		23.92	23.66	23.56		
10	25	12		23.67	23.54	23.52		
10	25	25		23.67	23.55	23.55		
10	50	0		23.71	23.53	23.52		
10	1	0	64-QAM	23.91	23.51	23.54	25.83	0.3828
10	1	25		23.74	23.54	23.56		
10	1	49		23.93	23.56	23.55		
10	25	0		22.78	22.58	22.57		
10	25	12		22.78	22.64	22.59		
10	25	25		22.88	22.55	22.50		
10	50	0		22.91	22.62	22.58		
10	1	0	256-QAM	21.80	21.56	21.42	23.80	0.2399
10	1	25		21.77	21.53	21.57		
10	1	49		21.78	21.55	21.49		
10	25	0		21.90	21.58	21.59		
10	25	12		21.80	21.49	21.55		
10	25	25		21.83	21.56	21.52		
10	50	0		21.89	21.63	21.44		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) 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	25.82	25.70	25.59	27.72	0.5916
5	1	12		25.62	25.61	25.55		
5	1	24		25.64	25.56	25.55		
5	12	0		24.88	24.64	24.69		
5	12	7		24.96	24.59	24.62		
5	12	13		24.72	24.58	24.63		
5	25	0		24.88	24.58	24.57		
5	1	0	16-QAM	24.65	24.60	24.67	26.83	0.4819
5	1	12		24.75	24.60	24.55		
5	1	24		24.93	24.55	24.57		
5	12	0		23.91	23.66	23.55		
5	12	7		23.66	23.54	23.53		
5	12	13		23.67	23.58	23.52		
5	25	0		23.65	23.52	24.58		
5	1	0	64-QAM	23.90	23.50	23.51	25.87	0.3864
5	1	12		23.67	23.54	23.58		
5	1	24		23.97	23.53	23.55		
5	12	0		22.85	22.63	22.55		
5	12	7		22.76	22.64	22.61		
5	12	13		22.89	22.55	22.55		
5	25	0		22.85	22.66	22.56		
5	1	0	256-QAM	21.76	21.56	21.47	23.83	0.2415
5	1	12		21.71	21.65	21.54		
5	1	24		21.93	21.42	21.45		
5	12	0		21.87	21.62	21.51		
5	12	7		21.78	21.65	21.64		
5	12	13		21.89	21.40	21.53		
5	25	0		21.82	21.56	21.50		
Limit	EIRP < 2W			Result			Pass	



LTE Band 66 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	23.15	22.99	22.93	25.05	0.3199
20	1	49		23.06	22.90	22.87		
20	1	99		23.10	22.94	22.81		
20	50	0		22.26	22.12	21.80		
20	50	24		22.01	22.11	21.76		
20	50	50		22.04	21.88	21.88		
20	100	0		22.10	22.13	21.96		
20	1	0	16-QAM	22.15	22.15	21.87	24.09	0.2564
20	1	49		22.19	22.03	22.08		
20	1	99		22.14	22.07	22.12		
20	50	0		20.98	20.80	20.89		
20	50	24		21.31	20.93	21.17		
20	50	50		21.30	20.86	20.97		
20	100	0		21.01	21.18	20.85		
20	1	0	64-QAM	21.07	21.11	20.90	23.01	0.2000
20	1	49		20.96	20.84	21.07		
20	1	99		21.01	21.07	21.05		
20	50	0		20.01	20.09	20.06		
20	50	24		20.18	20.09	19.99		
20	50	50		20.21	20.01	19.91		
20	100	0		19.95	19.88	19.79		
20	1	0	256-QAM	17.51	17.54	17.56	19.94	0.0986
20	1	49		17.67	17.67	17.58		
20	1	99		17.91	18.04	17.69		
20	50	0		17.46	17.45	17.79		
20	50	24		17.70	17.75	17.41		
20	50	50		17.85	17.78	17.64		
20	100	0		17.45	17.57	17.67		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.12	22.91	22.88	25.02	0.3177
15	1	37		23.06	22.84	22.79		
15	1	74		23.04	22.88	22.74		
15	36	0		22.16	22.09	21.71		
15	36	20		21.95	22.05	21.66		
15	36	39		22.03	21.82	21.80		
15	75	0		22.01	22.09	21.95		
15	1	0	16-QAM	22.14	22.15	21.82	24.05	0.2541
15	1	37		22.14	21.99	22.03		
15	1	74		22.13	22.01	22.05		
15	36	0		20.89	20.77	20.80		
15	36	20		21.23	20.89	21.15		
15	36	39		21.22	20.83	20.93		
15	75	0		20.92	21.12	20.77		
15	1	0	64-QAM	21.03	21.10	20.89	23.00	0.1995
15	1	37		20.88	20.83	21.07		
15	1	74		20.99	21.02	20.95		
15	36	0		19.99	20.01	20.03		
15	36	20		20.09	20.03	19.92		
15	36	39		20.15	19.96	19.89		
15	75	0		19.92	19.84	19.72		
15	1	0	256-QAM	17.57	17.48	17.51	19.87	0.0971
15	1	37		17.80	17.87	17.47		
15	1	74		17.97	17.87	17.63		
15	36	0		17.52	17.46	17.77		
15	36	20		17.70	17.76	17.55		
15	36	39		17.87	17.83	17.62		
15	75	0		17.40	17.52	17.76		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.07	22.90	22.87	25.00	0.3162
10	1	25		22.96	22.90	22.86		
10	1	49		23.10	22.93	22.71		
10	25	0		22.20	22.04	21.71		
10	25	12		21.93	22.09	21.67		
10	25	25		21.99	21.82	21.78		
10	50	0		22.03	22.07	21.96		
10	1	0	16-QAM	22.11	22.14	21.86	24.04	0.2535
10	1	25		22.13	21.99	22.02		
10	1	49		22.12	22.02	22.06		
10	25	0		20.98	20.79	20.79		
10	25	12		21.25	20.88	21.09		
10	25	25		21.28	20.86	20.92		
10	50	0		20.97	21.17	20.76		
10	1	0	64-QAM	20.98	21.02	20.89	22.93	0.1963
10	1	25		20.86	20.84	21.01		
10	1	49		20.94	21.03	21.02		
10	25	0		20.00	19.99	20.01		
10	25	12		20.15	20.02	19.95		
10	25	25		20.16	20.01	19.85		
10	50	0		19.92	19.79	19.70		
10	1	0	256-QAM	17.42	17.57	17.50	19.92	0.0982
10	1	25		17.82	17.72	17.43		
10	1	49		17.99	17.97	17.57		
10	25	0		17.47	17.44	17.80		
10	25	12		17.57	17.59	17.58		
10	25	25		18.02	17.97	17.50		
10	50	0		17.51	17.61	17.72		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.06	22.89	22.93	24.96	0.3133
5	1	12		23.05	22.90	22.87		
5	1	24		23.02	22.93	22.71		
5	12	0		22.22	22.12	21.70		
5	12	7		21.93	22.01	21.66		
5	12	13		21.95	21.82	21.79		
5	25	0		22.07	22.11	21.92		
5	1	0	16-QAM	22.05	22.15	21.87	24.07	0.2553
5	1	12		22.17	21.93	21.99		
5	1	24		22.11	22.07	22.05		
5	12	0		20.90	20.85	20.82		
5	12	7		21.28	20.89	21.17		
5	12	13		21.21	20.80	20.92		
5	25	0		20.98	21.09	20.82		
5	1	0	64-QAM	21.01	21.11	20.89	23.01	0.2000
5	1	12		20.94	20.82	21.06		
5	1	24		20.95	20.97	21.04		
5	12	0		19.97	20.05	20.03		
5	12	7		20.12	20.00	19.91		
5	12	13		20.20	19.95	19.83		
5	25	0		19.90	19.88	19.75		
5	1	0	256-QAM	17.60	17.61	17.48	19.93	0.0984
5	1	12		17.65	17.71	17.51		
5	1	24		17.91	17.94	17.66		
5	12	0		17.44	17.41	17.64		
5	12	7		17.61	17.70	17.51		
5	12	13		18.03	17.90	17.65		
5	25	0		17.51	17.47	17.67		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	23.06	22.89	22.91	24.99	0.3155
3	1	8		23.02	22.89	22.82		
3	1	14		23.09	22.88	22.77		
3	8	0		22.25	22.06	21.73		
3	8	4		22.00	22.08	21.76		
3	8	7		21.95	21.81	21.83		
3	15	0		22.02	22.08	21.90		
3	1	0	16-QAM	22.09	22.12	21.86	24.04	0.2535
3	1	8		22.14	21.95	22.06		
3	1	14		22.11	22.01	22.04		
3	8	0		20.96	20.80	20.83		
3	8	4		21.25	20.84	21.09		
3	8	7		21.29	20.84	20.96		
3	15	0		21.00	21.11	20.75		
3	1	0	64-QAM	20.99	21.08	20.88	22.98	0.1986
3	1	8		20.86	20.82	21.03		
3	1	14		20.99	20.98	21.05		
3	8	0		20.01	20.03	20.04		
3	8	4		20.13	20.05	19.89		
3	8	7		20.12	19.92	19.85		
3	15	0		19.90	19.86	19.76		
3	1	0	256-QAM	17.52	17.49	17.49	19.91	0.0979
3	1	8		17.69	17.69	17.50		
3	1	14		18.01	17.88	17.72		
3	8	0		17.57	17.51	17.60		
3	8	4		17.65	17.64	17.52		
3	8	7		17.86	17.78	17.58		
3	15	0		17.51	17.50	17.75		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 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	22.73	22.89	22.87	24.91	0.3097
1.4	1	3		22.78	22.83	22.87		
1.4	1	5		22.83	23.01	22.74		
1.4	3	0		22.79	22.99	22.88		
1.4	3	1		22.79	22.93	22.93		
1.4	3	3		22.77	22.86	22.87		
1.4	6	0		21.98	22.10	22.13		
1.4	1	0	16-QAM	21.87	21.92	21.79	24.11	0.2576
1.4	1	3		21.81	21.88	21.87		
1.4	1	5		21.79	21.95	21.82		
1.4	3	0		22.03	21.96	22.09		
1.4	3	1		21.95	22.21	21.83		
1.4	3	3		21.97	21.98	22.12		
1.4	6	0		20.84	20.81	21.10		
1.4	1	0	64-QAM	20.75	21.02	21.00	23.15	0.2065
1.4	1	3		20.73	20.77	21.06		
1.4	1	5		20.72	21.02	20.74		
1.4	3	0		20.72	20.80	21.12		
1.4	3	1		20.88	21.20	21.04		
1.4	3	3		20.64	21.25	20.75		
1.4	6	0		19.86	20.13	20.12		
1.4	1	0	256-QAM	17.59	17.50	17.56	19.95	0.0989
1.4	1	3		17.76	17.77	17.51		
1.4	1	5		18.00	18.05	17.74		
1.4	3	0		17.50	17.49	17.79		
1.4	3	1		17.64	17.59	17.54		
1.4	3	3		17.89	17.81	17.50		
1.4	6	0		17.47	17.61	17.64		
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.18	23.12	23.29	19.48	0.0887
20	1	49		23.08	23.08	23.18		
20	1	99		23.01	23.06	23.19		
20	50	0		22.15	22.31	22.48		
20	50	24		22.04	22.31	22.25		
20	50	50		22.07	22.14	22.11		
20	100	0		22.18	22.04	22.34		
20	1	0	16-QAM	22.12	22.16	22.21	18.51	0.0710
20	1	49		22.25	22.13	22.22		
20	1	99		22.32	22.12	22.20		
20	50	0		21.12	21.03	21.28		
20	50	24		21.23	21.17	21.32		
20	50	50		21.10	21.25	21.27		
20	100	0		21.01	21.15	21.20		
20	1	0	64-QAM	21.12	21.29	21.16	17.58	0.0573
20	1	49		21.39	21.07	21.32		
20	1	99		21.10	21.17	21.16		
20	50	0		20.29	20.11	20.18		
20	50	24		20.17	20.15	20.37		
20	50	50		20.40	20.13	20.10		
20	100	0		20.28	20.08	20.29		
20	1	0	256-QAM	18.20	18.30	18.22	14.49	0.0281
20	1	49		17.91	17.88	17.81		
20	1	99		18.23	18.13	17.74		
20	50	0		17.78	17.68	17.87		
20	50	24		17.87	17.84	17.78		
20	50	50		18.17	18.09	17.78		
20	100	0		17.61	17.84	17.97		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.16	23.05	23.22	19.41	0.0873
15	1	37		22.98	23.04	23.13		
15	1	74		23.01	23.03	23.17		
15	36	0		22.14	22.21	22.47		
15	36	20		22.02	22.25	22.24		
15	36	39		21.98	22.10	22.05		
15	75	0		22.12	22.02	22.27		
15	1	0	16-QAM	22.11	22.12	22.15	18.49	0.0706
15	1	37		22.18	22.12	22.20		
15	1	74		22.30	22.05	22.13		
15	36	0		21.11	21.03	21.28		
15	36	20		21.23	21.15	21.29		
15	36	39		21.10	21.17	21.27		
15	75	0		20.98	21.10	21.13		
15	1	0	64-QAM	21.03	21.29	21.07	17.5	0.0562
15	1	37		21.31	20.99	21.26		
15	1	74		21.03	21.09	21.11		
15	36	0		20.25	20.06	20.16		
15	36	20		20.16	20.07	20.35		
15	36	39		20.38	20.09	20.06		
15	75	0		20.23	20.06	20.20		
15	1	0	256-QAM	18.10	18.20	18.25	14.44	0.0278
15	1	37		17.94	18.02	17.74		
15	1	74		18.05	18.16	17.87		
15	36	0		17.72	17.66	17.87		
15	36	20		17.79	17.96	17.66		
15	36	39		18.22	18.17	17.81		
15	75	0		17.77	17.66	17.84		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.13	23.10	23.26	19.45	0.0881
10	1	25		23.01	23.01	23.12		
10	1	49		22.92	23.02	23.14		
10	25	0		22.12	22.26	22.40		
10	25	12		21.96	22.24	22.18		
10	25	25		22.03	22.08	22.10		
10	50	0		22.11	21.98	22.24		
10	1	0	16-QAM	22.07	22.14	22.16	18.51	0.0710
10	1	25		22.20	22.04	22.18		
10	1	49		22.32	22.02	22.14		
10	25	0		21.05	21.00	21.20		
10	25	12		21.13	21.16	21.29		
10	25	25		21.00	21.17	21.26		
10	50	0		20.94	21.05	21.11		
10	1	0	64-QAM	21.04	21.21	21.15	17.5	0.0562
10	1	25		21.31	21.03	21.30		
10	1	49		21.04	21.11	21.09		
10	25	0		20.21	20.07	20.09		
10	25	12		20.08	20.05	20.27		
10	25	25		20.38	20.03	20.01		
10	50	0		20.27	19.98	20.23		
10	1	0	256-QAM	17.66	17.70	17.73	14.38	0.0274
10	1	25		17.88	17.95	17.73		
10	1	49		18.19	18.10	17.82		
10	25	0		17.60	17.80	17.80		
10	25	12		17.94	17.79	17.71		
10	25	25		18.06	18.17	17.74		
10	50	0		17.69	17.75	17.94		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.14	23.12	23.29	19.48	0.0887
5	1	12		23.00	23.04	23.13		
5	1	24		22.93	22.98	23.15		
5	12	0		22.11	22.31	22.40		
5	12	7		21.99	22.27	22.18		
5	12	13		22.04	22.12	22.10		
5	25	0		22.11	21.98	22.24		
5	1	0	16-QAM	22.06	22.09	22.19	18.43	0.0697
5	1	12		22.22	22.07	22.22		
5	1	24		22.24	22.03	22.20		
5	12	0		21.12	21.01	21.27		
5	12	7		21.14	21.09	21.26		
5	12	13		21.01	21.15	21.21		
5	25	0		20.98	21.05	21.10		
5	1	0	64-QAM	21.10	21.20	21.14	17.56	0.0570
5	1	12		21.37	21.05	21.32		
5	1	24		21.05	21.07	21.13		
5	12	0		20.25	20.09	20.10		
5	12	7		20.13	20.14	20.31		
5	12	13		20.40	20.12	20.06		
5	25	0		20.19	20.03	20.27		
5	1	0	256-QAM	17.78	17.72	17.67	14.42	0.0277
5	1	12		17.95	17.99	17.81		
5	1	24		18.23	18.20	17.74		
5	12	0		17.62	17.67	17.88		
5	12	7		17.82	17.94	17.61		
5	12	13		18.16	18.07	17.81		
5	25	0		17.76	17.77	17.83		
Limit	ERP < 3W			Result			Pass	



LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = 0.04 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	23.66	22.61	22.68	21.55	0.1429
10+10	1	0	1	49		15.63	15.63	15.63		
10+10	1	49	1	0		23.04	23.03	22.93		
10+10	50	0	50	0	16-QAM	21.31	21.35	21.23	21.47	0.1403
10+10	1	0	1	49		15.29	15.05	15.22		
10+10	1	49	1	0		22.66	23.53	23.58		
10+10	50	0	50	0	64-QAM	21.42	21.43	21.25	20.26	0.1062
10+10	1	0	1	49		15.07	14.86	15.13		
10+10	1	49	1	0		21.58	21.83	22.37		
10+10	50	0	50	0	256-QAM	19.13	19.14	19.11	17.27	0.0533
10+10	1	0	1	49		11.17	11.21	11.26		
10+10	1	49	1	0		19.32	19.38	19.33		
10+5	50	0	25	0	QPSK	22.12	22.02	22.06	21.51	0.1416
10+5	1	0	1	24		11.82	11.77	11.87		
10+5	1	49	1	0		23.62	23.61	23.61		
10+5	50	0	25	0	16-QAM	21.11	21.02	21.02	21.39	0.1377
10+5	1	0	1	24		12.24	12.30	12.31		
10+5	1	49	1	0		23.47	23.50	23.49		
10+5	50	0	25	0	64-QAM	21.09	21.14	21.09	19.30	0.0851
10+5	1	0	1	24		12.11	12.14	12.21		
10+5	1	49	1	0		21.35	21.41	21.26		
10+5	50	0	25	0	256-QAM	18.58	18.64	18.71	16.77	0.0475
10+5	1	0	1	24		10.73	10.61	10.76		
10+5	1	49	1	0		18.76	18.85	18.88		
5+10	25	0	50	0	QPSK	22.12	22.01	22.05	21.50	0.1413
5+10	1	0	1	49		11.72	11.76	11.79		
5+10	1	24	1	0		23.61	23.61	23.61		
5+10	25	0	50	0	16-QAM	21.07	20.93	21.02	21.39	0.1377
5+10	1	0	1	49		12.19	12.21	12.26		
5+10	1	24	1	0		23.40	23.50	23.42		
5+10	25	0	50	0	64-QAM	21.04	21.05	21.08	19.28	0.0847
5+10	1	0	1	49		12.03	12.05	12.13		
5+10	1	24	1	0		21.32	21.39	21.18		
5+10	25	0	50	0	256-QAM	18.66	18.65	18.76	16.81	0.0480
5+10	1	0	1	49		10.57	10.62	10.71		
5+10	1	24	1	0		18.84	18.79	18.92		
Limit	ERP < 7W					Result			Pass	



LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	22.71	22.64	22.68	24.68	0.2938
10+10	1	0	1	49		14.00	13.93	14.23		
10+10	1	49	1	0		22.78	22.45	22.71		
10+10	50	0	50	0	16-QAM	21.47	21.42	21.46	25.20	0.3311
10+10	1	0	1	49		14.25	13.99	14.17		
10+10	1	49	1	0		23.30	23.20	23.10		
10+10	50	0	50	0	64-QAM	21.43	21.40	21.43	24.24	0.2655
10+10	1	0	1	49		13.95	14.00	14.02		
10+10	1	49	1	0		22.05	22.34	22.02		
10+10	50	0	50	0	256-QAM	19.46	19.48	19.42	21.46	0.1400
10+10	1	0	1	49		14.25	14.32	14.21		
10+10	1	49	1	0		19.53	19.56	19.48		
15+5	75	0	25	0	QPSK	21.29	21.18	21.27	25.15	0.3273
15+5	1	0	1	24		12.69	12.72	12.83		
15+5	1	74	1	0		23.25	23.23	22.29		
15+5	75	0	25	0	16-QAM	20.37	20.33	20.08	24.69	0.2944
15+5	1	0	1	24		13.44	13.28	13.04		
15+5	1	74	1	0		22.79	22.55	21.94		
15+5	75	0	25	0	64-QAM	20.35	20.25	20.31	23.34	0.2158
15+5	1	0	1	24		13.15	13.09	12.94		
15+5	1	74	1	0		21.44	21.40	19.19		
15+5	75	0	25	0	256-QAM	18.54	18.58	18.52	20.56	0.1138
15+5	1	0	1	24		13.31	13.43	13.31		
15+5	1	74	1	0		18.66	18.63	18.66		
5+15	25	0	75	0	QPSK	21.34	21.29	21.23	25.19	0.3304
5+15	1	0	1	74		12.92	12.77	12.72		
5+15	1	24	1	0		23.29	23.17	22.79		
5+15	25	0	75	0	16-QAM	20.42	20.34	20.29	24.51	0.2825
5+15	1	0	1	74		13.35	13.48	13.29		
5+15	1	24	1	0		22.50	22.61	22.46		
5+15	25	0	75	0	64-QAM	20.38	20.32	20.25	23.45	0.2213
5+15	1	0	1	74		13.08	13.17	13.06		
5+15	1	24	1	0		21.46	21.55	19.67		
5+15	25	0	75	0	256-QAM	18.48	18.54	18.55	20.61	0.1151
5+15	1	0	1	74		13.29	13.39	13.36		
5+15	1	24	1	0		18.61	18.71	18.64		
Limit	EIRP < 1W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG1D1645-01B

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+5	50	0	25	0	QPSK	21.30	21.21	21.34	25.11	0.3243
10+5	1	0	1	24		13.32	13.08	13.17		
10+5	1	49	1	0		23.13	23.09	23.21		
10+5	50	0	25	0	16-QAM	20.30	20.33	20.34	24.60	0.2884
10+5	1	0	1	24		13.88	13.67	13.79		
10+5	1	49	1	0		22.60	22.51	22.70		
10+5	50	0	25	0	64-QAM	20.31	20.10	20.26	23.45	0.2213
10+5	1	0	1	24		13.68	13.44	13.55		
10+5	1	49	1	0		21.55	21.38	20.67		
10+5	50	0	25	0	256-QAM	18.58	18.55	18.54	20.62	0.1153
10+5	1	0	1	24		13.33	13.32	13.37		
10+5	1	49	1	0		18.72	18.68	18.69		
5+10	25	0	50	0	QPSK	21.36	21.26	21.32	25.18	0.3296
5+10	1	0	1	49		13.24	13.28	13.27		
5+10	1	24	1	0		23.22	23.28	23.20		
5+10	25	0	50	0	16-QAM	20.24	20.25	20.27	24.64	0.2911
5+10	1	0	1	49		13.61	13.94	13.75		
5+10	1	24	1	0		22.72	22.74	22.63		
5+10	25	0	50	0	64-QAM	20.23	20.23	20.10	23.46	0.2218
5+10	1	0	1	49		13.42	13.68	13.58		
5+10	1	24	1	0		21.16	21.56	20.26		
5+10	25	0	50	0	256-QAM	18.51	18.54	18.53	20.63	0.1156
5+10	1	0	1	49		13.26	13.25	13.36		
5+10	1	24	1	0		18.73	18.68	18.71		
5+5	25	0	25	0	QPSK	21.36	21.25	21.23	25.11	0.3243
5+5	1	0	1	24		13.28	13.20	13.19		
5+5	1	24	1	0		23.21	23.09	23.17		
5+5	25	0	25	0	16-QAM	20.49	20.47	20.18	24.60	0.2884
5+5	1	0	1	24		13.82	13.63	13.82		
5+5	1	24	1	0		22.66	22.70	22.62		
5+5	25	0	25	0	64-QAM	20.33	20.34	20.25	23.39	0.2183
5+5	1	0	1	24		13.63	13.50	13.74		
5+5	1	24	1	0		21.29	21.49	21.38		
5+5	25	0	25	0	256-QAM	18.51	18.56	18.51	20.57	0.1140
5+5	1	0	1	24		13.29	13.42	13.39		
5+5	1	24	1	0		18.64	18.62	18.67		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	22.77	22.76	22.68	25.09	0.3228
20+20	1	0	1	99		14.50	14.47	14.38		
20+20	1	99	1	0		23.06	22.93	23.19		
20+20	100	0	100	0	16-QAM	21.62	21.56	21.58	25.42	0.3483
20+20	1	0	1	99		14.20	14.30	14.28		
20+20	1	99	1	0		23.52	2.41	23.20		
20+20	100	0	100	0	64-QAM	21.14	21.09	21.19	24.10	0.2570
20+20	1	0	1	99		14.14	14.15	14.05		
20+20	1	99	1	0		21.87	22.20	21.57		
20+20	100	0	100	0	256-QAM	19.69	19.46	19.66	21.64	0.1459
20+20	1	0	1	99		16.36	16.32	16.38		
20+20	1	99	1	0		19.36	19.74	19.37		
20+15	100	0	75	0	QPSK	21.78	21.77	21.68	25.41	0.3475
20+15	1	0	1	74		15.30	15.23	15.20		
20+15	1	74	1	0		23.51	23.37	23.36		
20+15	100	0	75	0	16-QAM	20.98	20.78	20.88	24.88	0.3076
20+15	1	0	1	74		15.66	15.61	15.64		
20+15	1	74	1	0		22.98	22.90	22.91		
20+15	100	0	75	0	64-QAM	20.80	20.65	20.66	22.70	0.1862
20+15	1	0	1	74		15.51	15.50	15.45		
20+15	1	74	1	0		20.59	20.40	20.49		
20+15	100	0	75	0	256-QAM	18.69	18.61	18.73	20.63	0.1156
20+15	1	0	1	74		15.37	15.43	15.30		
20+15	1	74	1	0		18.47	18.48	18.47		
15+20	75	0	100	0	QPSK	21.73	21.74	21.67	25.40	0.3467
15+20	1	0	1	99		15.27	15.30	15.13		
15+20	1	74	1	0		23.50	23.44	23.34		
15+20	75	0	100	0	16-QAM	20.84	20.85	20.96	24.82	0.3034
15+20	1	0	1	99		15.66	15.60	15.61		
15+20	1	74	1	0		22.92	22.79	22.84		
15+20	75	0	100	0	64-QAM	20.72	20.73	20.62	22.63	0.1832
15+20	1	0	1	99		15.51	15.34	15.35		
15+20	1	74	1	0		20.47	20.45	20.53		
15+20	75	0	100	0	256-QAM	18.64	18.57	18.71	20.61	0.1151
15+20	1	0	1	99		15.26	15.33	15.28		
15+20	1	74	1	0		18.41	18.49	18.50		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	50	0	QPSK	21.72	21.78	21.58	25.28	0.3373
20+10	1	0	1	49		15.30	15.27	15.22		
20+10	1	99	1	0		23.35	23.32	23.38		
20+10	100	0	50	0	16-QAM	20.91	20.97	20.86	24.88	0.3076
20+10	1	0	1	49		15.50	15.62	15.66		
20+10	1	99	1	0		22.96	22.80	22.98		
20+10	100	0	50	0	64-QAM	20.71	20.74	20.66	22.64	0.1837
20+10	1	0	1	49		15.50	15.50	15.46		
20+10	1	99	1	0		20.40	20.54	20.47		
20+10	100	0	50	0	256-QAM	18.68	18.64	18.73	20.63	0.1156
20+10	1	0	1	49		15.37	15.30	15.31		
20+10	1	99	1	0		18.53	18.42	18.48		
10+20	50	0	100	0	QPSK	21.62	21.76	21.73	25.39	0.3459
10+20	1	0	1	99		15.24	15.12	15.25		
10+20	1	49	1	0		23.49	23.39	23.45		
10+20	50	0	100	0	16-QAM	20.90	20.90	20.92	24.88	0.3076
10+20	1	0	1	99		15.59	15.52	15.47		
10+20	1	49	1	0		22.98	22.78	22.98		
10+20	50	0	100	0	64-QAM	20.80	20.71	20.71	22.70	0.1862
10+20	1	0	1	99		15.50	15.40	15.33		
10+20	1	49	1	0		20.40	20.50	20.40		
10+20	50	0	100	0	256-QAM	18.77	18.73	18.74	20.67	0.1167
10+20	1	0	1	99		15.26	15.28	15.28		
10+20	1	49	1	0		18.58	18.54	18.56		
20+5	100	0	25	0	QPSK	21.72	21.65	21.77	25.35	0.3428
20+5	1	0	1	24		15.13	15.30	15.21		
20+5	1	99	1	0		23.36	23.45	23.38		
20+5	100	0	25	0	16-QAM	20.89	20.93	20.87	24.87	0.3069
20+5	1	0	1	24		15.64	15.61	15.60		
20+5	1	99	1	0		22.78	22.97	22.90		
20+5	100	0	25	0	64-QAM	20.75	20.69	20.66	22.65	0.1841
20+5	1	0	1	24		15.36	15.48	15.39		
20+5	1	99	1	0		20.43	20.59	20.53		
20+5	100	0	25	0	256-QAM	18.77	18.72	18.64	20.67	0.1167
20+5	1	0	1	24		15.32	15.30	15.32		
20+5	1	99	1	0		18.44	18.49	18.42		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	21.60	21.76	21.74	25.37	0.3443
5+20	1	0	1	99		15.19	15.26	15.15		
5+20	1	24	1	0		23.40	23.43	23.47		
5+20	25	0	100	0	16-QAM	20.85	20.96	20.92	24.80	0.3020
5+20	1	0	1	99		15.50	15.58	15.62		
5+20	1	24	1	0		22.89	22.90	22.80		
5+20	25	0	100	0	64-QAM	20.80	20.70	20.78	22.70	0.1862
5+20	1	0	1	99		15.32	15.31	15.33		
5+20	1	24	1	0		20.55	20.42	20.42		
5+20	25	0	100	0	256-QAM	18.69	18.71	18.63	20.61	0.1151
5+20	1	0	1	99		15.47	15.44	15.22		
5+20	1	24	1	0		18.43	18.46	18.37		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	50	0	QPSK	21.60	21.61	21.61	25.34	0.3420
15+10	1	0	1	49		15.14	15.13	15.19		
15+10	1	74	1	0		23.42	23.44	23.37		
15+10	75	0	50	0	16-QAM	20.78	20.83	20.80	24.85	0.3055
15+10	1	0	1	49		15.63	15.52	15.66		
15+10	1	74	1	0		22.95	22.90	22.85		
15+10	75	0	50	0	64-QAM	20.74	20.65	20.75	22.65	0.1841
15+10	1	0	1	49		15.42	15.37	15.47		
15+10	1	74	1	0		20.57	20.42	20.50		
15+10	75	0	50	0	256-QAM	18.72	18.79	18.68	20.69	0.1172
15+10	1	0	1	49		15.30	15.28	15.34		
15+10	1	74	1	0		18.34	18.47	18.42		
10+15	50	0	75	0	QPSK	21.63	21.63	21.63	25.24	0.3342
10+15	1	0	1	74		15.30	15.22	15.12		
10+15	1	49	1	0		23.34	23.34	23.34		
10+15	50	0	75	0	16-QAM	20.86	20.95	20.91	24.88	0.3076
10+15	1	0	1	74		15.47	15.63	15.52		
10+15	1	49	1	0		22.85	22.82	22.98		
10+15	50	0	75	0	64-QAM	20.62	20.64	20.61	22.54	0.1795
10+15	1	0	1	74		15.49	15.46	15.34		
10+15	1	49	1	0		20.57	20.57	20.43		
10+15	50	0	75	0	256-QAM	18.70	18.76	18.65	20.66	0.1164
10+15	1	0	1	74		15.34	15.34	15.36		
10+15	1	49	1	0		18.39	18.40	18.31		
15+15	75	0	75	0	QPSK	21.59	21.63	21.75	25.36	0.3436
15+15	1	0	1	74		15.22	15.27	15.13		
15+15	1	74	1	0		23.44	23.46	23.41		
15+15	75	0	75	0	16-QAM	20.82	20.90	20.94	24.85	0.3055
15+15	1	0	1	74		15.46	15.62	15.49		
15+15	1	74	1	0		22.92	22.95	22.91		
15+15	75	0	75	0	64-QAM	20.64	20.64	20.71	22.61	0.1824
15+15	1	0	1	74		15.37	15.31	15.50		
15+15	1	74	1	0		20.42	20.50	20.48		
15+15	75	0	75	0	256-QAM	18.69	18.73	18.67	20.63	0.1156
15+15	1	0	1	74		15.37	15.28	15.26		
15+15	1	74	1	0		18.47	18.40	18.44		
Limit	EIRP < 1W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	23.39	23.35	23.33	25.29	0.3381
20+20	1	0	1	99		16.61	16.51	16.51		
20+20	1	99	1	0		22.39	22.60	22.50		
20+20	100	0	100	0	16-QAM	21.76	21.69	21.76	25.24	0.3342
20+20	1	0	1	99		17.20	17.01	17.01		
20+20	1	99	1	0		23.30	23.33	23.34		
20+20	100	0	100	0	64-QAM	21.21	21.07	21.26	23.29	0.2133
20+20	1	0	1	99		17.11	17.11	17.06		
20+20	1	99	1	0		21.32	21.33	21.39		
20+20	100	0	100	0	256-QAM	19.84	19.85	19.82	21.75	0.1496
20+20	1	0	1	99		16.57	16.54	16.51		
20+20	1	99	1	0		19.78	19.82	19.74		
20+15	100	0	75	0	QPSK	21.73	21.72	21.79	25.18	0.3296
20+15	1	0	1	74		14.97	15.10	14.95		
20+15	1	99	1	0		23.22	23.18	23.28		
20+15	100	0	75	0	16-QAM	20.79	20.82	20.72	24.92	0.3105
20+15	1	0	1	74		15.85	15.75	15.95		
20+15	1	99	1	0		23.01	23.02	22.96		
20+15	100	0	75	0	64-QAM	20.52	20.54	20.69	22.59	0.1816
20+15	1	0	1	74		15.40	15.33	15.41		
20+15	1	99	1	0		20.09	20.11	19.95		
20+15	100	0	75	0	256-QAM	18.07	18.05	18.11	20.01	0.1002
20+15	1	0	1	74		14.65	14.71	15.02		
20+15	1	99	1	0		17.94	17.93	18.03		
15+20	75	0	100	0	QPSK	21.72	21.62	21.71	25.18	0.3296
15+20	1	0	1	99		14.93	15.08	14.88		
15+20	1	74	1	0		23.18	23.18	23.28		
15+20	75	0	100	0	16-QAM	20.74	20.75	20.71	24.88	0.3076
15+20	1	0	1	99		15.83	15.70	15.93		
15+20	1	74	1	0		22.98	22.95	22.86		
15+20	75	0	100	0	64-QAM	20.52	20.46	20.69	22.59	0.1816
15+20	1	0	1	99		15.40	15.33	15.34		
15+20	1	74	1	0		20.01	20.01	19.88		
15+20	75	0	100	0	256-QAM	18.09	17.99	18.06	19.99	0.0998
15+20	1	0	1	99		14.75	14.68	14.71		
15+20	1	74	1	0		17.92	17.94	17.88		
Limit	EIRP < 2W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	21.62	21.59	21.69	25.12	0.3251
20+10	1	0	1	74		14.86	15.04	14.88		
20+10	1	99	1	0		23.18	23.11	23.22		
20+10	100	0	75	0	16-QAM	20.74	20.69	20.63	24.85	0.3055
20+10	1	0	1	74		15.83	15.67	15.88		
20+10	1	99	1	0		22.95	22.91	22.76		
20+10	100	0	75	0	64-QAM	20.50	20.40	20.67	22.57	0.1807
20+10	1	0	1	74		15.31	15.33	15.29		
20+10	1	99	1	0		19.92	20.01	19.81		
20+10	100	0	75	0	256-QAM	18.09	18.04	18.14	20.04	0.1009
20+10	1	0	1	74		14.73	14.74	14.65		
20+10	1	99	1	0		17.92	17.99	17.98		
10+20	75	0	100	0	QPSK	21.59	21.53	21.61	25.08	0.3221
10+20	1	0	1	99		14.77	14.95	14.87		
10+20	1	74	1	0		23.18	23.08	23.12		
10+20	75	0	100	0	16-QAM	20.71	20.66	20.63	24.83	0.3041
10+20	1	0	1	99		15.73	15.67	15.79		
10+20	1	74	1	0		22.93	22.87	22.69		
10+20	75	0	100	0	64-QAM	20.41	20.34	20.57	22.47	0.1766
10+20	1	0	1	99		15.25	15.31	15.29		
10+20	1	74	1	0		19.82	20.01	19.74		
10+20	75	0	100	0	256-QAM	18.06	18.08	18.11	20.01	0.1002
10+20	1	0	1	99		14.69	14.61	14.75		
10+20	1	74	1	0		17.89	17.95	17.98		
15+15	75	0	100	0	QPSK	21.58	21.50	21.53	24.98	0.3148
15+15	1	0	1	99		14.77	14.94	14.87		
15+15	1	74	1	0		23.08	23.01	23.03		
15+15	75	0	100	0	16-QAM	20.64	20.57	20.63	24.78	0.3006
15+15	1	0	1	99		15.63	15.65	15.76		
15+15	1	74	1	0		22.88	22.87	22.65		
15+15	75	0	100	0	64-QAM	20.41	20.34	20.57	22.47	0.1766
15+15	1	0	1	99		15.25	15.22	15.23		
15+15	1	74	1	0		19.72	19.92	19.70		
15+15	75	0	100	0	256-QAM	17.99	18.08	18.09	19.99	0.0998
15+15	1	0	1	99		14.64	14.70	14.81		
15+15	1	74	1	0		17.73	17.95	17.97		
Limit	EIRP < 2W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	21.56	21.48	21.43	24.96	0.3133
15+10	1	0	1	99		14.68	14.93	14.85		
15+10	1	74	1	0		23.06	22.95	22.96		
15+10	75	0	100	0	16-QAM	20.64	20.48	20.57	24.74	0.2979
15+10	1	0	1	99		15.56	15.55	15.68		
15+10	1	74	1	0		22.84	22.77	22.55		
15+10	75	0	100	0	64-QAM	20.34	20.32	20.50	22.40	0.1738
15+10	1	0	1	99		15.21	15.12	15.19		
15+10	1	74	1	0		19.64	19.91	19.64		
15+10	75	0	100	0	256-QAM	18.02	18.09	18.06	19.99	0.0998
15+10	1	0	1	99		14.79	14.68	14.72		
15+10	1	74	1	0		17.91	17.94	17.95		
Limit	EIRP < 2W					Result			Pass	



LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	22.92	22.94	22.88	24.84	0.3048
20+20	1	0	1	99		15.81	15.81	15.83		
20+20	1	99	1	0		22.38	22.47	22.73		
20+20	100	0	100	0	16-QAM	21.63	21.56	21.64	25.24	0.3342
20+20	1	0	1	99		15.78	15.77	16.01		
20+20	1	99	1	0		23.34	23.03	22.03		
20+20	100	0	100	0	64-QAM	21.56	21.51	21.54	25.06	0.3206
20+20	1	0	1	99		15.34	15.36	15.61		
20+20	1	99	1	0		23.05	23.16	23.01		
20+20	100	0	100	0	256-QAM	19.62	19.61	19.62	21.71	0.1483
20+20	1	0	1	99		16.54	16.56	16.58		
20+20	1	99	1	0		19.75	19.77	19.81		
15+15	75	0	75	0	QPSK	21.85	21.78	21.71	25.23	0.3334
15+15	1	0	1	74		15.09	14.95	15.10		
15+15	1	74	1	0		23.23	23.31	23.33		
15+15	75	0	75	0	16-QAM	20.74	20.59	20.58	24.81	0.3027
15+15	1	0	1	74		15.70	15.64	15.61		
15+15	1	74	1	0		22.73	22.91	22.65		
15+15	75	0	75	0	64-QAM	20.83	20.56	20.47	23.59	0.2286
15+15	1	0	1	74		15.49	15.29	15.15		
15+15	1	74	1	0		21.56	21.69	21.51		
15+15	75	0	75	0	256-QAM	18.76	18.88	18.81	20.93	0.1239
15+15	1	0	1	74		15.71	15.76	15.73		
15+15	1	74	1	0		19.03	19.01	18.96		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	22.54	22.58	22.42	25.42	0.3483
20+20	1	0	1	99		23.22	23.52	23.34		
20+20	1	99	1	0		22.55	22.72	22.87		
20+20	100	0	100	0	16-QAM	21.56	21.61	21.49	24.46	0.2793
20+20	1	0	1	99		21.68	22.56	22.18		
20+20	1	99	1	0		22.29	21.89	21.95		
20+20	100	0	100	0	64-QAM	21.52	21.57	21.51	23.47	0.2223
20+20	1	0	1	99		20.23	20.58	20.62		
20+20	1	99	1	0		20.32	20.53	20.53		
20+20	100	0	100	0	256-QAM	19.64	19.48	19.53	21.54	0.1426
20+20	1	0	1	99		16.42	16.32	16.37		
20+20	1	99	1	0		19.58	19.45	19.44		
20+15	100	0	75	0	QPSK	21.54	21.29	21.25	25.23	0.3334
20+15	1	0	1	74		15.08	14.76	14.78		
20+15	1	99	1	0		23.33	23.01	23.00		
20+15	100	0	75	0	16-QAM	20.65	20.49	20.27	24.79	0.3013
20+15	1	0	1	74		15.65	15.33	15.39		
20+15	1	99	1	0		22.89	22.63	22.53		
20+15	100	0	75	0	64-QAM	20.63	20.27	20.17	23.49	0.2234
20+15	1	0	1	74		15.29	15.04	14.88		
20+15	1	99	1	0		21.59	21.45	21.54		
20+15	100	0	75	0	256-QAM	18.77	18.52	18.49	20.67	0.1167
20+15	1	0	1	74		15.59	15.46	15.46		
20+15	1	99	1	0		18.76	18.47	18.48		
15+20	75	0	100	0	QPSK	21.53	21.27	21.24	25.30	0.3388
15+20	1	0	1	99		14.99	14.80	14.37		
15+20	1	74	1	0		23.40	23.04	22.82		
15+20	75	0	100	0	16-QAM	20.71	20.49	20.33	24.89	0.3083
15+20	1	0	1	99		15.58	15.31	15.23		
15+20	1	74	1	0		22.99	22.57	22.44		
15+20	75	0	100	0	64-QAM	20.67	20.39	20.32	23.48	0.2228
15+20	1	0	1	99		15.28	15.15	14.94		
15+20	1	74	1	0		21.58	21.48	21.19		
15+20	75	0	100	0	256-QAM	18.56	18.60	18.55	20.50	0.1122
15+20	1	0	1	99		15.43	15.41	15.54		
15+20	1	74	1	0		18.50	18.49	18.46		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	50	0	QPSK	21.47	21.13	21.09	25.26	0.3357
20+10	1	0	1	49		14.94	14.69	14.81		
20+10	1	99	1	0		23.36	23.12	22.98		
20+10	100	0	50	0	16-QAM	20.55	19.93	20.17	24.82	0.3034
20+10	1	0	1	49		15.54	15.31	15.26		
20+10	1	99	1	0		22.92	22.76	22.73		
20+10	100	0	50	0	64-QAM	20.37	20.23	20.27	23.53	0.2254
20+10	1	0	1	49		15.32	15.21	15.01		
20+10	1	99	1	0		21.63	21.58	21.03		
20+10	100	0	50	0	256-QAM	18.70	18.76	18.80	20.70	0.1175
20+10	1	0	1	49		15.31	15.61	15.55		
20+10	1	99	1	0		18.59	18.65	18.66		
10+20	50	0	100	0	QPSK	21.45	21.33	21.14	25.21	0.3319
10+20	1	0	1	99		14.83	14.79	14.74		
10+20	1	49	1	0		23.31	23.01	22.62		
10+20	50	0	100	0	16-QAM	20.34	20.58	20.26	24.84	0.3048
10+20	1	0	1	99		15.48	15.37	15.27		
10+20	1	49	1	0		22.94	22.61	22.54		
10+20	50	0	100	0	64-QAM	20.51	20.19	20.12	23.58	0.2280
10+20	1	0	1	99		15.23	15.10	14.88		
10+20	1	49	1	0		21.68	21.51	21.37		
10+20	50	0	100	0	256-QAM	18.81	18.76	18.52	20.71	0.1178
10+20	1	0	1	99		15.54	15.57	15.46		
10+20	1	49	1	0		18.70	18.61	18.49		
20+5	100	0	25	0	QPSK	21.60	21.17	21.75	25.37	0.3443
20+5	1	0	1	24		15.10	15.03	15.24		
20+5	1	99	1	0		23.31	23.27	23.47		
20+5	100	0	25	0	16-QAM	20.64	20.39	20.89	24.99	0.3155
20+5	1	0	1	24		15.71	15.32	15.59		
20+5	1	99	1	0		22.93	22.79	23.09		
20+5	100	0	25	0	64-QAM	20.65	20.34	20.75	23.55	0.2265
20+5	1	0	1	24		15.33	15.16	15.57		
20+5	1	99	1	0		21.65	21.61	21.34		
20+5	100	0	25	0	256-QAM	18.46	18.74	18.77	20.67	0.1167
20+5	1	0	1	24		15.40	15.57	15.53		
20+5	1	99	1	0		18.37	18.61	18.62		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.9 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	21.38	21.34	21.39	25.36	0.3436
5+20	1	0	1	99		14.93	14.83	14.73		
5+20	1	24	1	0		23.46	23.27	23.11		
5+20	25	0	100	0	16-QAM	20.51	20.51	20.29	24.92	0.3105
5+20	1	0	1	99		15.56	15.46	15.26		
5+20	1	24	1	0		23.02	22.88	22.59		
5+20	25	0	100	0	64-QAM	20.59	20.45	20.25	23.57	0.2275
5+20	1	0	1	99		15.67	15.19	14.90		
5+20	1	24	1	0		21.61	21.67	21.42		
5+20	25	0	100	0	256-QAM	18.65	18.70	18.80	20.70	0.1175
5+20	1	0	1	99		15.43	15.57	15.46		
5+20	1	24	1	0		18.54	18.56	18.67		
15+10	75	0	50	0	QPSK	21.23	21.41	21.24	25.29	0.3381
15+10	1	0	1	49		15.06	15.01	14.77		
15+10	1	74	1	0		23.39	23.25	22.98		
15+10	75	0	50	0	16-QAM	20.45	20.56	20.23	24.82	0.3034
15+10	1	0	1	49		15.61	15.54	15.31		
15+10	1	74	1	0		22.92	22.81	22.51		
15+10	75	0	50	0	64-QAM	20.53	20.53	20.13	23.52	0.2249
15+10	1	0	1	49		15.30	15.31	14.99		
15+10	1	74	1	0		21.55	21.62	21.11		
15+10	75	0	50	0	256-QAM	18.71	18.54	18.80	20.70	0.1175
15+10	1	0	1	49		15.57	15.36	15.56		
15+10	1	74	1	0		18.59	18.43	18.67		
10+15	50	0	75	0	QPSK	21.46	21.30	21.27	25.13	0.3258
10+15	1	0	1	74		15.19	15.02	14.62		
10+15	1	49	1	0		23.23	22.87	22.98		
10+15	50	0	75	0	16-QAM	20.68	20.43	20.33	24.84	0.3048
10+15	1	0	1	74		15.71	15.62	15.34		
10+15	1	49	1	0		22.94	22.45	22.52		
10+15	50	0	75	0	64-QAM	20.66	20.57	20.25	23.67	0.2328
10+15	1	0	1	74		15.38	15.22	15.02		
10+15	1	49	1	0		21.77	21.50	21.43		
10+15	50	0	75	0	256-QAM	18.59	18.80	18.70	20.70	0.1175
10+15	1	0	1	74		15.44	15.67	15.53		
10+15	1	49	1	0		18.50	18.72	18.55		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.9 dB)										
15+15	75	0	75	0	QPSK	21.48	21.19	21.18	24.97	0.3141
15+15	1	0	1	74		15.02	14.84	14.45		
15+15	1	74	1	0		23.07	23.03	22.80		
15+15	75	0	75	0	16-QAM	20.56	20.21	20.17	24.63	0.2904
15+15	1	0	1	74		15.23	15.43	14.98		
15+15	1	74	1	0		22.58	22.73	22.25		
15+15	75	0	75	0	64-QAM	20.58	20.33	19.95	23.29	0.2133
15+15	1	0	1	74		14.97	15.09	14.58		
15+15	1	74	1	0		21.36	21.39	21.00		
15+15	75	0	75	0	256-QAM	18.62	18.70	18.77	20.67	0.1167
15+15	1	0	1	74		15.56	15.56	15.51		
15+15	1	74	1	0		18.55	18.61	18.60		
Limit	EIRP < 2W					Result			Pass	



Appendix B. Test Results of Radiated Test

LTE Band 25

LTE Band 25 / 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	-59.21	-13	-46.21	-73.62	-68.85	2.77	12.40	H
	5553	-58.67	-13	-45.67	-77.052	-68.60	3.46	13.39	H
	7404	-53.94	-13	-40.94	-77.7	-61.14	3.98	11.18	H
									H
	3702	-56.85	-13	-43.85	-71.67	-66.49	2.77	12.40	V
	5553	-58.41	-13	-45.41	-76.83	-68.34	3.46	13.39	V
	7404	-53.47	-13	-40.47	-77.71	-60.67	3.98	11.18	V
									V
Middle	3742	-59.59	-13	-46.59	-74.13	-69.30	2.78	12.48	H
	5613	-58.89	-13	-45.89	-77.13	-68.76	3.48	13.35	H
	7484	-54.52	-13	-41.52	-78.31	-61.69	4.00	11.17	H
									H
	3742	-60.12	-13	-47.12	-74.06	-69.83	2.78	12.48	V
	5613	-57.81	-13	-44.81	-76.27	-67.68	3.48	13.35	V
	7484	-53.75	-13	-40.75	-77.91	-60.92	4.00	11.17	V
									V
Highest	3791	-59.39	-13	-46.39	-74.08	-69.02	2.79	12.42	H
	5688	-58.64	-13	-45.64	-77.31	-68.57	3.50	13.42	H
	7584	-54.34	-13	-41.34	-77.73	-61.65	4.03	11.34	H
									H
	3791	-58.35	-13	-45.35	-73.42	-67.98	2.79	12.42	V
	5688	-58.66	-13	-45.66	-77.56	-68.59	3.50	13.42	V
	7584	-53.82	-13	-40.82	-77.73	-61.13	4.03	11.34	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	-61.57	-13	-48.57	-74.91	-71.49	2.68	12.60	H
	5133	-59.91	-13	-46.91	-77.45	-69.02	3.32	12.43	H
	6844	-55.68	-13	-42.68	-77.83	-64.22	3.86	12.40	H
									H
	3422	-59.28	-13	-46.28	-72.99	-69.20	2.68	12.60	V
	5133	-58.82	-13	-45.82	-76.91	-67.93	3.32	12.43	V
	6844	-55.46	-13	-42.46	-77.97	-64.00	3.86	12.40	V
									V
Middle	3469	-61.24	-13	-48.24	-74.96	-71.06	2.71	12.52	H
	5208	-59.52	-13	-46.52	-77.31	-69.04	3.34	12.86	H
	6944	-54.74	-13	-41.74	-77.24	-62.85	3.89	12.00	H
									H
	3469	-59.94	-13	-46.94	-74.03	-69.76	2.71	12.52	V
	5208	-58.42	-13	-45.42	-76.69	-67.94	3.34	12.86	V
	6944	-54.78	-13	-41.78	-77.32	-62.89	3.89	12.00	V
									V
Highest	3525	-57.84	-13	-44.84	-71.83	-67.41	2.73	12.30	H
	5283	-59.56	-13	-46.56	-77.37	-69.52	3.37	13.33	H
	7044	-54.42	-13	-41.42	-77.18	-62.14	3.92	11.64	H
									H
	3525	-56.82	-13	-43.82	-71.2	-66.39	2.73	12.30	V
	5283	-59.29	-13	-46.29	-77.45	-69.25	3.37	13.33	V
	7044	-54.32	-13	-41.32	-77.06	-62.04	3.92	11.64	V
									V

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

LTE Band 66B

LTE Band 66B/ 10MHz+10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3440	-59.74	-13	-46.74	-73.23	-69.65	2.69	12.60	H
	5160	-59.21	-13	-46.21	-76.85	-68.44	3.33	12.56	H
	6880	-55.08	-13	-42.08	-77.35	-63.37	3.87	12.16	H
									H
	3440	-58.71	-13	-45.71	-72.57	-68.62	2.69	12.60	V
	5160	-58.73	-13	-45.73	-76.9	-67.96	3.33	12.56	V
	6880	-54.68	-13	-41.68	-77.2	-62.97	3.87	12.16	V
									V
Middle	3510	-58.90	-13	-45.90	-72.87	-68.54	2.72	12.36	H
	5265	-59.42	-13	-46.42	-77.22	-69.31	3.37	13.26	H
	7020	-53.97	-13	-40.97	-76.7	-61.84	3.91	11.78	H
									H
	3510	-58.42	-13	-45.42	-72.77	-68.06	2.72	12.36	V
	5265	-58.40	-13	-45.40	-76.59	-68.29	3.37	13.26	V
	7020	-54.14	-13	-41.14	-76.78	-62.01	3.91	11.78	V
									V
Highest	3540	-59.41	-13	-46.41	-73.42	-68.92	2.73	12.24	H
	5310	-59.24	-13	-46.24	-77.04	-69.28	3.38	13.42	H
	7080	-53.68	-13	-40.68	-76.49	-61.24	3.92	11.48	H
									H
	3540	-57.43	-13	-44.43	-71.84	-66.94	2.73	12.24	V
	5310	-57.30	-13	-44.30	-75.41	-67.34	3.38	13.42	V
	7080	-53.82	-13	-40.82	-76.7	-61.38	3.92	11.48	V
									V

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

**LTE Band 66C**

LTE Band 66C/ 20MHz + 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	3460	-62.58	-13	-49.58	-76.23	-72.44	2.70	12.56	H
	5190	-59.42	-13	-46.42	-77.18	-68.82	3.34	12.74	H
	6920	-54.55	-13	-41.55	-76.96	-62.67	3.88	12.00	H
									H
	3460	-62.17	-13	-49.17	-76.19	-72.03	2.70	12.56	V
	5190	-58.68	-13	-45.68	-76.94	-68.08	3.34	12.74	V
	6920	-54.46	-13	-41.46	-76.99	-62.58	3.88	12.00	V
									V
Middle	3510	-61.69	-13	-48.69	-75.66	-71.33	2.72	12.36	H
	5265	-59.29	-13	-46.29	-77.09	-69.18	3.37	13.26	H
	7020	-53.95	-13	-40.95	-76.68	-61.82	3.91	11.78	H
									H
	3510	-61.44	-13	-48.44	-75.79	-71.08	2.72	12.36	V
	5265	-58.26	-13	-45.26	-76.45	-68.15	3.37	13.26	V
	7020	-53.86	-13	-40.86	-76.5	-61.73	3.91	11.78	V
									V
Highest	3520	-61.87	-13	-48.87	-75.85	-71.47	2.72	12.32	H
	5280	-59.51	-13	-46.51	-77.32	-69.46	3.37	13.32	H
	7040	-54.11	-13	-41.11	-76.86	-61.85	3.92	11.66	H
									H
	3520	-61.52	-13	-48.52	-75.89	-71.12	2.72	12.32	V
	5280	-58.11	-13	-45.11	-76.27	-68.06	3.37	13.32	V
	7040	-53.80	-13	-40.80	-76.52	-61.54	3.92	11.66	V
									V

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

**LTE Band 5B**

LTE Band 5B / 10MHz+10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1664	-63.99	-13	-50.99	-70.68	-69.38	1.84	9.38	H
	2504	-55.98	-13	-42.98	-66.83	-62.37	2.26	10.80	H
	3336	-63.16	-13	-50.16	-75.65	-70.96	2.64	12.59	H
									H
	1664	-64.84	-13	-51.84	-72	-70.23	1.84	9.38	V
	2504	-54.21	-13	-41.21	-65.13	-60.60	2.26	10.80	V
	3336	-62.73	-13	-49.73	-75.62	-70.53	2.64	12.59	V
									V
Middle	1672	-62.62	-13	-49.62	-69.36	-68.06	1.85	9.43	H
	2512	-53.61	-13	-40.61	-64.43	-59.99	2.27	10.80	H
	3344	-63.34	-13	-50.34	-75.81	-71.20	2.65	12.65	H
									H
	1672	-63.10	-13	-50.10	-70.31	-68.54	1.85	9.43	V
	2512	-51.81	-13	-38.81	-62.73	-58.19	2.27	10.80	V
	3344	-62.64	-13	-49.64	-75.5	-70.50	2.65	12.65	V
									V
Highest	1680	-62.93	-13	-49.93	-69.73	-68.41	1.85	9.48	H
	2520	-51.68	-13	-38.68	-62.47	-58.06	2.27	10.80	H
	3352	-63.29	-13	-50.29	-75.73	-71.19	2.65	12.70	H
									H
	1680	-64.22	-13	-51.22	-71.49	-69.70	1.85	9.48	V
	2520	-53.71	-13	-40.71	-64.65	-60.09	2.27	10.80	V
	3352	-62.74	-13	-49.74	-75.56	-70.64	2.65	12.70	V
									V

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

**LTE Band 26**

LTE Band 26 / 1.4MHz / 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	1648	-64.96	-13	-51.96	-71.56	-70.26	1.83	9.28	H
	2472	-63.53	-13	-50.53	-74.2	-69.76	2.25	10.63	H
	3297	-62.34	-13	-49.34	-74.95	-69.86	2.62	12.29	H
									H
	1648	-64.49	-13	-51.49	-71.55	-69.79	1.83	9.28	V
	2472	-61.51	-13	-48.51	-72.41	-67.74	2.25	10.63	V
	3297	-62.09	-13	-49.09	-75.1	-69.61	2.62	12.29	V
									V
Middle	1672	-61.59	-13	-48.59	-68.33	-67.03	1.85	9.43	H
	2508	-63.41	-13	-50.41	-74.25	-69.80	2.26	10.80	H
	3344	-62.78	-13	-49.78	-75.25	-70.64	2.65	12.65	H
									H
	1672	-63.81	-13	-50.81	-71.02	-69.25	1.85	9.43	V
	2508	-61.39	-13	-48.39	-72.32	-67.78	2.26	10.80	V
	3344	-62.49	-13	-49.49	-75.35	-70.35	2.65	12.65	V
									V
Highest	1696	-60.61	-13	-47.61	-67.5	-66.18	1.86	9.58	H
	2543	-63.65	-13	-50.65	-74.35	-70.02	2.28	10.80	H
	3391	-63.44	-13	-50.44	-75.77	-71.24	2.67	12.62	H
									H
	1696	-62.62	-13	-49.62	-69.99	-68.19	1.86	9.58	V
	2543	-63.28	-13	-50.28	-74.29	-69.65	2.28	10.80	V
	3391	-63.11	-13	-50.11	-75.81	-70.91	2.67	12.62	V
									V

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



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	-66.16	-13	-53.16	-72.76	-71.46	1.83	9.28	H
	2474	-63.67	-13	-50.67	-74.35	-69.92	2.25	10.64	H
	3299	-62.22	-13	-49.22	-74.82	-69.74	2.62	12.30	H
									H
	1648	-65.80	-13	-52.80	-72.86	-71.10	1.83	9.28	V
	2474	-63.14	-13	-50.14	-74.04	-69.39	2.25	10.64	V
	3299	-61.77	-13	-48.77	-74.78	-69.29	2.62	12.30	V
									V
Middle	1656	-65.29	-13	-52.29	-71.94	-70.64	1.84	9.34	H
	2489	-63.49	-13	-50.49	-74.28	-69.82	2.25	10.73	H
	3319	-62.53	-13	-49.53	-75.07	-70.20	2.63	12.45	H
									H
	1656	-65.38	-13	-52.38	-72.49	-70.73	1.84	9.34	V
	2489	-63.49	-13	-50.49	-74.39	-69.82	2.25	10.73	V
	3319	-62.06	-13	-49.06	-75	-69.73	2.63	12.45	V
									V
Highest	1672	-64.56	-13	-51.56	-71.3	-70.00	1.85	9.43	H
	2504	-63.76	-13	-50.76	-74.61	-70.15	2.26	10.80	H
	3339	-62.60	-13	-49.60	-75.08	-70.42	2.64	12.61	H
									H
	1672	-65.42	-13	-52.42	-72.63	-70.86	1.85	9.43	V
	2504	-63.22	-13	-50.22	-74.14	-69.61	2.26	10.80	V
	3339	-62.13	-13	-49.13	-75	-69.95	2.64	12.61	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)	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	5002	-58.63	-25	-33.63	-75.66	-67.95	3.27	12.59	H
	7503	-54.10	-25	-29.10	-77.88	-61.30	4.00	11.20	H
	10004	-49.62	-25	-24.62	-76.2	-56.16	4.67	11.21	H
									H
	5002	-55.07	-25	-30.07	-72.78	-64.39	3.27	12.59	V
	7503	-52.93	-25	-27.93	-77.06	-60.13	4.00	11.20	V
	10004	-50.02	-25	-25.02	-76.36	-56.56	4.67	11.21	V
									V
Middle	5052	-58.41	-25	-33.41	-75.64	-67.52	3.29	12.40	H
	7578	-54.36	-25	-29.36	-77.78	-61.64	4.03	11.31	H
	10107	-49.79	-25	-24.79	-76.62	-56.48	4.70	11.39	H
									H
	5052	-54.55	-25	-29.55	-72.41	-63.66	3.29	12.40	V
	7578	-53.74	-25	-28.74	-77.66	-61.02	4.03	11.31	V
	10107	-50.05	-25	-25.05	-76.45	-56.74	4.70	11.39	V
									V
Highest	5100	-59.39	-25	-34.39	-76.8	-68.38	3.31	12.30	H
	7653	-53.95	-25	-28.95	-77.31	-61.40	4.06	11.51	H
	10206	-49.70	-25	-24.70	-76.78	-56.26	4.73	11.29	H
									H
	5100	-58.56	-25	-33.56	-76.55	-67.55	3.31	12.30	V
	7653	-53.21	-25	-28.21	-77.1	-60.66	4.06	11.51	V
	10206	-50.12	-25	-25.12	-76.6	-56.68	4.73	11.29	V
									V

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

**LTE Band 7C**

LTE Band 7 / 20MHz+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	5040	-59.92	-25	-34.92	-77.1	-69.08	3.28	12.44	H
	7560	-54.61	-25	-29.61	-78.11	-61.83	4.02	11.24	H
	10080	-49.80	-25	-24.80	-76.56	-56.47	4.69	11.36	H
									H
	5040	-59.19	-25	-34.19	-77.01	-68.35	3.28	12.44	V
	7560	-54.16	-25	-29.16	-78.13	-61.38	4.02	11.24	V
	10080	-50.39	-25	-25.39	-76.78	-57.06	4.69	11.36	V
									V
Middle	5070	-59.94	-25	-34.94	-77.24	-69.00	3.30	12.36	H
	7605	-54.19	-25	-29.19	-77.5	-61.56	4.04	11.41	H
	10140	-49.70	-25	-24.70	-76.62	-56.35	4.71	11.36	H
									H
	5070	-59.59	-25	-34.59	-77.5	-68.65	3.30	12.36	V
	7605	-53.83	-25	-28.83	-77.69	-61.20	4.04	11.41	V
	10140	-50.02	-25	-25.02	-76.45	-56.67	4.71	11.36	V
									V
Highest	5100	-59.20	-25	-34.20	-76.61	-68.19	3.31	12.30	H
	7650	-53.54	-25	-28.54	-76.89	-60.99	4.05	11.50	H
	10200	-49.30	-25	-24.30	-76.36	-55.87	4.73	11.30	H
									H
	5100	-59.16	-25	-34.16	-77.15	-68.15	3.31	12.30	V
	7650	-53.01	-25	-28.01	-76.9	-60.46	4.05	11.50	V
	10200	-49.78	-25	-24.78	-76.25	-56.35	4.73	11.30	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)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-59.64	-25	-34.64	-77.21	-68.79	3.32	12.47	H
	7713	-53.35	-25	-28.35	-76.77	-60.95	4.08	11.68	H
	10284	-49.04	-25	-24.04	-76.31	-55.42	4.76	11.13	H
									H
	5142	-57.92	-25	-32.92	-76.04	-67.07	3.32	12.47	V
	7713	-53.25	-25	-28.25	-77.18	-60.85	4.08	11.68	V
	10284	-49.62	-25	-24.62	-76.15	-56.00	4.76	11.13	V
									V
Middle	5172	-59.54	-25	-34.54	-77.23	-68.84	3.33	12.63	H
	7758	-54.03	-25	-29.03	-77.48	-61.79	4.09	11.85	H
	10344	-49.04	-25	-24.04	-76.47	-55.15	4.77	10.88	H
									H
	5172	-58.83	-25	-33.83	-77.04	-68.13	3.33	12.63	V
	7758	-53.51	-25	-28.51	-77.47	-61.27	4.09	11.85	V
	10344	-49.91	-25	-24.91	-76.49	-56.02	4.77	10.88	V
									V
Highest	5202	-59.05	-25	-34.05	-76.85	-68.52	3.34	12.82	H
	7803	-53.24	-25	-28.24	-76.75	-60.72	4.11	11.59	H
	10404	-49.32	-25	-24.32	-76.9	-55.14	4.79	10.61	H
									H
	5202	-59.13	-25	-34.13	-77.42	-68.60	3.34	12.82	V
	7803	-52.98	-25	-27.98	-76.97	-60.46	4.11	11.59	V
	10404	-50.38	-25	-25.38	-77	-56.20	4.79	10.61	V
									V

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

**LTE Band 38C**

LTE Band 38C / 20MHz+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)
Middle	5190	-59.79	-25	-34.79	-77.55	-69.19	3.34	12.74	H
	7785	-53.14	-25	-28.14	-76.63	-60.73	4.10	11.69	H
	10380	-49.15	-25	-24.15	-76.67	-55.07	4.78	10.70	H
									H
	5190	-58.58	-25	-33.58	-76.84	-67.98	3.34	12.74	V
	7785	-52.90	-25	-27.90	-76.88	-60.49	4.10	11.69	V
	10380	-50.09	-25	-25.09	-76.69	-56.01	4.78	10.70	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	-63.91	-13.00	-50.91	-70.49	-66.97	1.69	6.90	H
	2096	-56.61	-13.00	-43.61	-65.26	-61.92	2.07	9.53	H
	2798	-62.80	-13.00	-49.80	-74.44	-69.45	2.39	11.19	H
									H
	1400	-63.80	-13.00	-50.80	-70.57	-66.86	1.69	6.90	V
	2096	-60.90	-13.00	-47.90	-70.01	-66.21	2.07	9.53	V
	2798	-62.71	-13.00	-49.71	-74.61	-69.36	2.39	11.19	V
									V
Middle	1408	-60.66	-13.00	-47.66	-67.31	-63.78	1.69	6.96	H
	2112	-59.31	-13.00	-46.31	-68.14	-64.46	2.08	9.38	H
	2812	-63.50	-13.00	-50.50	-75.15	-70.15	2.40	11.20	H
									H
	1408	-61.40	-13.00	-48.40	-68.20	-64.52	1.69	6.96	V
	2112	-61.33	-13.00	-48.33	-70.66	-66.48	2.08	9.38	V
	2812	-63.11	-13.00	-50.11	-75.05	-69.76	2.40	11.20	V
									V
Highest	1416	-63.12	-13.00	-50.12	-69.83	-66.30	1.70	7.03	H
	2119	-63.26	-13.00	-50.26	-72.17	-68.34	2.08	9.31	H
	2826	-63.15	-13.00	-50.15	-74.80	-69.80	2.40	11.20	H
									H
	1416	-62.53	-13.00	-49.53	-69.35	-65.71	1.70	7.03	V
	2119	-63.18	-13.00	-50.18	-72.60	-68.26	2.08	9.31	V
	2824	-62.52	-13.00	-49.52	-74.48	-69.17	2.40	11.20	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	-66.33	-13	-53.33	-73.11	-71.01	1.78	8.61	H
	2328	-64.30	-13	-51.30	-74.30	-69.64	2.18	9.67	H
	3104	-63.67	-13	-50.67	-76.00	-70.30	2.53	11.31	H
									H
	1552	-66.17	-13	-53.17	-73.05	-70.85	1.78	8.61	V
	2328	-63.78	-13	-50.78	-74.49	-69.12	2.18	9.67	V
	3104	-63.02	-13	-50.02	-75.88	-69.65	2.53	11.31	V
									V
Middle	1559	-65.95	-42.15	-23.80	-72.68	-70.67	1.78	8.65	H
	2339	-64.81	-13	-51.81	-74.83	-70.21	2.19	9.73	H
	3120	-62.38	-13	-49.38	-74.76	-69.03	2.54	11.34	H
									H
	1559	-66.34	-42.15	-24.19	-73.20	-71.06	1.78	8.65	V
	2339	-64.53	-13	-51.53	-75.26	-69.93	2.19	9.73	V
	3120	-62.42	-13	-49.42	-75.33	-69.07	2.54	11.34	V
									V
Highest	1564	-66.37	-42.15	-24.22	-73.06	-71.12	1.79	8.68	H
	2347	-64.54	-13	-51.54	-74.57	-69.98	2.19	9.78	H
	3128	-63.27	-13	-50.27	-75.70	-69.93	2.54	11.36	H
									H
	1564	-65.95	-42.15	-23.80	-72.81	-70.70	1.79	8.68	V
	2347	-60.35	-13	-47.35	-71.09	-65.79	2.19	9.78	V
	3128	-62.91	-13	-49.91	-75.87	-69.57	2.54	11.36	V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-60.34	-13	-47.34	-67.14	-65.02	1.78	8.61	H
	2332	-64.55	-13	-51.55	-74.55	-69.91	2.18	9.69	H
	3112	-63.68	-13	-50.68	-76.01	-70.32	2.53	11.32	H
									H
	1552	-65.48	-13	-52.48	-72.36	-70.16	1.78	8.61	V
	2332	-63.81	-13	-50.81	-74.52	-69.17	2.18	9.69	V
	3112	-62.98	-13	-49.98	-75.85	-69.62	2.53	11.32	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)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-65.31	-13	-52.31	-71.93	-70.13	1.64	6.46	H
	1992	-57.41	-13	-44.41	-65.01	-65.28	2.03	9.90	H
	2656	-55.01	-13	-42.01	-65.8	-63.48	2.33	10.80	H
									H
	1328	-65.52	-13	-52.52	-72.13	-70.34	1.64	6.46	V
	1992	-59.26	-13	-46.26	-67.12	-67.13	2.03	9.90	V
	2656	-55.63	-13	-42.63	-66.98	-64.10	2.33	10.80	V
									V
Middle	1352	-65.79	-13	-52.79	-72.41	-70.65	1.66	6.52	H
	2024	-62.10	-13	-49.10	-69.97	-69.96	2.04	9.90	H
	2696	-57.39	-13	-44.39	-68.42	-65.84	2.35	10.80	H
									H
	1348	-65.87	-13	-52.87	-72.54	-70.71	1.65	6.50	V
	2024	-62.97	-13	-49.97	-71.15	-70.83	2.04	9.90	V
	2696	-57.84	-13	-44.84	-69.34	-66.29	2.35	10.80	V
									V
Highest	1360	-64.42	-13	-51.42	-71.03	-69.34	1.66	6.58	H
	2040	-61.16	-13	-48.16	-69.21	-69.01	2.05	9.90	H
	2712	-55.95	-13	-42.95	-67.07	-64.44	2.35	10.85	H
									H
	1360	-65.51	-13	-52.51	-72.2	-70.43	1.66	6.58	V
	2037	-60.17	-13	-47.17	-68.52	-68.02	2.05	9.90	V
	2712	-58.31	-13	-45.31	-69.87	-66.80	2.35	10.85	V
									V

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

LTE Band 41(HPUE)

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-59.51	-25	-34.51	-76.52	-68.85	3.27	12.61	H
	7491	-54.10	-25	-29.10	-77.89	-61.28	4.00	11.18	H
	9988	-49.77	-25	-24.77	-76.35	-56.28	4.67	11.18	H
									H
	4994	-56.65	-25	-31.65	-74.34	-65.99	3.27	12.61	V
	7491	-53.62	-25	-28.62	-77.78	-60.80	4.00	11.18	V
	9988	-50.27	-25	-25.27	-76.6	-56.78	4.67	11.18	V
									V
Middle	5168	-59.30	-25	-34.30	-76.97	-68.58	3.33	12.61	H
	7752	-53.94	-25	-28.94	-77.39	-61.74	4.09	11.89	H
	10336	-49.06	-25	-24.06	-76.47	-55.21	4.77	10.92	H
									H
	5168	-56.99	-25	-31.99	-75.18	-66.27	3.33	12.61	V
	7752	-53.10	-25	-28.10	-77.05	-60.90	4.09	11.89	V
	10336	-49.81	-25	-24.81	-76.38	-55.96	4.77	10.92	V
									V
Highest	5342	-53.55	-25	-28.55	-71.36	-63.64	3.39	13.48	H
	8013	-52.28	-25	-27.28	-76.47	-58.95	4.18	10.85	H
	10684	-49.15	-25	-24.15	-77	-55.36	4.86	11.07	H
									H
	5342	-53.46	-25	-28.46	-71.52	-63.55	3.39	13.48	V
	8013	-52.21	-25	-27.21	-76.53	-58.88	4.18	10.85	V
	10684	-49.76	-25	-24.76	-76.79	-55.97	4.86	11.07	V
									V

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



LTE Band 41C

LTE Band 41C / 20MHz+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)
Middle	5186	-59.53	-25	-34.53	-77.27	-68.91	3.34	12.72	H
	7779	-53.48	-25	-28.48	-76.95	-61.11	4.10	11.73	H
	10372	-48.99	-25	-23.99	-76.49	-54.95	4.78	10.74	H
									H
	5186	-58.42	-25	-33.42	-76.67	-67.80	3.34	12.72	V
	7779	-52.75	-25	-27.75	-76.72	-60.38	4.10	11.73	V
	10372	-49.92	-25	-24.92	-76.52	-55.88	4.78	10.74	V
									V

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