FCC RADIO TEST REPORT

FCC ID	:	**YY3-1102418**
Equipment	:	**Wireless Module**
Brand Name	:	**AirPrime**
Model Name	:	**EM9191**
Applicant	:	**Handheld Group AB** **Handheld Group AB, Kinnegatan 17 A, SE-531 33, Lidköping, Sweden**
Manufacturer	:	**iBASE** **11F, No. 3-1, Yuan Qu Street, Nankang, Taipei, Taiwan, R.O.C.**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

Equipment: AirPrime EM9191 tested inside of Handheld Group ALGIZ 10XR.

The product was received on Oct. 17, 2022 and testing was performed from Nov. 05, 2022 to Apr. 26, 2023. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FG261002B	01	Initial issue of report	Mar. 23, 2023
FG261002B	02	Add data of LTE Band 7, 38 and 41 This report is an updated version, replacing the report issued on Mar. 23, 2023.	Apr. 27, 2023
FG261002B	03	Revise Antenna Gain and Appenidx A This report is an updated version, replacing the report issued on Apr. 27, 2023.	May 22, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 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

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	18.41 dB under the limit at 1560.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
Remark: The Original module (Model: EM9190) was performed with an antenna of higher gain, and the antenna was connected to the module in an open environment. The current host platform under application uses an antenna with lower gain and is installed inside the host platform enclosure. The physical restraints introduced by the host platform should have resulted in equal or lower level of radiated emission. Therefore, based on each rule part retest worst band for radiated emission test.				

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

Reviewed by: Sheng Kuo

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Installed into Host	Equipment Name: ALGIZ 10XR Brand Name: Handheld Group Model Name: ALGIZ 10XR Marketing Name: ALGIZ 10XR
Equipment	Wireless Module
Brand Name	AirPrime
Model Name	EM9191
FCC ID	YY3-1102418
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: AirPrime EM9191 tested inside of Handheld Group ALGIZ 10XR.

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: 1850.7 MHz ~ 1914.3 MHz LTE Band 26: 824.7 MHz ~ 848.3 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz 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: 2622.5 MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 17: 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7 MHz ~ 1994.3 MHz LTE Band 26: 869.7 MHz ~ 893.3 MHz 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: 23.04 dBm LTE Band 4: 23.15 dBm LTE Band 5: 23.02 dBm LTE Band 7: 23.35 dBm LTE Band 7C: 23.76 dBm LTE Band 12: 23.03 dBm LTE Band 13: 22.62 dBm LTE Band 17: 23.12 dBm LTE Band 25: 23.07 dBm LTE Band 26: 22.96 dBm LTE Band 38: 23.76 dBm LTE Band 41: 23.86 dBm LTE Band 41: 25.48 dBm (HPUE) LTE Band 41C: 23.68 dBm LTE Band 66: 23.29 dBm LTE Band 71: 22.91 dBm
Antenna Type	PIFA LDS with coaxial cable Antenna
Antenna Gain	LTE Band 2: 3.89 dBi LTE Band 4: 2.39 dBi LTE Band 5: 1.25 dBi LTE Band 7: 1.42 dBi LTE Band 12: 0.51 dBi LTE Band 13: 1.38 dBi LTE Band 17: 0.51 dBi LTE Band 25: 3.95 dBi LTE Band 26: 1.25 dBi LTE Band 38: -0.37 dBi LTE Band 41: 1.42 dBi LTE Band 66: 2.24 dBi LTE Band 71: 0.41 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

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
Test Engineer	Ivy Yeh
Temperature (℃)	22~24
Relative Humidity (%)	50~53

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.**
	03CH13-HY (TAF Code: 3786)
Test Engineer	Rain Lee, Jacky Hong and Mancy Chou
Temperature (℃)	20~26
Relative Humidity (%)	45~65
Remark	The Radiated Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
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

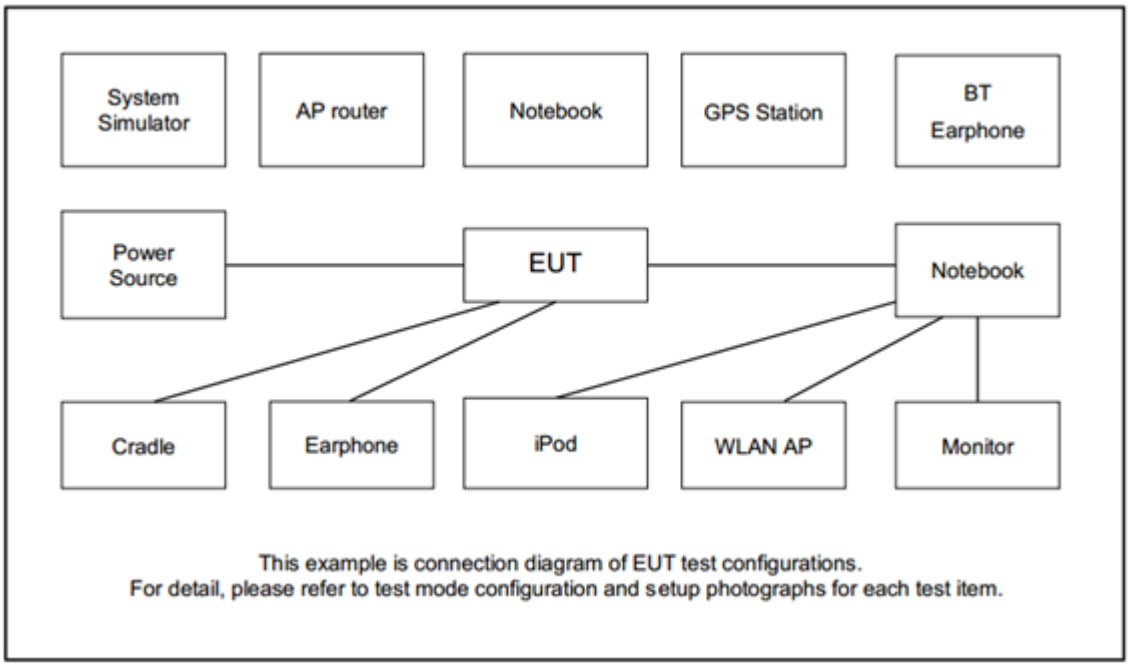
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.
For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	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				v			v				v			v	v	v
	4		v					v				v			v	v	v
	5			v		-	-	v				v			v	v	v
	12			v		-	-	v				v			v	v	v
	13			v	v	-	-	v				v			v	v	v
	41				v			v				v			v	v	v
	71	-	-	v				v				v			v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																

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	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v			v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
E.I.R.P	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	Max. Power					
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

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

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

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

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

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

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

LTE Band 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 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 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

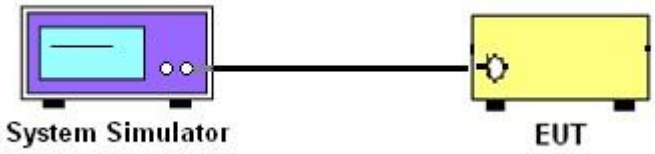
3 Conducted Test Items

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.

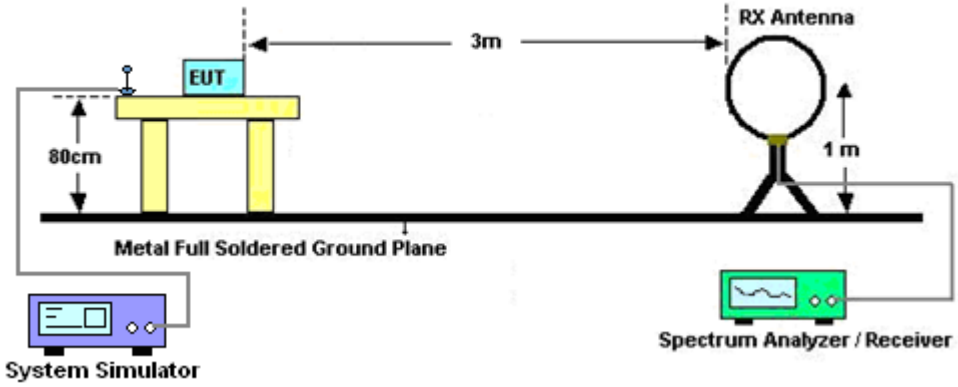
4 Radiated Test Items

4.1 Measuring Instruments

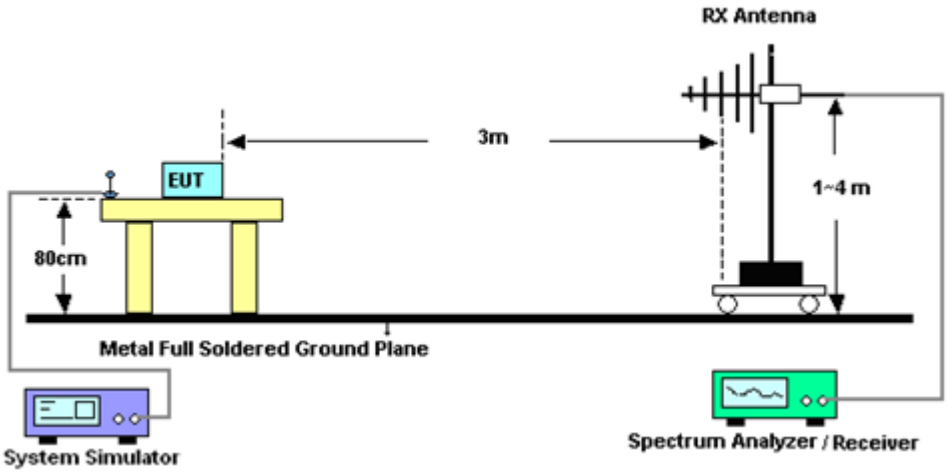
See list of measuring instruments of this test report.

4.1.1 Test Setup

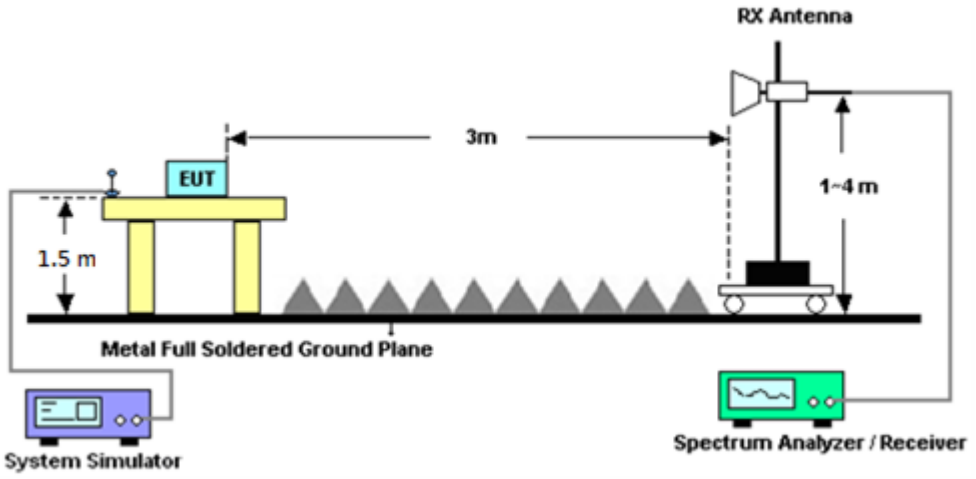
For radiated test below 30MHz



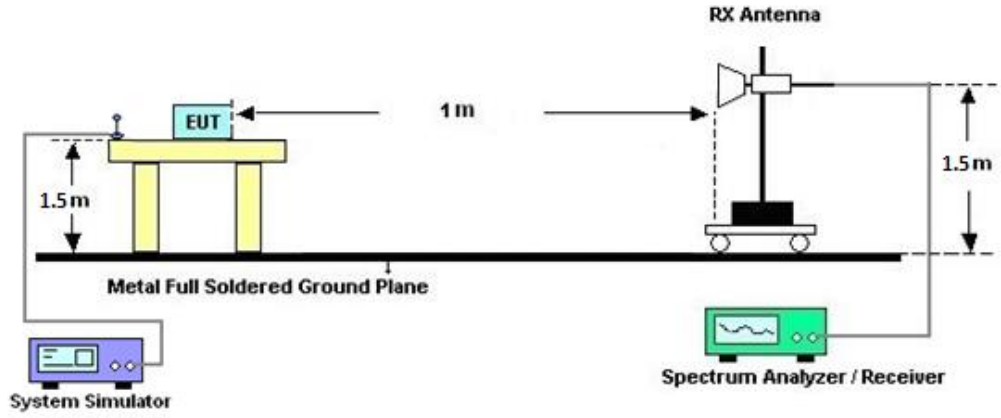
For radiated test from 30MHz to 1GHz



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

    For LTE Band 7, 38, 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 05, 2022~ Nov. 30, 2022	Sep. 19, 2023	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Nov. 05, 2022~ Nov. 30, 2022	Dec. 23, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1223	18GHz-40GHz	Jul. 05, 2022	Nov. 05, 2022~ Nov. 30, 2022	Jul. 04, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Nov. 05, 2022~ Nov. 30, 2022	Feb. 20, 2023	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Nov. 05, 2022~ Nov. 30, 2022	May 13, 2023	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 15, 2021	Nov. 05, 2022~ Nov.30, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Nov. 05, 2022~ Nov. 30, 2022	Apr. 23, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Nov. 05, 2022~ Nov. 30, 2022	Feb. 05, 2023	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200722	N/A	Mar. 22, 2022	Nov. 05, 2022~ Nov. 30, 2022	Mar. 21, 2023	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 17, 2022	Nov. 05, 2022~ Nov. 30, 2022	May 16, 2023	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 25, 2022	Nov. 05, 2022~ Nov. 30, 2022	Oct. 24, 2023	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2022	Nov. 05, 2022~ Nov. 30, 2022	Mar. 17, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 13, 2022	Nov. 05, 2022~ Nov. 30, 2022	Sep. 12, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60SS	SN3	1.2GHz High Pass Filter	Jun. 30, 2022	Nov. 05, 2022~ Nov. 30, 2022	Jun. 29, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 12, 2022	Nov. 05, 2022~ Nov. 30, 2022	Jul. 11, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Nov. 05, 2022~ Nov. 30, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Nov. 05, 2022~ Nov. 30, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9 kHz~30 MHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 30, 2022	Mar. 09, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Nov. 05, 2022~ Nov. 30, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 05, 2022~ Nov. 30, 2022	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 05, 2022~ Nov. 30, 2022	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 05, 2022~ Nov. 30, 2022	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1-18GHz	Jul. 25, 2022	Nov. 05, 2022~ Nov. 30, 2022	Jul. 24, 2023	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 10, 2022	Nov. 05, 2022~ Nov. 30, 2022	Mar. 09, 2023	Radiation (03CH13-HY)

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	May 13, 2022	Apr. 26, 2023	May 12, 2023	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Apr. 26, 2023	Jun. 27, 2023	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1223	18GHz-40GHz	Jul. 05, 2022	Apr. 26, 2023	Jul. 04, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 20, 2022	Apr. 26, 2023	Dec. 19, 2023	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Apr. 26, 2023	May 13, 2023	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 14, 2022	Apr. 26, 2023	Dec. 13, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	55606 & 08	30MHz~1GHz	Oct. 22, 2022	Apr. 26, 2023	Oct. 21, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Apr. 26, 2023	Oct. 07, 2023	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 07, 2022	Apr. 26, 2023	Nov. 06, 2023	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 17, 2022	Apr. 26, 2023	May 16, 2023	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 23, 2023	Apr. 26, 2023	Mar. 22, 2024	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 13, 2022	Apr. 26, 2023	Sep. 12, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080 -1200-15000-6 0SS	SN3	1.2GHz High Pass Filter	Jun. 30, 2022	Apr. 26, 2023	Jun. 29, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 12, 2022	Apr. 26, 2023	Jul. 11, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 08, 2023	Apr. 26, 2023	Feb. 07, 2024	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 08, 2023	Apr. 26, 2023	Feb. 07, 2024	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 08, 2023	Apr. 26, 2023	Feb. 07, 2024	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 08, 2023	Apr. 26, 2023	Feb. 07, 2024	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 26, 2023	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 26, 2023	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 26, 2023	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1-18GHz	Jul. 25, 2022	Apr. 26, 2023	Jul. 24, 2023	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1326	1GHz~18GHz	Aug. 24, 2022	Apr. 26, 2023	Aug. 23, 2023	Radiation (03CH13-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116730	LTE	Jun. 15, 2022	Nov. 21, 2022~ Nov. 25, 2022	Jun. 14, 2023	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Nov. 21, 2022~ Nov. 25, 2022	Jun. 12, 2023	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Apr. 24, 2023~ Apr. 25, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Apr. 24, 2023~ Apr. 25, 2023	Jan. 05, 2024	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.40 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.81 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.46 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.04	23.01	22.97	26.93	0.4932
20	1	49		23.00	22.97	22.84		
20	1	99		22.96	22.91	22.83		
20	50	0		22.14	22.03	21.95		
20	50	24		22.03	21.85	21.84		
20	50	50		22.06	22.07	22.03		
20	100	0		22.01	21.99	21.98		
20	1	0	16-QAM	22.26	22.29	22.27	26.18	0.4150
20	1	49		22.16	22.26	22.19		
20	1	99		22.09	22.20	22.18		
20	50	0		20.98	21.03	20.99		
20	50	24		21.08	21.05	21.00		
20	50	50		21.02	21.08	21.05		
20	100	0		21.06	21.00	20.95		
20	1	0	64-QAM	21.21	21.22	21.18	25.23	0.3334
20	1	49		21.19	21.10	21.09		
20	1	99		21.34	21.11	21.15		
20	50	0		19.93	20.03	20.01		
20	50	24		20.12	20.06	20.02		
20	50	50		20.08	20.11	20.06		
20	100	0		20.02	20.05	20.01		
20	1	0	256-QAM	18.15	18.03	18.01	22.16	0.1644
20	1	49		18.05	18.16	18.04		
20	1	99		18.17	18.19	18.07		
20	50	0		18.17	18.09	17.95		
20	50	24		18.22	18.02	17.98		
20	50	50		18.27	18.13	18.11		
20	100	0		18.21	17.85	17.99		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.97	22.99	22.79	26.88	0.4875
15	1	37		22.95	22.96	22.74		
15	1	74		22.84	22.89	22.81		
15	36	0		21.98	21.84	21.84		
15	36	20		21.97	21.66	21.73		
15	36	39		21.98	21.99	22.00		
15	75	0		21.93	21.89	21.83		
15	1	0	16-QAM	22.24	22.21	22.08	26.13	0.4102
15	1	37		22.06	22.13	22.15		
15	1	74		21.91	22.10	22.10		
15	36	0		20.84	20.94	20.90		
15	36	20		20.92	21.02	21.00		
15	36	39		20.98	21.02	21.05		
15	75	0		20.86	20.93	20.86		
15	1	0	64-QAM	21.11	21.11	21.00	25.11	0.3243
15	1	37		21.12	21.05	21.01		
15	1	74		21.22	20.94	21.15		
15	36	0		19.84	19.98	19.83		
15	36	20		20.08	19.93	19.92		
15	36	39		20.03	20.06	19.92		
15	75	0		19.85	19.90	19.90		
15	1	0	256-QAM	18.08	17.97	17.94	22.05	0.1603
15	1	37		18.03	18.01	17.94		
15	1	74		18.00	18.14	17.98		
15	36	0		18.16	17.92	17.92		
15	36	20		18.07	17.92	17.89		
15	36	39		18.13	17.98	17.95		
15	75	0		18.14	17.74	17.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.87	22.89	22.80	26.84	0.4831
10	1	25		22.83	22.95	22.71		
10	1	49		22.91	22.80	22.72		
10	25	0		22.09	21.87	21.88		
10	25	12		21.89	21.78	21.83		
10	25	25		21.92	21.91	21.96		
10	50	0		21.86	21.92	21.78		
10	1	0	16-QAM	22.23	22.17	22.14	26.12	0.4093
10	1	25		21.98	22.13	22.19		
10	1	49		21.93	22.13	22.01		
10	25	0		20.84	21.00	20.81		
10	25	12		20.95	20.94	20.93		
10	25	25		20.96	20.88	21.04		
10	50	0		21.00	20.94	20.85		
10	1	0	64-QAM	21.02	21.12	21.09	25.13	0.3258
10	1	25		21.11	20.97	20.95		
10	1	49		21.24	20.92	21.09		
10	25	0		19.81	19.93	19.96		
10	25	12		19.97	20.05	19.91		

10	25	25		19.89	19.93	19.91		
10	50	0		20.01	19.97	19.82		
10	1	0	256-QAM	18.08	17.94	17.91	22.07	0.1611
10	1	25		17.92	18.03	18.00		
10	1	49		18.05	18.13	17.95		
10	25	0		18.11	18.04	17.77		
10	25	12		18.07	17.83	17.89		
10	25	25		18.11	18.11	18.11		
10	50	0		18.18	17.79	17.85		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.89	23.01	22.85	26.9	0.4898
5	1	12		22.85	22.79	22.64		
5	1	24		22.91	22.87	22.73		
5	12	0		22.04	21.86	21.90		
5	12	7		21.97	21.74	21.80		
5	12	13		21.89	21.95	21.86		
5	25	0		21.84	21.92	21.97		
5	1	0	16-QAM	22.06	22.22	22.20	26.11	0.4083
5	1	12		22.06	22.17	22.11		
5	1	24		21.96	22.08	22.11		
5	12	0		20.93	20.86	20.99		
5	12	7		21.02	20.86	20.91		
5	12	13		21.00	21.05	20.90		
5	25	0		20.95	20.98	20.77		
5	1	0	64-QAM	21.05	21.10	20.98	25.08	0.3221
5	1	12		21.07	21.06	20.95		
5	1	24		21.19	20.92	21.11		
5	12	0		19.85	19.97	19.95		
5	12	7		19.99	19.94	19.84		
5	12	13		20.02	20.06	19.90		
5	25	0		19.91	19.93	19.83		
5	1	0	256-QAM	18.14	17.94	17.85	22.1	0.1622
5	1	12		17.95	18.12	18.04		
5	1	24		18.15	18.18	17.98		
5	12	0		18.13	18.01	17.85		
5	12	7		18.18	17.90	17.98		
5	12	13		18.21	18.11	17.98		
5	25	0		18.16	17.73	17.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.85	22.86	22.82	26.86	0.4853
3	1	8		22.97	22.95	22.80		
3	1	14		22.88	22.90	22.70		
3	8	0		22.02	21.89	21.88		
3	8	4		22.02	21.81	21.64		
3	8	7		21.99	21.93	21.83		
3	15	0		21.89	21.93	21.85		
3	1	0	16-QAM	22.16	22.23	22.07	26.12	0.4093
3	1	8		22.16	22.23	22.10		
3	1	14		22.03	22.05	21.99		
3	8	0		20.83	21.01	20.99		
3	8	4		20.93	20.95	20.89		
3	8	7		20.90	21.02	20.87		
3	15	0		20.97	20.95	20.89		
3	1	0	64-QAM	21.07	21.13	21.04	25.12	0.3251
3	1	8		21.00	21.06	21.02		
3	1	14		21.23	20.99	21.00		
3	8	0		19.80	20.03	19.89		
3	8	4		20.10	19.97	20.01		
3	8	7		20.02	20.06	19.90		
3	15	0		19.82	20.02	19.92		
3	1	0	256-QAM	18.06	17.87	17.96	22.07	0.1611
3	1	8		18.03	17.97	17.94		
3	1	14		18.07	18.18	17.90		
3	8	0		18.13	18.05	17.88		
3	8	4		18.03	17.95	17.79		
3	8	7		18.12	18.05	17.94		
3	15	0		18.10	17.83	17.80		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.89 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.88	22.83	22.94	26.91	0.4909
1.4	1	3		22.87	22.83	22.83		
1.4	1	5		22.77	22.79	22.69		
1.4	3	0		23.02	22.94	22.93		
1.4	3	1		22.81	22.87	22.70		
1.4	3	3		22.84	22.82	22.64		
1.4	6	0		22.10	21.94	21.89		
1.4	1	0	16-QAM	21.96	21.66	21.84	26.14	0.4111
1.4	1	3		22.05	21.88	21.91		
1.4	1	5		21.94	21.85	21.85		
1.4	3	0		22.13	22.25	22.25		
1.4	3	1		21.99	22.11	22.08		
1.4	3	3		21.95	22.13	22.06		
1.4	6	0		21.04	21.03	20.84		
1.4	1	0	64-QAM	20.90	20.93	20.87	24.97	0.3141
1.4	1	3		20.92	21.08	21.05		
1.4	1	5		20.97	21.00	20.92		
1.4	3	0		20.90	20.97	20.86		
1.4	3	1		20.95	21.05	20.89		
1.4	3	3		21.05	20.86	20.79		
1.4	6	0		19.95	20.05	19.91		
1.4	1	0	256-QAM	18.13	17.97	17.81	22.15	0.1641
1.4	1	3		17.92	17.97	18.01		
1.4	1	5		17.97	18.12	17.89		
1.4	3	0		18.04	18.02	17.75		
1.4	3	1		18.21	17.87	17.86		
1.4	3	3		18.26	17.95	17.96		
1.4	6	0		18.20	17.70	17.91		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.05	23.07	22.98	27.02	0.5035
20	1	49		23.02	23.05	22.92		
20	1	99		22.97	22.97	22.69		
20	50	0		22.11	22.08	22.02		
20	50	24		22.19	22.16	22.09		
20	50	50		22.11	22.12	22.05		
20	100	0		22.16	22.16	22.14		
20	1	0	16-QAM	22.42	22.40	22.32	26.37	0.4335
20	1	49		22.34	22.36	22.27		
20	1	99		22.24	22.42	22.02		
20	50	0		21.12	21.11	21.05		
20	50	24		21.16	21.18	21.10		
20	50	50		21.11	21.12	21.08		
20	100	0		21.13	21.15	21.11		
20	1	0	64-QAM	21.27	21.21	21.19	25.22	0.3327
20	1	49		21.26	21.23	21.18		
20	1	99		21.23	21.18	20.10		
20	50	0		20.14	20.11	19.90		
20	50	24		20.20	20.19	20.01		
20	50	50		19.95	20.14	19.77		
20	100	0		20.16	20.17	19.81		
20	1	0	256-QAM	18.16	18.32	18.14	22.28	0.1690
20	1	49		18.24	18.33	18.12		
20	1	99		18.29	18.13	17.96		
20	50	0		18.22	18.07	18.11		
20	50	24		18.21	18.06	18.12		
20	50	50		18.19	18.11	17.99		
20	100	0		18.08	18.09	17.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.98	23.05	22.91	27.00	0.5012
15	1	37		22.87	22.87	22.91		
15	1	74		22.89	22.89	22.51		
15	36	0		22.01	22.02	21.88		
15	36	20		22.08	22.04	22.00		
15	36	39		22.10	22.03	21.87		
15	75	0		21.96	22.05	22.12		
15	1	0	16-QAM	22.22	22.32	22.13	26.37	0.4335
15	1	37		22.20	22.24	22.12		
15	1	74		22.05	22.42	21.95		
15	36	0		21.10	20.95	21.05		
15	36	20		21.13	21.18	21.09		
15	36	39		20.91	21.07	21.02		
15	75	0		21.09	21.05	21.00		
15	1	0	64-QAM	21.18	21.04	21.13	25.13	0.3258
15	1	37		21.09	21.10	20.99		
15	1	74		21.13	21.02	20.05		
15	36	0		20.12	19.93	19.77		
15	36	20		20.08	20.11	19.86		
15	36	39		19.94	20.04	19.72		
15	75	0		20.04	20.16	19.63		
15	1	0	256-QAM	17.98	18.29	17.94	22.24	0.1675
15	1	37		18.18	18.14	18.07		
15	1	74		18.19	17.97	17.89		
15	36	0		18.17	17.92	18.01		
15	36	20		18.14	17.95	18.04		
15	36	39		18.12	17.91	17.90		
15	75	0		17.97	17.91	17.94		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.94	23.05	22.89	27.00	0.5012
10	1	25		22.88	22.93	22.83		
10	1	49		22.85	22.95	22.56		
10	25	0		21.97	21.98	21.93		
10	25	12		22.04	22.09	21.96		
10	25	25		22.05	22.01	21.90		
10	50	0		22.10	22.04	22.00		
10	1	0	16-QAM	22.31	22.22	22.30	26.26	0.4227
10	1	25		22.29	22.16	22.26		
10	1	49		22.10	22.27	21.96		
10	25	0		21.08	21.01	20.98		
10	25	12		20.98	21.10	20.98		
10	25	25		21.06	21.06	20.96		
10	50	0		21.06	20.99	21.11		
10	1	0	64-QAM	21.25	21.10	20.99	25.20	0.3311
10	1	25		21.25	21.08	21.17		
10	1	49		21.13	21.14	20.02		
10	25	0		19.94	20.06	19.77		
10	25	12		20.01	20.09	19.92		
10	25	25		19.82	20.06	19.76		
10	50	0		20.09	20.05	19.66		
10	1	0	256-QAM	18.16	18.29	18.12	22.24	0.1675
10	1	25		18.08	18.25	17.99		
10	1	49		18.26	17.94	17.79		
10	25	0		18.08	17.99	18.11		
10	25	12		18.14	17.92	17.92		
10	25	25		18.06	18.11	17.90		
10	50	0		17.95	17.95	17.97		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.98	22.96	22.79	26.93	0.4932
5	1	12		22.97	22.92	22.82		
5	1	24		22.92	22.97	22.68		
5	12	0		22.07	22.00	21.98		
5	12	7		22.19	22.05	22.07		
5	12	13		22.08	22.02	21.97		
5	25	0		22.14	21.96	22.14		
5	1	0	16-QAM	22.26	22.25	22.16	26.30	0.4266
5	1	12		22.28	22.33	22.14		
5	1	24		22.22	22.35	21.91		
5	12	0		20.97	21.03	20.94		
5	12	7		21.13	21.01	21.07		
5	12	13		21.07	20.95	21.03		
5	25	0		21.01	21.10	21.05		
5	1	0	64-QAM	21.12	21.08	21.17	25.12	0.3251
5	1	12		21.10	21.12	21.16		
5	1	24		21.11	21.05	20.01		
5	12	0		20.02	20.05	19.88		
5	12	7		20.06	20.00	19.88		
5	12	13		19.93	20.00	19.67		
5	25	0		20.01	20.13	19.75		
5	1	0	256-QAM	17.99	18.28	18.06	22.23	0.1671
5	1	12		18.08	18.21	17.93		
5	1	24		18.10	18.10	17.92		
5	12	0		18.02	18.07	18.07		
5	12	7		18.05	18.02	18.09		
5	12	13		18.12	18.07	17.85		
5	25	0		18.04	17.93	17.91		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.02	23.03	22.80	26.98	0.4989
3	1	8		22.90	23.01	22.81		
3	1	14		22.87	22.96	22.56		
3	8	0		22.11	21.88	21.85		
3	8	4		22.05	22.16	22.01		
3	8	7		22.00	21.96	21.85		
3	15	0		22.13	22.09	21.99		
3	1	0	16-QAM	22.25	22.32	22.26	26.35	0.4315
3	1	8		22.31	22.30	22.21		
3	1	14		22.05	22.40	21.96		
3	8	0		21.04	20.92	20.94		
3	8	4		20.99	21.18	21.10		
3	8	7		21.04	21.07	21.01		
3	15	0		21.08	21.08	21.05		
3	1	0	64-QAM	21.26	21.07	21.16	25.21	0.3319
3	1	8		21.20	21.08	20.99		
3	1	14		21.10	21.05	20.00		
3	8	0		19.98	20.02	19.82		
3	8	4		20.09	20.14	19.83		
3	8	7		19.91	20.09	19.57		
3	15	0		20.16	20.00	19.67		
3	1	0	256-QAM	17.99	18.15	18.12	22.17	0.1648
3	1	8		18.21	18.22	17.97		
3	1	14		18.09	18.11	17.94		
3	8	0		18.19	17.87	18.02		
3	8	4		18.01	17.88	18.09		
3	8	7		18.19	18.02	17.92		
3	15	0		17.88	17.99	17.92		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.95 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.87	22.95	22.82	26.95	0.4955
1.4	1	3		22.87	23.00	22.83		
1.4	1	5		22.79	22.88	22.64		
1.4	3	0		22.90	22.90	22.83		
1.4	3	1		22.95	22.97	22.92		
1.4	3	3		22.86	22.87	22.50		
1.4	6	0		22.09	21.98	22.02		
1.4	1	0	16-QAM	22.01	22.11	22.05	26.10	0.4074
1.4	1	3		22.10	22.05	22.05		
1.4	1	5		21.96	21.99	22.09		
1.4	3	0		22.06	22.15	21.90		
1.4	3	1		21.97	22.02	21.85		
1.4	3	3		22.06	22.09	21.98		
1.4	6	0		20.98	20.96	20.90		
1.4	1	0	64-QAM	21.09	21.10	21.03	25.12	0.3251
1.4	1	3		20.99	21.09	21.01		
1.4	1	5		21.02	20.96	21.09		
1.4	3	0		20.94	20.97	20.85		
1.4	3	1		21.15	21.17	21.01		
1.4	3	3		20.94	21.07	20.99		
1.4	6	0		20.02	20.00	20.00		
1.4	1	0	256-QAM	18.07	18.20	18.09	22.20	0.1660
1.4	1	3		18.13	18.25	18.08		
1.4	1	5		18.20	18.00	17.87		
1.4	3	0		18.18	17.89	18.08		
1.4	3	1		18.16	18.06	17.97		
1.4	3	3		17.99	17.93	17.98		
1.4	6	0		18.00	17.99	17.92		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.15	23.10	23.01	25.54	0.3581
20	1	49		22.97	22.84	22.84		
20	1	99		22.88	22.80	22.80		
20	50	0		22.28	22.17	22.05		
20	50	24		21.93	22.08	21.96		
20	50	50		22.02	21.99	22.00		
20	100	0		22.11	22.10	21.95		
20	1	0	16-QAM	22.50	22.42	22.37	24.89	0.3083
20	1	49		22.34	22.20	22.21		
20	1	99		22.24	22.11	22.20		
20	50	0		21.20	21.18	21.06		
20	50	24		21.14	21.12	21.01		
20	50	50		21.04	20.99	21.02		
20	100	0		21.10	21.11	21.04		
20	1	0	64-QAM	21.48	21.27	21.28	23.87	0.2438
20	1	49		21.24	21.04	21.05		
20	1	99		21.05	21.01	21.14		
20	50	0		20.31	20.20	20.13		
20	50	24		20.17	20.13	20.05		
20	50	50		20.07	20.02	20.02		
20	100	0		20.16	20.13	20.02		
20	1	0	256-QAM	18.25	18.18	18.14	20.64	0.1159
20	1	49		18.16	18.03	17.98		
20	1	99		18.08	18.13	18.02		
20	50	0		18.17	18.03	17.88		
20	50	24		18.12	18.01	17.94		
20	50	50		18.05	18.00	17.95		
20	100	0		18.02	17.98	18.02		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.14	22.97	23.01	25.53	0.3573
15	1	37		22.78	22.72	22.67		
15	1	74		22.82	22.63	22.74		
15	36	0		22.11	22.06	22.05		
15	36	20		21.74	22.02	21.86		
15	36	39		21.83	21.81	21.84		
15	75	0		22.08	22.06	21.75		
15	1	0	16-QAM	22.36	22.27	22.32	24.75	0.2985
15	1	37		22.29	22.02	22.12		
15	1	74		22.12	22.07	22.18		
15	36	0		21.10	21.17	20.86		
15	36	20		21.00	20.98	20.99		
15	36	39		20.87	20.97	20.96		
15	75	0		21.09	21.03	20.86		
15	1	0	64-QAM	21.39	21.27	21.19	23.78	0.2388
15	1	37		21.19	21.00	20.91		
15	1	74		20.86	20.88	20.94		
15	36	0		20.11	20.18	19.95		
15	36	20		20.16	20.12	19.91		
15	36	39		19.89	19.91	19.82		
15	75	0		19.96	19.99	19.91		
15	1	0	256-QAM	18.13	17.98	17.98	20.52	0.1127
15	1	37		18.03	17.85	17.92		
15	1	74		18.07	17.97	17.97		
15	36	0		18.11	18.01	17.76		
15	36	20		18.09	17.97	17.82		
15	36	39		17.98	17.81	17.95		
15	75	0		18.02	17.91	17.95		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.98	22.95	22.96	25.37	0.3443
10	1	25		22.83	22.73	22.66		
10	1	49		22.68	22.67	22.75		
10	25	0		22.27	22.08	21.85		
10	25	12		21.87	21.91	21.89		
10	25	25		21.82	21.95	21.88		
10	50	0		22.08	22.00	21.86		
10	1	0	16-QAM	22.45	22.33	22.36	24.84	0.3048
10	1	25		22.29	22.07	22.06		
10	1	49		22.18	22.09	22.12		
10	25	0		21.08	21.05	20.90		
10	25	12		21.03	21.09	20.90		
10	25	25		21.02	20.82	20.91		
10	50	0		20.97	21.00	20.88		
10	1	0	64-QAM	21.37	21.14	21.25	23.76	0.2377
10	1	25		21.19	20.95	21.02		
10	1	49		20.87	20.83	21.01		
10	25	0		20.28	20.10	20.08		
10	25	12		19.97	19.98	20.02		
10	25	25		20.04	19.94	20.00		
10	50	0		20.03	20.00	19.83		
10	1	0	256-QAM	18.22	18.05	18.08	20.61	0.1151
10	1	25		18.05	17.96	17.96		
10	1	49		17.95	18.10	17.86		
10	25	0		18.14	17.94	17.86		
10	25	12		18.00	17.84	17.86		
10	25	25		17.96	17.92	17.90		
10	50	0		18.00	17.78	17.92		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.96	23.09	22.84	25.48	0.3532
5	1	12		22.87	22.77	22.71		
5	1	24		22.77	22.76	22.76		
5	12	0		22.08	22.12	22.02		
5	12	7		21.79	22.00	21.89		
5	12	13		22.00	21.93	21.83		
5	25	0		21.94	21.94	21.95		
5	1	0	16-QAM	22.37	22.30	22.28	24.76	0.2992
5	1	12		22.19	22.06	22.14		
5	1	24		22.20	21.96	22.03		
5	12	0		21.14	21.02	20.86		
5	12	7		20.95	21.00	20.92		
5	12	13		20.93	20.85	20.84		
5	25	0		21.05	21.02	20.91		
5	1	0	64-QAM	21.28	21.09	21.17	23.67	0.2328
5	1	12		21.20	20.84	21.02		
5	1	24		20.89	20.92	21.01		
5	12	0		20.11	20.12	20.11		
5	12	7		20.05	19.96	19.91		
5	12	13		20.06	19.91	20.00		
5	25	0		20.15	20.11	19.87		
5	1	0	256-QAM	18.09	18.02	18.03	20.54	0.1132
5	1	12		18.15	17.93	17.82		
5	1	24		17.90	18.04	17.82		
5	12	0		18.13	17.89	17.84		
5	12	7		18.09	17.98	17.91		
5	12	13		18.03	17.81	17.76		
5	25	0		18.00	17.81	17.84		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.95	22.95	22.87	25.34	0.3420
3	1	8		22.91	22.74	22.67		
3	1	14		22.69	22.64	22.74		
3	8	0		22.13	22.03	21.85		
3	8	4		21.79	22.08	21.84		
3	8	7		21.93	21.96	21.93		
3	15	0		22.07	21.96	21.94		
3	1	0	16-QAM	22.40	22.23	22.19	24.79	0.3013
3	1	8		22.15	22.16	22.11		
3	1	14		22.11	21.93	22.08		
3	8	0		21.06	20.99	20.94		
3	8	4		21.06	21.01	20.83		
3	8	7		20.91	20.82	20.87		
3	15	0		21.07	20.97	20.90		
3	1	0	64-QAM	21.31	21.16	21.11	23.70	0.2344
3	1	8		21.14	20.84	20.89		
3	1	14		20.89	20.94	21.10		
3	8	0		20.14	20.12	19.95		
3	8	4		20.06	20.12	20.00		
3	8	7		19.94	19.82	19.87		
3	15	0		20.09	20.00	19.87		
3	1	0	256-QAM	18.09	18.18	18.04	20.57	0.1140
3	1	8		18.10	17.86	17.87		
3	1	14		18.08	18.00	17.85		
3	8	0		18.14	17.98	17.77		
3	8	4		18.02	17.85	17.81		
3	8	7		17.87	17.81	17.94		
3	15	0		17.82	17.82	17.92		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.98	23.07	22.84	25.46	0.3516
1.4	1	3		22.92	22.74	22.82		
1.4	1	5		22.76	22.63	22.63		
1.4	3	0		22.14	22.03	22.02		
1.4	3	1		23.05	22.98	22.82		
1.4	3	3		22.80	22.68	22.78		
1.4	6	0		22.86	22.68	22.66		
1.4	1	0	16-QAM	22.34	22.25	22.34	24.89	0.3083
1.4	1	3		22.33	22.07	22.06		
1.4	1	5		22.10	22.10	22.15		
1.4	3	0		22.11	22.01	21.84		
1.4	3	1		22.50	22.26	22.17		
1.4	3	3		22.19	22.01	22.11		
1.4	6	0		21.03	21.01	21.04		
1.4	1	0	64-QAM	21.45	21.15	21.14	23.87	0.2438
1.4	1	3		21.19	20.90	21.00		
1.4	1	5		20.94	20.97	21.03		
1.4	3	0		21.06	20.99	20.87		
1.4	3	1		21.48	21.20	21.24		
1.4	3	3		21.24	20.90	20.98		
1.4	6	0		20.14	19.95	19.88		
1.4	1	0	256-QAM	18.10	18.14	17.98	20.53	0.1130
1.4	1	3		18.13	17.94	17.95		
1.4	1	5		18.02	17.93	17.94		
1.4	3	0		18.08	17.85	17.88		
1.4	3	1		18.01	17.94	17.76		
1.4	3	3		18.01	17.90	17.92		
1.4	6	0		17.84	17.84	17.94		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.02	22.86	22.61	22.12	0.1629
10	1	25		22.87	22.75	22.56		
10	1	49		22.85	22.61	22.31		
10	25	0		22.12	21.92	21.76		
10	25	12		22.11	21.84	21.75		
10	25	25		21.98	21.76	21.48		
10	50	0		22.02	21.81	21.72		
10	1	0	16-QAM	22.39	22.26	22.08	21.49	0.1409
10	1	25		22.30	22.12	21.88		
10	1	49		22.20	22.06	21.59		
10	25	0		21.15	20.92	20.81		
10	25	12		21.11	20.85	20.75		
10	25	25		20.98	20.74	20.65		
10	50	0		21.02	20.86	20.75		
10	1	0	64-QAM	21.14	21.11	20.96	20.24	0.1057
10	1	25		21.14	20.80	20.64		
10	1	49		20.80	20.33	20.12		
10	25	0		19.93	19.89	19.58		
10	25	12		19.96	19.79	19.09		
10	25	25		19.91	19.78	19.12		
10	50	0		19.81	19.80	19.06		
10	1	0	256-QAM	17.83	17.89	17.63	17.1	0.0513
10	1	25		17.91	17.70	17.03		
10	1	49		17.86	17.75	17.05		
10	25	0		17.79	17.74	17.04		
10	25	12		18.00	17.84	17.16		
10	25	25		17.94	17.78	17.21		
10	50	0		17.74	17.85	17.02		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.94	22.81	22.53	22.04	0.1600
5	1	12		22.87	22.70	22.49		
5	1	24		22.83	22.60	22.21		
5	12	0		22.03	21.86	21.72		
5	12	7		22.07	21.77	21.70		
5	12	13		21.89	21.68	21.39		
5	25	0		21.93	21.80	21.68		
5	1	0	16-QAM	22.38	22.19	21.98	21.48	0.1406
5	1	12		22.28	22.03	21.79		
5	1	24		22.16	22.01	21.58		
5	12	0		21.08	20.91	20.71		
5	12	7		21.04	20.81	20.73		
5	12	13		20.91	20.70	20.61		
5	25	0		20.96	20.76	20.70		
5	1	0	64-QAM	21.14	21.01	20.92	20.24	0.1057
5	1	12		21.09	20.73	20.59		
5	1	24		20.73	20.25	20.11		
5	12	0		19.86	19.82	19.53		
5	12	7		19.91	19.69	19.02		
5	12	13		19.87	19.78	19.06		
5	25	0		19.80	19.79	19.01		
5	1	0	256-QAM	17.75	17.85	17.58	17.1	0.0513
5	1	12		17.89	17.62	17.05		
5	1	24		17.76	17.66	17.04		
5	12	0		17.70	17.67	17.03		
5	12	7		18.00	17.81	17.13		
5	12	13		17.87	17.75	17.20		
5	25	0		17.74	17.84	17.06		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.00	22.83	22.53	22.1	0.1622
3	1	8		22.79	22.74	22.49		
3	1	14		22.82	22.61	22.31		
3	8	0		22.08	21.87	21.75		
3	8	4		22.05	21.82	21.70		
3	8	7		21.97	21.67	21.46		
3	15	0		22.01	21.77	21.63		
3	1	0	16-QAM	22.38	22.25	22.05	21.48	0.1406
3	1	8		22.21	22.11	21.86		
3	1	14		22.15	22.01	21.52		
3	8	0		21.05	20.85	20.72		
3	8	4		21.05	20.77	20.71		
3	8	7		20.90	20.74	20.58		
3	15	0		21.00	20.83	20.73		
3	1	0	64-QAM	21.08	21.10	20.92	20.23	0.1054
3	1	8		21.13	20.71	20.58		
3	1	14		20.80	20.30	20.05		
3	8	0		19.88	19.82	19.50		
3	8	4		19.92	19.71	19.01		
3	8	7		19.83	19.73	19.07		
3	15	0		19.81	19.70	19.00		
3	1	0	256-QAM	17.75	17.86	17.59	17.04	0.0506
3	1	8		17.87	17.63	17.06		
3	1	14		17.86	17.71	17.00		
3	8	0		17.74	17.71	17.03		
3	8	4		17.94	17.74	17.16		
3	8	7		17.94	17.68	17.21		
3	15	0		17.68	17.77	17.02		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.96	22.81	22.59	22.06	0.1607
1.4	1	3		22.86	22.75	22.56		
1.4	1	5		22.84	22.51	22.30		
1.4	3	0		22.92	22.75	22.49		
1.4	3	1		22.77	22.75	22.55		
1.4	3	3		22.83	22.49	22.30		
1.4	6	0		21.96	21.73	21.66		
1.4	1	0	16-QAM	22.32	22.18	22.06	21.42	0.1387
1.4	1	3		22.23	22.11	21.85		
1.4	1	5		22.19	22.01	21.51		
1.4	3	0		22.32	22.17	22.02		
1.4	3	1		22.20	22.08	21.76		
1.4	3	3		22.15	21.99	21.47		
1.4	6	0		20.97	20.82	20.68		
1.4	1	0	64-QAM	21.07	21.06	20.94	20.21	0.1050
1.4	1	3		21.11	20.80	20.57		
1.4	1	5		20.74	20.29	20.11		
1.4	3	0		21.05	20.97	20.90		
1.4	3	1		21.07	20.74	20.50		
1.4	3	3		20.68	20.28	20.03		
1.4	6	0		19.73	19.79	19.06		
1.4	1	0	256-QAM	17.82	17.89	17.61	17.04	0.0506
1.4	1	3		17.86	17.61	17.01		
1.4	1	5		17.82	17.66	17.02		
1.4	3	0		17.76	17.72	17.02		
1.4	3	1		17.94	17.80	17.12		
1.4	3	3		17.87	17.68	17.21		
1.4	6	0		17.67	17.79	17.05		
Limit	ERP < 7W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.92	22.86	23.03	21.39	0.1377
10	1	25		22.72	22.82	22.90		
10	1	49		22.89	22.82	22.76		
10	25	0		21.78	21.85	22.01		
10	25	12		21.93	22.04	22.07		
10	25	25		22.00	22.07	22.23		
10	50	0		21.93	22.03	22.11		
10	1	0	16-QAM	22.42	22.45	22.61	20.97	0.1250
10	1	25		22.15	22.23	22.31		
10	1	49		22.11	22.16	22.26		
10	25	0		20.77	20.87	21.02		
10	25	12		20.96	21.04	21.08		
10	25	25		21.01	21.06	21.23		
10	50	0		20.93	21.01	21.11		
10	1	0	64-QAM	20.80	20.93	21.01	19.48	0.0887
10	1	25		21.03	21.10	21.12		
10	1	49		21.09	21.11	20.76		
10	25	0		19.82	19.88	19.85		
10	25	12		19.98	20.03	20.03		
10	25	25		19.85	19.96	20.19		
10	50	0		19.82	19.90	20.05		
10	1	0	256-QAM	17.91	17.98	17.94	16.65	0.0462
10	1	25		17.93	18.12	17.99		
10	1	49		17.83	17.93	18.24		
10	25	0		17.77	17.96	17.96		
10	25	12		18.01	18.10	18.09		
10	25	25		17.76	17.89	18.29		
10	50	0		17.87	17.99	18.01		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.86	22.79	22.96	21.32	0.1355
5	1	12		22.71	22.75	22.84		
5	1	24		22.82	22.79	22.73		
5	12	0		21.75	21.85	21.96		
5	12	7		21.92	21.98	22.03		
5	12	13		21.97	22.01	22.17		
5	25	0		21.83	21.98	22.11		
5	1	0	16-QAM	22.32	22.38	22.53	20.89	0.1227
5	1	12		22.09	22.15	22.25		
5	1	24		22.04	22.15	22.19		
5	12	0		20.75	20.82	21.00		
5	12	7		20.95	20.97	21.08		
5	12	13		21.00	21.02	21.13		
5	25	0		20.84	20.92	21.08		
5	1	0	64-QAM	20.75	20.91	20.98	19.44	0.0879
5	1	12		20.93	21.08	21.05		
5	1	24		21.04	21.03	20.76		
5	12	0		19.75	19.82	19.83		
5	12	7		19.98	20.03	20.01		
5	12	13		19.77	19.95	20.09		
5	25	0		19.75	19.90	20.04		
5	1	0	256-QAM	17.83	17.96	17.88	16.65	0.0462
5	1	12		17.91	18.10	17.93		
5	1	24		17.79	17.90	18.19		
5	12	0		17.73	17.92	17.86		
5	12	7		17.91	18.05	18.06		
5	12	13		17.68	17.87	18.29		
5	25	0		17.80	17.94	17.91		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.86	22.81	22.96	21.32	0.1355
3	1	8		22.70	22.80	22.81		
3	1	14		22.82	22.82	22.76		
3	8	0		21.70	21.83	22.01		
3	8	4		21.85	21.99	21.98		
3	8	7		21.98	21.97	22.15		
3	15	0		21.92	21.96	22.10		
3	1	0	16-QAM	22.34	22.36	22.53	20.89	0.1227
3	1	8		22.05	22.15	22.23		
3	1	14		22.11	22.16	22.22		
3	8	0		20.77	20.81	21.02		
3	8	4		20.95	20.99	20.98		
3	8	7		20.91	21.04	21.17		
3	15	0		20.91	20.96	21.03		
3	1	0	64-QAM	20.79	20.90	20.93	19.45	0.0881
3	1	8		20.97	21.09	21.08		
3	1	14		21.08	21.08	20.72		
3	8	0		19.73	19.81	19.78		
3	8	4		19.94	20.02	20.00		
3	8	7		19.77	19.94	20.12		
3	15	0		19.79	19.83	19.96		
3	1	0	256-QAM	17.85	17.96	17.85	16.58	0.0455
3	1	8		17.92	18.04	17.94		
3	1	14		17.81	17.91	18.17		
3	8	0		17.73	17.89	17.96		
3	8	4		17.99	18.05	18.02		
3	8	7		17.66	17.85	18.22		
3	15	0		17.83	17.95	17.95		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.83	22.76	23.01	21.38	0.1374
1.4	1	3		22.63	22.82	22.81		
1.4	1	5		22.86	22.76	22.69		
1.4	3	0		22.77	22.66	23.02		
1.4	3	1		22.53	22.82	22.81		
1.4	3	3		22.82	22.75	22.62		
1.4	6	0		21.86	21.98	22.05		
1.4	1	0	16-QAM	22.41	22.37	22.56	20.92	0.1236
1.4	1	3		22.08	22.20	22.28		
1.4	1	5		22.02	22.07	22.24		
1.4	3	0		22.36	22.34	22.55		
1.4	3	1		21.98	22.12	22.24		
1.4	3	3		21.96	22.05	22.16		
1.4	6	0		20.83	21.01	21.01		
1.4	1	0	64-QAM	20.75	20.90	20.94	19.46	0.0883
1.4	1	3		20.98	21.10	21.05		
1.4	1	5		21.04	21.08	20.69		
1.4	3	0		20.70	20.82	20.91		
1.4	3	1		20.97	21.01	21.03		
1.4	3	3		20.94	20.98	20.60		
1.4	6	0		19.80	19.89	19.95		
1.4	1	0	256-QAM	17.85	17.91	17.86	16.63	0.0460
1.4	1	3		17.86	18.09	17.93		
1.4	1	5		17.82	17.86	18.23		
1.4	3	0		17.72	17.86	17.87		
1.4	3	1		17.91	18.05	18.02		
1.4	3	3		17.67	17.80	18.27		
1.4	6	0		17.79	17.96	17.92		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.62	-	21.85	0.1531
10	1	25			22.61			
10	1	49			22.53			
10	25	0			21.85			
10	25	12			21.84			
10	25	25			21.83			
10	50	0			21.79			
10	1	0	16-QAM		21.77		21.26	0.1337
10	1	25			22.03			
10	1	49			21.96			
10	25	0			20.84			
10	25	12			20.83			
10	25	25			20.78			
10	50	0			20.74			
10	1	0	64-QAM		20.61		19.84	0.0964
10	1	25			20.37			
10	1	49			20.21			
10	25	0			19.74			
10	25	12			19.68			
10	25	25			19.63			
10	50	0			19.53			
10	1	0	256-QAM		17.65		16.98	0.0499
10	1	25			17.75			
10	1	49			17.64			
10	25	0			17.59			
10	25	12			17.75			
10	25	25			17.75			
10	50	0			17.69			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.52	22.54	22.50	21.77	0.1503
5	1	12		22.52	22.53	22.54		
5	1	24		22.52	22.47	22.49		
5	12	0		21.83	21.83	21.84		
5	12	7		21.82	21.84	21.76		
5	12	13		21.73	21.77	21.73		
5	25	0		21.75	21.73	21.75		
5	1	0	16-QAM	21.68	21.68	21.67	21.21	0.1321
5	1	12		21.94	21.98	21.96		
5	1	24		21.92	21.86	21.94		
5	12	0		20.82	20.80	20.79		
5	12	7		20.74	20.83	20.74		
5	12	13		20.76	20.71	20.68		
5	25	0		20.65	20.73	20.74		
5	1	0	64-QAM	20.57	20.61	20.55	19.84	0.0964
5	1	12		20.31	20.37	20.29		
5	1	24		20.16	20.15	20.11		
5	12	0		19.67	19.74	19.74		
5	12	7		19.66	19.67	19.67		
5	12	13		19.53	19.59	19.61		
5	25	0		19.47	19.44	19.52		
5	1	0	256-QAM	17.64	17.60	17.55	16.98	0.0499
5	1	12		17.69	17.75	17.70		
5	1	24		17.56	17.56	17.64		
5	12	0		17.59	17.54	17.53		
5	12	7		17.71	17.70	17.71		
5	12	13		17.68	17.69	17.72		
5	25	0		17.61	17.68	17.60		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.12	23.05	23.06	21.48	0.1406
10	1	25		22.90	22.89	22.95		
10	1	49		23.06	23.02	23.03		
10	25	0		21.83	21.90	21.99		
10	25	12		21.96	22.05	21.89		
10	25	25		22.12	22.21	22.15		
10	50	0		21.96	22.01	22.05		
10	1	0	16-QAM	22.56	22.61	22.62	20.98	0.1253
10	1	25		22.33	22.30	22.30		
10	1	49		22.46	22.47	22.40		
10	25	0		20.85	21.06	20.99		
10	25	12		20.97	21.04	21.16		
10	25	25		21.07	21.20	21.17		
10	50	0		20.96	21.05	21.04		
10	1	0	64-QAM	20.95	20.96	21.02	19.7	0.0933
10	1	25		21.21	21.22	21.27		
10	1	49		21.31	21.34	21.09		
10	25	0		19.87	19.93	20.02		
10	25	12		19.99	20.08	20.18		
10	25	25		20.15	20.23	20.39		
10	50	0		19.98	20.04	20.06		
10	1	0	256-QAM	17.95	18.15	18.20	16.76	0.0474
10	1	25		18.24	18.32	18.12		
10	1	49		18.21	18.33	18.40		
10	25	0		18.07	18.14	18.19		
10	25	12		18.19	18.22	18.32		
10	25	25		18.33	18.36	18.29		
10	50	0		18.11	18.24	18.23		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.92	22.87	22.90	21.38	0.1374
5	1	12		22.79	22.83	22.90		
5	1	24		22.98	23.02	22.92		
5	12	0		21.81	21.90	21.96		
5	12	7		21.77	21.89	21.86		
5	12	13		21.96	22.16	21.99		
5	25	0		21.94	21.81	21.98		
5	1	0	16-QAM	22.53	22.48	22.48	20.89	0.1227
5	1	12		22.24	22.13	22.13		
5	1	24		22.39	22.31	22.27		
5	12	0		20.76	20.86	20.95		
5	12	7		20.78	20.97	21.14		
5	12	13		21.04	21.17	21.09		
5	25	0		20.84	21.03	21.00		
5	1	0	64-QAM	20.76	20.82	20.92	19.62	0.0916
5	1	12		21.05	21.12	21.26		
5	1	24		21.26	21.22	20.94		
5	12	0		19.73	19.73	19.99		
5	12	7		19.89	19.90	20.07		
5	12	13		19.99	20.23	20.31		
5	25	0		19.80	19.89	20.04		
5	1	0	256-QAM	17.77	18.00	18.05	16.66	0.0463
5	1	12		18.20	18.12	18.10		
5	1	24		18.07	18.18	18.30		
5	12	0		18.03	17.99	18.03		
5	12	7		18.06	18.16	18.14		
5	12	13		18.17	18.26	18.28		
5	25	0		18.09	18.20	18.21		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.96	22.83	22.75	22.06	0.1607
15	1	37		22.92	22.80	22.54		
15	1	74		22.88	22.67	22.42		
15	36	0		22.09	21.93	21.81		
15	36	20		22.12	21.91	21.74		
15	36	39		22.04	21.82	21.57		
15	75	0		22.09	21.89	21.78		
15	1	0	16-QAM	22.29	22.14	22.07	21.39	0.1377
15	1	37		22.26	22.14	21.84		
15	1	74		22.14	21.95	21.69		
15	36	0		21.09	20.94	20.83		
15	36	20		21.10	20.90	20.75		
15	36	39		21.08	20.82	20.56		
15	75	0		21.13	20.91	20.78		
15	1	0	64-QAM	21.18	21.07	21.01	20.31	0.1074
15	1	37		21.21	21.08	20.83		
15	1	74		21.10	20.86	20.53		
15	36	0		20.15	19.99	19.89		
15	36	20		20.12	19.91	19.78		
15	36	39		20.08	19.88	19.64		
15	75	0		20.14	19.91	19.79		
15	1	0	256-QAM	18.31	18.37	18.19	17.47	0.0558
15	1	37		18.09	18.14	18.11		
15	1	74		17.91	17.96	17.88		
15	36	0		18.09	18.18	17.98		
15	36	20		17.89	18.08	17.94		
15	36	39		17.80	17.94	17.89		
15	75	0		17.91	18.04	18.00		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.84	22.69	22.62	21.94	0.1563
10	1	25		22.72	22.76	22.42		
10	1	49		22.79	22.58	22.28		
10	25	0		22.09	21.76	21.62		
10	25	12		22.05	21.91	21.60		
10	25	25		22.04	21.63	21.45		
10	50	0		21.99	21.77	21.61		
10	1	0	16-QAM	22.26	22.07	21.94	21.36	0.1368
10	1	25		22.13	22.08	21.83		
10	1	49		22.00	21.95	21.56		
10	25	0		21.00	20.92	20.79		
10	25	12		21.06	20.86	20.57		
10	25	25		20.92	20.67	20.56		
10	50	0		21.07	20.83	20.72		
10	1	0	64-QAM	21.10	20.89	20.86	20.28	0.1067
10	1	25		21.18	20.94	20.67		
10	1	49		21.04	20.69	20.33		
10	25	0		20.14	19.80	19.84		
10	25	12		20.08	19.85	19.72		
10	25	25		19.98	19.78	19.52		
10	50	0		19.98	19.91	19.61		
10	1	0	256-QAM	18.11	18.34	18.09	17.44	0.0555
10	1	25		18.05	18.05	18.02		
10	1	49		17.91	17.80	17.84		
10	25	0		17.97	18.03	17.87		
10	25	12		17.85	18.06	17.92		
10	25	25		17.65	17.81	17.75		
10	50	0		17.89	18.04	17.95		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.88	22.67	22.61	21.98	0.1578
5	1	12		22.75	22.75	22.54		
5	1	24		22.69	22.60	22.28		
5	12	0		22.06	21.78	21.62		
5	12	7		22.08	21.91	21.67		
5	12	13		21.96	21.77	21.50		
5	25	0		22.08	21.74	21.69		
5	1	0	16-QAM	22.19	22.02	22.06	21.29	0.1346
5	1	12		22.16	22.04	21.79		
5	1	24		22.06	21.87	21.49		
5	12	0		20.91	20.85	20.72		
5	12	7		20.91	20.78	20.75		
5	12	13		20.91	20.76	20.56		
5	25	0		21.11	20.80	20.72		
5	1	0	64-QAM	21.14	21.00	20.98	20.24	0.1057
5	1	12		21.09	20.98	20.73		
5	1	24		20.98	20.79	20.39		
5	12	0		20.13	19.97	19.70		
5	12	7		20.06	19.79	19.62		
5	12	13		20.06	19.85	19.57		
5	25	0		19.97	19.87	19.69		
5	1	0	256-QAM	18.11	18.20	18.12	17.3	0.0537
5	1	12		18.04	18.05	18.06		
5	1	24		17.77	17.84	17.75		
5	12	0		17.90	18.07	17.81		
5	12	7		17.74	17.93	17.81		
5	12	13		17.77	17.78	17.86		
5	25	0		17.81	17.86	17.80		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.91	22.72	22.60	22.01	0.1589
3	1	8		22.87	22.64	22.53		
3	1	14		22.76	22.54	22.39		
3	8	0		22.08	21.75	21.69		
3	8	4		22.08	21.81	21.54		
3	8	7		22.02	21.77	21.45		
3	15	0		21.91	21.77	21.68		
3	1	0	16-QAM	22.11	21.99	21.98	21.24	0.1330
3	1	8		22.08	22.14	21.67		
3	1	14		22.01	21.89	21.56		
3	8	0		21.03	20.75	20.69		
3	8	4		20.99	20.82	20.62		
3	8	7		21.01	20.66	20.49		
3	15	0		20.93	20.78	20.75		
3	1	0	64-QAM	20.98	20.87	20.95	20.13	0.1030
3	1	8		21.01	21.03	20.75		
3	1	14		20.94	20.73	20.37		
3	8	0		20.06	19.84	19.86		
3	8	4		20.04	19.77	19.61		
3	8	7		20.04	19.81	19.53		
3	15	0		19.96	19.74	19.72		
3	1	0	256-QAM	18.17	18.24	18.12	17.34	0.0542
3	1	8		18.07	18.02	17.94		
3	1	14		17.79	17.90	17.77		
3	8	0		17.98	18.09	17.87		
3	8	4		17.80	17.97	17.93		
3	8	7		17.66	17.86	17.82		
3	15	0		17.71	17.85	17.92		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 1.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.79	22.83	22.62	22.02	0.1592
1.4	1	3		22.88	22.77	22.40		
1.4	1	5		22.80	22.63	22.36		
1.4	3	0		22.91	22.77	22.70		
1.4	3	1		22.92	22.62	22.54		
1.4	3	3		22.73	22.63	22.28		
1.4	6	0		21.93	21.75	21.70		
1.4	1	0	16-QAM	22.19	22.14	22.06	21.29	0.1346
1.4	1	3		22.15	22.04	21.72		
1.4	1	5		22.09	21.78	21.56		
1.4	3	0		22.19	21.94	22.07		
1.4	3	1		22.19	21.97	21.81		
1.4	3	3		21.94	21.75	21.49		
1.4	6	0		21.11	20.72	20.65		
1.4	1	0	64-QAM	21.13	21.04	21.01	20.26	0.1062
1.4	1	3		21.04	20.92	20.80		
1.4	1	5		21.08	20.66	20.53		
1.4	3	0		21.16	20.87	20.92		
1.4	3	1		21.07	21.04	20.72		
1.4	3	3		21.08	20.81	20.33		
1.4	6	0		20.09	19.72	19.64		
1.4	1	0	256-QAM	18.13	18.29	18.17	17.39	0.0548
1.4	1	3		17.89	18.13	18.02		
1.4	1	5		17.81	17.76	17.87		
1.4	3	0		18.04	18.17	17.83		
1.4	3	1		17.84	17.98	17.93		
1.4	3	3		17.67	17.94	17.87		
1.4	6	0		17.72	17.92	17.82		
Limit	ERP < 7W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.29	23.25	23.28	25.53	0.3573
20	1	49		23.21	23.04	23.20		
20	1	99		23.11	23.04	23.13		
20	50	0		22.36	22.31	22.32		
20	50	24		22.34	22.29	22.31		
20	50	50		22.28	22.23	22.33		
20	100	0		22.34	22.23	22.27		
20	1	0	16-QAM	22.66	22.63	22.65	24.90	0.3090
20	1	49		22.57	22.48	22.54		
20	1	99		22.51	22.48	22.51		
20	50	0		21.40	21.33	21.34		
20	50	24		21.37	21.29	21.30		
20	50	50		21.30	21.24	21.33		
20	100	0		21.31	21.27	21.31		
20	1	0	64-QAM	21.54	21.48	21.53	23.78	0.2388
20	1	49		21.42	21.33	21.45		
20	1	99		21.37	21.34	21.37		
20	50	0		20.40	20.32	20.34		
20	50	24		20.40	20.29	20.33		
20	50	50		20.33	20.24	20.35		
20	100	0		20.38	20.30	20.32		
20	1	0	256-QAM	18.21	18.25	18.23	20.49	0.1119
20	1	49		17.91	18.08	18.06		
20	1	99		18.07	18.21	18.16		
20	50	0		18.02	18.03	17.96		
20	50	24		17.93	18.08	17.94		
20	50	50		18.07	18.11	17.93		
20	100	0		18.07	18.09	18.04		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.13	23.15	23.12	25.44	0.3499
15	1	37		23.20	23.04	23.00		
15	1	74		23.04	23.01	23.07		
15	36	0		22.20	22.26	22.23		
15	36	20		22.16	22.09	22.23		
15	36	39		22.27	22.06	22.18		
15	75	0		22.32	22.05	22.18		
15	1	0	16-QAM	22.61	22.60	22.58	24.85	0.3055
15	1	37		22.38	22.33	22.34		
15	1	74		22.49	22.46	22.35		
15	36	0		21.29	21.32	21.24		
15	36	20		21.29	21.17	21.29		
15	36	39		21.19	21.08	21.25		
15	75	0		21.30	21.07	21.29		
15	1	0	64-QAM	21.45	21.37	21.46	23.70	0.2344
15	1	37		21.24	21.30	21.41		
15	1	74		21.21	21.23	21.25		
15	36	0		20.32	20.31	20.22		
15	36	20		20.22	20.29	20.26		
15	36	39		20.18	20.14	20.26		
15	75	0		20.28	20.16	20.21		
15	1	0	256-QAM	18.15	18.17	18.16	20.41	0.1099
15	1	37		17.85	18.07	18.05		
15	1	74		18.07	18.06	18.05		
15	36	0		17.95	17.99	17.93		
15	36	20		17.86	18.00	17.85		
15	36	39		17.92	17.99	17.87		
15	75	0		17.93	17.97	18.04		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.26	23.12	23.20	25.50	0.3548
10	1	25		23.10	22.91	23.17		
10	1	49		22.98	22.85	23.07		
10	25	0		22.33	22.15	22.14		
10	25	12		22.15	22.11	22.19		
10	25	25		22.27	22.03	22.32		
10	50	0		22.19	22.23	22.20		
10	1	0	16-QAM	22.47	22.61	22.59	24.85	0.3055
10	1	25		22.50	22.43	22.46		
10	1	49		22.51	22.47	22.49		
10	25	0		21.35	21.21	21.26		
10	25	12		21.33	21.11	21.24		
10	25	25		21.20	21.24	21.31		
10	50	0		21.15	21.07	21.24		
10	1	0	64-QAM	21.53	21.33	21.51	23.77	0.2382
10	1	25		21.36	21.15	21.28		
10	1	49		21.19	21.24	21.19		
10	25	0		20.35	20.24	20.14		
10	25	12		20.20	20.11	20.25		
10	25	25		20.21	20.12	20.31		
10	50	0		20.31	20.20	20.19		
10	1	0	256-QAM	18.10	18.21	18.08	20.45	0.1109
10	1	25		17.81	18.02	17.99		
10	1	49		17.91	18.10	18.12		
10	25	0		18.01	17.90	17.89		
10	25	12		17.82	17.91	17.87		
10	25	25		17.87	17.95	17.73		
10	50	0		17.88	17.97	17.85		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.16	23.13	23.21	25.45	0.3508
5	1	12		23.07	22.95	23.09		
5	1	24		22.97	22.99	23.03		
5	12	0		22.28	22.23	22.18		
5	12	7		22.23	22.10	22.15		
5	12	13		22.21	22.03	22.16		
5	25	0		22.26	22.05	22.09		
5	1	0	16-QAM	22.48	22.47	22.65	24.89	0.3083
5	1	12		22.40	22.35	22.47		
5	1	24		22.47	22.38	22.48		
5	12	0		21.32	21.16	21.14		
5	12	7		21.19	21.28	21.20		
5	12	13		21.17	21.14	21.18		
5	25	0		21.22	21.22	21.30		
5	1	0	64-QAM	21.39	21.32	21.33	23.63	0.2307
5	1	12		21.23	21.17	21.35		
5	1	24		21.31	21.18	21.34		
5	12	0		20.30	20.28	20.24		
5	12	7		20.40	20.14	20.16		
5	12	13		20.24	20.21	20.23		
5	25	0		20.21	20.24	20.23		
5	1	0	256-QAM	18.02	18.13	18.11	20.38	0.1091
5	1	12		17.78	18.01	17.86		
5	1	24		17.94	18.02	18.14		
5	12	0		17.87	18.03	17.80		
5	12	7		17.87	17.96	17.89		
5	12	13		17.90	18.07	17.80		
5	25	0		17.92	17.93	17.92		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.19	23.11	23.20	25.44	0.3499
3	1	8		23.01	23.00	23.11		
3	1	14		22.92	23.02	22.99		
3	8	0		22.23	22.26	22.14		
3	8	4		22.14	22.25	22.25		
3	8	7		22.14	22.05	22.14		
3	15	0		22.18	22.10	22.12		
3	1	0	16-QAM	22.63	22.55	22.54	24.87	0.3069
3	1	8		22.42	22.41	22.45		
3	1	14		22.48	22.32	22.31		
3	8	0		21.36	21.27	21.31		
3	8	4		21.35	21.16	21.22		
3	8	7		21.28	21.19	21.22		
3	15	0		21.21	21.17	21.20		
3	1	0	64-QAM	21.37	21.33	21.33	23.61	0.2296
3	1	8		21.22	21.21	21.35		
3	1	14		21.20	21.27	21.23		
3	8	0		20.21	20.23	20.21		
3	8	4		20.23	20.25	20.18		
3	8	7		20.15	20.04	20.17		
3	15	0		20.31	20.24	20.23		
3	1	0	256-QAM	18.14	18.13	18.21	20.45	0.1109
3	1	8		17.75	18.03	18.00		
3	1	14		17.96	18.11	18.08		
3	8	0		17.97	17.93	17.82		
3	8	4		17.85	17.98	17.88		
3	8	7		18.06	18.06	17.79		
3	15	0		18.05	18.02	17.98		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.29	23.12	23.19	25.53	0.3573
1.4	1	3		23.09	22.85	23.13		
1.4	1	5		22.94	23.04	22.93		
1.4	3	0		23.28	23.24	23.08		
1.4	3	1		23.19	23.01	23.11		
1.4	3	3		23.06	22.84	22.98		
1.4	6	0		22.26	22.22	22.17		
1.4	1	0	16-QAM	22.54	22.54	22.62	24.86	0.3062
1.4	1	3		22.45	22.40	22.49		
1.4	1	5		22.45	22.32	22.43		
1.4	3	0		22.47	22.58	22.53		
1.4	3	1		22.39	22.31	22.48		
1.4	3	3		22.33	22.43	22.43		
1.4	6	0		21.25	21.27	21.21		
1.4	1	0	64-QAM	21.40	21.47	21.49	23.73	0.2360
1.4	1	3		21.33	21.19	21.38		
1.4	1	5		21.20	21.18	21.26		
1.4	3	0		21.42	21.30	21.35		
1.4	3	1		21.41	21.27	21.36		
1.4	3	3		21.34	21.26	21.36		
1.4	6	0		20.21	20.17	20.24		
1.4	1	0	256-QAM	18.10	18.18	18.10	20.42	0.1102
1.4	1	3		17.71	18.03	17.90		
1.4	1	5		18.01	18.14	18.16		
1.4	3	0		17.97	17.94	17.89		
1.4	3	1		17.76	17.99	17.86		
1.4	3	3		17.98	18.01	17.81		
1.4	6	0		18.03	17.93	17.90		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	22.91	22.76	22.59	21.17	0.1309
20	1	49		22.71	22.57	22.56		
20	1	99		22.56	22.54	22.52		
20	50	0		21.90	21.76	21.68		
20	50	24		21.91	21.76	21.64		
20	50	50		21.77	21.68	21.65		
20	100	0		21.88	21.76	21.62		
20	1	0	16-QAM	22.22	22.10	22.00	20.48	0.1117
20	1	49		22.10	21.92	21.91		
20	1	99		21.88	21.91	21.87		
20	50	0		20.91	20.75	20.69		
20	50	24		20.89	20.77	20.63		
20	50	50		20.76	20.68	20.64		
20	100	0		20.88	20.75	20.61		
20	1	0	64-QAM	21.04	21.00	20.84	19.31	0.0853
20	1	49		21.05	20.81	20.78		
20	1	99		20.77	20.83	20.79		
20	50	0		19.77	19.78	19.71		
20	50	24		19.89	19.79	19.66		
20	50	50		19.80	19.69	19.68		
20	100	0		19.90	19.77	19.64		
20	1	0	256-QAM	18.25	18.02	17.98	16.51	0.0448
20	1	49		18.02	17.98	17.93		
20	1	99		17.89	17.83	17.73		
20	50	0		17.91	17.96	17.80		
20	50	24		18.00	17.85	17.81		
20	50	50		17.83	17.79	17.64		
20	100	0		17.85	17.89	17.83		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.86	22.73	22.49	21.12	0.1294
15	1	37		22.71	22.50	22.40		
15	1	74		22.54	22.44	22.50		
15	36	0		21.77	21.70	21.60		
15	36	20		21.90	21.59	21.53		
15	36	39		21.60	21.49	21.45		
15	75	0		21.78	21.70	21.54		
15	1	0	16-QAM	22.19	22.02	21.80	20.45	0.1109
15	1	37		21.99	21.78	21.75		
15	1	74		21.82	21.85	21.80		
15	36	0		20.72	20.69	20.57		
15	36	20		20.80	20.60	20.56		
15	36	39		20.73	20.60	20.48		
15	75	0		20.85	20.60	20.48		
15	1	0	64-QAM	20.88	20.91	20.80	19.17	0.0826
15	1	37		20.89	20.81	20.63		
15	1	74		20.77	20.83	20.70		
15	36	0		19.64	19.60	19.66		
15	36	20		19.73	19.79	19.51		
15	36	39		19.60	19.58	19.51		
15	75	0		19.79	19.75	19.57		
15	1	0	256-QAM	18.05	17.86	17.78	16.31	0.0428
15	1	37		17.88	17.87	17.75		
15	1	74		17.80	17.80	17.71		
15	36	0		17.90	17.90	17.74		
15	36	20		17.85	17.84	17.65		
15	36	39		17.65	17.78	17.49		
15	75	0		17.65	17.86	17.72		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.76	22.62	22.48	21.02	0.1265
10	1	25		22.53	22.40	22.52		
10	1	49		22.56	22.47	22.51		
10	25	0		21.82	21.68	21.57		
10	25	12		21.84	21.74	21.49		
10	25	25		21.62	21.59	21.49		
10	50	0		21.70	21.67	21.55		
10	1	0	16-QAM	22.10	21.93	21.89	20.36	0.1086
10	1	25		22.03	21.80	21.79		
10	1	49		21.76	21.74	21.67		
10	25	0		20.81	20.56	20.63		
10	25	12		20.86	20.75	20.53		
10	25	25		20.61	20.51	20.45		
10	50	0		20.79	20.60	20.50		
10	1	0	64-QAM	20.90	20.88	20.67	19.28	0.0847
10	1	25		21.02	20.78	20.62		
10	1	49		20.72	20.81	20.73		
10	25	0		19.59	19.74	19.52		
10	25	12		19.88	19.59	19.61		
10	25	25		19.60	19.49	19.54		
10	50	0		19.79	19.69	19.50		
10	1	0	256-QAM	18.25	17.82	17.94	16.51	0.0448
10	1	25		18.02	17.97	17.91		
10	1	49		17.86	17.63	17.61		
10	25	0		17.88	17.84	17.74		
10	25	12		17.93	17.69	17.61		
10	25	25		17.82	17.70	17.48		
10	50	0		17.84	17.75	17.82		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 0.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.86	22.61	22.52	21.12	0.1294
5	1	12		22.54	22.55	22.47		
5	1	24		22.49	22.50	22.51		
5	12	0		21.79	21.61	21.53		
5	12	7		21.71	21.58	21.57		
5	12	13		21.66	21.56	21.47		
5	25	0		21.87	21.71	21.58		
5	1	0	16-QAM	22.09	21.96	21.93	20.35	0.1084
5	1	12		22.01	21.75	21.76		
5	1	24		21.84	21.85	21.81		
5	12	0		20.87	20.73	20.51		
5	12	7		20.88	20.77	20.49		
5	12	13		20.65	20.54	20.56		
5	25	0		20.81	20.69	20.42		
5	1	0	64-QAM	20.86	20.85	20.67	19.13	0.0818
5	1	12		20.87	20.62	20.61		
5	1	24		20.75	20.74	20.71		
5	12	0		19.65	19.63	19.60		
5	12	7		19.79	19.72	19.61		
5	12	13		19.71	19.50	19.65		
5	25	0		19.78	19.60	19.62		
5	1	0	256-QAM	18.07	17.83	17.89	16.33	0.0430
5	1	12		18.00	17.87	17.80		
5	1	24		17.77	17.69	17.67		
5	12	0		17.90	17.76	17.62		
5	12	7		17.97	17.73	17.75		
5	12	13		17.79	17.68	17.57		
5	25	0		17.80	17.73	17.82		
Limit	ERP < 3W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.35	22.28	22.26	23.77	0.2382
20	1	49		22.29	22.22	22.17		
20	1	99		22.25	22.25	22.17		
20	50	0		22.33	22.25	22.18		
20	50	24		22.25	22.26	22.17		
20	50	50		22.32	22.18	22.21		
20	100	0		22.33	22.28	22.22		
20	1	0	16-QAM	22.27	22.23	22.19	23.75	0.2371
20	1	49		22.28	22.21	22.21		
20	1	99		22.33	22.24	22.20		
20	50	0		22.30	22.25	22.23		
20	50	24		22.26	22.21	22.22		
20	50	50		22.31	22.21	22.23		
20	100	0		22.32	22.25	22.24		
20	1	0	64-QAM	21.28	21.23	21.26	22.76	0.1888
20	1	49		21.34	21.23	21.24		
20	1	99		21.28	21.28	21.26		
20	50	0		20.31	20.42	20.56		
20	50	24		20.44	20.51	20.64		
20	50	50		20.46	20.60	20.71		
20	100	0		20.45	20.47	20.59		
20	1	0	256-QAM	18.34	18.46	18.64	20.21	0.1050
20	1	49		18.48	18.59	18.68		
20	1	99		18.48	18.63	18.79		
20	50	0		18.35	18.40	18.49		
20	50	24		18.50	18.42	18.74		
20	50	50		18.42	18.50	18.66		
20	100	0		18.45	18.44	18.59		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.30	22.28	22.25	23.72	0.2355
15	1	37		22.24	22.18	22.10		
15	1	74		22.19	22.18	22.10		
15	36	0		22.22	22.17	22.08		
15	36	20		22.20	22.21	22.10		
15	36	39		22.29	22.11	22.19		
15	75	0		22.24	22.18	22.19		
15	1	0	16-QAM	22.25	22.20	22.10	23.76	0.2377
15	1	37		22.23	22.14	22.15		
15	1	74		22.30	22.22	22.19		
15	36	0		22.25	22.23	22.16		
15	36	20		22.20	22.17	22.13		
15	36	39		22.34	22.19	22.14		
15	75	0		22.25	22.22	22.14		
15	1	0	64-QAM	21.26	21.19	21.18	22.70	0.1862
15	1	37		21.28	21.19	21.16		
15	1	74		21.26	21.24	21.21		
15	36	0		20.32	20.42	20.51		
15	36	20		20.41	20.46	20.59		
15	36	39		20.42	20.58	20.64		
15	75	0		20.36	20.39	20.53		
15	1	0	256-QAM	18.31	18.44	18.58	20.21	0.1050
15	1	37		18.41	18.55	18.65		
15	1	74		18.43	18.59	18.79		
15	36	0		18.29	18.37	18.49		
15	36	20		18.44	18.37	18.71		
15	36	39		18.38	18.45	18.57		
15	75	0		18.39	18.42	18.50		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.25	22.21	22.22	23.76	0.2377
10	1	25		22.23	22.14	22.10		
10	1	49		22.15	22.22	22.11		
10	25	0		22.19	22.21	22.11		
10	25	12		22.20	22.26	22.15		
10	25	25		22.34	22.16	22.20		
10	50	0		22.23	22.27	22.22		
10	1	0	16-QAM	22.22	22.17	22.10	23.75	0.2371
10	1	25		22.20	22.11	22.19		
10	1	49		22.32	22.20	22.16		
10	25	0		22.29	22.17	22.21		
10	25	12		22.21	22.13	22.18		
10	25	25		22.33	22.17	22.23		
10	50	0		22.26	22.21	22.15		
10	1	0	64-QAM	21.18	21.22	21.17	22.73	0.1875
10	1	25		21.31	21.14	21.16		
10	1	49		21.24	21.27	21.18		
10	25	0		20.33	20.34	20.50		
10	25	12		20.44	20.49	20.63		
10	25	25		20.40	20.50	20.62		
10	50	0		20.44	20.45	20.51		
10	1	0	256-QAM	18.31	18.44	18.55	20.20	0.1047
10	1	25		18.39	18.59	18.62		
10	1	49		18.41	18.59	18.78		
10	25	0		18.25	18.39	18.40		
10	25	12		18.41	18.41	18.74		
10	25	25		18.33	18.45	18.63		
10	50	0		18.45	18.38	18.56		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.25	22.27	22.26	23.70	0.2344
5	1	12		22.28	22.17	22.09		
5	1	24		22.17	22.20	22.14		
5	12	0		22.24	22.19	22.16		
5	12	7		22.16	22.19	22.14		
5	12	13		22.25	22.09	22.17		
5	25	0		22.23	22.24	22.18		
5	1	0	16-QAM	22.19	22.14	22.18	23.72	0.2355
5	1	12		22.22	22.18	22.13		
5	1	24		22.29	22.19	22.12		
5	12	0		22.24	22.23	22.13		
5	12	7		22.16	22.12	22.20		
5	12	13		22.29	22.13	22.16		
5	25	0		22.30	22.21	22.17		
5	1	0	64-QAM	21.21	21.13	21.25	22.74	0.1879
5	1	12		21.32	21.20	21.22		
5	1	24		21.20	21.21	21.24		
5	12	0		20.38	20.41	20.50		
5	12	7		20.38	20.43	20.60		
5	12	13		20.39	20.58	20.69		
5	25	0		20.41	20.40	20.57		
5	1	0	256-QAM	18.34	18.39	18.60	20.15	0.1035
5	1	12		18.45	18.58	18.67		
5	1	24		18.38	18.57	18.73		
5	12	0		18.26	18.32	18.49		
5	12	7		18.44	18.33	18.64		
5	12	13		18.42	18.48	18.62		
5	25	0		18.35	18.37	18.52		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.68	23.76	23.72	23.39	0.2183
20	1	49		23.68	23.73	23.62		
20	1	99		23.63	23.72	23.63		
20	50	0		23.59	23.72	23.66		
20	50	24		23.67	23.66	23.68		
20	50	50		23.60	23.71	23.70		
20	100	0		23.68	23.69	23.67		
20	1	0	16-QAM	23.62	23.71	23.65	23.38	0.2178
20	1	49		23.62	23.75	23.68		
20	1	99		23.65	23.74	23.72		
20	50	0		21.06	21.16	21.05		
20	50	24		21.15	21.10	21.12		
20	50	50		21.11	21.13	21.06		
20	100	0		21.09	21.05	21.08		
20	1	0	64-QAM	20.80	20.76	20.71	20.48	0.1117
20	1	49		20.85	20.78	20.77		
20	1	99		20.81	20.76	20.80		
20	50	0		20.07	20.09	20.07		
20	50	24		20.12	20.09	20.16		
20	50	50		20.14	20.14	20.05		
20	100	0		20.17	20.09	20.04		
20	1	0	256-QAM	18.09	18.06	18.00	17.83	0.0607
20	1	49		18.11	18.05	18.02		
20	1	99		18.05	18.03	18.06		
20	50	0		18.13	18.12	18.12		
20	50	24		18.00	18.20	18.16		
20	50	50		18.03	18.09	18.15		
20	100	0		18.02	18.13	18.15		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.59	23.73	23.68	23.36	0.2168
15	1	37		23.58	23.66	23.55		
15	1	74		23.61	23.69	23.62		
15	36	0		23.58	23.70	23.57		
15	36	20		23.60	23.69	23.63		
15	36	39		23.60	23.62	23.64		
15	75	0		23.64	23.59	23.64		
15	1	0	16-QAM	23.62	23.70	23.65	23.35	0.2163
15	1	37		23.53	23.72	23.61		
15	1	74		23.62	23.64	23.63		
15	36	0		21.04	21.15	21.05		
15	36	20		21.10	21.06	21.07		
15	36	39		21.05	21.09	20.99		
15	75	0		21.02	20.99	21.02		
15	1	0	64-QAM	20.71	20.76	20.71	20.42	0.1102
15	1	37		20.79	20.75	20.74		
15	1	74		20.77	20.74	20.72		
15	36	0		20.06	20.01	20.05		
15	36	20		20.08	20.04	20.09		
15	36	39		20.05	20.09	20.06		
15	75	0		20.10	20.05	20.07		
15	1	0	256-QAM	18.06	18.11	18.06	17.81	0.0604
15	1	37		18.02	18.06	18.09		
15	1	74		18.03	18.01	18.11		
15	36	0		18.04	18.06	18.05		
15	36	20		18.05	18.18	18.09		
15	36	39		18.07	18.07	18.11		
15	75	0		18.10	18.04	18.15		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.58	23.71	23.69	23.36	0.2168
10	1	25		23.64	23.73	23.55		
10	1	49		23.55	23.69	23.56		
10	25	0		23.52	23.70	23.63		
10	25	12		23.62	23.69	23.67		
10	25	25		23.54	23.70	23.66		
10	50	0		23.60	23.62	23.59		
10	1	0	16-QAM	23.59	23.68	23.58	23.36	0.2168
10	1	25		23.57	23.73	23.65		
10	1	49		23.61	23.70	23.72		
10	25	0		21.01	21.08	21.00		
10	25	12		21.10	21.04	21.11		
10	25	25		21.10	21.04	21.00		
10	50	0		21.06	20.95	21.07		
10	1	0	64-QAM	20.72	20.73	20.62	20.42	0.1102
10	1	25		20.79	20.73	20.69		
10	1	49		20.75	20.66	20.74		
10	25	0		20.01	20.06	20.06		
10	25	12		20.10	20.07	20.10		
10	25	25		20.13	20.12	20.30		
10	50	0		20.12	20.03	20.02		
10	1	0	256-QAM	18.07	18.03	18.06	17.80	0.0603
10	1	25		18.06	18.12	18.02		
10	1	49		18.05	18.11	18.06		
10	25	0		18.09	18.12	18.09		
10	25	12		18.04	18.17	18.10		
10	25	25		18.06	18.08	18.07		
10	50	0		18.03	18.09	18.11		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.68	23.74	23.70	23.38	0.2178
5	1	12		23.67	23.72	23.55		
5	1	24		23.62	23.75	23.56		
5	12	0		23.56	23.70	23.59		
5	12	7		23.59	23.72	23.65		
5	12	13		23.56	23.69	23.69		
5	25	0		23.59	23.65	23.64		
5	1	0	16-QAM	23.55	23.61	23.55	23.37	0.2173
5	1	12		23.56	23.74	23.62		
5	1	24		23.57	23.65	23.65		
5	12	0		21.03	21.07	21.00		
5	12	7		21.14	21.05	21.10		
5	12	13		21.01	21.11	21.03		
5	25	0		21.04	21.05	21.05		
5	1	0	64-QAM	20.76	20.67	20.67	20.45	0.1109
5	1	12		20.82	20.73	20.67		
5	1	24		20.77	20.66	20.78		
5	12	0		20.05	20.06	20.02		
5	12	7		20.04	20.09	20.08		
5	12	13		20.08	20.06	20.06		
5	25	0		20.17	20.09	20.01		
5	1	0	256-QAM	18.06	18.11	18.06	17.74	0.0594
5	1	12		18.03	18.09	18.03		
5	1	24		18.02	18.02	18.07		
5	12	0		18.03	18.06	18.06		
5	12	7		18.05	18.10	18.06		
5	12	13		18.02	18.07	18.07		
5	25	0		18.01	18.09	18.09		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.76	23.76	23.86	25.28	0.3373
20	1	49		23.74	23.70	23.83		
20	1	99		23.67	23.70	23.79		
20	50	0		23.66	23.76	23.83		
20	50	24		23.66	23.72	23.79		
20	50	50		23.67	23.69	23.76		
20	100	0		23.66	23.67	23.82		
20	1	0	16-QAM	23.74	23.69	23.84	25.26	0.3357
20	1	49		23.68	23.76	23.80		
20	1	99		23.75	23.74	23.84		
20	50	0		21.05	21.35	21.49		
20	50	24		21.13	21.40	21.53		
20	50	50		21.19	21.43	21.52		
20	100	0		21.12	21.47	21.46		
20	1	0	64-QAM	21.00	21.06	21.24	22.66	0.1845
20	1	49		21.05	21.13	21.14		
20	1	99		21.06	21.20	21.23		
20	50	0		20.14	20.33	20.46		
20	50	24		20.17	20.43	20.49		
20	50	50		20.18	20.47	20.60		
20	100	0		20.17	20.42	20.47		
20	1	0	256-QAM	18.31	18.34	18.23	19.83	0.0962
20	1	49		18.04	18.18	18.21		
20	1	99		18.15	18.22	18.04		
20	50	0		18.21	18.34	18.21		
20	50	24		18.18	18.28	18.23		
20	50	50		18.18	18.41	18.16		
20	100	0		18.25	18.33	18.16		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.71	23.75	23.82	25.24	0.3342
15	1	37		23.70	23.60	23.80		
15	1	74		23.59	23.66	23.72		
15	36	0		23.57	23.67	23.82		
15	36	20		23.65	23.70	23.79		
15	36	39		23.64	23.67	23.80		
15	75	0		23.61	23.65	23.76		
15	1	0	16-QAM	23.66	23.66	23.78	25.21	0.3319
15	1	37		23.68	23.66	23.79		
15	1	74		23.69	23.72	23.74		
15	36	0		21.11	21.30	21.49		
15	36	20		21.07	21.33	21.47		
15	36	39		21.16	21.35	21.48		
15	75	0		21.03	21.44	21.36		
15	1	0	64-QAM	21.11	21.02	21.19	22.61	0.1824
15	1	37		21.16	21.03	21.10		
15	1	74		21.05	21.16	21.17		
15	36	0		20.08	20.28	20.46		
15	36	20		20.09	20.35	20.40		
15	36	39		20.08	20.45	20.55		
15	75	0		20.13	20.41	20.44		
15	1	0	256-QAM	18.29	18.34	18.23	19.82	0.0959
15	1	37		18.00	18.17	18.21		
15	1	74		18.14	18.18	18.16		
15	36	0		18.16	18.32	18.11		
15	36	20		18.12	18.19	18.15		
15	36	39		18.16	18.40	18.10		
15	75	0		18.22	18.23	18.14		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.75	23.66	23.84	25.27	0.3365
10	1	25		23.72	23.66	23.85		
10	1	49		23.58	23.60	23.76		
10	25	0		23.58	23.67	23.82		
10	25	12		23.64	23.62	23.70		
10	25	25		23.64	23.61	23.82		
10	50	0		23.59	23.57	23.78		
10	1	0	16-QAM	23.64	23.61	23.78	25.20	0.3311
10	1	25		23.60	23.72	23.72		
10	1	49		23.73	23.65	23.78		
10	25	0		21.09	21.27	21.45		
10	25	12		21.04	21.36	21.47		
10	25	25		21.17	21.36	21.45		
10	50	0		21.09	21.45	21.37		
10	1	0	64-QAM	21.11	21.05	21.21	22.63	0.1832
10	1	25		21.13	21.03	21.11		
10	1	49		21.16	21.20	21.16		
10	25	0		20.04	20.32	20.46		
10	25	12		20.15	20.41	20.43		
10	25	25		20.08	20.42	20.51		
10	50	0		20.15	20.32	20.40		
10	1	0	256-QAM	18.29	18.29	18.20	19.80	0.0955
10	1	25		18.01	18.17	18.13		
10	1	49		18.08	18.22	18.11		
10	25	0		18.14	18.29	18.14		
10	25	12		18.10	18.26	18.23		
10	25	25		18.16	18.38	18.12		
10	50	0		18.25	18.24	18.10		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.70	23.74	23.83	25.25	0.3350
5	1	12		23.74	23.68	23.83		
5	1	24		23.65	23.61	23.78		
5	12	0		23.58	23.69	23.82		
5	12	7		23.56	23.62	23.73		
5	12	13		23.59	23.59	23.83		
5	25	0		23.63	23.64	23.74		
5	1	0	16-QAM	23.72	23.60	23.75	25.24	0.3342
5	1	12		23.68	23.70	23.71		
5	1	24		23.66	23.72	23.82		
5	12	0		21.04	21.29	21.41		
5	12	7		21.04	21.37	21.45		
5	12	13		21.15	21.43	21.50		
5	25	0		21.07	21.45	21.44		
5	1	0	64-QAM	21.06	21.04	21.16	22.65	0.1841
5	1	12		21.05	21.05	21.06		
5	1	24		21.11	21.11	21.23		
5	12	0		20.07	20.24	20.42		
5	12	7		20.13	20.37	20.49		
5	12	13		20.10	20.37	20.56		
5	25	0		20.15	20.40	20.46		
5	1	0	256-QAM	18.29	18.26	18.16	19.77	0.0948
5	1	12		18.04	18.17	18.03		
5	1	24		18.08	18.21	18.05		
5	12	0		18.15	18.27	18.16		
5	12	7		18.17	18.25	18.19		
5	12	13		18.11	18.35	18.11		
5	25	0		18.15	18.28	18.10		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	25.31	25.36	25.48	26.90	0.4898
20	1	49		25.30	25.30	25.38		
20	1	99		25.25	25.35	25.43		
20	50	0		24.47	24.47	24.67		
20	50	24		24.48	24.55	24.65		
20	50	50		24.49	24.55	24.66		
20	100	0		24.42	24.48	24.63		
20	1	0	16-QAM	24.50	24.46	24.58	26.01	0.3990
20	1	49		24.47	24.53	24.59		
20	1	99		24.43	24.51	24.59		
20	50	0		23.47	23.47	23.62		
20	50	24		23.47	23.47	23.66		
20	50	50		23.45	23.50	23.67		
20	100	0		23.42	23.50	23.61		
20	1	0	64-QAM	23.43	23.54	23.58	25.07	0.3214
20	1	49		23.47	23.54	23.60		
20	1	99		23.50	23.50	23.65		
20	50	0		22.00	22.03	22.09		
20	50	24		21.97	21.98	22.16		
20	50	50		21.95	22.02	22.14		
20	100	0		21.93	21.96	22.13		
20	1	0	256-QAM	19.76	19.86	19.68	21.74	0.1493
20	1	49		19.88	20.02	19.91		
20	1	99		20.31	20.32	20.22		
20	50	0		19.77	19.95	19.88		
20	50	24		19.89	19.98	19.94		
20	50	50		20.00	20.02	19.99		
20	100	0		19.92	20.03	19.98		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	25.22	25.34	25.45	26.87	0.4864
15	1	37		25.24	25.25	25.34		
15	1	74		25.22	25.28	25.34		
15	36	0		24.44	24.47	24.55		
15	36	20		24.41	24.48	24.63		
15	36	39		24.44	24.46	24.63		
15	75	0		24.42	24.48	24.58		
15	1	0	16-QAM	24.48	24.44	24.48	25.99	0.3972
15	1	37		24.42	24.44	24.56		
15	1	74		24.37	24.44	24.57		
15	36	0		23.40	23.47	23.56		
15	36	20		23.47	23.41	23.61		
15	36	39		23.40	23.43	23.60		
15	75	0		23.40	23.40	23.57		
15	1	0	64-QAM	23.38	23.47	23.54	25.01	0.3170
15	1	37		23.44	23.53	23.59		
15	1	74		23.43	23.46	23.59		
15	36	0		21.95	22.01	22.05		
15	36	20		21.95	21.92	22.15		
15	36	39		21.89	21.93	22.04		
15	75	0		21.89	21.86	22.11		
15	1	0	256-QAM	19.67	19.84	19.66	21.70	0.1479
15	1	37		19.80	19.92	19.85		
15	1	74		20.24	20.28	20.17		
15	36	0		19.67	19.94	19.81		
15	36	20		19.82	19.89	19.89		
15	36	39		19.95	19.99	19.92		
15	75	0		19.85	19.99	19.90		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	25.31	25.35	25.46	26.88	0.4875
10	1	25		25.27	25.27	25.32		
10	1	49		25.17	25.29	25.39		
10	25	0		24.43	24.38	24.56		
10	25	12		24.40	24.46	24.59		
10	25	25		24.43	24.53	24.62		
10	50	0		24.37	24.43	24.61		
10	1	0	16-QAM	24.46	24.36	24.50	25.98	0.3963
10	1	25		24.46	24.46	24.56		
10	1	49		24.42	24.48	24.50		
10	25	0		23.37	23.43	23.62		
10	25	12		23.45	23.38	23.64		
10	25	25		23.45	23.44	23.63		
10	50	0		23.35	23.46	23.59		
10	1	0	64-QAM	23.42	23.53	23.58	25.07	0.3214
10	1	25		23.41	23.52	23.51		
10	1	49		23.41	23.43	23.65		
10	25	0		21.97	22.00	22.01		
10	25	12		21.89	21.97	22.15		
10	25	25		21.86	21.92	22.11		
10	50	0		21.84	21.89	22.15		
10	1	0	256-QAM	19.72	19.76	19.62	21.68	0.1472
10	1	25		19.88	19.92	19.88		
10	1	49		20.23	20.26	20.22		
10	25	0		19.74	19.94	19.80		
10	25	12		19.84	19.98	19.87		
10	25	25		19.93	19.93	19.90		
10	50	0		19.86	19.97	19.89		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.42 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	25.25	25.30	25.41	26.83	0.4819
5	1	12		25.22	25.21	25.38		
5	1	24		25.21	25.33	25.37		
5	12	0		24.37	24.41	24.58		
5	12	7		24.44	24.50	24.58		
5	12	13		24.43	24.48	24.60		
5	25	0		24.40	24.41	24.61		
5	1	0	16-QAM	24.41	24.41	24.52	26.01	0.3990
5	1	12		24.37	24.51	24.51		
5	1	24		24.36	24.50	24.59		
5	12	0		23.40	23.41	23.53		
5	12	7		23.47	23.46	23.66		
5	12	13		23.41	23.40	23.59		
5	25	0		23.42	23.40	23.52		
5	1	0	64-QAM	23.34	23.48	23.56	24.99	0.3155
5	1	12		23.41	23.52	23.57		
5	1	24		23.48	23.43	23.55		
5	12	0		21.95	21.94	22.01		
5	12	7		21.92	21.91	22.12		
5	12	13		21.92	21.96	22.06		
5	25	0		21.91	21.92	22.17		
5	1	0	256-QAM	19.68	19.82	19.66	21.71	0.1483
5	1	12		19.83	19.96	19.84		
5	1	24		20.29	20.26	20.18		
5	12	0		19.74	19.93	19.85		
5	12	7		19.86	19.91	19.91		
5	12	13		19.90	19.97	19.91		
5	25	0		19.87	20.01	19.95		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.37	23.65	23.46	25.07	0.3214
20+20	1	99	1	0	16-QAM	22.50	22.60	22.80	24.22	0.2642
20+20	1	99	1	0	64-QAM	19.63	19.36	20.57	21.99	0.1581
20+20	1	99	1	0	256-QAM	17.76	18.33	18.57	19.99	0.0998
20+15	1	99	1	0	QPSK	23.39	23.44	23.39	24.86	0.3062
20+15	1	99	1	0	16-QAM	22.44	22.61	22.67	24.09	0.2564
20+15	1	99	1	0	64-QAM	18.75	19.58	19.87	21.29	0.1346
20+15	1	99	1	0	256-QAM	17.75	18.48	18.77	20.19	0.1045
15+20	1	74	1	0	QPSK	23.40	23.29	23.38	24.82	0.3034
15+20	1	74	1	0	16-QAM	22.43	22.56	22.70	24.12	0.2582
15+20	1	74	1	0	64-QAM	19.31	18.99	20.37	21.79	0.1510
15+20	1	74	1	0	256-QAM	18.23	17.95	18.60	20.02	0.1005
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	23.27	23.44	23.27	24.86	0.3062
20+10	1	99	1	0	16-QAM	22.36	22.65	22.56	24.07	0.2553
20+10	1	99	1	0	64-QAM	18.72	20.01	19.12	21.43	0.1390
20+10	1	99	1	0	256-QAM	17.53	18.61	18.19	20.03	0.1007
10+20	1	74	1	0	QPSK	23.19	22.36	23.34	24.76	0.2992
10+20	1	74	1	0	16-QAM	22.51	22.43	22.57	23.99	0.2506
10+20	1	74	1	0	64-QAM	19.21	18.80	20.53	21.95	0.1567
10+20	1	74	1	0	256-QAM	17.56	17.66	18.57	19.99	0.0998
15+15	1	74	1	0	QPSK	23.45	23.74	23.47	25.16	0.3281
15+15	1	74	1	0	16-QAM	22.59	22.70	22.90	24.32	0.2704
15+15	1	74	1	0	64-QAM	19.10	19.32	19.73	21.15	0.1303
15+15	1	74	1	0	256-QAM	18.10	18.29	18.53	19.95	0.0989
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	1	74	1	0	QPSK	23.64	23.76	23.46	25.18	0.3296
15+10	1	74	1	0	16-QAM	22.83	23.00	22.64	24.42	0.2767
15+10	1	74	1	0	64-QAM	19.23	19.79	19.27	21.21	0.1321
15+10	1	74	1	0	256-QAM	18.21	18.74	18.30	20.16	0.1038
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.42	22.43	23.48	24.90	0.3090
20+20	1	99	1	0	16-QAM	22.75	22.85	22.71	24.27	0.2673
20+20	1	99	1	0	64-QAM	21.53	21.36	21.16	22.95	0.1972
20+20	1	99	1	0	256-QAM	18.63	18.58	18.54	20.05	0.1012
20+15	1	99	1	0	QPSK	23.41	23.44	23.50	24.92	0.3105
20+15	1	99	1	0	16-QAM	22.79	22.86	22.77	24.28	0.2679
20+15	1	99	1	0	64-QAM	21.54	21.45	21.11	22.96	0.1977
20+15	1	99	1	0	256-QAM	18.66	18.61	18.59	20.08	0.1019
15+20	1	74	1	0	QPSK	23.43	23.48	23.50	24.92	0.3105
15+20	1	74	1	0	16-QAM	22.77	22.86	22.74	24.28	0.2679
15+20	1	74	1	0	64-QAM	21.49	21.45	21.20	22.91	0.1954
15+20	1	74	1	0	256-QAM	18.61	18.66	18.54	20.08	0.1019
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	23.65	23.54	23.58	25.07	0.3214
20+10	1	99	1	0	16-QAM	22.82	22.78	22.79	24.24	0.2655
20+10	1	99	1	0	64-QAM	21.58	21.52	21.04	23.00	0.1995
20+10	1	99	1	0	256-QAM	18.74	18.70	18.64	20.16	0.1038
10+20	1	49	1	0	QPSK	23.41	23.52	23.56	24.98	0.3148
10+20	1	49	1	0	16-QAM	22.66	22.95	22.79	24.37	0.2735
10+20	1	49	1	0	64-QAM	21.45	21.54	21.06	22.96	0.1977
10+20	1	49	1	0	256-QAM	18.62	18.76	18.64	20.18	0.1042
20+5	1	99	1	0	QPSK	23.54	23.56	23.55	24.98	0.3148
20+5	1	99	1	0	16-QAM	22.76	22.76	22.81	24.23	0.2649
20+5	1	99	1	0	64-QAM	21.59	21.57	21.02	23.01	0.2000
20+5	1	99	1	0	256-QAM	18.79	18.87	18.66	20.29	0.1069
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	23.59	23.68	23.65	25.10	0.3236
5+20	1	24	1	0	16-QAM	22.68	22.90	22.84	24.32	0.2704
5+20	1	24	1	0	64-QAM	21.52	21.67	21.48	23.09	0.2037
5+20	1	24	1	0	256-QAM	18.64	18.81	18.71	20.23	0.1054
15+10	1	74	1	0	QPSK	23.51	23.57	23.58	25.00	0.3162
15+10	1	74	1	0	16-QAM	22.87	22.78	22.80	24.29	0.2685
15+10	1	74	1	0	64-QAM	21.56	21.55	21.18	22.98	0.1986
15+10	1	74	1	0	256-QAM	18.68	18.69	18.68	20.11	0.1026
10+15	1	49	1	0	QPSK	23.40	23.54	23.56	24.98	0.3148
10+15	1	49	1	0	16-QAM	22.69	22.72	22.76	24.18	0.2618
10+15	1	49	1	0	64-QAM	21.48	21.53	21.34	22.95	0.1972
10+15	1	49	1	0	256-QAM	18.60	18.69	18.66	20.11	0.1026
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 1.42 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	1	74	1	0	QPSK	23.45	23.48	22.53	24.90	0.3090
15+15	1	74	1	0	16-QAM	22.83	22.85	22.64	24.27	0.2673
15+15	1	74	1	0	64-QAM	21.47	21.37	21.18	22.89	0.1945
15+15	1	74	1	0	256-QAM	18.62	18.62	18.60	20.04	0.1009
Limit	EIRP < 2W					Result			Pass	

Appendix B. Test Results of Radiated Test

LTE Band 5

LTE Band 5 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-60.25	-13	-47.25	-75.55	-61.12	6.35	9.37	H
	2473	-59.52	-13	-46.52	-76.17	-59.71	8.03	10.37	H
	3297	-57.19	-13	-44.19	-76.43	-57.91	9.16	12.03	H
									H
									H
									H
									H
	1644.6	-60.18	-13	-47.18	-75.43	-61.04	6.34	9.35	V
	2473	-59.43	-13	-46.43	-75.93	-59.62	8.03	10.37	V
	3297	-56.52	-13	-43.52	-75.86	-57.24	9.16	12.03	V
									V
									V
									V
									V
Middle	1668	-59.36	-13	-46.36	-74.91	-60.27	6.38	9.44	H
	2503	-59.80	-13	-46.80	-76.38	-60.00	8.17	10.52	H
	3337	-56.91	-13	-43.91	-76.19	-57.76	9.25	12.25	H
									H
									H
									H
									H
	1668	-59.61	-13	-46.61	-75.14	-60.52	6.38	9.44	V
	2503	-59.59	-13	-46.59	-76.01	-59.79	8.17	10.52	V
	3337	-56.56	-13	-43.56	-75.91	-57.41	9.25	12.25	V
									V
									V
									V
									V

Highest	1691.4	-59.30	-13	-46.30	-75.14	-60.25	6.42	9.52	H
	2533	-59.00	-13	-46.00	-75.96	-59.41	8.11	10.67	H
	3377	-57.20	-13	-44.20	-76.52	-58.18	9.34	12.47	H
									H
									H
									H
									H
	1691.4	-59.02	-13	-46.02	-74.82	-59.97	6.42	9.52	V
	2533	-59.13	-13	-46.13	-75.97	-59.54	8.11	10.67	V
	3377	-57.08	-13	-44.08	-76.44	-58.06	9.34	12.47	V
									V
									V
									V
									V

LTE Band 2

LTE Band 2 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3701	-55.05	-13	-42.05	-76.16	-57.22	9.93	12.10	H
	5551	-54.36	-13	-41.36	-77.71	-53.85	13.66	13.15	H
	7402	-46.41	-13	-33.41	-76.5	-43.87	13.94	11.40	H
									H
									H
									H
									H
	3701	-55.13	-13	-42.13	-76.11	-57.30	9.93	12.10	V
	5551	-53.45	-13	-40.45	-77.36	-52.94	13.66	13.15	V
	7402	-46.41	-13	-33.41	-76.68	-43.87	13.94	11.40	V
									V
									V
									V
									V
Middle	3749	-54.51	-13	-41.51	-75.72	-56.62	10.04	12.15	H
	5626	-53.05	-13	-40.05	-76.31	-52.37	13.91	13.23	H
	7502	-47.09	-13	-34.09	-76.63	-43.56	14.74	11.21	H
									H
									H
									H
									H
	3749	-54.56	-13	-41.56	-75.71	-56.67	10.04	12.15	V
	5626	-52.80	-13	-39.80	-76.57	-52.12	13.91	13.23	V
	7502	-46.77	-13	-33.77	-76.39	-43.24	14.74	11.21	V
									V
									V
									V
									V

Highest	3798	-54.49	-13	-41.49	-75.81	-56.54	10.15	12.20	H
	5701	-53.73	-13	-40.73	-77.17	-53.24	13.79	13.30	H
	7602	-47.38	-13	-34.38	-76.48	-43.75	15.23	11.60	H
									H
									H
									H
									H
	3798	-54.55	-13	-41.55	-75.86	-56.60	10.15	12.20	V
	5701	-53.19	-13	-40.19	-77.15	-52.70	13.79	13.30	V
	7602	-47.13	-13	-34.13	-76.3	-43.50	15.23	11.60	V
									V
									V
									V
									V

LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1554	-60.45	-13	-47.45	-74.99	-60.71	6.28	8.69	H
	2332	-59.15	-13	-46.15	-76.35	-59.12	7.54	9.66	H
	3109	-57.52	-13	-44.52	-76.37	-57.88	8.81	11.32	H
									H
									H
									H
									H
	1554	-61.00	-13.00	-48.00	-75.49	-61.26	6.28	8.69	V
	2332	-59.03	-13	-46.03	-76.21	-59.00	7.54	9.66	V
	3109	-57.80	-13	-44.80	-76.55	-58.16	8.81	11.32	V
									V
									V
									V
									V
Middle	1560	-60.58	-42.15	-18.43	-75.14	-60.91	6.28	8.76	H
	2336	-59.08	-13	-46.08	-76.26	-59.07	7.54	9.68	H
	3120	-57.08	-13	-44.08	-75.97	-57.44	8.83	11.34	H
									H
									H
									H
									H
	1560	-60.56	-42.15	-18.41	-75.07	-60.89	6.28	8.76	V
	2336	-59.35	-13	-46.35	-76.50	-59.34	7.54	9.68	V
	3120	-57.29	-13	-44.29	-76.11	-57.65	8.83	11.34	V
									V
									V
									V
									V

Highest	1564	-60.70	-42.15	-18.55	-75.28	-61.07	6.28	8.80	H
	2347	-59.07	-13	-46.07	-76.22	-59.10	7.56	9.74	H
	3129	-57.31	-13	-44.31	-76.23	-57.68	8.84	11.36	H
									H
									H
									H
									H
	1564	-60.75	-42.15	-18.60	-75.29	-61.12	6.28	8.80	V
	2347	-59.10	-13	-46.10	-76.21	-59.13	7.56	9.74	V
	3129	-57.32	-13	-44.32	-76.19	-57.69	8.84	11.36	V
									V
									V
									V
									V

LTE Band 13

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-60.01	-13	-47.01	-74.56	-60.29	6.28	8.71	H
	2332	-58.73	-13	-45.73	-75.93	-58.70	7.54	9.66	H
	3110	-57.34	-13	-44.34	-76.2	-57.70	8.81	11.32	H
									H
									H
									H
									H
	1555	-60.58	-13	-47.58	-75.07	-60.86	6.28	8.71	V
	2332	-59.02	-13	-46.02	-76.2	-58.99	7.54	9.66	V
	3110	-57.71	-13	-44.71	-76.47	-58.07	8.81	11.32	V
									V
									V
									V
									V

LTE Band 12

LTE Band 12 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-59.92	-13.00	-46.92	-74.06	-59.16	5.81	7.20	H
	2098	-59.09	-13.00	-46.09	-75.61	-59.30	7.15	9.51	H
	2797	-58.30	-13.00	-45.30	-76.03	-58.47	8.58	10.90	H
									H
									H
									H
									H
	1399	-59.60	-13.00	-46.60	-74.13	-58.84	5.81	7.20	V
	2098	-58.54	-13.00	-45.54	-75.10	-58.75	7.15	9.51	V
	2797	-58.19	-13.00	-45.19	-75.81	-58.36	8.58	10.90	V
									V
									V
									V
									V
Middle	1411	-60.36	-13.00	-47.36	-74.53	-59.65	5.86	7.30	H
	2116	-59.02	-13.00	-46.02	-75.75	-59.11	7.18	9.42	H
	2821	-58.13	-13.00	-45.13	-75.94	-58.30	8.60	10.92	H
									H
									H
									H
									H
	1411	-59.36	-13.00	-46.36	-73.86	-58.65	5.86	7.30	V
	2116	-58.59	-13.00	-45.59	-75.39	-58.68	7.18	9.42	V
	2821	-58.40	-13.00	-45.40	-76.06	-58.57	8.60	10.92	V
									V
									V
									V
									V

Highest	1423	-59.79	-13.00	-46.79	-73.99	-59.13	5.92	7.41	H
	2134	-59.05	-13.00	-46.05	-75.98	-59.02	7.21	9.33	H
	2845	-58.18	-13.00	-45.18	-76.07	-58.37	8.61	10.95	H
									H
									H
									H
									H
	1423	-60.06	-13.00	-47.06	-74.52	-59.40	5.92	7.41	V
	2134	-58.02	-13.00	-45.02	-75.06	-57.99	7.21	9.33	V
	2845	-57.96	-13.00	-44.96	-75.67	-58.15	8.61	10.95	V
									V
									V
									V
									V

LTE Band 4

LTE Band 4 / 3MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-55.78	-13	-42.78	-76.07	-58.93	9.41	12.56	H
	5130	-53.01	-13	-40.01	-76.71	-53.58	12.10	12.67	H
	6840	-48.70	-13	-35.70	-77.13	-47.17	13.97	12.44	H
									H
									H
									H
									H
	3420	-56.14	-13	-43.14	-76.43	-59.29	9.41	12.56	V
	5130	-52.65	-13	-39.65	-76.61	-53.22	12.10	12.67	V
	6840	-49.09	-13	-36.09	-77.35	-47.56	13.97	12.44	V
									V
									V
									V
									V
Middle	3462	-56.03	-13	-43.03	-76.55	-59.05	9.46	12.48	H
	5193	-53.06	-13	-40.06	-76.91	-53.57	12.19	12.70	H
	6924	-48.74	-13	-35.74	-77.16	-46.82	14.02	12.10	H
									H
									H
									H
									H
	3462	-55.77	-13	-42.77	-76.27	-58.79	9.46	12.48	V
	5193	-52.61	-13	-39.61	-76.7	-53.12	12.19	12.70	V
	6924	-48.58	-13	-35.58	-76.85	-46.66	14.02	12.10	V
									V
									V
									V
									V

Highest	3504	-55.87	-13	-42.87	-76.6	-58.74	9.51	12.38	H
	5256	-52.40	-13	-39.40	-76.34	-52.82	12.45	12.87	H
	7008	-48.42	-13	-35.42	-76.84	-46.14	14.06	11.78	H
									H
									H
									H
									H
	3504	-55.58	-13	-42.58	-76.25	-58.45	9.51	12.38	V
	5256	-53.22	-13	-40.22	-77.49	-53.64	12.45	12.87	V
	7008	-48.25	-13	-35.25	-76.58	-45.97	14.06	11.78	V
									V
									V
									V
									V

LTE Band 71

LTE Band 71 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1326	-61.36	-13	-48.36	-75.31	-60.53	5.62	6.94	H
	1990	-60.87	-13	-47.87	-76.41	-61.78	6.94	10.00	H
	2653	-58.74	-13	-45.74	-76.53	-59.42	8.14	10.97	H
									H
									H
									H
									H
	1326	-61.48	-13	-48.48	-75.41	-60.65	5.62	6.94	V
	1990	-61.10	-13	-48.10	-76.49	-62.01	6.94	10.00	V
	2653	-58.54	-13	-45.54	-76.27	-59.22	8.14	10.97	V
									V
									V
									V
									V
Middle	1346	-61.80	-13	-48.80	-75.80	-60.99	5.67	7.01	H
	2020	-61.05	-13	-48.05	-76.74	-61.80	7.00	9.90	H
	2696	-58.80	-13	-45.80	-76.57	-59.33	8.27	10.95	H
									H
									H
									H
									H
	1346	-61.41	-13	-48.41	-75.50	-60.60	5.67	7.01	V
	2020	-61.08	-13	-48.08	-76.65	-61.83	7.00	9.90	V
	2696	-58.82	-13	-45.82	-76.51	-59.35	8.27	10.95	V
									V
									V
									V
									V

Highest	1386	-61.06	-13	-48.06	-75.16	-60.29	5.77	7.15	H
	2080	-60.10	-13	-47.10	-76.34	-60.44	7.11	9.60	H
	2773	-58.59	-13	-45.59	-76.32	-58.84	8.51	10.91	H
									H
									H
									H
									H
	1386	-60.93	-13	-47.93	-75.34	-60.16	5.77	7.15	V
	2080	-60.60	-13	-47.60	-76.84	-60.94	7.11	9.60	V
	2773	-59.13	-13	-46.13	-76.76	-59.38	8.51	10.91	V
									V
									V
									V
									V

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

LTE Band 41 HPUE

LTE Band 41 (HPUE) / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4993	-63.03	-25	-38.03	-58.11	-72.44	1.52	10.93	H
	7489	-52.40	-25	-27.40	-52.21	-61.72	1.94	11.26	H
	9986	-58.58	-25	-33.58	-63.19	-68.11	2.33	11.86	H
									H
									H
									H
									H
	4993	-63.23	-25	-38.23	-58.06	-72.64	1.52	10.93	V
	7489	-47.61	-25	-22.61	-47.41	-56.93	1.94	11.26	V
	9986	-59.35	-25	-34.35	-63.18	-68.88	2.33	11.86	V
									V
									V
									V
									V
Middle	5177	-60.74	-25	-35.74	-56.42	-70.54	1.56	11.35	H
	7767	-54.79	-25	-29.79	-54.86	-64.01	1.95	11.17	H
	10352	-57.50	-25	-32.50	-62.66	-66.95	2.35	11.80	H
									H
									H
									H
									H
	5177	-61.06	-25	-36.06	-56.65	-70.86	1.56	11.35	V
	7767	-47.89	-25	-22.89	-47.78	-57.11	1.95	11.17	V
	10352	-58.61	-25	-33.61	-62.8	-68.06	2.35	11.80	V
									V
									V
									V
									V

Highest	5361	-60.89	-25	-35.89	-57.44	-71.20	1.59	11.90	H
	8041	-59.46	-25	-34.46	-61.1	-68.60	1.96	11.10	H
	10722	-57.83	-25	-32.83	-63.49	-67.05	2.38	11.60	H
									H
									H
									H
									H
	5361	-56.82	-25	-31.82	-53.21	-67.13	1.59	11.90	V
	8041	-59.67	-25	-34.67	-61.46	-68.81	1.96	11.10	V
	10722	-58.62	-25	-33.62	-63.39	-67.84	2.38	11.60	V
									V
									V
									V
									V