FCC RADIO TEST REPORT

FCC ID	:	**UZ7-ET85B**
Equipment	:	**2 in 1 Tablet PC with Windows OS**
Brand Name	:	**Zebra**
Model Name	:	**ET85B**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Aug. 27, 2021 and testing was performed from Sep. 03, 2021 to Nov. 16, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FG162601B	01	Initial issue of report	Dec. 14, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	-	See Note

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66)	Pass	Under limit 16.33 dB at 10683.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
Remark: The module (Model: EM121R-GL) makes no difference after verifying output power, this report reuses test data from the module report.				

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

Reviewed by: Wei Chen

Report Producer: Cindy Liu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	2 in 1 Tablet PC with Windows OS
Brand Name	Zebra
Model Name	ET85B
FCC ID	UZ7-ET85B
EUT supports Radios application	WCDMA/HSPA/LTE/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	DV
SW Version	Windows 10 Pro
MFD	2021/Feb.
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Specification of Accessories				
Adaptor with CLA cable	**Brand Name**	Zebra	**Model Number**	ADP-45XE B
Battery	**Brand Name**	ZEBRA	**Model Number**	BT-000433
Power cord	**Brand Name**	Zebra	**Model Number**	450040

Supported Unit used in test configuration and system				
CAC Reader	**Brand Name**	Zebra	**Model Number**	ZBK-ET8X-SMARTCARD-01
Keyboard	**Brand Name**	Zebra	**Model Number**	KBD-ET8X

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 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26: 824.7MHz ~ 848.3 MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 41 (HPUE): 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz
Rx Frequency	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26: 869.7MHz ~ 893.3MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 41 (HPUE): 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 7: 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 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

Product Specification is subject to this standard	
Maximum Output Power to Antenna	LTE Band 2 : 24.19 dBm LTE Band 4 : 23.74 dBm LTE Band 5 : 24.22 dBm LTE Band 7 : 24.15 dBm LTE Band 12 : 23.91 dBm LTE Band 13 : 24.19 dBm LTE Band 25 : 24.30 dBm LTE Band 26 : 24.23 dBm LTE Band 38 : 24.19 dBm LTE Band 41 : 24.09 dBm LTE Band 41 : 26.37 dBm for HPUE LTE Band 66 : 24.31 dBm
Antenna Type	Fixed Internal Antenna
Antenna Gain	**<Main>:** LTE Band 2: 1.49 dBi LTE Band 4: 0.68 dBi LTE Band 5: 0.91 dBi LTE Band 7: 0.36 dBi LTE Band 12: 0.10 dBi LTE Band 13: -0.45 dBi LTE Band 25: 1.49 dBi LTE Band 26: 0.91 dBi LTE Band 38: -0.50 dBi LTE Band 41: 0.50 dBi LTE Band 66: 0.68 dBi **<Aux.>:** LTE Band 2: 1.55 dBi LTE Band 4: -0.23 dBi LTE Band 5: -1.06 dBi LTE Band 7: 0.78 dBi LTE Band 12: 0.35 dBi LTE Band 13: 0.45 dBi LTE Band 25: 1.55 dBi LTE Band 26: -1.06 dBi LTE Band 38: 0.32 dBi LTE Band 41: 1.27 dBi LTE Band 66: -0.23 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

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

1.3 Modification of EUT

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

1.4 Emission Designator

LTE Band 2		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	0.3724	0.2897	0.2188
3	1851.5 ~ 1908.5	0.3733	0.2877	0.2148
5	1852.5 ~ 1907.5	0.3707	0.2858	0.2168
10	1855.0 ~ 1905.0	0.3698	0.2884	0.2148
15	1857.5 ~ 1902.5	0.3733	0.2884	0.2163
20	1860.0 ~ 1900.0	0.3750	0.2917	0.2198
LTE Band 4		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1710.7 ~ 1754.3	0.2761	0.2483	0.1910
3	1711.5 ~ 1753.5	0.2723	0.2455	0.1795
5	1712.5 ~ 1752.5	0.2761	0.2506	0.1791
10	1715.0 ~ 1750.0	0.2748	0.2500	0.1766
15	1717.5 ~ 1747.5	0.2742	0.2500	0.1758
20	1720.0 ~ 1745.0	0.2767	0.2506	0.1795
LTE Band 5		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)	Maximum ERP(W)
1.4	824.7 ~ 848.3	0.1977	0.1514	0.1321
3	825.5 ~ 847.5	0.1950	0.1503	0.1291
5	826.5 ~ 846.5	0.1950	0.1514	0.1297
10	829.0 ~ 844.0	0.1986	0.1521	0.1321
LTE Band 7		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	0.3076	0.2371	0.1919
10	2505.0 ~ 2565.0	0.3055	0.2388	0.1919
15	2507.5 ~ 2562.5	0.3034	0.2410	0.1945
20	2510.0 ~ 2560.0	0.3112	0.2410	0.1945

LTE Band 12		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)	Maximum ERP(W)
1.4	699.7 ~ 715.3	0.1592	0.1413	0.1064
3	700.5 ~ 714.5	0.1589	0.1406	0.1067
5	701.5 ~ 713.5	0.1611	0.1426	0.1072
10	704.0 ~ 711.0	0.1626	0.1449	0.1079
LTE Band 13		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)	Maximum ERP(W)
5	779.5 ~ 784.5	0.1742	0.1524	0.1156
10	782.0	0.1744	0.1524	0.1205
LTE Band 25		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	0.3776	0.2938	0.2415
3	1851.5 ~ 1913.5	0.3767	0.2958	0.2415
5	1852.5 ~ 1912.5	0.3784	0.2972	0.2410
10	1855.0 ~ 1910.0	0.3784	0.2911	0.2382
15	1857.5 ~ 1907.5	0.3793	0.2931	0.2382
20	1860.0 ~ 1905.0	0.3846	0.2972	0.2432
LTE Band 26		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)	Maximum ERP(W)
1.4	824.7 ~ 848.3	0.1982	0.1679	0.1245
3	825.5 ~ 847.5	0.1991	0.1675	0.1250
5	826.5 ~ 846.5	0.1986	0.1679	0.1253
10	829.0 ~ 844.0	0.1986	0.1675	0.1245
15	831.5 ~ 841.5	0.1991	0.1687	0.1259

LTE Band 38		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
5	2572.5 ~ 2617.5	0.2799	0.2113	0.1901
10	2575.0 ~ 2615.0	0.2812	0.2113	0.1928
15	2577.5 ~ 2612.5	0.2767	0.2094	0.1932
20	2580.0 ~ 2610.0	0.2825	0.2118	0.1941
LTE Band 41		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	0.3412	0.2582	0.1968
10	2501.0 ~ 2685.0	0.3381	0.2630	0.1950
15	2503.5 ~ 2682.5	0.3436	0.2612	0.1950
20	2506.0 ~ 2680.0	0.3388	0.2636	0.1991
LTE Band 41 (HPUE)		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	0.5675	0.4539	0.3548
10	2501.0 ~ 2685.0	0.5610	0.4539	0.3606
15	2503.5 ~ 2682.5	0.5741	0.4571	0.3622
20	2506.0 ~ 2680.0	0.5808	0.4645	0.3681
LTE Band 66		QPSK	16QAM	64QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1710.7 ~ 1779.3	0.3148	0.2460	0.1910
3	1711.5 ~ 1778.5	0.3148	0.2483	0.1892
5	1712.5 ~ 1777.5	0.3133	0.2449	0.1888
10	1715.0 ~ 1775.0	0.3105	0.2455	0.1897
15	1717.5 ~ 1772.5	0.3126	0.2460	0.1928
20	1720.0 ~ 1770.0	0.3155	0.2489	0.1928

1.5 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Bryant Liu
Temperature (℃)	22.9~23.1
Relative Humidity (%)	53~56

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Lance Chiang and Chuan Chu
Temperature (℃)	22.3~26.4
Relative Humidity (%)	58~66
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory

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

FCC Designation No.: TW1190 and TW3786

1.6 Applicable Standards

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

- ANSI C63.26-2015
- ANSI / TIA-603-E
- FCC 47 CFR Part 2, 22(H), 24(E), 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

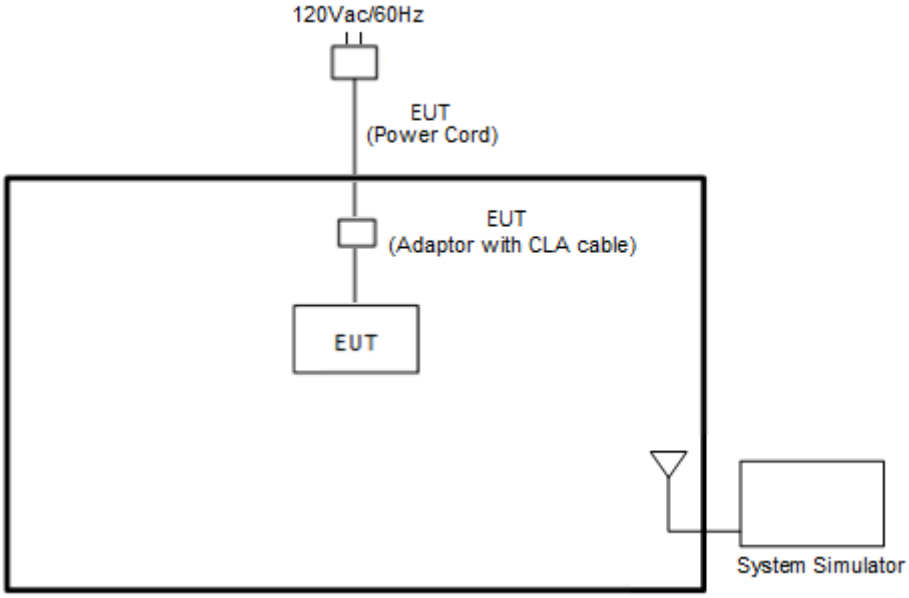
For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find (X Plane with Adapter for LTE Band 2, 5, 12, 13, 66; X Plane without Adapter for LTE Band 26; Y Plane with Adapter for LTE Band 4, 7, 25; Z Plane with Adapter for LTE Band 38, 41) as worst plane.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	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
	38	-	-	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v

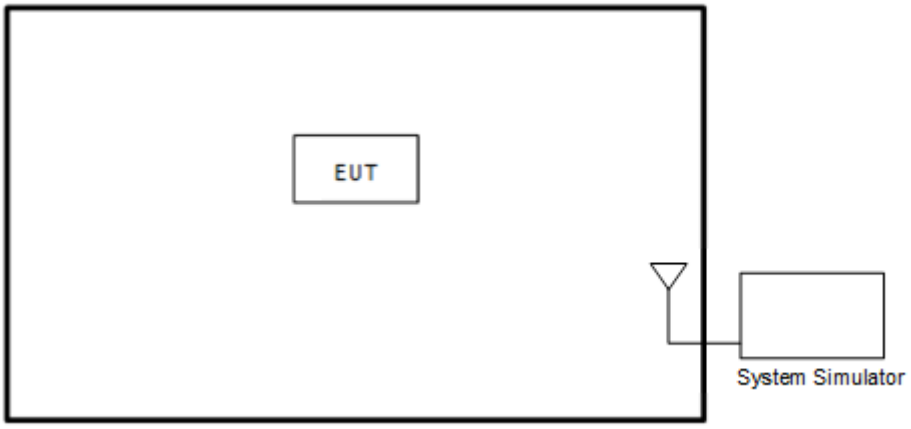
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	Max. Power					
	4	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v						
	7	-	-	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v						
	13	-	-	v	v	-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

2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT without Adapter>



2.3 Support Unit used in test configuration and system

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

2.4 Frequency List of Low/Middle/High Channels

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

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

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

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

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

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

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

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

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

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

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

LTE Band 41 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 41 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

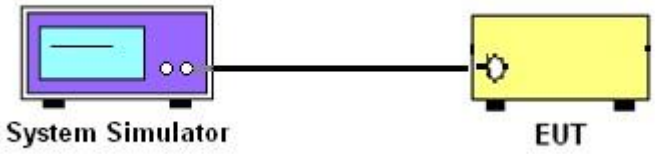
3 Conducted Test Items

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

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.

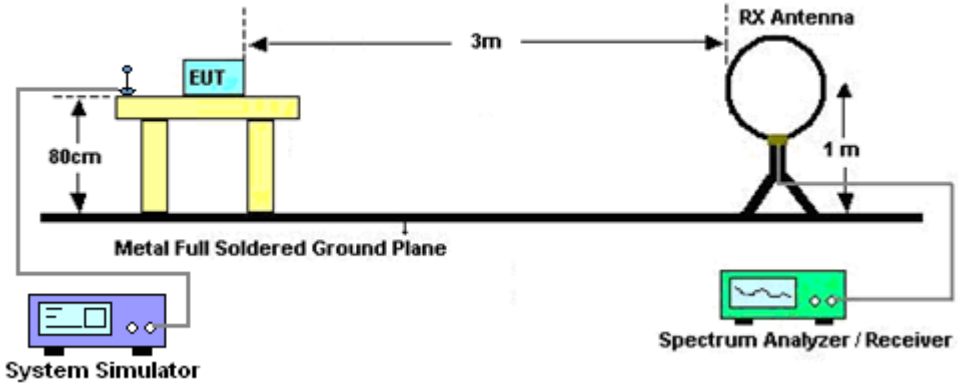
4 Radiated Test Items

4.1 Measuring Instruments

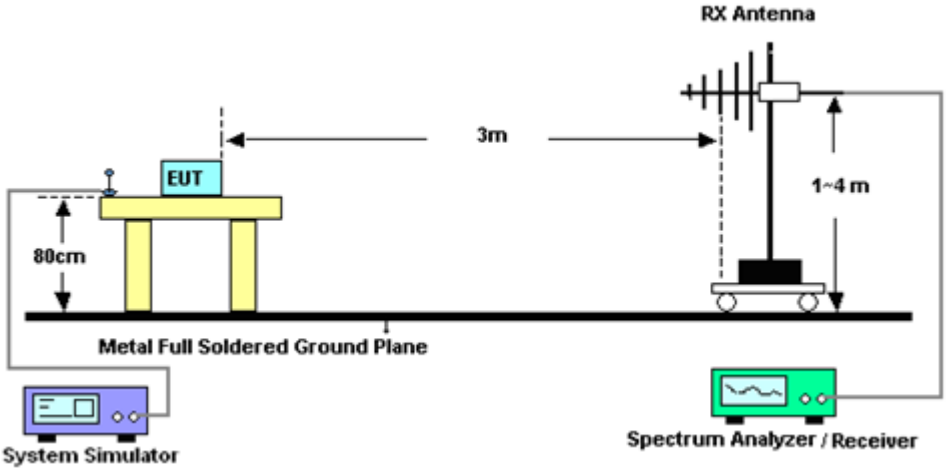
See list of measuring instruments of this test report.

4.1.1 Test Setup

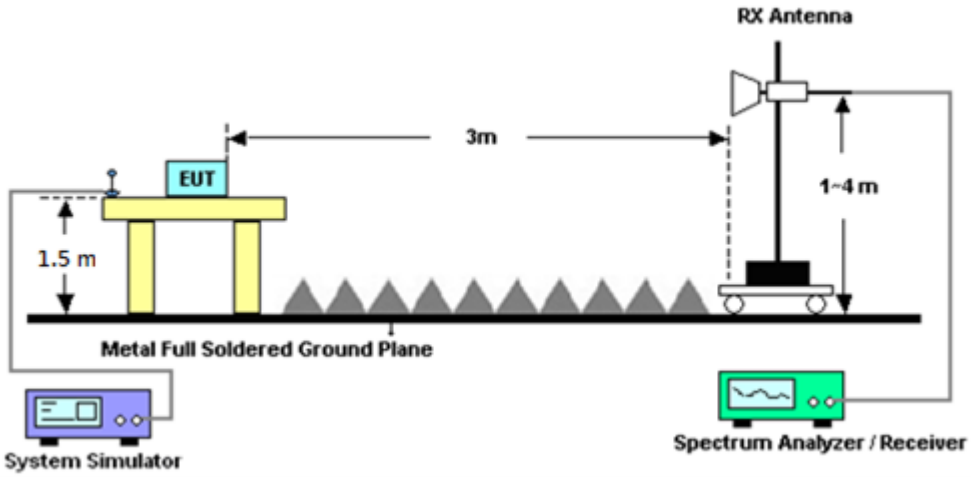
For radiated test below 30MHz



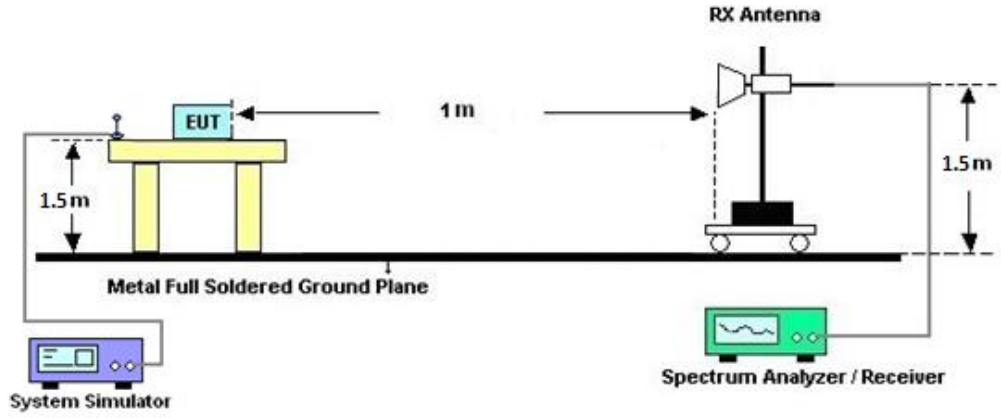
For radiated test from 30MHz to 1GHz



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	100315	9 kHz~30 MHz	Jan. 04, 2021	Sep. 03, 2021~ Sep. 17, 2021	Jan. 03, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Sep. 03, 2021~ Sep. 17, 2021	Oct. 10, 2021	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 11, 2020	Sep. 03, 2021~ Sep. 17, 2021	Oct. 10, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Sep. 03, 2021~ Sep. 17, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 18, 2021	Sep. 03, 2021~ Sep. 17, 2021	May 17, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 19, 2020	Sep. 03, 2021~ Sep. 17, 2021	Nov. 18, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 21, 2021	Sep. 03, 2021~ Sep. 17, 2021	May 20, 2022	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 24, 2021	Sep. 03, 2021~ Sep. 17, 2021	Mar. 23, 2022	Radiation (03CH12-HY)
Preamplifier	Aglient	8449B	3008A02375	1GHz~26.5GHz	May 25, 2021	Sep. 03, 2021~ Sep. 17, 2021	May 24, 2022	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz~18GHz	Dec. 05, 2020	Sep. 03, 2021~ Sep. 17, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Sep. 03, 2021~ Sep. 17, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Sep. 03, 2021~ Sep. 17, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
Signal Generator	Rohde & Schwarz	SMB100A	101107	100kHz~40GHz	Dec. 04, 2020	Sep. 03, 2021~ Sep. 17, 2021	Dec. 03, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Sep. 03, 2021~ Sep. 17, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Sep. 03, 2021~ Sep. 17, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Sep. 03, 2021~ Sep. 17, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Sep. 03, 2021~ Sep. 17, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 17, 2021	Sep. 03, 2021~ Sep. 17, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080 -1200-15000-6 0SS	SN1	1.2GHz High Pass Filter	Mar. 17, 2021	Sep. 03, 2021~ Sep. 17, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Jul. 12, 2021	Sep. 03, 2021~ Sep. 17, 2021	Jul. 11, 2022	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Oct. 02, 2020	Sep. 03, 2021~ Sep. 17, 2021	Oct. 01, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 03, 2021~ Sep. 17, 2021	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 03, 2021~ Sep. 17, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 03, 2021~ Sep. 17, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Sep. 03, 2021~ Sep. 17, 2021	N/A	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6201664755	2/3/4G/LTE FDD/TDD with44)/LTE-3CC DLCA/2CC ULCA, CatM1/NB1/NB2	Jul. 21, 2021	Nov. 16, 2021	Jul. 20, 2022	Conducted (TH03-HY)

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.10 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.39 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.34 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.19	24.17	23.89	25.74	0.3750
20	1	49		23.48	23.42	23.58		
20	1	99		23.35	23.43	23.52		
20	50	0		22.53	22.47	22.32		
20	50	24		22.67	22.57	22.59		
20	50	50		22.30	22.27	22.42		
20	100	0		22.43	22.39	22.49		
20	1	0	16-QAM	22.89	23.10	22.81	24.65	0.2917
20	1	49		22.69	23.01	22.98		
20	1	99		22.86	22.89	22.96		
20	50	0		21.56	21.49	21.30		
20	50	24		21.69	21.54	21.60		
20	50	50		21.37	21.29	21.38		
20	100	0		21.46	21.32	21.52		
20	1	0	64-QAM	21.49	21.87	21.26	23.42	0.2198
20	1	49		21.35	21.74	20.81		
20	1	99		21.75	21.05	21.40		
20	50	0		20.11	20.48	20.40		
20	50	24		20.16	20.58	20.04		
20	50	50		20.33	20.14	20.24		
20	100	0		20.13	20.28	20.21		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.17	24.11	23.85	25.72	0.3733
15	1	37		23.48	23.34	23.53		
15	1	74		23.25	23.38	23.52		
15	36	0		22.51	22.44	22.30		
15	36	20		22.61	22.56	22.52		
15	36	39		22.25	22.17	22.34		
15	75	0		22.43	22.30	22.48		
15	1	0	16-QAM	22.89	23.05	22.73	24.60	0.2884
15	1	37		22.68	22.94	22.97		
15	1	74		22.77	22.79	22.89		
15	36	0		21.47	21.49	21.24		
15	36	20		21.60	21.46	21.52		
15	36	39		21.29	21.26	21.37		
15	75	0		21.43	21.22	21.42		
15	1	0	64-QAM	21.47	21.80	21.25	23.35	0.2163
15	1	37		21.30	21.74	21.43		
15	1	74		21.65	21.05	21.40		
15	36	0		20.02	20.44	20.36		
15	36	20		20.16	20.48	20.03		
15	36	39		20.30	20.06	20.21		
15	75	0		20.07	20.21	20.14		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.13	24.07	23.80	25.68	0.3698
10	1	25		23.43	23.36	23.49		
10	1	49		23.29	23.36	23.50		
10	25	0		22.48	22.44	22.25		
10	25	12		22.57	22.57	22.59		
10	25	25		22.24	22.17	22.41		
10	50	0		22.42	22.33	22.44		
10	1	0	16-QAM	22.82	23.05	22.81	24.60	0.2884
10	1	25		22.63	22.95	22.97		
10	1	49		22.79	22.86	22.94		
10	25	0		21.46	21.44	21.30		
10	25	12		21.68	21.44	21.53		
10	25	25		21.28	21.19	21.33		
10	50	0		21.43	21.29	21.51		
10	1	0	64-QAM	21.41	21.77	21.16	23.32	0.2148
10	1	25		21.35	21.73	21.33		
10	1	49		21.65	21.40	21.30		
10	25	0		20.04	20.44	20.25		
10	25	12		20.06	20.58	20.26		
10	25	25		20.33	20.12	20.21		
10	50	0		20.05	20.28	20.23		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.14	24.13	23.86	25.69	0.3707
5	1	12		23.40	23.40	23.51		
5	1	24		23.26	23.33	23.45		
5	12	0		22.52	22.42	22.26		
5	12	7		22.60	22.48	22.58		
5	12	13		22.29	22.24	22.38		
5	25	0		22.40	22.32	22.49		
5	1	0	16-QAM	22.88	23.01	22.78	24.56	0.2858
5	1	12		22.69	22.91	22.96		
5	1	24		22.76	22.83	22.89		
5	12	0		21.54	21.48	21.29		
5	12	7		21.69	21.54	21.59		
5	12	13		21.34	21.19	21.32		
5	25	0		21.41	21.24	21.46		
5	1	0	64-QAM	21.40	21.81	21.23	23.36	0.2168
5	1	12		21.31	21.64	21.20		
5	1	24		21.66	21.01	21.30		
5	12	0		20.10	20.47	20.31		
5	12	7		20.13	20.57	20.39		
5	12	13		20.32	20.04	20.23		
5	25	0		20.11	20.26	20.10		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.14	24.17	23.82	25.72	0.3733
3	1	8		23.45	23.33	23.53		
3	1	14		23.33	23.39	23.46		
3	8	0		22.48	22.44	22.31		
3	8	4		22.57	22.57	22.52		
3	8	7		22.27	22.25	22.37		
3	15	0		22.40	22.34	22.47		
3	1	0	16-QAM	22.89	23.04	22.72	24.59	0.2877
3	1	8		22.61	22.96	22.93		
3	1	14		22.80	22.84	22.87		
3	8	0		21.56	21.46	21.30		
3	8	4		21.60	21.51	21.54		
3	8	7		21.30	21.19	21.29		
3	15	0		21.42	21.24	21.49		
3	1	0	64-QAM	21.48	21.77	21.20	23.32	0.2148
3	1	8		21.33	21.74	21.32		
3	1	14		21.67	21.01	21.34		
3	8	0		20.07	20.48	20.30		
3	8	4		20.15	20.51	20.04		
3	8	7		20.23	20.07	20.14		
3	15	0		20.07	20.26	20.10		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.10	24.07	23.82	25.71	0.3724
1.4	1	3		23.39	23.37	23.53		
1.4	1	5		23.32	23.41	23.48		
1.4	3	0		24.16	24.12	23.79		
1.4	3	1		23.48	23.32	23.48		
1.4	3	3		23.32	23.33	23.44		
1.4	6	0		22.49	22.46	22.27		
1.4	1	0	16-QAM	22.83	23.03	22.73	24.62	0.2897
1.4	1	3		22.62	22.99	22.95		
1.4	1	5		22.81	22.86	22.90		
1.4	3	0		22.84	23.07	22.80		
1.4	3	1		22.67	23.00	22.89		
1.4	3	3		22.79	22.87	22.86		
1.4	6	0		21.47	21.47	21.25		
1.4	1	0	64-QAM	21.49	21.85	21.18	23.40	0.2188
1.4	1	3		21.35	21.74	21.22		
1.4	1	5		21.73	21.04	21.39		
1.4	3	0		21.42	21.77	21.24		
1.4	3	1		21.34	21.74	21.26		
1.4	3	3		21.72	21.03	21.32		
1.4	6	0		20.05	20.45	20.30		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.30	24.20	24.16	25.85	0.3846
20	1	49		23.60	23.57	23.83		
20	1	99		23.60	23.66	23.85		
20	50	0		22.67	22.63	22.75		
20	50	24		22.87	22.70	22.82		
20	50	50		22.54	22.56	22.57		
20	100	0		22.60	22.58	22.64		
20	1	0	16-QAM	22.77	23.18	23.15	24.73	0.2972
20	1	49		22.63	22.53	23.08		
20	1	99		22.57	22.81	23.17		
20	50	0		21.62	21.65	21.70		
20	50	24		21.85	21.82	21.88		
20	50	50		21.57	21.50	21.66		
20	100	0		21.57	21.62	21.68		
20	1	0	64-QAM	21.91	22.05	22.11	23.86	0.2432
20	1	49		21.73	21.79	22.31		
20	1	99		21.73	21.76	21.80		
20	50	0		20.73	20.71	20.73		
20	50	24		20.78	20.71	20.86		
20	50	50		20.55	20.51	20.63		
20	100	0		20.71	20.59	20.74		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.24	24.14	24.09	25.79	0.3793
15	1	37		23.51	23.55	23.74		
15	1	74		23.60	23.57	23.77		
15	36	0		22.57	22.61	22.65		
15	36	20		22.68	22.63	22.79		
15	36	39		22.49	22.56	22.47		
15	75	0		22.52	22.48	22.61		
15	1	0	16-QAM	22.67	23.12	23.06	24.67	0.2931
15	1	37		22.60	22.49	23.07		
15	1	74		22.55	22.76	23.07		
15	36	0		21.55	21.59	21.70		
15	36	20		21.83	21.82	21.80		
15	36	39		21.54	21.48	21.59		
15	75	0		21.54	21.60	21.59		
15	1	0	64-QAM	21.84	22.03	22.11	23.77	0.2382
15	1	37		21.67	21.79	22.22		
15	1	74		21.69	21.73	21.73		
15	36	0		20.73	20.67	20.65		
15	36	20		20.74	20.70	20.83		
15	36	39		20.48	20.49	20.53		
15	75	0		20.64	20.57	20.65		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.23	24.12	24.15	25.78	0.3784
10	1	25		23.56	23.57	23.80		
10	1	49		23.52	23.57	23.80		
10	25	0		22.65	22.54	22.70		
10	25	12		22.76	22.62	22.74		
10	25	25		22.52	22.54	22.54		
10	50	0		22.50	22.57	22.54		
10	1	0	16-QAM	22.69	23.08	23.09	24.64	0.2911
10	1	25		22.58	22.53	23.00		
10	1	49		22.55	22.74	23.07		
10	25	0		21.54	21.64	21.70		
10	25	12		21.84	21.72	21.87		
10	25	25		21.54	21.44	21.64		
10	50	0		21.49	21.57	21.58		
10	1	0	64-QAM	21.91	22.01	22.03	23.77	0.2382
10	1	25		21.68	21.76	22.22		
10	1	49		21.72	21.67	21.78		
10	25	0		20.66	20.63	20.64		
10	25	12		20.77	20.68	20.76		
10	25	25		20.55	20.49	20.54		
10	50	0		20.61	20.51	20.72		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.23	24.14	24.14	25.78	0.3784
5	1	12		23.51	23.56	23.82		
5	1	24		23.50	23.60	23.82		
5	12	0		22.63	22.53	22.70		
5	12	7		22.72	22.60	22.76		
5	12	13		22.50	22.47	22.56		
5	25	0		22.54	22.55	22.58		
5	1	0	16-QAM	22.72	23.18	23.06	24.73	0.2972
5	1	12		22.59	22.43	23.00		
5	1	24		22.49	22.81	23.07		
5	12	0		21.55	21.55	21.70		
5	12	7		21.76	21.77	21.84		
5	12	13		21.52	21.42	21.65		
5	25	0		21.48	21.59	21.59		
5	1	0	64-QAM	21.86	22.05	22.09	23.82	0.2410
5	1	12		21.70	21.72	22.27		
5	1	24		21.72	21.69	21.79		
5	12	0		20.68	20.67	20.64		
5	12	7		20.75	20.71	20.82		
5	12	13		20.45	20.47	20.63		
5	25	0		20.61	20.56	20.73		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.21	24.17	24.15	25.76	0.3767
3	1	8		23.54	23.51	23.80		
3	1	14		23.50	23.60	23.80		
3	8	0		22.61	22.57	22.65		
3	8	4		22.69	22.64	22.76		
3	8	7		22.45	22.46	22.53		
3	15	0		22.53	22.49	22.59		
3	1	0	16-QAM	22.72	23.08	23.13	24.71	0.2958
3	1	8		22.61	22.50	23.00		
3	1	14		22.51	22.78	23.16		
3	8	0		21.54	21.62	21.64		
3	8	4		21.78	21.80	21.88		
3	8	7		21.48	21.48	21.62		
3	15	0		21.53	21.55	21.58		
3	1	0	64-QAM	21.88	22.02	22.09	23.83	0.2415
3	1	8		21.68	21.79	22.28		
3	1	14		21.63	21.67	21.70		
3	8	0		20.66	20.67	20.72		
3	8	4		20.69	20.61	20.76		
3	8	7		20.51	20.50	20.60		
3	15	0		20.64	20.49	20.70		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.55 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.22	24.13	24.10	25.77	0.3776
1.4	1	3		23.60	23.47	23.73		
1.4	1	5		23.53	23.64	23.80		
1.4	3	0		24.22	24.14	24.08		
1.4	3	1		23.57	23.54	23.83		
1.4	3	3		23.53	23.59	23.78		
1.4	6	0		22.65	22.61	22.71		
1.4	1	0	16-QAM	22.71	23.08	23.13	24.68	0.2938
1.4	1	3		22.58	22.45	23.00		
1.4	1	5		22.49	22.80	23.09		
1.4	3	0		22.74	23.11	23.09		
1.4	3	1		22.60	22.50	23.05		
1.4	3	3		22.55	22.76	23.07		
1.4	6	0		21.54	21.65	21.60		
1.4	1	0	64-QAM	21.82	21.98	22.09	23.83	0.2415
1.4	1	3		21.65	21.71	22.28		
1.4	1	5		21.73	21.68	21.74		
1.4	3	0		21.88	21.99	22.10		
1.4	3	1		21.72	21.74	22.26		
1.4	3	3		21.67	21.72	21.79		
1.4	6	0		20.72	20.63	20.63		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.58	23.61	23.74	24.42	0.2767
20	1	49		23.73	23.64	23.73		
20	1	99		23.05	23.06	23.09		
20	50	0		22.73	22.78	22.75		
20	50	24		22.99	22.91	22.96		
20	50	50		22.66	22.61	22.64		
20	100	0		22.65	22.71	22.68		
20	1	0	16-QAM	22.71	22.51	22.31	23.99	0.2506
20	1	49		23.31	23.20	22.98		
20	1	99		22.39	22.46	22.23		
20	50	0		21.81	21.81	21.80		
20	50	24		22.05	21.91	21.98		
20	50	50		21.67	21.70	21.59		
20	100	0		21.70	21.65	21.76		
20	1	0	64-QAM	21.18	21.22	21.27	22.54	0.1795
20	1	49		21.67	21.71	21.86		
20	1	99		21.20	21.26	21.44		
20	50	0		20.90	20.86	20.78		
20	50	24		20.98	20.95	20.86		
20	50	50		20.69	20.70	20.70		
20	100	0		20.76	20.75	20.71		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.58	23.57	23.70	24.38	0.2742
15	1	37		23.70	23.64	23.70		
15	1	74		23.05	23.21	23.28		
15	36	0		22.70	22.69	22.73		
15	36	20		22.93	22.81	22.90		
15	36	39		22.66	22.56	22.57		
15	75	0		22.59	22.65	22.62		
15	1	0	16-QAM	22.67	22.49	22.27	23.98	0.2500
15	1	37		23.30	23.20	22.89		
15	1	74		22.34	22.38	22.17		
15	36	0		21.76	21.73	21.80		
15	36	20		21.96	21.82	21.95		
15	36	39		21.64	21.70	21.51		
15	75	0		21.70	21.61	21.68		
15	1	0	64-QAM	21.09	21.11	21.17	22.45	0.1758
15	1	37		21.61	21.67	21.77		
15	1	74		21.08	21.24	21.32		
15	36	0		20.80	20.81	20.72		
15	36	20		20.95	20.85	20.85		
15	36	39		20.65	20.69	20.63		
15	75	0		20.66	20.67	20.71		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.52	23.56	23.71	24.39	0.2748
10	1	25		23.64	23.54	23.65		
10	1	49		23.07	23.10	23.21		
10	25	0		22.67	22.77	22.70		
10	25	12		22.89	22.85	22.90		
10	25	25		22.60	22.55	22.54		
10	50	0		22.61	22.69	22.64		
10	1	0	16-QAM	22.61	22.42	22.29	23.98	0.2500
10	1	25		23.30	23.12	22.98		
10	1	49		22.29	22.41	22.14		
10	25	0		21.75	21.74	21.70		
10	25	12		21.95	21.84	21.91		
10	25	25		21.66	21.64	21.50		
10	50	0		21.67	21.57	21.73		
10	1	0	64-QAM	21.15	21.20	21.26	22.47	0.1766
10	1	25		21.67	21.66	21.79		
10	1	49		21.05	21.11	21.18		
10	25	0		20.82	20.85	20.73		
10	25	12		20.98	20.94	20.76		
10	25	25		20.64	20.68	20.63		
10	50	0		20.67	20.68	20.63		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.54	23.53	23.73	24.41	0.2761
5	1	12		23.70	23.61	23.65		
5	1	24		23.11	23.16	23.24		
5	12	0		22.69	22.76	22.65		
5	12	7		22.91	22.82	22.94		
5	12	13		22.56	22.51	22.62		
5	25	0		22.61	22.71	22.68		
5	1	0	16-QAM	22.62	22.43	22.23	23.99	0.2506
5	1	12		23.31	23.14	22.91		
5	1	24		22.35	22.44	22.14		
5	12	0		21.71	21.71	21.71		
5	12	7		22.00	21.87	21.97		
5	12	13		21.61	21.63	21.59		
5	25	0		21.65	21.61	21.70		
5	1	0	64-QAM	21.05	21.10	21.23	22.53	0.1791
5	1	12		21.59	21.65	21.85		
5	1	24		21.03	21.11	21.22		
5	12	0		20.82	20.80	20.78		
5	12	7		20.97	20.91	20.86		
5	12	13		20.65	20.67	20.67		
5	25	0		20.66	20.70	20.61		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.55	23.59	23.66	24.35	0.2723
3	1	8		23.67	23.64	23.65		
3	1	14		23.04	23.08	23.11		
3	8	0		22.72	22.72	22.66		
3	8	4		22.94	22.85	22.93		
3	8	7		22.65	22.59	22.64		
3	15	0		22.59	22.70	22.60		
3	1	0	16-QAM	22.62	22.44	22.22	23.90	0.2455
3	1	8		23.22	23.10	22.91		
3	1	14		22.38	22.46	22.15		
3	8	0		21.76	21.71	21.78		
3	8	4		22.01	21.83	21.97		
3	8	7		21.66	21.67	21.54		
3	15	0		21.70	21.58	21.67		
3	1	0	64-QAM	21.05	21.11	21.24	22.54	0.1795
3	1	8		21.67	21.68	21.86		
3	1	14		21.04	21.11	21.20		
3	8	0		20.89	20.76	20.71		
3	8	4		20.95	20.95	20.83		
3	8	7		20.62	20.61	20.67		
3	15	0		20.70	20.75	20.71		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.49	23.53	23.71	24.41	0.2761
1.4	1	3		23.69	23.55	23.71		
1.4	1	5		23.03	23.10	23.15		
1.4	3	0		23.57	23.59	23.71		
1.4	3	1		23.73	23.56	23.69		
1.4	3	3		23.00	23.11	23.15		
1.4	6	0		22.66	22.76	22.74		
1.4	1	0	16-QAM	22.61	22.50	22.30	23.95	0.2483
1.4	1	3		23.27	23.13	22.95		
1.4	1	5		22.32	22.36	22.14		
1.4	3	0		22.66	22.49	22.25		
1.4	3	1		23.26	23.16	22.97		
1.4	3	3		22.33	22.44	22.16		
1.4	6	0		21.72	21.76	21.76		
1.4	1	0	64-QAM	21.22	21.30	21.48	22.81	0.1910
1.4	1	3		21.96	21.97	22.13		
1.4	1	5		21.06	21.11	21.21		
1.4	3	0		21.16	21.30	21.48		
1.4	3	1		21.89	21.96	22.13		
1.4	3	3		21.06	21.09	21.11		
1.4	6	0		20.80	20.78	20.74		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.08	24.22	24.04	22.98	0.1986
10	1	25		24.11	23.94	23.92		
10	1	49		23.94	23.78	23.76		
10	25	0		22.83	22.80	22.74		
10	25	12		23.06	23.00	22.93		
10	25	25		22.78	22.69	22.74		
10	50	0		22.85	22.75	22.76		
10	1	0	16-QAM	23.02	23.06	22.88	21.82	0.1521
10	1	25		22.92	22.85	23.03		
10	1	49		23.03	22.74	22.72		
10	25	0		21.80	21.84	21.88		
10	25	12		22.08	22.01	22.06		
10	25	25		21.85	21.76	21.74		
10	50	0		21.91	21.78	21.77		
10	1	0	64-QAM	22.45	22.04	22.22	21.21	0.1321
10	1	25		22.01	22.21	21.43		
10	1	49		21.87	22.04	21.27		
10	25	0		20.92	20.81	20.75		
10	25	12		20.81	20.97	20.40		
10	25	25		20.76	20.63	20.26		
10	50	0		20.88	20.86	20.62		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.99	24.14	23.94	22.9	0.1950
5	1	12		24.06	23.93	23.88		
5	1	24		23.86	23.77	23.66		
5	12	0		22.80	22.74	22.64		
5	12	7		23.04	22.98	22.89		
5	12	13		22.71	22.63	22.68		
5	25	0		22.83	22.72	22.66		
5	1	0	16-QAM	22.95	23.04	22.88	21.8	0.1514
5	1	12		22.92	22.78	23.02		
5	1	24		23.03	22.73	22.68		
5	12	0		21.70	21.74	21.85		
5	12	7		21.98	21.96	22.04		
5	12	13		21.85	21.73	21.66		
5	25	0		21.87	21.76	21.75		
5	1	0	64-QAM	22.37	22.00	22.18	21.13	0.1297
5	1	12		21.93	22.13	21.38		
5	1	24		21.79	22.02	21.23		
5	12	0		20.92	20.80	20.65		
5	12	7		20.75	20.90	20.36		
5	12	13		20.74	20.59	20.20		
5	25	0		20.82	20.86	20.59		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.00	24.14	24.02	22.9	0.1950
3	1	8		24.09	23.88	23.86		
3	1	14		23.88	23.69	23.74		
3	8	0		22.75	22.73	22.67		
3	8	4		23.02	22.97	22.91		
3	8	7		22.72	22.61	22.70		
3	15	0		22.84	22.67	22.75		
3	1	0	16-QAM	22.98	22.98	22.82	21.77	0.1503
3	1	8		22.85	22.82	23.01		
3	1	14		23.00	22.64	22.68		
3	8	0		21.76	21.82	21.83		
3	8	4		22.00	21.96	21.97		
3	8	7		21.78	21.75	21.65		
3	15	0		21.87	21.73	21.70		
3	1	0	64-QAM	22.35	22.04	22.18	21.11	0.1291
3	1	8		21.95	22.18	21.40		
3	1	14		21.81	21.94	21.23		
3	8	0		20.88	20.74	20.67		
3	8	4		20.72	20.97	20.31		
3	8	7		20.66	20.53	20.19		
3	15	0		20.84	20.83	20.52		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.05	24.20	23.99	22.96	0.1977
1.4	1	3		24.08	23.85	23.82		
1.4	1	5		23.90	23.78	23.70		
1.4	3	0		24.08	24.15	24.00		
1.4	3	1		24.11	23.85	23.90		
1.4	3	3		23.84	23.75	23.67		
1.4	6	0		22.76	22.73	22.71		
1.4	1	0	16-QAM	23.00	23.01	22.88	21.8	0.1514
1.4	1	3		22.83	22.83	23.01		
1.4	1	5		22.94	22.72	22.62		
1.4	3	0		22.92	23.04	22.88		
1.4	3	1		22.86	22.85	22.94		
1.4	3	3		23.01	22.70	22.69		
1.4	6	0		21.75	21.75	21.87		
1.4	1	0	64-QAM	22.45	22.02	22.16	21.21	0.1321
1.4	1	3		21.99	22.17	21.41		
1.4	1	5		21.78	21.95	21.22		
1.4	3	0		22.36	21.97	22.14		
1.4	3	1		22.01	22.18	21.40		
1.4	3	3		21.86	21.95	21.25		
1.4	6	0		20.86	20.79	20.71		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.11	24.00	24.15	24.93	0.3112
20	1	49		23.52	23.20	23.84		
20	1	99		23.75	23.44	23.76		
20	50	0		22.48	22.41	22.86		
20	50	24		22.73	22.28	22.84		
20	50	50		22.57	22.49	22.56		
20	100	0		22.58	22.40	22.46		
20	1	0	16-QAM	22.73	22.97	22.96	23.82	0.2410
20	1	49		22.78	22.39	22.80		
20	1	99		22.76	22.29	23.04		
20	50	0		21.52	21.57	21.78		
20	50	24		21.83	21.53	22.07		
20	50	50		21.54	21.78	21.90		
20	100	0		21.56	21.59	21.71		
20	1	0	64-QAM	21.14	21.10	21.25	22.89	0.1945
20	1	49		21.72	21.15	21.64		
20	1	99		21.87	21.25	22.11		
20	50	0		20.58	20.39	20.60		
20	50	24		20.81	20.20	20.42		
20	50	50		20.60	20.37	20.06		
20	100	0		20.57	20.40	20.24		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.02	23.91	24.04	24.82	0.3034
15	1	37		23.45	23.11	23.80		
15	1	74		23.70	23.02	23.73		
15	36	0		22.41	22.35	22.84		
15	36	20		22.64	22.18	22.77		
15	36	39		22.50	22.46	22.55		
15	75	0		22.51	22.37	22.37		
15	1	0	16-QAM	22.65	22.93	22.91	23.82	0.2410
15	1	37		22.71	22.31	22.74		
15	1	74		22.66	22.20	23.04		
15	36	0		21.47	21.57	21.72		
15	36	20		21.83	21.49	21.97		
15	36	39		21.54	21.70	21.86		
15	75	0		21.49	21.50	21.66		
15	1	0	64-QAM	21.13	21.05	21.23	22.89	0.1945
15	1	37		21.65	21.09	21.60		
15	1	74		21.82	21.10	22.11		
15	36	0		20.52	20.28	20.54		
15	36	20		20.75	20.07	20.34		
15	36	39		20.50	20.24	20.03		
15	75	0		20.48	20.30	20.20		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.02	23.92	24.07	24.85	0.3055
10	1	25		23.50	23.15	23.83		
10	1	49		23.74	23.02	23.76		
10	25	0		22.40	22.35	22.79		
10	25	12		22.64	22.23	22.79		
10	25	25		22.47	22.49	22.51		
10	50	0		22.50	22.39	22.43		
10	1	0	16-QAM	22.70	22.95	22.93	23.78	0.2388
10	1	25		22.70	22.34	22.78		
10	1	49		22.72	22.20	23.00		
10	25	0		21.45	21.50	21.74		
10	25	12		21.82	21.48	22.01		
10	25	25		21.50	21.68	21.84		
10	50	0		21.49	21.58	21.68		
10	1	0	64-QAM	21.14	21.07	21.17	22.83	0.1919
10	1	25		21.72	21.00	21.54		
10	1	49		21.77	21.08	22.05		
10	25	0		20.57	20.18	20.60		
10	25	12		20.73	20.05	20.38		
10	25	25		20.56	20.10	20.00		
10	50	0		20.56	20.11	20.19		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.10	23.91	24.03	24.88	0.3076
5	1	12		23.51	23.11	23.76		
5	1	24		23.74	23.08	23.74		
5	12	0		22.41	22.38	22.81		
5	12	7		22.68	22.21	22.79		
5	12	13		22.48	22.45	22.52		
5	25	0		22.57	22.30	22.42		
5	1	0	16-QAM	22.63	22.93	22.94	23.75	0.2371
5	1	12		22.76	22.34	22.79		
5	1	24		22.75	22.22	22.97		
5	12	0		21.47	21.49	21.77		
5	12	7		21.79	21.49	21.98		
5	12	13		21.45	21.72	21.89		
5	25	0		21.54	21.52	21.66		
5	1	0	64-QAM	21.07	21.02	21.24	22.83	0.1919
5	1	12		21.69	21.07	21.62		
5	1	24		21.77	21.10	22.05		
5	12	0		20.54	20.22	20.54		
5	12	7		20.78	20.08	20.33		
5	12	13		20.52	20.20	20.33		
5	25	0		20.51	20.22	20.17		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.42	23.78	23.91	22.11	0.1626
10	1	25		23.71	23.66	23.90		
10	1	49		23.70	23.77	23.82		
10	25	0		22.62	22.63	22.59		
10	25	12		22.70	22.85	22.72		
10	25	25		22.49	22.49	22.51		
10	50	0		22.55	22.60	22.66		
10	1	0	16-QAM	22.80	23.18	23.17	21.61	0.1449
10	1	25		23.22	23.15	22.94		
10	1	49		23.41	23.00	23.39		
10	25	0		21.44	21.69	21.63		
10	25	12		21.86	21.82	21.80		
10	25	25		21.43	21.51	21.44		
10	50	0		21.54	21.61	21.63		
10	1	0	64-QAM	21.44	21.42	22.13	20.33	0.1079
10	1	25		21.27	22.04	21.62		
10	1	49		21.94	21.19	22.10		
10	25	0		20.11	20.58	20.68		
10	25	12		20.28	20.84	20.58		
10	25	25		20.53	20.61	20.32		
10	50	0		20.51	20.62	20.52		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.42	23.77	23.84	22.07	0.1611
5	1	12		23.61	23.59	23.87		
5	1	24		23.69	23.70	23.81		
5	12	0		22.53	22.57	22.56		
5	12	7		22.70	22.80	22.68		
5	12	13		22.40	22.45	22.47		
5	25	0		22.48	22.60	22.56		
5	1	0	16-QAM	22.79	23.12	23.14	21.54	0.1426
5	1	12		23.12	23.12	22.94		
5	1	24		23.34	22.93	23.34		
5	12	0		21.43	21.65	21.62		
5	12	7		21.81	21.80	21.77		
5	12	13		21.41	21.48	21.37		
5	25	0		21.46	21.52	21.60		
5	1	0	64-QAM	21.30	21.38	22.09	20.3	0.1072
5	1	12		21.25	21.96	21.53		
5	1	24		21.88	21.15	22.10		
5	12	0		20.42	20.52	20.60		
5	12	7		20.23	20.84	20.56		
5	12	13		20.48	20.60	20.24		
5	25	0		20.42	20.62	20.48		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.34	23.70	23.79	22.01	0.1589
3	1	8		23.61	23.57	23.81		
3	1	14		23.59	23.65	23.81		
3	8	0		22.51	22.48	22.46		
3	8	4		22.69	22.71	22.65		
3	8	7		22.37	22.39	22.45		
3	15	0		22.43	22.55	22.52		
3	1	0	16-QAM	22.70	23.06	23.10	21.48	0.1406
3	1	8		23.02	23.10	22.93		
3	1	14		23.28	22.92	23.25		
3	8	0		21.42	21.61	21.54		
3	8	4		21.76	21.79	21.70		
3	8	7		21.37	21.42	21.35		
3	15	0		21.41	21.52	21.50		
3	1	0	64-QAM	21.06	21.35	22.08	20.28	0.1067
3	1	8		21.20	21.90	21.49		
3	1	14		21.84	21.15	22.02		
3	8	0		20.17	20.52	20.57		
3	8	4		20.18	20.83	20.46		
3	8	7		20.47	20.51	20.19		
3	15	0		20.41	20.61	20.40		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.33	23.68	23.78	22.02	0.1592
1.4	1	3		23.53	23.54	23.82		
1.4	1	5		23.67	23.61	23.81		
1.4	3	0		23.40	23.76	23.82		
1.4	3	1		23.58	23.53	23.78		
1.4	3	3		23.68	23.67	23.81		
1.4	6	0		22.52	22.49	22.48		
1.4	1	0	16-QAM	22.72	23.08	23.06	21.5	0.1413
1.4	1	3		23.04	23.12	22.86		
1.4	1	5		23.27	22.93	23.25		
1.4	3	0		22.69	23.08	23.14		
1.4	3	1		23.03	23.06	22.84		
1.4	3	3		23.30	22.88	23.27		
1.4	6	0		21.39	21.55	21.54		
1.4	1	0	64-QAM	21.10	21.33	22.02	20.27	0.1064
1.4	1	3		21.18	21.87	21.50		
1.4	1	5		21.78	21.06	22.04		
1.4	3	0		21.08	21.36	22.07		
1.4	3	1		21.21	21.89	21.48		
1.4	3	3		21.86	21.09	22.05		
1.4	6	0		20.44	20.46	20.56		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 0.45 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.19	-	22.49	0.1774
10	1	25			24.14			
10	1	49			24.18			
10	25	0			22.94			
10	25	12			23.11			
10	25	25			22.86			
10	50	0			23.00			
10	1	0	16-QAM		23.51		21.83	0.1524
10	1	25			23.53			
10	1	49			23.47			
10	25	0			21.91			
10	25	12			22.10			
10	25	25			21.80			
10	50	0			21.95			
10	1	0	64-QAM		22.44		20.81	0.1205
10	1	25			22.51			
10	1	49			22.24			
10	25	0			21.05			
10	25	12			21.19			
10	25	25			20.90			
10	50	0			20.94			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 0.45 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.04	24.06	24.08	22.41	0.1742
5	1	12		24.11	24.11	24.01		
5	1	24		24.08	24.00	23.96		
5	12	0		23.09	23.14	23.13		
5	12	7		23.20	23.25	23.22		
5	12	13		23.19	23.15	23.11		
5	25	0		23.26	23.19	23.16		
5	1	0	16-QAM	23.53	23.52	23.44	21.83	0.1524
5	1	12		23.46	23.52	23.52		
5	1	24		23.53	23.48	23.40		
5	12	0		22.19	22.17	22.20		
5	12	7		22.29	22.32	22.29		
5	12	13		22.21	22.08	22.09		
5	25	0		22.18	22.16	22.08		
5	1	0	64-QAM	22.25	21.71	22.27	20.63	0.1156
5	1	12		21.94	22.17	22.26		
5	1	24		22.30	22.33	22.18		
5	12	0		21.17	20.68	21.22		
5	12	7		20.74	21.42	21.31		
5	12	13		20.75	21.23	21.26		
5	25	0		21.07	21.21	21.19		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.20	24.21	24.23	22.99	0.1991
15	1	37		24.20	24.20	24.21		
15	1	74		24.17	24.17	23.95		
15	36	0		23.22	23.20	23.07		
15	36	20		23.31	23.22	23.15		
15	36	39		23.08	22.94	22.92		
15	75	0		23.22	23.15	23.10		
15	1	0	16-QAM	23.39	23.42	23.36	22.27	0.1687
15	1	37		23.51	23.50	23.48		
15	1	74		23.36	23.41	23.42		
15	36	0		22.15	22.17	22.19		
15	36	20		22.27	22.20	22.21		
15	36	39		22.05	22.00	21.93		
15	75	0		22.11	22.09	22.07		
15	1	0	64-QAM	21.62	22.02	22.24	21	0.1259
15	1	37		22.15	21.39	21.76		
15	1	74		21.45	21.77	21.33		
15	36	0		20.94	20.76	21.23		
15	36	20		21.51	20.42	20.83		
15	36	39		21.16	20.75	20.38		
15	75	0		21.22	20.84	20.73		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.11	24.14	24.20	22.98	0.1986
10	1	25		24.22	24.12	24.17		
10	1	49		24.16	24.17	23.93		
10	25	0		23.22	23.17	23.07		
10	25	12		23.31	23.13	23.08		
10	25	25		22.99	22.85	22.87		
10	50	0		23.12	23.09	23.10		
10	1	0	16-QAM	23.34	23.32	23.36	22.24	0.1675
10	1	25		23.46	23.43	23.48		
10	1	49		23.26	23.33	23.34		
10	25	0		22.13	22.17	22.14		
10	25	12		22.25	22.19	22.14		
10	25	25		21.97	21.95	21.92		
10	50	0		22.06	22.09	21.99		
10	1	0	64-QAM	21.55	21.95	22.19	20.95	0.1245
10	1	25		22.05	21.34	21.67		
10	1	49		21.38	21.73	21.28		
10	25	0		20.84	20.71	21.20		
10	25	12		21.43	20.38	20.78		
10	25	25		21.08	20.65	20.32		
10	50	0		21.13	20.83	20.71		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.14	24.21	24.18	22.98	0.1986
5	1	12		24.15	24.22	24.13		
5	1	24		24.17	24.11	23.88		
5	12	0		23.14	23.14	23.07		
5	12	7		23.24	23.21	23.06		
5	12	13		23.03	22.93	22.87		
5	25	0		23.17	23.06	23.09		
5	1	0	16-QAM	23.37	23.40	23.32	22.25	0.1679
5	1	12		23.49	23.45	23.47		
5	1	24		23.32	23.41	23.39		
5	12	0		22.11	22.12	22.10		
5	12	7		22.18	22.11	22.21		
5	12	13		21.95	21.95	21.90		
5	25	0		22.06	22.00	21.98		
5	1	0	64-QAM	21.62	21.98	22.22	20.98	0.1253
5	1	12		22.12	21.39	21.67		
5	1	24		21.43	21.76	21.30		
5	12	0		20.94	20.75	21.17		
5	12	7		21.43	20.34	20.79		
5	12	13		21.15	20.75	20.34		
5	25	0		21.20	20.74	20.68		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.20	24.21	24.23	22.99	0.1991
3	1	8		24.20	24.21	24.20		
3	1	14		24.12	24.17	23.95		
3	8	0		23.16	23.16	23.01		
3	8	4		23.21	23.15	23.09		
3	8	7		23.08	22.93	22.85		
3	15	0		23.18	23.06	23.02		
3	1	0	16-QAM	23.29	23.32	23.30	22.24	0.1675
3	1	8		23.48	23.46	23.43		
3	1	14		23.29	23.38	23.37		
3	8	0		22.08	22.15	22.16		
3	8	4		22.26	22.14	22.18		
3	8	7		22.00	21.92	21.84		
3	15	0		22.05	22.01	22.02		
3	1	0	64-QAM	21.58	21.93	22.21	20.97	0.1250
3	1	8		22.11	21.36	21.76		
3	1	14		21.43	21.69	21.23		
3	8	0		20.89	20.74	21.14		
3	8	4		21.51	20.42	20.75		
3	8	7		21.10	20.70	20.32		
3	15	0		21.16	20.76	20.72		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.12	24.19	24.20	22.97	0.1982
1.4	1	3		24.19	24.15	24.21		
1.4	1	5		24.11	24.11	23.85		
1.4	3	0		24.18	24.18	24.15		
1.4	3	1		24.20	24.18	24.17		
1.4	3	3		24.09	24.16	23.86		
1.4	6	0		23.19	23.16	23.06		
1.4	1	0	16-QAM	23.29	23.40	23.31	22.25	0.1679
1.4	1	3		23.44	23.46	23.40		
1.4	1	5		23.27	23.37	23.41		
1.4	3	0		23.30	23.32	23.30		
1.4	3	1		23.49	23.49	23.43		
1.4	3	3		23.36	23.31	23.37		
1.4	6	0		22.14	22.15	22.14		
1.4	1	0	64-QAM	21.54	22.01	22.19	20.95	0.1245
1.4	1	3		22.14	21.30	21.70		
1.4	1	5		21.38	21.73	21.28		
1.4	3	0		21.60	21.96	22.14		
1.4	3	1		22.12	21.37	21.68		
1.4	3	3		21.35	21.76	21.29		
1.4	6	0		20.87	20.76	21.18		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.98	24.05	24.19	24.51	0.2825
20	1	49		23.61	23.80	23.61		
20	1	99		23.34	23.70	23.25		
20	50	0		22.79	22.78	22.88		
20	50	24		22.90	22.99	22.85		
20	50	50		22.72	22.78	22.64		
20	100	0		22.69	22.79	22.71		
20	1	0	16-QAM	22.77	22.91	22.94	23.26	0.2118
20	1	49		22.76	22.88	22.79		
20	1	99		22.53	22.93	22.47		
20	50	0		21.78	21.79	21.86		
20	50	24		21.95	21.99	21.98		
20	50	50		21.72	21.80	21.78		
20	100	0		21.73	21.80	21.87		
20	1	0	64-QAM	22.53	21.49	21.43	22.88	0.1941
20	1	49		22.56	21.19	21.10		
20	1	99		22.37	22.30	22.26		
20	50	0		21.63	20.64	20.42		
20	50	24		21.64	20.56	20.27		
20	50	50		21.62	20.34	20.00		
20	100	0		20.55	20.45	20.12		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.89	24.02	24.10	24.42	0.2767
15	1	37		23.59	23.78	23.52		
15	1	74		23.28	23.67	23.18		
15	36	0		22.79	22.73	22.88		
15	36	20		22.81	22.96	22.80		
15	36	39		22.71	22.70	22.64		
15	75	0		22.64	22.74	22.69		
15	1	0	16-QAM	22.77	22.89	22.88	23.21	0.2094
15	1	37		22.76	22.83	22.69		
15	1	74		22.52	22.85	22.45		
15	36	0		21.70	21.74	21.79		
15	36	20		21.90	21.92	21.90		
15	36	39		21.67	21.73	21.76		
15	75	0		21.64	21.77	21.81		
15	1	0	64-QAM	22.50	21.49	21.35	22.86	0.1932
15	1	37		22.54	21.11	21.10		
15	1	74		22.31	22.15	22.11		
15	36	0		21.62	20.58	20.36		
15	36	20		21.59	20.51	20.24		
15	36	39		21.59	20.27	20.20		
15	75	0		20.53	20.39	20.10		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.95	23.97	24.17	24.49	0.2812
10	1	25		23.60	23.71	23.56		
10	1	49		23.29	23.65	23.25		
10	25	0		22.72	22.69	22.86		
10	25	12		22.81	22.98	22.75		
10	25	25		22.65	22.75	22.63		
10	50	0		22.69	22.76	22.62		
10	1	0	16-QAM	22.68	22.89	22.93	23.25	0.2113
10	1	25		22.66	22.84	22.74		
10	1	49		22.49	22.86	22.42		
10	25	0		21.73	21.69	21.85		
10	25	12		21.86	21.93	21.94		
10	25	25		21.70	21.80	21.76		
10	50	0		21.72	21.73	21.80		
10	1	0	64-QAM	22.52	21.42	21.42	22.85	0.1928
10	1	25		22.53	21.13	21.10		
10	1	49		22.29	22.15	22.11		
10	25	0		21.53	20.55	20.34		
10	25	12		21.61	20.51	20.22		
10	25	25		21.52	20.30	20.20		
10	50	0		20.54	20.36	20.03		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.32 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.96	24.04	24.15	24.47	0.2799
5	1	12		23.61	23.70	23.51		
5	1	24		23.24	23.61	23.18		
5	12	0		22.69	22.68	22.78		
5	12	7		22.87	22.95	22.76		
5	12	13		22.70	22.74	22.61		
5	25	0		22.59	22.77	22.69		
5	1	0	16-QAM	22.77	22.81	22.88	23.25	0.2113
5	1	12		22.74	22.81	22.79		
5	1	24		22.51	22.93	22.39		
5	12	0		21.71	21.72	21.81		
5	12	7		21.94	21.90	21.90		
5	12	13		21.66	21.77	21.78		
5	25	0		21.64	21.77	21.81		
5	1	0	64-QAM	22.45	21.47	21.43	22.79	0.1901
5	1	12		22.47	21.12	21.10		
5	1	24		22.27	22.15	22.10		
5	12	0		21.56	20.54	20.40		
5	12	7		21.63	20.56	20.21		
5	12	13		21.52	20.25	20.20		
5	25	0		20.55	20.38	20.11		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.03	23.38	23.73	25.30	0.3388
20	1	49		23.45	23.11	23.78		
20	1	99		23.50	23.23	23.34		
20	50	0		22.38	22.34	22.86		
20	50	24		22.58	22.51	22.90		
20	50	50		22.36	22.81	22.54		
20	100	0		22.39	22.81	22.71		
20	1	0	16-QAM	22.45	22.51	22.43	24.21	0.2636
20	1	49		22.51	22.94	22.89		
20	1	99		22.58	22.52	22.11		
20	50	0		21.42	22.04	21.91		
20	50	24		21.60	22.23	21.95		
20	50	50		21.37	21.07	21.58		
20	100	0		21.40	21.02	21.73		
20	1	0	64-QAM	21.21	21.05	21.19	22.99	0.1991
20	1	49		21.31	21.72	21.64		
20	1	99		21.35	21.16	21.09		
20	50	0		20.41	20.61	20.91		
20	50	24		20.58	20.54	20.95		
20	50	50		20.40	21.08	20.57		
20	100	0		20.41	20.60	20.76		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.09	23.38	23.72	25.36	0.3436
15	1	37		23.44	23.10	23.72		
15	1	74		23.44	23.17	23.25		
15	36	0		22.37	22.27	22.77		
15	36	20		22.52	22.48	22.86		
15	36	39		22.30	22.78	22.53		
15	75	0		22.30	22.78	22.68		
15	1	0	16-QAM	22.41	22.49	22.38	24.17	0.2612
15	1	37		22.49	22.90	22.83		
15	1	74		22.52	22.42	22.36		
15	36	0		21.38	21.94	21.90		
15	36	20		21.55	22.15	21.93		
15	36	39		21.32	21.05	21.56		
15	75	0		21.39	21.02	21.66		
15	1	0	64-QAM	21.12	21.05	21.17	22.90	0.1950
15	1	37		21.28	21.63	21.57		
15	1	74		21.29	21.12	21.02		
15	36	0		20.34	20.57	20.84		
15	36	20		20.52	20.32	20.94		
15	36	39		20.33	21.03	20.50		
15	75	0		20.34	20.55	20.74		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.02	23.36	23.65	25.29	0.3381
10	1	25		23.44	23.11	23.68		
10	1	49		23.46	23.22	23.31		
10	25	0		22.37	22.26	22.79		
10	25	12		22.52	22.45	22.90		
10	25	25		22.27	22.73	22.54		
10	50	0		22.29	22.71	22.61		
10	1	0	16-QAM	22.39	22.49	22.43	24.20	0.2630
10	1	25		22.41	22.93	22.81		
10	1	49		22.52	22.49	22.46		
10	25	0		21.32	21.95	21.89		
10	25	12		21.56	22.23	21.92		
10	25	25		21.36	21.05	21.52		
10	50	0		21.40	21.03	21.65		
10	1	0	64-QAM	21.15	21.10	21.15	22.90	0.1950
10	1	25		21.21	21.63	21.57		
10	1	49		21.28	21.08	21.01		
10	25	0		20.33	20.54	20.84		
10	25	12		20.56	20.08	20.92		
10	25	25		20.32	21.02	20.56		
10	50	0		20.36	20.55	20.73		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.06	23.31	23.67	25.33	0.3412
5	1	12		23.45	23.15	23.78		
5	1	24		23.43	23.13	23.26		
5	12	0		22.32	22.34	22.81		
5	12	7		22.54	22.44	22.80		
5	12	13		22.28	22.76	22.44		
5	25	0		22.36	22.77	22.66		
5	1	0	16-QAM	22.40	22.50	22.42	24.12	0.2582
5	1	12		22.43	22.85	22.83		
5	1	24		22.54	22.48	22.41		
5	12	0		21.39	22.04	21.87		
5	12	7		21.56	22.18	21.88		
5	12	13		21.37	22.10	21.58		
5	25	0		21.33	21.05	21.71		
5	1	0	64-QAM	21.16	21.04	21.18	22.94	0.1968
5	1	12		21.31	21.67	21.61		
5	1	24		21.31	21.07	21.00		
5	12	0		20.39	20.53	20.85		
5	12	7		20.57	20.21	20.89		
5	12	13		20.38	21.01	20.50		
5	25	0		20.35	20.56	20.76		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	26.37	26.10	26.11	27.64	0.5808
20	1	49		26.36	26.30	25.50		
20	1	99		26.20	26.10	24.54		
20	50	0		25.31	25.29	25.35		
20	50	24		25.39	25.37	24.72		
20	50	50		25.27	25.24	23.91		
20	100	0		25.28	25.13	24.42		
20	1	0	16-QAM	25.31	25.39	25.11	26.67	0.4645
20	1	49		25.31	25.20	24.85		
20	1	99		25.36	25.40	23.67		
20	50	0		24.32	24.39	24.17		
20	50	24		24.40	24.28	23.89		
20	50	50		24.20	24.05	23.07		
20	100	0		24.18	24.06	23.72		
20	1	0	64-QAM	23.87	23.75	23.86	25.66	0.3681
20	1	49		24.22	23.80	23.20		
20	1	99		24.39	23.67	22.51		
20	50	0		23.33	22.97	22.73		
20	50	24		23.28	22.87	22.23		
20	50	50		23.29	22.69	21.53		
20	100	0		23.37	22.73	21.96		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	26.32	26.04	26.02	27.59	0.5741
15	1	37		26.29	26.20	25.50		
15	1	74		26.10	26.08	24.52		
15	36	0		25.23	25.21	25.30		
15	36	20		25.31	25.33	24.71		
15	36	39		25.18	25.15	23.91		
15	75	0		25.24	25.09	24.41		
15	1	0	16-QAM	25.24	25.33	25.09	26.60	0.4571
15	1	37		25.21	25.10	24.75		
15	1	74		25.31	25.33	23.59		
15	36	0		24.32	24.32	24.08		
15	36	20		24.30	24.28	23.83		
15	36	39		24.11	24.04	22.97		
15	75	0		24.16	23.97	23.64		
15	1	0	64-QAM	23.87	23.69	23.80	25.59	0.3622
15	1	37		24.14	23.72	23.19		
15	1	74		24.32	23.62	22.52		
15	36	0		23.28	22.94	22.66		
15	36	20		23.19	22.84	22.13		
15	36	39		23.26	22.69	22.05		
15	75	0		23.32	22.69	21.96		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	26.22	25.99	25.97	27.49	0.5610
10	1	25		26.19	26.20	25.45		
10	1	49		26.04	26.07	24.66		
10	25	0		25.16	25.15	25.25		
10	25	12		25.30	25.27	24.62		
10	25	25		25.08	25.12	23.87		
10	50	0		25.17	25.03	24.38		
10	1	0	16-QAM	25.24	25.26	25.05	26.57	0.4539
10	1	25		25.20	25.08	24.70		
10	1	49		25.27	25.30	23.60		
10	25	0		24.22	24.30	23.98		
10	25	12		24.24	24.27	23.82		
10	25	25		24.04	23.98	22.95		
10	50	0		24.10	23.92	23.60		
10	1	0	64-QAM	23.87	23.65	23.78	25.57	0.3606
10	1	25		24.06	23.71	23.09		
10	1	49		24.30	23.55	23.01		
10	25	0		23.25	22.93	22.59		
10	25	12		23.15	22.77	22.12		
10	25	25		23.18	22.59	22.05		
10	50	0		23.31	22.61	21.91		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	26.27	25.95	26.01	27.54	0.5675
5	1	12		26.20	26.17	25.50		
5	1	24		26.05	26.08	24.51		
5	12	0		25.21	25.20	25.21		
5	12	7		25.23	25.32	24.67		
5	12	13		25.15	25.05	23.89		
5	25	0		25.17	25.06	24.31		
5	1	0	16-QAM	25.17	25.30	25.07	26.57	0.4539
5	1	12		25.16	25.05	24.72		
5	1	24		25.28	25.24	23.54		
5	12	0		24.31	24.27	24.06		
5	12	7		24.20	24.25	23.73		
5	12	13		24.10	23.98	22.97		
5	25	0		24.15	23.94	23.63		
5	1	0	64-QAM	23.86	23.66	23.70	25.50	0.3548
5	1	12		24.12	23.67	23.16		
5	1	24		24.23	23.54	23.10		
5	12	0		23.20	22.91	22.62		
5	12	7		23.11	22.75	22.12		
5	12	13		23.19	22.59	21.59		
5	25	0		23.26	22.64	21.89		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.59	23.57	24.31	24.99	0.3155
20	1	49		23.94	23.84	23.72		
20	1	99		23.19	23.00	23.76		
20	50	0		22.81	22.78	22.82		
20	50	24		22.92	22.93	22.94		
20	50	50		22.64	22.62	22.68		
20	100	0		22.76	22.71	22.76		
20	1	0	16-QAM	22.57	22.70	23.28	23.96	0.2489
20	1	49		23.02	23.06	23.02		
20	1	99		22.53	22.24	22.92		
20	50	0		21.79	21.79	21.84		
20	50	24		21.92	21.93	22.05		
20	50	50		21.60	21.63	21.72		
20	100	0		21.77	21.74	21.78		
20	1	0	64-QAM	21.63	21.56	22.04	22.85	0.1928
20	1	49		22.17	21.95	21.93		
20	1	99		21.29	21.08	21.12		
20	50	0		20.75	20.78	20.95		
20	50	24		20.90	20.90	21.04		
20	50	50		20.64	20.60	20.68		
20	100	0		20.68	20.68	20.79		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.52	23.48	24.27	24.95	0.3126
15	1	37		23.84	23.77	23.70		
15	1	74		23.09	23.06	23.75		
15	36	0		22.72	22.74	22.74		
15	36	20		22.85	22.85	22.89		
15	36	39		22.60	22.55	22.62		
15	75	0		22.68	22.70	22.75		
15	1	0	16-QAM	22.53	22.67	23.23	23.91	0.2460
15	1	37		22.93	23.00	22.97		
15	1	74		22.51	22.17	22.87		
15	36	0		21.71	21.71	21.77		
15	36	20		21.84	21.92	21.95		
15	36	39		21.52	21.57	21.70		
15	75	0		21.73	21.72	21.78		
15	1	0	64-QAM	21.58	21.53	21.95	22.85	0.1928
15	1	37		22.17	21.86	21.91		
15	1	74		21.25	21.19	21.08		
15	36	0		20.66	20.69	20.87		
15	36	20		20.90	20.85	20.95		
15	36	39		20.63	20.53	20.59		
15	75	0		20.68	20.60	20.77		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.52	23.55	24.24	24.92	0.3105
10	1	25		23.85	23.80	23.66		
10	1	49		23.18	23.11	23.67		
10	25	0		22.80	22.71	22.81		
10	25	12		22.83	22.91	22.92		
10	25	25		22.63	22.54	22.64		
10	50	0		22.70	22.71	22.67		
10	1	0	16-QAM	22.50	22.63	23.22	23.90	0.2455
10	1	25		23.00	22.96	22.99		
10	1	49		22.43	22.23	22.82		
10	25	0		21.77	21.78	21.79		
10	25	12		21.85	21.87	21.97		
10	25	25		21.51	21.63	21.71		
10	50	0		21.76	21.66	21.75		
10	1	0	64-QAM	21.55	21.48	21.94	22.78	0.1897
10	1	25		22.10	21.86	21.86		
10	1	49		21.24	21.10	21.08		
10	25	0		20.68	20.74	20.88		
10	25	12		20.82	20.81	20.99		
10	25	25		20.62	20.53	20.65		
10	50	0		20.63	20.59	20.79		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.56	23.57	24.28	24.96	0.3133
5	1	12		23.85	23.82	23.68		
5	1	24		23.17	23.10	23.71		
5	12	0		22.77	22.75	22.82		
5	12	7		22.88	22.86	22.88		
5	12	13		22.62	22.58	22.65		
5	25	0		22.66	22.69	22.70		
5	1	0	16-QAM	22.52	22.69	23.21	23.89	0.2449
5	1	12		22.97	22.99	22.94		
5	1	24		22.53	22.14	22.85		
5	12	0		21.69	21.75	21.84		
5	12	7		21.83	21.84	22.04		
5	12	13		21.54	21.53	21.70		
5	25	0		21.69	21.64	21.75		
5	1	0	64-QAM	21.56	21.51	22.01	22.76	0.1888
5	1	12		22.08	21.90	21.92		
5	1	24		21.23	21.13	21.07		
5	12	0		20.72	20.76	20.93		
5	12	7		20.80	20.85	21.02		
5	12	13		20.60	20.53	20.64		
5	25	0		20.66	20.66	20.71		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.57	23.57	24.30	24.98	0.3148
3	1	8		23.92	23.82	23.71		
3	1	14		23.14	23.19	23.74		
3	8	0		22.71	22.74	22.74		
3	8	4		22.89	22.93	22.92		
3	8	7		22.58	22.56	22.66		
3	15	0		22.72	22.65	22.67		
3	1	0	16-QAM	22.55	22.67	23.27	23.95	0.2483
3	1	8		22.92	22.99	22.99		
3	1	14		22.49	22.18	22.84		
3	8	0		21.74	21.75	21.80		
3	8	4		21.87	21.93	21.95		
3	8	7		21.54	21.63	21.67		
3	15	0		21.72	21.72	21.73		
3	1	0	64-QAM	21.57	21.56	22.00	22.77	0.1892
3	1	8		22.09	21.90	21.90		
3	1	14		21.25	21.11	21.06		
3	8	0		20.73	20.73	20.86		
3	8	4		20.85	20.82	20.94		
3	8	7		20.59	20.56	20.64		
3	15	0		20.58	20.68	20.72		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.54	23.50	24.30	24.98	0.3148
1.4	1	3		23.84	23.81	23.62		
1.4	1	5		23.12	23.04	23.69		
1.4	3	0		23.56	23.52	24.23		
1.4	3	1		23.93	23.84	23.64		
1.4	3	3		23.09	23.03	23.71		
1.4	6	0		22.78	22.74	22.73		
1.4	1	0	16-QAM	22.57	22.60	23.23	23.91	0.2460
1.4	1	3		23.01	23.05	22.94		
1.4	1	5		22.46	22.19	22.83		
1.4	3	0		22.51	22.68	23.19		
1.4	3	1		22.93	23.03	22.92		
1.4	3	3		22.53	22.20	22.86		
1.4	6	0		21.76	21.72	21.75		
1.4	1	0	64-QAM	21.62	21.47	21.99	22.81	0.1910
1.4	1	3		22.09	21.87	21.92		
1.4	1	5		21.20	21.10	21.07		
1.4	3	0		21.57	21.47	22.04		
1.4	3	1		22.13	21.87	21.83		
1.4	3	3		21.25	21.02	21.12		
1.4	6	0		20.65	20.70	20.95		
Limit	EIRP < 1W			Result			Pass	

Appendix B. Test Results of Radiated Test

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-61.26	-13	-48.26	-70.47	-66.86	0.92	8.67	H
	2473	-50.68	-13	-37.68	-64.85	-58.05	1.14	10.66	H
	3298	-56.43	-13	-43.43	-72.41	-64.97	1.32	12.02	H
									H
	1649	-62.25	-13	-49.25	-70.93	-67.85	0.92	8.67	V
	2473	-54.09	-13	-41.09	-68.41	-61.46	1.14	10.66	V
	3298	-55.72	-13	-42.72	-72.17	-64.26	1.32	12.02	V
									V
Middle	1664	-55.42	-13	-42.42	-64.68	-61.07	0.93	8.72	H
	2496	-46.85	-13	-33.85	-61.06	-54.25	1.15	10.69	H
	3328	-56.21	-13	-43.21	-72.13	-64.82	1.33	12.09	H
									H
	1664	-58.52	-13	-45.52	-67.19	-64.17	0.93	8.72	V
	2496	-39.92	-13	-26.92	-54.34	-47.32	1.15	10.69	V
	3328	-55.82	-13	-42.82	-72.2	-64.43	1.33	12.09	V
									V
Highest	1679	-59.60	-13	-46.60	-68.9	-65.30	0.93	8.78	H
	2518	-49.88	-13	-36.88	-64.1	-57.30	1.15	10.72	H
	3358	-56.62	-13	-43.62	-72.46	-65.29	1.33	12.16	H
									H
	1679	-62.66	-13	-49.66	-71.31	-68.36	0.93	8.78	V
	2518	-41.96	-13	-28.96	-56.35	-49.38	1.15	10.72	V
	3358	-56.35	-13	-43.35	-72.64	-65.02	1.33	12.16	V
									V

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

LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-53.73	-13	-40.73	-62.94	-59.32	0.92	8.66	H
	2472	-34.80	-13	-21.80	-48.97	-42.17	1.14	10.66	H
	3296	-56.39	-13	-43.39	-72.37	-64.93	1.32	12.01	H
	4128	-48.55	-13	-35.55	-67.96	-57.70	1.47	12.77	H
									H
	1648	-51.00	-13	-38.00	-59.68	-56.59	0.92	8.66	V
	2472	-32.68	-13	-19.68	-47	-40.05	1.14	10.66	V
	3296	-53.83	-13	-40.83	-70.28	-62.37	1.32	12.01	V
	4128	-45.21	-13	-32.21	-64.68	-54.36	1.47	12.77	V
									V
Middle	1656	-55.95	-13	-42.95	-65.19	-61.57	0.92	8.69	H
	2489	-36.92	-13	-23.92	-51.12	-44.31	1.15	10.68	H
	3320	-56.13	-13	-43.13	-72.05	-64.72	1.33	12.07	H
	4152	-47.49	-13	-34.49	-66.92	-56.64	1.47	12.77	H
									H
	1656	-52.56	-13	-39.56	-61.23	-58.18	0.92	8.69	V
	2489	-33.86	-13	-20.86	-48.25	-41.25	1.15	10.68	V
	3320	-56.26	-13	-43.26	-72.64	-64.85	1.33	12.07	V
	4152	-49.21	-13	-36.21	-68.73	-58.36	1.47	12.77	V
									V
Highest	1669	-57.55	-13	-44.55	-66.84	-63.21	0.93	8.74	H
	2504	-51.62	-13	-38.62	-65.84	-59.02	1.15	10.70	H
	3339	-56.72	-13	-43.72	-72.6	-65.35	1.33	12.11	H
									H
	1669	-61.54	-13	-48.54	-70.2	-67.20	0.93	8.74	V
	2504	-50.80	-13	-37.80	-65.23	-58.20	1.15	10.70	V
	3339	-56.19	-13	-43.19	-72.53	-64.82	1.33	12.11	V
									V

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

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-53.95	-13	-40.95	-72.67	-65.16	1.41	12.62	H
	5553	-49.56	-13	-36.56	-73.37	-61.12	1.74	13.30	H
	7404	-45.42	-13	-32.42	-73.09	-54.74	1.94	11.25	H
									H
	3702	-53.74	-13	-40.74	-72.61	-64.95	1.41	12.62	V
	5553	-49.79	-13	-36.79	-73.13	-61.35	1.74	13.30	V
	7404	-45.31	-13	-32.31	-72.83	-54.63	1.94	11.25	V
									V
Middle	3744	-53.70	-13	-40.70	-72.59	-64.92	1.42	12.65	H
	5613	-48.69	-13	-35.69	-72.42	-60.25	1.74	13.30	H
	7484	-45.85	-13	-32.85	-73.16	-54.99	1.98	11.13	H
									H
	3744	-53.21	-13	-40.21	-72.3	-64.43	1.42	12.65	V
	5613	-49.61	-13	-36.61	-73	-61.17	1.74	13.30	V
	7484	-45.72	-13	-32.72	-72.98	-54.86	1.98	11.13	V
									V
Highest	3782	-53.59	-13	-40.59	-72.62	-63.80	2.02	12.23	H
	5673	-49.46	-13	-36.46	-73.48	-59.79	2.12	12.44	H
	7564	-46.45	-13	-33.45	-73.35	-54.57	2.11	10.23	H
									H
	3782	-53.21	-13	-40.21	-72.49	-63.42	2.02	12.23	V
	5673	-50.07	-13	-37.07	-73.54	-60.40	2.12	12.44	V
	7564	-46.37	-13	-33.37	-73.21	-54.49	2.11	10.23	V
									V

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

LTE Band 25

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-53.95	-13	-40.95	-72.67	-65.16	1.41	12.62	H
	5553	-49.45	-13	-36.45	-73.26	-61.01	1.74	13.30	H
	7404	-45.91	-13	-32.91	-73.58	-55.23	1.94	11.25	H
									H
	3702	-53.58	-13	-40.58	-72.45	-64.79	1.41	12.62	V
	5553	-50.18	-13	-37.18	-73.52	-61.74	1.74	13.30	V
	7404	-45.87	-13	-32.87	-73.39	-55.19	1.94	11.25	V
									V
Middle	3742	-53.28	-13	-40.28	-72.15	-64.50	1.42	12.65	H
	5613	-48.29	-13	-35.29	-72.02	-59.85	1.74	13.30	H
	7484	-45.92	-13	-32.92	-73.23	-55.06	1.98	11.13	H
									H
	3742	-53.30	-13	-40.30	-72.37	-64.52	1.42	12.65	V
	5613	-50.05	-13	-37.05	-73.44	-61.61	1.74	13.30	V
	7484	-45.69	-13	-32.69	-72.95	-54.83	1.98	11.13	V
									V
Highest	3792	-53.15	-13	-40.15	-72.23	-64.39	1.44	12.68	H
	5688	-50.02	-13	-37.02	-74.11	-61.59	1.73	13.30	H
	7584	-46.81	-13	-33.81	-73.6	-55.93	2.00	11.12	H
									H
	3792	-52.96	-13	-39.96	-72.3	-64.20	1.44	12.68	V
	5688	-50.07	-13	-37.07	-73.63	-61.64	1.73	13.30	V
	7584	-46.31	-13	-33.31	-73.06	-55.43	2.00	11.12	V
									V

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

LTE Band 4

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-55.50	-13	-42.50	-72.18	-66.46	1.35	12.31	H
	5133	-51.02	-13	-38.02	-73.6	-62.16	1.64	12.79	H
	6844	-47.33	-13	-34.33	-73.51	-57.71	1.74	12.12	H
									H
	3420	-55.74	-13	-42.74	-72.85	-66.70	1.35	12.31	V
	5133	-51.40	-13	-38.40	-73.73	-62.54	1.64	12.79	V
	6844	-47.11	-13	-34.11	-72.89	-57.49	1.74	12.12	V
									V
Middle	3448	-55.46	-13	-42.46	-72.42	-66.48	1.35	12.38	H
	5172	-49.87	-13	-36.87	-72.46	-61.06	1.65	12.84	H
	6894	-46.67	-13	-33.67	-73.11	-56.98	1.73	12.05	H
									H
	3448	-54.94	-13	-41.94	-72.29	-65.96	1.35	12.38	V
	5172	-50.99	-13	-37.99	-73.37	-62.18	1.65	12.84	V
	6894	-47.02	-13	-34.02	-73.03	-57.33	1.73	12.05	V
									V
Highest	3469	-55.15	-13	-42.15	-72.31	-66.22	1.35	12.43	H
	5208	-50.81	-13	-37.81	-73.43	-62.04	1.66	12.89	H
	6944	-45.59	-13	-32.59	-72.3	-55.84	1.73	11.98	H
									H
	3469	-54.74	-13	-41.74	-72.28	-65.81	1.35	12.43	V
	5208	-51.20	-13	-38.20	-73.65	-62.43	1.66	12.89	V
	6944	-46.79	-13	-33.79	-73.04	-57.04	1.73	11.98	V
									V

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

LTE Band 66

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-55.88	-13	-42.88	-72.56	-66.84	1.35	12.31	H
	5133	-51.07	-13	-38.07	-73.65	-62.21	1.64	12.79	H
	6844	-47.20	-13	-34.20	-73.38	-57.58	1.74	12.12	H
									H
	3420	-55.69	-13	-42.69	-72.8	-66.65	1.35	12.31	V
	5133	-50.87	-13	-37.87	-73.2	-62.01	1.64	12.79	V
	6844	-47.73	-13	-34.73	-73.51	-58.11	1.74	12.12	V
									V
Middle	3469	-54.93	-13	-41.93	-72.09	-66.00	1.35	12.43	H
	5208	-51.03	-13	-38.03	-73.65	-62.26	1.66	12.89	H
	6944	-46.05	-13	-33.05	-72.76	-56.30	1.73	11.98	H
									H
	3469	-54.85	-13	-41.85	-72.42	-65.92	1.35	12.43	V
	5208	-50.86	-13	-37.86	-73.31	-62.09	1.66	12.89	V
	6944	-46.55	-13	-33.55	-72.78	-56.80	1.73	11.98	V
									V
Highest	3525	-54.59	-13	-41.59	-72.27	-65.74	1.37	12.52	H
	5283	-50.86	-13	-37.86	-73.75	-62.17	1.68	13.00	H
	7044	-45.07	-13	-32.07	-72.22	-55.16	1.74	11.83	H
									H
	3525	-54.00	-13	-41.00	-71.93	-65.15	1.37	12.52	V
	5283	-50.86	-13	-37.86	-73.48	-62.17	1.68	13.00	V
	7044	-46.13	-13	-33.13	-72.84	-56.22	1.74	11.83	V
									V

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

LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-60.57	-13.00	-47.57	-70.84	-65.21	0.84	7.64	H
	2099	-58.14	-13.00	-45.14	-71.45	-65.07	1.06	10.14	H
	2798	-57.27	-13.00	-44.27	-72.21	-64.96	1.22	11.06	H
									H
	1399	-60.88	-13.00	-47.88	-69.93	-65.52	0.84	7.64	V
	2099	-59.84	-13.00	-46.84	-72.05	-66.77	1.06	10.14	V
	2798	-57.55	-13.00	-44.55	-72.43	-65.24	1.22	11.06	V
									V
Middle	1406	-60.76	-13.00	-47.76	-71.00	-65.43	0.85	7.67	H
	2109	-58.37	-13.00	-45.37	-71.80	-65.31	1.06	10.15	H
	2812	-57.51	-13.00	-44.51	-72.51	-65.21	1.22	11.07	H
									H
	1406	-60.16	-13.00	-47.16	-69.18	-64.83	0.85	7.67	V
	2109	-52.23	-13.00	-39.23	-64.60	-59.17	1.06	10.15	V
	2812	-57.28	-13.00	-44.28	-72.23	-64.98	1.22	11.07	V
									V
Highest	1413	-60.64	-13.00	-47.64	-70.87	-65.34	0.85	7.70	H
	2120	-57.82	-13.00	-44.82	-71.49	-64.77	1.07	10.17	H
	2826	-57.18	-13.00	-44.18	-72.23	-64.89	1.23	11.09	H
									H
	1413	-60.81	-13.00	-47.81	-69.82	-65.51	0.85	7.70	V
	2120	-54.81	-13.00	-41.81	-67.35	-61.76	1.07	10.17	V
	2826	-57.40	-13.00	-44.40	-72.42	-65.11	1.23	11.09	V
									V

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

LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-59.45	-13	-46.45	-68.92	-64.71	0.89	8.30	H
	2332	-57.81	-13	-44.81	-72.23	-65.01	1.11	10.46	H
	3109	-56.74	-13	-43.74	-72.75	-64.86	1.29	11.56	H
									H
	1552	-61.33	-13	-48.33	-70.09	-66.59	0.89	8.30	V
	2332	-58.31	-13	-45.31	-72.28	-65.51	1.11	10.46	V
	3109	-56.35	-13	-43.35	-72.70	-64.47	1.29	11.56	V
									V
Middle	1560	-59.65	-42.15	-17.50	-69.05	-64.94	0.89	8.33	H
	2336	-47.51	-13	-34.51	-61.91	-54.72	1.11	10.47	H
	3119	-56.31	-13	-43.31	-72.34	-64.45	1.29	11.59	H
									H
	1560	-61.78	-42.15	-19.63	-70.54	-67.07	0.89	8.33	V
	2336	-47.85	-13	-34.85	-61.82	-55.06	1.11	10.47	V
	3119	-56.03	-13	-43.03	-72.42	-64.17	1.29	11.59	V
									V
Highest	1568	-60.78	-42.15	-18.63	-70.13	-66.10	0.89	8.36	H
	2344	-49.48	-13	-36.48	-63.83	-56.70	1.12	10.48	H
	3912	-52.36	-13	-39.36	-71.34	-61.49	1.47	12.75	H
									H
	1568	-61.94	-42.15	-19.79	-70.69	-67.26	0.89	8.36	V
	2344	-47.47	-13	-34.47	-61.45	-54.69	1.12	10.48	V
	3912	-51.30	-13	-38.30	-70.34	-60.43	1.47	12.75	V
									V

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

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-60.37	-13	-47.37	-69.8	-65.64	0.89	8.31	H
	2336	-47.81	-13	-34.81	-62.21	-55.02	1.11	10.47	H
	3110	-56.69	-13	-43.69	-72.7	-64.81	1.29	11.56	H
									H
	1555	-62.22	-13	-49.22	-70.97	-67.49	0.89	8.31	V
	2336	-46.69	-13	-33.69	-60.66	-53.90	1.11	10.47	V
	3110	-56.16	-13	-43.16	-72.52	-64.28	1.29	11.56	V
									V

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

LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-51.02	-25	-26.02	-73.57	-62.01	1.61	12.60	H
	7503	-46.06	-25	-21.06	-73.28	-55.17	1.99	11.10	H
	10004	-43.06	-25	-18.06	-73.4	-51.96	2.40	11.30	H
									H
	5002	-51.51	-25	-26.51	-73.61	-62.50	1.61	12.60	V
	7503	-45.63	-25	-20.63	-72.82	-54.74	1.99	11.10	V
	10004	-42.39	-25	-17.39	-73.52	-51.29	2.40	11.30	V
									V
Middle	5052	-51.05	-25	-26.05	-73.6	-62.10	1.62	12.67	H
	7578	-46.40	-25	-21.40	-73.22	-55.51	2.00	11.12	H
	10107	-42.63	-25	-17.63	-73.25	-51.45	2.40	11.21	H
									H
	5052	-51.23	-25	-26.23	-73.41	-62.28	1.62	12.67	V
	7578	-46.28	-25	-21.28	-73.06	-55.39	2.00	11.12	V
	10107	-42.26	-25	-17.26	-73.45	-51.08	2.40	11.21	V
									V
Highest	5100	-51.19	-25	-26.19	-73.76	-62.29	1.64	12.74	H
	7656	-46.19	-25	-21.19	-72.91	-55.31	2.01	11.13	H
	10206	-42.24	-25	-17.24	-73.13	-50.98	2.40	11.14	H
									H
	5100	-51.23	-25	-26.23	-73.5	-62.33	1.64	12.74	V
	7656	-45.53	-25	-20.53	-72.13	-54.65	2.01	11.13	V
	10206	-41.84	-25	-16.84	-73.08	-50.58	2.40	11.14	V
									V

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

LTE Band 38

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-51.56	-25	-26.56	-74.15	-62.71	1.65	12.80	H
	7716	-45.55	-25	-20.55	-72.27	-54.67	2.02	11.14	H
	10287	-42.12	-25	-17.12	-73.24	-50.80	2.39	11.07	H
									H
	5142	-51.85	-25	-26.85	-74.19	-63.00	1.65	12.80	V
	7716	-46.57	-25	-21.57	-73.1	-55.69	2.02	11.14	V
	10287	-41.76	-25	-16.76	-73.05	-50.44	2.39	11.07	V
									V
Middle	5172	-50.87	-25	-25.87	-73.45	-62.06	1.65	12.84	H
	7758	-44.08	-25	-19.08	-70.81	-53.21	2.03	11.15	H
	10341	-42.26	-25	-17.26	-73.53	-50.89	2.39	11.03	H
									H
	5172	-51.73	-25	-26.73	-74.11	-62.92	1.65	12.84	V
	7758	-46.85	-25	-21.85	-73.33	-55.98	2.03	11.15	V
	10341	-42.17	-25	-17.17	-73.49	-50.80	2.39	11.03	V
									V
Highest	5202	-51.68	-25	-26.68	-74.28	-62.90	1.66	12.88	H
	7806	-44.99	-25	-19.99	-71.77	-54.12	2.03	11.16	H
	10404	-41.60	-25	-16.60	-73.04	-50.18	2.39	10.98	H
									H
	5202	-51.92	-25	-26.92	-74.35	-63.14	1.66	12.88	V
	7806	-46.69	-25	-21.69	-73.17	-55.82	2.03	11.16	V
	10404	-41.81	-25	-16.81	-73.17	-50.39	2.39	10.98	V
									V

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

LTE Band 41

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-50.83	-25	-25.83	-73.36	-61.82	1.61	12.60	H
	7494	-45.08	-25	-20.08	-72.34	-54.20	1.99	11.11	H
	9990	-43.01	-25	-18.01	-73.38	-51.92	2.40	11.30	H
									H
	4992	-51.30	-25	-26.30	-73.37	-62.29	1.61	12.60	V
	7494	-45.91	-25	-20.91	-73.13	-55.03	1.99	11.11	V
	9990	-42.11	-25	-17.11	-73.25	-51.02	2.40	11.30	V
									V
Middle	5166	-51.50	-25	-26.50	-74.08	-62.68	1.65	12.83	H
	7752	-45.14	-25	-20.14	-71.87	-54.27	2.03	11.15	H
	10332	-42.49	-25	-17.49	-73.73	-51.13	2.39	11.03	H
									H
	5166	-51.69	-25	-26.69	-74.06	-62.87	1.65	12.83	V
	7752	-46.62	-25	-21.62	-73.11	-55.75	2.03	11.15	V
	10332	-42.33	-25	-17.33	-73.65	-50.97	2.39	11.03	V
									V
Highest	5342	-51.03	-25	-26.03	-74.14	-62.41	1.70	13.08	H
	8013	-42.31	-25	-17.31	-70.38	-51.48	2.06	11.23	H
	10683	-41.33	-25	-16.33	-73.06	-49.74	2.49	10.90	H
									H
	5342	-51.37	-25	-26.37	-74.13	-62.75	1.70	13.08	V
	8013	-45.31	-25	-20.31	-73.27	-54.48	2.06	11.23	V
	10683	-41.59	-25	-16.59	-73.08	-50.00	2.49	10.90	V
									V

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