



FCC RADIO TEST REPORT

FCC ID : QYLEM7511F
Equipment : WWAN module
Brand Name : Getac
Model Name : EM7511
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang
Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.
Standard : 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Sep. 19, 2018 and testing was started from Sep. 28, 2018 and completed on Oct. 17, 2018. We, SPORTON INTERNATIONAL INC., 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.

Approved by: Joseph Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	5
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Test Mode.....	7
2.2 Connection Diagram of Test System.....	8
2.3 Support Unit used in test configuration and system	8
2.4 Frequency List of Low/Middle/High Channels	9
3 Conducted Test Items.....	16
3.1 Measuring Instruments	16
3.2 Conducted Output Power	16
4 Radiated Test Items	17
4.1 Measuring Instruments	17
4.2 Radiated Spurious Emission	18
5 List of Measuring Equipment.....	19
6 Uncertainty of Evaluation.....	20
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FG391803-52B	01	Initial issue of report	Oct. 24, 2018



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
3.2	§2.1046	Conducted Output Power	Reporting only
4.2	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7)	Pass

Reviewed by: Wii Chang

Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, GNSS, and Digitizer.

Product Specification subjective to this standard	
Installed into Tablet	Brand Name: Getac Model Name : F110
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass: PATCH Antenna Digitizer: Loop Antenna

1.2 Modification of EUT

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

1.3 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH05-HY

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH10-HY

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



1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01

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.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168

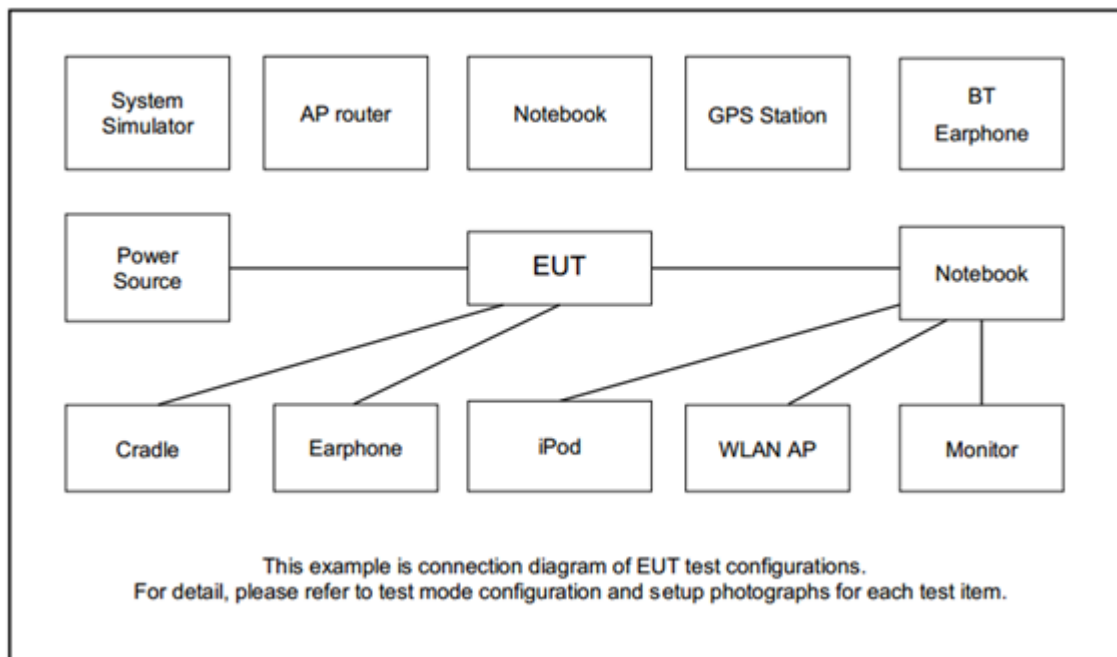
D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	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
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	1	Half	Full	L	M	H	
Max. Output Power	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	7_CA	Worst Case																			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	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
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 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 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 7 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 41 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

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

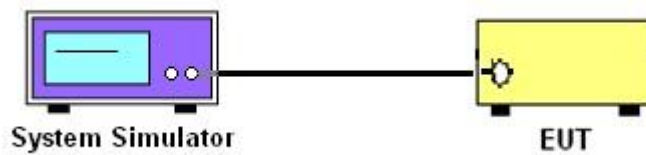
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Description of the Conducted Output Power 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.

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.

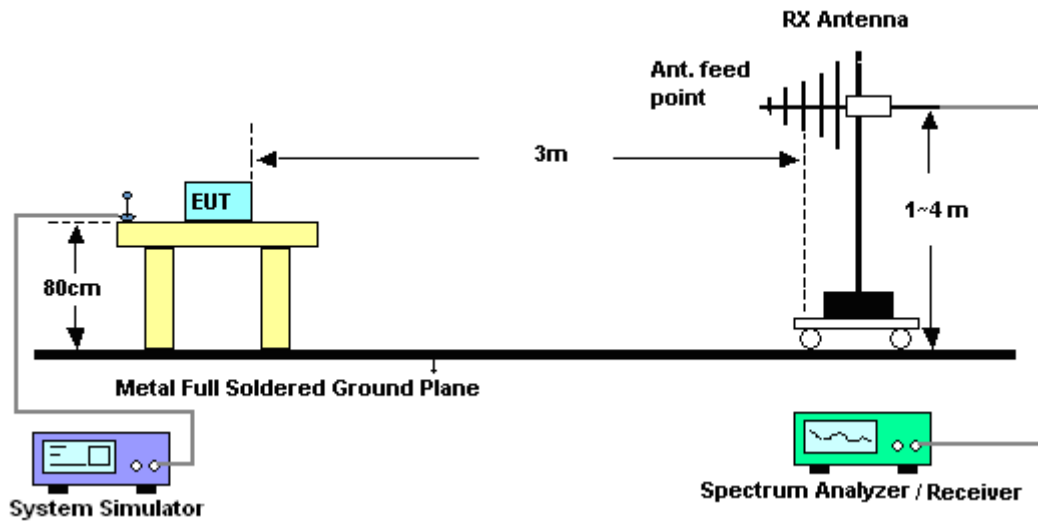
4 Radiated Test Items

4.1 Measuring Instruments

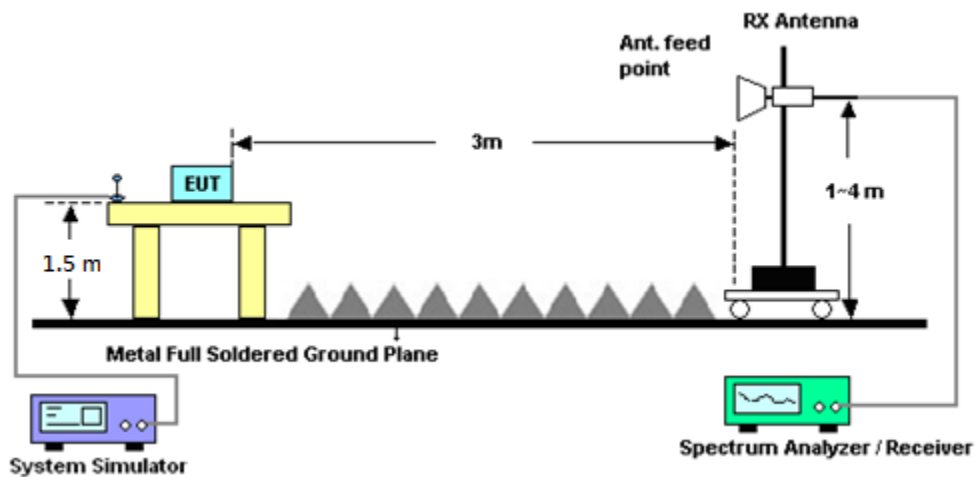
See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

4.2 Radiated Spurious Emission

4.2.1 Description of Radiated Spurious Emission

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 Band 7

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.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI / TIA-603-E Section 2.2.12.

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

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

11. For Band 7:

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

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

ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6201341950	-	Apr. 17, 2018	Sep. 28, 2018~ Oct. 12, 2018	Apr. 16, 2019	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Dec. 18, 2017	Oct. 09, 2018~ Oct. 17, 2018	Dec. 17, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 02, 2018	Oct. 09, 2018~ Oct. 17, 2018	Oct. 01, 2019	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 27, 2017	Oct. 09, 2018~ Oct. 17, 2018	Nov. 26, 2018	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2017	Oct. 09, 2018~ Oct. 17, 2018	Oct. 18, 2018	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 25, 2017	Oct. 09, 2018~ Oct. 17, 2018	Oct. 24, 2018	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 31, 2017	Oct. 09, 2018~ Oct. 17, 2018	Oct. 30, 2018	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Oct. 09, 2018~ Oct. 17, 2018	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Oct. 09, 2018~ Oct. 17, 2018	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Oct. 09, 2018~ Oct. 17, 2018	N/A	Radiation (03CH10-HY)
Filter	Wainwright	WHKX12-108 0-1200-1500-60SS	SN2	1.2G High Pass	Sep. 17, 2018	Oct. 09, 2018~ Oct. 17, 2018	Sep. 16, 2019	Radiation (03CH10-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000-60SS	SN3	2.7G High Pass	Sep. 17, 2018	Oct. 09, 2018~ Oct. 17, 2018	Sep. 16, 2019	Radiation (03CH10-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	May 22, 2018	Oct. 09, 2018~ Oct. 17, 2018	May 21, 2019	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 20, 2017	Oct. 09, 2018~ Oct. 17, 2018	Oct. 19, 2018	Radiation (03CH10-HY)



6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.17
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.48
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.00
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.15	23.09	23.16
20	1	49		22.81	22.74	22.98
20	1	99		22.88	22.91	23.07
20	50	0		21.95	21.90	22.14
20	50	24		21.89	21.83	22.08
20	50	50		21.75	21.81	22.05
20	100	0		21.94	21.85	22.12
20	1	0	16-QAM	22.48	22.45	22.45
20	1	49		22.13	22.09	22.30
20	1	99		22.20	22.22	22.35
20	50	0		20.98	20.90	21.13
20	50	24		20.91	20.85	21.07
20	50	50		20.78	20.82	21.05
20	100	0		20.92	20.86	21.11
20	1	0	64-QAM	21.35	21.34	21.39
20	1	49		21.00	20.95	21.25
20	1	99		21.07	21.15	21.29
20	50	0		19.98	19.91	20.15
20	50	24		19.93	19.85	20.10
20	50	50		19.79	19.82	20.07
20	100	0		19.94	19.83	20.15
15	1	0	QPSK	23.00	22.97	23.15
15	1	37		22.83	22.80	23.01
15	1	74		22.78	22.83	23.08
15	36	0		21.95	21.91	22.14
15	36	20		21.94	21.86	22.12
15	36	39		21.88	21.83	22.10
15	75	0		21.94	21.85	22.12
15	1	0	16-QAM	22.31	22.24	22.48
15	1	37		22.18	22.15	22.36
15	1	74		22.09	22.14	22.37
15	36	0		20.97	20.90	21.12
15	36	20		20.93	20.85	21.08
15	36	39		20.89	20.82	21.10
15	75	0		20.92	20.88	21.12
15	1	0	64-QAM	21.25	21.21	21.40
15	1	37		21.06	21.00	21.25
15	1	74		20.97	21.03	21.31
15	36	0		20.01	19.92	20.18
15	36	20		19.98	19.87	20.12
15	36	39		19.93	19.87	20.10
15	75	0		19.93	19.83	20.11



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.12	23.12	23.14
10	1	25		22.87	22.82	23.07
10	1	49		23.10	23.02	23.08
10	25	0		21.94	21.86	22.12
10	25	12		21.92	21.86	22.10
10	25	25		21.89	21.83	22.07
10	50	0		21.91	21.84	22.10
10	1	0	16-QAM	22.45	22.39	22.41
10	1	25		22.15	22.15	22.36
10	1	49		22.33	22.32	22.33
10	25	0		20.95	20.88	21.09
10	25	12		20.92	20.88	21.11
10	25	25		20.89	20.84	21.08
10	50	0		20.93	20.88	21.12
10	1	0	64-QAM	21.34	21.34	21.33
10	1	25		21.06	21.05	21.28
10	1	49		21.25	21.25	21.28
10	25	0		19.96	19.88	20.13
10	25	12		19.93	19.86	20.11
10	25	25		19.91	19.83	20.10
10	50	0		19.91	19.87	20.11
5	1	0	QPSK	22.90	22.86	23.09
5	1	12		22.84	22.78	23.04
5	1	24		22.86	22.82	23.10
5	12	0		21.90	21.84	22.10
5	12	7		21.90	21.83	22.11
5	12	13		21.85	21.80	22.07
5	25	0		21.85	21.79	22.08
5	1	0	16-QAM	22.23	22.22	22.43
5	1	12		22.19	22.21	22.36
5	1	24		22.16	22.16	22.31
5	12	0		20.91	20.85	21.10
5	12	7		20.92	20.83	21.12
5	12	13		20.86	20.84	21.09
5	25	0		20.87	20.85	21.12
5	1	0	64-QAM	21.14	21.05	21.31
5	1	12		21.03	21.01	21.27
5	1	24		21.03	21.01	21.27
5	12	0		19.97	19.90	20.16
5	12	7		19.95	19.91	20.18
5	12	13		19.91	19.87	20.15
5	25	0		19.94	19.86	20.10



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.85	22.81	23.07
3	1	8		22.84	22.79	23.08
3	1	14		22.84	22.79	23.05
3	8	0		21.86	21.80	22.08
3	8	4		21.88	21.80	22.05
3	8	7		21.82	21.77	22.05
3	15	0		21.84	21.79	22.04
3	1	0	16-QAM	22.19	22.14	22.36
3	1	8		22.18	22.05	22.32
3	1	14		22.15	22.12	22.24
3	8	0		20.95	20.88	21.15
3	8	4		20.95	20.88	21.13
3	8	7		20.90	20.84	21.12
3	15	0		20.86	20.83	21.10
3	1	0	64-QAM	21.01	21.01	21.28
3	1	8		21.02	20.97	21.28
3	1	14		21.02	21.01	21.28
3	8	0		19.91	19.85	20.11
3	8	4		19.92	19.87	20.13
3	8	7		19.87	19.84	20.09
3	15	0		19.87	19.82	20.07
1.4	1	0	QPSK	22.76	22.73	22.97
1.4	1	3		22.82	22.78	23.03
1.4	1	5		22.75	22.71	22.95
1.4	3	0		22.77	22.78	23.04
1.4	3	1		22.83	22.84	23.10
1.4	3	3		22.78	22.77	23.04
1.4	6	0		21.77	21.71	22.00
1.4	1	0	16-QAM	22.05	22.03	22.27
1.4	1	3		22.15	22.08	22.29
1.4	1	5		22.05	22.01	22.18
1.4	3	0		21.86	21.82	22.05
1.4	3	1		21.88	21.85	22.08
1.4	3	3		21.84	21.78	22.03
1.4	6	0		20.85	20.82	21.07
1.4	1	0	64-QAM	20.93	20.88	21.17
1.4	1	3		21.00	20.95	21.24
1.4	1	5		20.97	20.93	21.18
1.4	3	0		20.93	20.91	21.19
1.4	3	1		20.99	20.98	21.23
1.4	3	3		20.92	20.91	21.16
1.4	6	0		19.81	19.76	19.99



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.27	23.43	23.29
20	1	49		23.09	23.19	23.06
20	1	99		23.11	23.12	22.99
20	50	0		22.22	22.38	22.26
20	50	24		22.21	22.34	22.18
20	50	50		22.16	22.18	22.12
20	100	0		22.23	22.32	22.21
20	1	0	16-QAM	22.57	22.60	22.75
20	1	49		22.37	22.47	22.38
20	1	99		22.40	22.42	22.31
20	50	0		21.27	21.30	21.33
20	50	24		21.22	21.31	21.20
20	50	50		21.18	21.21	21.14
20	100	0		21.19	21.33	21.17
20	1	0	64-QAM	21.55	21.51	21.62
20	1	49		21.33	21.40	21.24
20	1	99		21.32	21.39	21.20
20	50	0		20.27	20.29	20.33
20	50	24		20.22	20.31	20.19
20	50	50		20.20	20.19	20.16
20	100	0		20.20	20.35	20.18
15	1	0	QPSK	23.30	23.32	23.36
15	1	37		23.11	23.22	23.23
15	1	74		23.18	23.19	23.16
15	36	0		22.24	22.28	22.35
15	36	20		22.23	22.33	22.29
15	36	39		22.18	22.32	22.32
15	75	0		22.21	22.33	22.33
15	1	0	16-QAM	22.58	22.62	22.77
15	1	37		22.43	22.54	22.54
15	1	74		22.46	22.50	22.47
15	36	0		21.27	21.31	21.37
15	36	20		21.23	21.32	21.33
15	36	39		21.21	21.30	21.31
15	75	0		21.20	21.35	21.36
15	1	0	64-QAM	21.50	21.50	21.65
15	1	37		21.31	21.39	21.40
15	1	74		21.32	21.38	21.37
15	36	0		20.27	20.28	20.40
15	36	20		20.24	20.37	20.33
15	36	39		20.23	20.33	20.32
15	75	0		20.20	20.33	20.33



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.31	23.26	23.27
10	1	25		23.23	23.27	23.16
10	1	49		23.22	23.15	23.05
10	25	0		22.33	22.36	22.24
10	25	12		22.28	22.35	22.24
10	25	25		22.27	22.30	22.09
10	50	0		22.30	22.35	22.24
10	1	0	16-QAM	22.61	22.54	22.51
10	1	25		22.54	22.55	22.43
10	1	49		22.52	22.45	22.34
10	25	0		21.32	21.33	21.24
10	25	12		21.31	21.34	21.27
10	25	25		21.27	21.30	21.07
10	50	0		21.31	21.32	21.27
10	1	0	64-QAM	21.53	21.47	21.42
10	1	25		21.43	21.45	21.36
10	1	49		21.41	21.36	21.24
10	25	0		20.33	20.35	20.25
10	25	12		20.36	20.35	20.27
10	25	25		20.27	20.32	20.12
10	50	0		20.31	20.36	20.27
5	1	0	QPSK	23.24	23.27	23.20
5	1	12		23.21	23.25	23.01
5	1	24		23.21	23.25	23.02
5	12	0		22.26	22.28	22.10
5	12	7		22.27	22.29	22.11
5	12	13		22.23	22.27	22.06
5	25	0		22.28	22.29	22.07
5	1	0	16-QAM	22.58	22.58	22.48
5	1	12		22.53	22.55	22.33
5	1	24		22.53	22.55	22.36
5	12	0		21.30	21.33	21.13
5	12	7		21.29	21.33	21.13
5	12	13		21.26	21.28	21.08
5	25	0		21.29	21.32	21.09
5	1	0	64-QAM	21.39	21.49	21.37
5	1	12		21.30	21.43	21.21
5	1	24		21.30	21.44	21.19
5	12	0		20.25	20.37	20.17
5	12	7		20.27	20.37	20.17
5	12	13		20.22	20.35	20.12
5	25	0		20.23	20.35	20.13



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.13	23.26	22.97
3	1	8		23.12	23.21	22.94
3	1	14		23.10	23.22	22.93
3	8	0		22.13	22.29	21.99
3	8	4		22.16	22.29	21.99
3	8	7		22.17	22.28	21.94
3	15	0		22.17	22.27	21.98
3	1	0	16-QAM	22.46	22.55	22.26
3	1	8		22.42	22.54	22.26
3	1	14		22.42	22.53	22.21
3	8	0		21.20	21.36	21.06
3	8	4		21.24	21.38	21.04
3	8	7		21.22	21.31	21.03
3	15	0		21.19	21.31	20.97
3	1	0	64-QAM	21.30	21.42	21.13
3	1	8		21.29	21.42	21.12
3	1	14		21.28	21.41	21.10
3	8	0		20.19	20.34	20.04
3	8	4		20.23	20.37	20.04
3	8	7		20.19	20.33	20.02
3	15	0		20.18	20.32	19.98
1.4	1	0	QPSK	23.05	23.14	22.87
1.4	1	3		23.09	23.24	22.94
1.4	1	5		23.02	23.16	22.87
1.4	3	0		23.09	23.21	22.89
1.4	3	1		23.15	23.24	22.95
1.4	3	3		23.06	23.19	22.91
1.4	6	0		22.08	22.23	21.93
1.4	1	0	16-QAM	22.35	22.45	22.17
1.4	1	3		22.43	22.54	22.27
1.4	1	5		22.35	22.46	22.16
1.4	3	0		22.09	22.23	21.94
1.4	3	1		22.16	22.30	22.00
1.4	3	3		22.10	22.23	21.95
1.4	6	0		21.16	21.28	20.97
1.4	1	0	64-QAM	21.22	21.36	21.08
1.4	1	3		21.27	21.42	21.13
1.4	1	5		21.17	21.36	21.03
1.4	3	0		21.21	21.34	21.05
1.4	3	1		21.27	21.37	21.11
1.4	3	3		21.22	21.35	21.07
1.4	6	0		20.07	20.21	19.90



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.09	23.33	23.03
10	1	25		23.06	23.31	22.97
10	1	49		22.99	23.15	22.96
10	25	0		22.16	22.28	22.11
10	25	12		22.14	22.36	22.09
10	25	25		22.09	22.21	22.02
10	50	0		22.11	22.32	22.03
10	1	0	16-QAM	22.38	22.50	22.34
10	1	25		22.33	22.57	22.23
10	1	49		22.29	22.40	22.19
10	25	0		21.11	21.32	21.04
10	25	12		21.11	21.36	21.07
10	25	25		21.06	21.20	21.00
10	50	0		21.13	21.35	21.05
10	1	0	64-QAM	21.27	21.46	21.26
10	1	25		21.26	21.52	21.20
10	1	49		21.20	21.37	21.18
10	25	0		20.14	20.37	20.07
10	25	12		20.15	20.37	20.08
10	25	25		20.10	20.21	20.02
10	50	0		20.14	20.35	20.06
5	1	0	QPSK	23.17	23.28	22.97
5	1	12		23.12	23.22	22.92
5	1	24		23.13	23.24	22.95
5	12	0		22.25	22.34	21.99
5	12	7		22.22	22.33	22.02
5	12	13		22.15	22.29	22.01
5	25	0		22.21	22.31	22.00
5	1	0	16-QAM	22.52	22.59	22.24
5	1	12		22.44	22.61	22.24
5	1	24		22.45	22.53	22.22
5	12	0		21.24	21.36	21.01
5	12	7		21.25	21.35	21.02
5	12	13		21.18	21.33	21.01
5	25	0		21.20	21.33	21.00
5	1	0	64-QAM	21.35	21.50	21.20
5	1	12		21.30	21.44	21.19
5	1	24		21.30	21.43	21.16
5	12	0		20.27	20.40	20.10
5	12	7		20.29	20.40	20.10
5	12	13		20.25	20.37	20.05
5	25	0		20.24	20.36	20.02



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.04	23.28	22.94
3	1	8		23.03	23.24	22.92
3	1	14		23.03	23.24	22.91
3	8	0		22.10	22.33	21.97
3	8	4		22.11	22.34	22.01
3	8	7		22.12	22.32	21.94
3	15	0		22.07	22.31	21.99
3	1	0	16-QAM	22.38	22.53	22.23
3	1	8		22.38	22.58	22.22
3	1	14		22.30	22.52	22.16
3	8	0		21.17	21.38	21.05
3	8	4		21.17	21.38	21.07
3	8	7		21.15	21.37	21.04
3	15	0		21.11	21.34	21.01
3	1	0	64-QAM	21.25	21.51	21.13
3	1	8		21.26	21.44	21.12
3	1	14		21.26	21.47	21.15
3	8	0		20.16	20.35	20.02
3	8	4		20.18	20.36	20.04
3	8	7		20.15	20.33	20.02
3	15	0		20.17	20.35	19.98
1.4	1	0	QPSK	22.99	23.19	22.84
1.4	1	3		23.04	23.25	22.91
1.4	1	5		22.98	23.17	22.84
1.4	3	0		23.01	23.20	22.88
1.4	3	1		23.06	23.27	22.95
1.4	3	3		23.01	23.20	22.91
1.4	6	0		22.02	22.24	21.91
1.4	1	0	16-QAM	22.30	22.52	22.14
1.4	1	3		22.35	22.55	22.20
1.4	1	5		22.26	22.45	22.11
1.4	3	0		22.05	22.26	21.94
1.4	3	1		22.09	22.32	21.99
1.4	3	3		22.06	22.26	21.92
1.4	6	0		21.12	21.31	20.97
1.4	1	0	64-QAM	21.12	21.38	21.07
1.4	1	3		21.21	21.48	21.13
1.4	1	5		21.14	21.37	21.03
1.4	3	0		21.18	21.38	21.04
1.4	3	1		21.26	21.44	21.09
1.4	3	3		21.19	21.35	21.04
1.4	6	0		20.07	20.23	19.93



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.24	22.08	22.19
20	1	49		22.13	22.01	22.01
20	1	99		22.22	22.06	22.14
20	50	0		21.26	22.15	21.13
20	50	24		21.21	21.09	21.07
20	50	50		21.24	21.11	21.10
20	100	0		21.24	21.12	21.08
20	1	0	16-QAM	21.54	21.45	21.51
20	1	49		21.45	21.41	21.29
20	1	99		21.57	21.46	21.49
20	50	0		20.17	20.11	20.14
20	50	24		20.28	20.15	20.08
20	50	50		20.23	20.16	20.11
20	100	0		20.22	20.16	20.05
20	1	0	64-QAM	20.51	20.28	20.40
20	1	49		20.33	20.26	20.20
20	1	99		20.34	20.25	20.39
20	50	0		19.17	19.10	19.14
20	50	24		19.25	19.11	19.09
20	50	50		19.25	19.16	19.13
20	100	0		19.25	19.15	19.09
15	1	0	QPSK	22.18	22.10	22.15
15	1	37		22.04	22.04	22.06
15	1	74		22.19	22.05	22.13
15	36	0		21.18	21.10	21.10
15	36	20		21.16	21.13	21.12
15	36	39		21.25	21.14	21.14
15	75	0		21.16	21.13	21.11
15	1	0	16-QAM	21.52	21.41	21.46
15	1	37		21.42	21.39	21.35
15	1	74		21.54	21.39	21.46
15	36	0		20.20	20.16	20.12
15	36	20		20.17	20.17	20.14
15	36	39		20.26	20.14	20.12
15	75	0		20.16	20.15	20.13
15	1	0	64-QAM	20.45	20.34	20.39
15	1	37		20.26	20.28	20.25
15	1	74		20.38	20.30	20.36
15	36	0		19.21	19.13	19.15
15	36	20		19.19	19.18	19.17
15	36	39		19.28	19.19	19.16
15	75	0		19.16	19.14	19.12



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.14	22.05	22.07
10	1	25		22.08	22.08	22.09
10	1	49		22.19	22.10	22.11
10	25	0		21.15	21.09	21.10
10	25	12		21.15	21.11	21.11
10	25	25		21.11	21.09	21.13
10	50	0		21.11	21.06	21.09
10	1	0	16-QAM	21.43	21.39	21.35
10	1	25		21.33	21.36	21.38
10	1	49		21.46	21.41	21.41
10	25	0		20.15	20.10	20.11
10	25	12		20.17	20.14	20.14
10	25	25		20.12	20.10	20.12
10	50	0		20.16	20.12	20.13
10	1	0	64-QAM	20.34	20.27	20.31
10	1	25		20.30	20.25	20.27
10	1	49		20.37	20.33	20.33
10	25	0		19.16	19.10	19.12
10	25	12		19.20	19.15	19.14
10	25	25		19.14	19.11	19.12
10	50	0		19.17	19.12	19.11
5	1	0	QPSK	22.11	22.02	22.18
5	1	12		22.12	22.05	22.19
5	1	24		22.06	22.05	22.18
5	12	0		21.15	21.08	21.22
5	12	7		21.15	21.12	21.25
5	12	13		21.12	21.08	21.23
5	25	0		21.12	21.06	21.21
5	1	0	16-QAM	21.41	21.33	21.47
5	1	12		21.44	21.40	21.49
5	1	24		21.35	21.39	21.49
5	12	0		20.20	20.12	20.25
5	12	7		20.19	20.15	20.27
5	12	13		20.18	20.11	20.24
5	25	0		20.16	20.09	20.23
5	1	0	64-QAM	20.32	20.25	20.39
5	1	12		20.31	20.25	20.42
5	1	24		20.30	20.24	20.38
5	12	0		19.21	19.12	19.28
5	12	7		19.24	19.19	19.33
5	12	13		19.20	19.15	19.29
5	25	0		19.17	19.12	19.26



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.09	23.17	23.08
10	1	25		23.01	23.05	23.04
10	1	49		23.06	23.16	22.99
10	25	0		22.17	22.21	22.11
10	25	12		22.11	22.16	22.08
10	25	25		22.07	22.18	22.08
10	50	0		22.17	22.19	22.10
10	1	0	16-QAM	22.34	22.23	22.22
10	1	25		22.26	22.32	22.27
10	1	49		22.32	22.39	22.27
10	25	0		21.22	21.02	21.01
10	25	12		21.13	21.14	21.11
10	25	25		21.03	21.19	21.09
10	50	0		21.21	21.11	21.13
10	1	0	64-QAM	21.35	21.23	21.19
10	1	25		21.25	21.28	21.26
10	1	49		21.33	21.39	21.20
10	25	0		20.22	20.08	20.00
10	25	12		20.12	20.16	20.14
10	25	25		20.05	20.21	20.08
10	50	0		20.22	20.15	20.09
5	1	0	QPSK	23.13	22.95	23.11
5	1	12		23.13	22.99	23.03
5	1	24		23.00	23.14	23.06
5	12	0		22.19	22.10	22.17
5	12	7		22.22	22.13	22.18
5	12	13		22.08	22.08	22.13
5	25	0		22.17	22.12	22.16
5	1	0	16-QAM	22.32	22.25	22.37
5	1	12		22.34	22.27	22.36
5	1	24		22.26	22.44	22.36
5	12	0		21.26	21.12	21.22
5	12	7		21.27	21.16	21.18
5	12	13		21.07	21.09	21.11
5	25	0		21.22	21.09	21.17
5	1	0	64-QAM	21.41	21.18	21.37
5	1	12		21.33	21.31	21.33
5	1	24		21.26	21.40	21.34
5	12	0		20.26	20.18	20.22
5	12	7		20.28	20.20	20.24
5	12	13		20.13	20.18	20.21
5	25	0		20.24	20.14	20.18



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.13	22.96	23.08
3	1	8		23.10	23.04	23.07
3	1	14		23.13	23.05	23.07
3	8	0		22.19	22.10	22.23
3	8	4		22.20	22.14	22.23
3	8	7		22.16	22.09	22.24
3	15	0		22.18	22.08	22.20
3	1	0	16-QAM	22.34	22.19	22.36
3	1	8		22.31	22.30	22.39
3	1	14		22.31	22.29	22.42
3	8	0		21.27	21.17	21.27
3	8	4		21.28	21.20	21.29
3	8	7		21.22	21.15	21.26
3	15	0		21.25	21.12	21.23
3	1	0	64-QAM	21.33	21.20	21.38
3	1	8		21.34	21.23	21.40
3	1	14		21.32	21.28	21.40
3	8	0		20.25	20.14	20.24
3	8	4		20.24	20.18	20.27
3	8	7		20.21	20.14	20.25
3	15	0		20.18	20.12	20.28
1.4	1	0	QPSK	23.05	22.94	22.96
1.4	1	3		23.01	23.01	23.01
1.4	1	5		23.01	22.93	22.93
1.4	3	0		23.14	22.99	22.98
1.4	3	1		23.10	23.05	23.04
1.4	3	3		23.11	22.99	23.01
1.4	6	0		22.09	22.02	22.01
1.4	1	0	16-QAM	22.25	22.20	22.26
1.4	1	3		22.27	22.28	22.33
1.4	1	5		22.24	22.21	22.25
1.4	3	0		22.09	22.03	22.05
1.4	3	1		22.17	22.10	22.11
1.4	3	3		22.12	22.01	22.04
1.4	6	0		21.19	21.08	21.12
1.4	1	0	64-QAM	21.34	21.21	21.22
1.4	1	3		21.31	21.20	21.26
1.4	1	5		21.29	21.17	21.15
1.4	3	0		21.22	21.13	21.17
1.4	3	1		21.30	21.18	21.23
1.4	3	3		21.22	21.16	21.18
1.4	6	0		20.15	20.04	20.02



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		-	
10	1	25			-	
10	1	49			-	
10	25	0			-	
10	25	12			-	
10	25	25			-	
10	50	0			-	
10	1	0	16-QAM		-	
10	1	25			-	
10	1	49			-	
10	25	0			-	
10	25	12			-	
10	25	25			-	
10	50	0			-	
10	1	0	64-QAM		-	
10	1	25			-	
10	1	49			-	
10	25	0			-	
10	25	12			-	
10	25	25			-	
10	50	0			-	
5	1	0	QPSK	23.08	23.15	23.11
5	1	12		23.12	23.09	23.07
5	1	24		23.12	23.10	23.09
5	12	0		22.13	22.18	22.13
5	12	7		22.20	22.16	22.25
5	12	13		22.18	22.09	22.22
5	25	0		22.15	22.17	22.27
5	1	0	16-QAM	22.35	22.47	22.43
5	1	12		22.44	22.42	22.49
5	1	24		22.42	22.49	22.46
5	12	0		21.16	21.19	21.15
5	12	7		21.27	21.18	21.24
5	12	13		21.19	21.09	21.19
5	25	0		21.20	21.18	21.22
5	1	0	64-QAM	21.33	21.38	21.35
5	1	12		21.39	21.34	21.43
5	1	24		21.33	21.44	21.41
5	12	0		20.21	20.25	20.25
5	12	7		20.28	20.25	20.37
5	12	13		20.25	20.26	20.29
5	25	0		20.20	20.21	20.25



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.12	23.20	23.14
15	1	37		23.07	23.19	22.98
15	1	74		23.17	23.09	22.97
15	36	0		22.18	22.30	22.15
15	36	20		22.14	22.26	22.14
15	36	39		22.13	22.15	21.96
15	75	0		22.09	22.21	22.12
15	1	0	16-QAM	22.41	22.44	22.46
15	1	37		22.37	22.49	22.30
15	1	74		22.51	22.43	22.33
15	36	0		21.14	21.27	21.17
15	36	20		21.14	21.26	21.17
15	36	39		21.18	21.20	20.96
15	75	0		21.10	21.20	21.10
15	1	0	64-QAM	21.39	21.35	21.40
15	1	37		21.34	21.34	21.19
15	1	74		21.44	21.25	21.24
15	36	0		20.16	20.27	20.16
15	36	20		20.21	20.27	20.19
15	36	39		20.18	20.20	19.97
15	75	0		20.14	20.22	20.12
10	1	0	QPSK	23.02	23.11	23.17
10	1	25		23.06	23.13	23.10
10	1	49		23.03	23.11	23.08
10	25	0		22.23	22.23	22.20
10	25	12		22.22	22.22	22.08
10	25	25		22.18	22.18	22.16
10	50	0		22.20	22.18	22.19
10	1	0	16-QAM	22.53	22.38	22.49
10	1	25		22.44	22.44	22.37
10	1	49		22.56	22.40	22.36
10	25	0		21.22	21.21	21.18
10	25	12		21.23	21.20	21.11
10	25	25		21.17	21.18	21.15
10	50	0		21.23	21.21	21.18
10	1	0	64-QAM	21.42	21.30	21.40
10	1	25		21.37	21.32	21.37
10	1	49		21.43	21.28	21.31
10	25	0		20.23	20.22	20.22
10	25	12		20.24	20.23	20.11
10	25	25		20.21	20.16	20.14
10	50	0		20.22	20.21	20.21



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.00	23.17	23.00
5	1	12		22.95	23.12	22.88
5	1	24		22.98	23.14	22.97
5	12	0		22.00	22.22	22.05
5	12	7		22.04	22.22	21.95
5	12	13		22.00	22.15	22.01
5	25	0		22.00	22.18	22.06
5	1	0	16-QAM	22.30	22.46	22.29
5	1	12		22.30	22.40	22.19
5	1	24		22.27	22.43	22.23
5	12	0		21.02	21.22	21.04
5	12	7		21.05	21.24	20.96
5	12	13		21.01	21.19	21.02
5	25	0		21.01	21.18	21.05
5	1	0	64-QAM	21.26	21.45	21.28
5	1	12		21.23	21.42	21.18
5	1	24		21.21	21.38	21.22
5	12	0		20.09	20.27	20.14
5	12	7		20.10	20.31	20.03
5	12	13		20.09	20.27	20.09
5	25	0		20.05	20.24	20.07
3	1	0	QPSK	23.10	23.16	22.99
3	1	8		23.09	23.10	23.05
3	1	14		23.07	23.12	23.05
3	8	0		22.13	22.14	22.01
3	8	4		22.15	22.17	22.15
3	8	7		22.11	22.14	22.13
3	15	0		22.12	22.15	22.09
3	1	0	16-QAM	22.39	22.40	22.27
3	1	8		22.38	22.43	22.33
3	1	14		22.42	22.37	22.33
3	8	0		21.18	21.24	21.08
3	8	4		21.19	21.23	21.22
3	8	7		21.16	21.22	21.18
3	15	0		21.13	21.21	21.17
3	1	0	64-QAM	21.28	21.35	21.19
3	1	8		21.29	21.33	21.25
3	1	14		21.33	21.33	21.26
3	8	0		20.16	20.22	20.08
3	8	4		20.19	20.25	20.18
3	8	7		20.17	20.17	20.13
3	15	0		20.16	20.19	20.13



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.04	23.06	22.99
1.4	1	3		23.09	23.12	23.04
1.4	1	5		23.02	23.07	22.94
1.4	3	0		23.07	23.09	23.04
1.4	3	1		23.12	23.15	23.12
1.4	3	3		23.07	23.10	23.05
1.4	6	0		22.08	22.08	22.06
1.4	1	0	16-QAM	22.35	22.36	22.30
1.4	1	3		22.43	22.42	22.36
1.4	1	5		22.34	22.39	22.28
1.4	3	0		22.11	22.14	22.07
1.4	3	1		22.15	22.19	22.12
1.4	3	3		22.11	22.12	22.04
1.4	6	0		21.15	21.18	21.11
1.4	1	0	64-QAM	21.24	21.28	21.19
1.4	1	3		21.26	21.31	21.24
1.4	1	5		21.24	21.28	21.22
1.4	3	0		21.21	21.24	21.18
1.4	3	1		21.28	21.29	21.24
1.4	3	3		21.22	21.27	21.18
1.4	6	0		20.10	20.13	20.05



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.26	22.40	22.78
20	1	49		22.04	22.16	22.09
20	1	99		22.02	22.11	22.58
20	50	0		21.21	21.24	21.30
20	50	24		21.16	21.20	21.14
20	50	50		21.10	21.11	21.16
20	100	0		21.17	21.20	21.26
20	1	0	16-QAM	21.44	21.59	22.73
20	1	49		21.23	21.26	21.22
20	1	99		21.20	21.32	22.72
20	50	0		20.25	20.34	20.32
20	50	24		20.18	20.25	20.20
20	50	50		20.13	20.22	20.21
20	100	0		20.13	20.22	20.30
20	1	0	64-QAM	20.10	20.11	21.50
20	1	49		19.80	19.87	19.88
20	1	99		19.84	19.92	21.48
20	50	0		19.21	19.26	19.36
20	50	24		19.16	19.23	19.19
20	50	50		19.09	19.18	19.22
20	100	0		19.26	19.26	19.32
15	1	0	QPSK	22.30	22.32	22.28
15	1	37		22.09	22.21	22.11
15	1	74		22.11	22.21	22.06
15	36	0		21.18	21.24	21.26
15	36	20		21.17	21.24	21.19
15	36	39		21.10	21.19	21.18
15	75	0		21.15	21.22	21.23
15	1	0	16-QAM	21.36	21.40	21.44
15	1	37		21.25	21.41	21.20
15	1	74		21.06	21.42	21.24
15	36	0		20.22	20.24	20.22
15	36	20		20.14	20.19	20.19
15	36	39		20.09	20.13	20.12
15	75	0		20.15	20.23	20.24
15	1	0	64-QAM	20.07	20.17	20.07
15	1	37		19.84	19.96	19.98
15	1	74		19.87	20.02	19.99
15	36	0		19.16	19.21	19.25
15	36	20		19.12	19.19	19.20
15	36	39		19.07	19.16	19.21
15	75	0		19.19	19.24	19.23



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.15	22.30	22.69
10	1	25		22.09	22.16	22.08
10	1	49		22.05	22.21	22.67
10	25	0		21.12	21.28	21.30
10	25	12		21.17	21.22	21.11
10	25	25		21.12	21.25	21.25
10	50	0		21.12	21.22	21.25
10	1	0	16-QAM	21.35	21.35	21.86
10	1	25		21.27	21.34	21.23
10	1	49		21.14	21.27	21.65
10	25	0		20.19	20.27	20.35
10	25	12		20.17	20.25	20.15
10	25	25		20.07	20.20	20.27
10	50	0		20.22	20.27	20.31
10	1	0	64-QAM	20.11	20.01	20.63
10	1	25		19.90	19.88	19.91
10	1	49		19.83	20.00	20.49
10	25	0		19.21	19.28	19.39
10	25	12		19.19	19.32	19.20
10	25	25		19.13	19.20	19.27
10	50	0		19.17	19.24	19.29
5	1	0	QPSK	22.05	22.21	22.10
5	1	12		22.06	22.21	22.09
5	1	24		21.98	22.15	21.96
5	12	0		21.13	21.21	21.06
5	12	7		21.14	21.22	21.03
5	12	13		21.10	21.23	21.02
5	25	0		21.08	21.23	21.05
5	1	0	16-QAM	21.30	21.34	21.21
5	1	12		21.24	21.39	21.19
5	1	24		21.11	21.38	21.13
5	12	0		20.16	20.25	20.08
5	12	7		20.21	20.26	20.12
5	12	13		20.13	20.25	20.07
5	25	0		20.15	20.23	20.13
5	1	0	64-QAM	19.92	19.83	19.88
5	1	12		19.93	19.99	19.97
5	1	24		19.87	19.92	19.93
5	12	0		19.16	19.23	19.09
5	12	7		19.13	19.26	19.11
5	12	13		19.14	19.23	19.11
5	25	0		19.15	19.27	19.13



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.24	23.37	23.21
20	1	49		23.17	23.06	22.93
20	1	99		23.11	23.08	23.05
20	50	0		22.18	22.26	22.18
20	50	24		22.17	22.12	22.04
20	50	50		22.13	22.11	22.01
20	100	0		22.19	22.23	22.14
20	1	0	16-QAM	22.53	22.64	22.51
20	1	49		22.45	22.33	22.21
20	1	99		22.40	22.41	22.33
20	50	0		21.34	21.19	21.20
20	50	24		21.29	21.15	21.04
20	50	50		21.11	21.13	20.98
20	100	0		21.28	21.15	21.13
20	1	0	64-QAM	21.48	21.55	21.42
20	1	49		21.37	21.26	21.12
20	1	99		21.30	21.29	21.27
20	50	0		20.35	20.21	20.23
20	50	24		20.29	20.16	20.06
20	50	50		20.18	20.14	20.03
20	100	0		20.33	20.16	20.18
15	1	0	QPSK	23.28	23.21	23.21
15	1	37		23.19	23.06	22.96
15	1	74		23.17	23.11	23.08
15	36	0		22.32	22.17	22.11
15	36	20		22.28	22.15	22.01
15	36	39		22.27	22.08	22.01
15	75	0		22.26	22.17	22.05
15	1	0	16-QAM	22.56	22.53	22.51
15	1	37		22.47	22.37	22.24
15	1	74		22.44	22.44	22.36
15	36	0		21.32	21.20	21.07
15	36	20		21.28	21.17	21.07
15	36	39		21.27	21.10	20.99
15	75	0		21.29	21.18	21.03
15	1	0	64-QAM	21.45	21.41	21.40
15	1	37		21.36	21.27	21.13
15	1	74		21.30	21.29	21.28
15	36	0		20.34	20.24	20.11
15	36	20		20.29	20.19	20.05
15	36	39		20.27	20.15	20.05
15	75	0		20.30	20.19	20.06



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.18	23.14	23.06
10	1	25		23.14	23.05	22.95
10	1	49		23.14	23.05	23.03
10	25	0		22.13	22.11	22.03
10	25	12		22.20	22.08	22.02
10	25	25		22.21	22.06	22.11
10	50	0		22.24	22.08	22.02
10	1	0	16-QAM	22.42	22.40	22.37
10	1	25		22.43	22.31	22.22
10	1	49		22.44	22.35	22.35
10	25	0		21.12	21.12	21.03
10	25	12		21.23	21.11	21.02
10	25	25		21.19	21.08	21.09
10	50	0		21.26	21.10	21.01
10	1	0	64-QAM	21.37	21.32	21.23
10	1	25		21.40	21.26	21.17
10	1	49		21.38	21.23	21.23
10	25	0		20.16	20.15	20.05
10	25	12		20.26	20.13	20.03
10	25	25		20.20	20.12	20.13
10	50	0		20.26	20.12	20.04
5	1	0	QPSK	23.13	23.09	23.04
5	1	12		23.06	23.04	23.05
5	1	24		23.15	23.05	23.07
5	12	0		22.12	22.10	22.02
5	12	7		22.13	22.13	22.13
5	12	13		22.20	22.10	22.08
5	25	0		22.06	22.08	22.11
5	1	0	16-QAM	22.43	22.40	22.29
5	1	12		22.38	22.36	22.34
5	1	24		22.48	22.36	22.34
5	12	0		21.14	21.10	21.05
5	12	7		21.15	21.15	21.12
5	12	13		21.19	21.10	21.12
5	25	0		21.08	21.10	21.12
5	1	0	64-QAM	21.38	21.36	21.26
5	1	12		21.32	21.31	21.29
5	1	24		21.39	21.29	21.28
5	12	0		20.21	20.17	20.09
5	12	7		20.21	20.20	20.23
5	12	13		20.28	20.16	20.19
5	25	0		20.14	20.13	20.14



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.07	23.09	23.05
3	1	8		23.06	23.07	23.05
3	1	14		23.05	23.03	23.03
3	8	0		22.05	22.09	22.10
3	8	4		22.10	22.12	22.13
3	8	7		22.06	22.07	22.10
3	15	0		22.09	22.09	22.08
3	1	0	16-QAM	22.34	22.35	22.33
3	1	8		22.38	22.34	22.35
3	1	14		22.35	22.36	22.30
3	8	0		21.15	21.16	21.15
3	8	4		21.18	21.18	21.16
3	8	7		21.10	21.13	21.12
3	15	0		21.09	21.12	21.09
3	1	0	64-QAM	21.25	21.25	21.24
3	1	8		21.26	21.25	21.23
3	1	14		21.23	21.23	21.24
3	8	0		20.14	20.15	20.15
3	8	4		20.15	20.17	20.18
3	8	7		20.13	20.13	20.15
3	15	0		20.11	20.10	20.12
1.4	1	0	QPSK	23.02	23.00	23.02
1.4	1	3		23.08	23.06	23.06
1.4	1	5		22.98	22.95	22.98
1.4	3	0		23.04	23.03	23.03
1.4	3	1		23.10	23.11	23.10
1.4	3	3		23.05	23.05	23.05
1.4	6	0		22.02	22.01	22.04
1.4	1	0	16-QAM	22.31	22.28	22.29
1.4	1	3		22.37	22.36	22.35
1.4	1	5		22.28	22.28	22.29
1.4	3	0		22.05	22.03	22.07
1.4	3	1		22.11	22.12	22.11
1.4	3	3		22.07	22.04	22.07
1.4	6	0		21.08	21.09	21.09
1.4	1	0	64-QAM	21.19	21.17	21.19
1.4	1	3		21.24	21.21	21.23
1.4	1	5		21.15	21.13	21.14
1.4	3	0		21.21	21.20	21.19
1.4	3	1		21.24	21.25	21.24
1.4	3	3		21.19	21.19	21.16
1.4	6	0		20.03	20.03	20.06



LTE Band 7_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	0	0	1	99	QPSK	22.24	22.32	22.30
20+20	1	0	0	0		22.33	22.39	22.30
20+20	100	0	0	0		21.29	21.34	21.22
20+20	100	0	100	0		21.15	21.17	21.23
20+20	1	0	1	99		14.57	14.59	14.66
20+20	1	0	1	0		18.61	18.59	18.54
20+20	1	99	1	0		23.05	23.04	23.01
20+20	100	0	1	99		19.54	19.49	19.49
20+20	0	0	1	99	16-QAM	21.79	21.74	21.84
20+20	1	0	0	0		21.82	21.82	21.90
20+20	100	0	0	0		20.20	20.27	20.25
20+20	100	0	100	0		19.98	19.99	20.07
20+20	1	0	1	99		14.88	14.84	14.98
20+20	1	0	1	0		18.99	18.89	19.03
20+20	1	99	1	0		22.30	22.20	22.30
20+20	100	0	1	99		19.53	19.59	19.60
20+20	0	0	1	99	64-QAM	20.51	20.45	20.46
20+20	1	0	0	0		20.55	20.48	20.40
20+20	100	0	0	0		21.26	21.26	21.17
20+20	100	0	100	0		21.18	21.17	21.08
20+20	1	0	1	99		14.61	14.59	14.50
20+20	1	0	1	0		18.72	18.70	18.56
20+20	1	99	1	0		21.42	21.41	21.26
20+20	100	0	1	99		17.69	17.62	17.67
20+15	100	0	75	0	QPSK	21.25	21.33	21.31
20+15	1	0	1	74		14.59	14.55	14.51
20+15	1	99	1	0		23.15	23.08	23.20
20+15	100	0	75	0	16-QAM	20.23	20.24	20.16
20+15	1	0	1	74		15.17	15.18	15.27
20+15	1	99	1	0		22.57	22.64	22.51
20+15	100	0	75	0	64-QAM	20.51	20.42	20.38
20+15	1	0	1	74		14.33	14.32	14.21
20+15	1	99	1	0		20.62	20.61	20.57
15+20	75	0	100	0	QPSK	21.35	21.20	21.35
15+20	1	0	1	99		14.63	14.53	14.62
15+20	1	74	1	0		23.07	23.24	23.18
15+20	75	0	100	0	16-QAM	20.15	20.22	20.28
15+20	1	0	1	99		15.21	15.21	15.14
15+20	1	74	1	0		22.48	22.56	22.63
15+20	75	0	100	0	64-QAM	20.58	20.53	20.52
15+20	1	0	1	99		14.66	14.59	14.51
15+20	1	74	1	0		20.47	20.46	20.33



LTE Band 7_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+10	100	0	75	0	QPSK	21.17	21.16	21.29
20+10	1	0	1	74		14.56	14.55	14.54
20+10	1	99	1	0		23.12	23.24	23.25
20+10	100	0	75	0	16-QAM	20.31	20.20	20.17
20+10	1	0	1	74		15.24	15.12	15.21
20+10	1	99	1	0		22.51	22.49	22.59
20+10	100	0	75	0	64-QAM	20.54	20.47	20.46
20+10	1	0	1	74		14.65	14.61	14.55
20+10	1	99	1	0		20.37	20.35	20.23
10+20	75	0	100	0	QPSK	21.21	21.28	21.18
10+20	1	0	1	99		14.63	14.49	14.68
10+20	1	74	1	0		23.16	23.14	23.23
10+20	75	0	100	0	16-QAM	20.17	20.31	20.30
10+20	1	0	1	99		15.15	15.10	15.22
10+20	1	74	1	0		22.59	22.56	22.53
10+20	75	0	100	0	64-QAM	20.26	20.17	20.07
10+20	1	0	1	99		14.44	14.41	14.31
10+20	1	74	1	0		20.32	20.24	20.14
15+15	75	0	100	0	QPSK	21.20	21.19	21.23
15+15	1	0	1	99		14.61	14.56	14.65
15+15	1	74	1	0		23.22	23.19	23.14
15+15	75	0	100	0	16-QAM	20.28	20.17	20.23
15+15	1	0	1	99		15.08	15.26	15.23
15+15	1	74	1	0		22.60	22.67	22.48
15+15	75	0	100	0	64-QAM	20.28	20.21	20.11
15+15	1	0	1	99		14.55	14.46	14.47
15+15	1	74	1	0		20.31	20.21	20.17
15+10	75	0	100	0	QPSK	21.27	21.34	21.15
15+10	1	0	1	99		14.55	14.56	14.69
15+10	1	74	1	0		23.18	23.09	23.22
15+10	75	0	100	0	16-QAM	20.13	20.32	20.27
15+10	1	0	1	99		15.12	15.22	15.10
15+10	1	74	1	0		22.65	22.59	22.51
15+10	75	0	100	0	64-QAM	20.06	19.96	20.01
15+10	1	0	1	99		14.45	14.44	14.39
15+10	1	74	1	0		20.14	20.07	20.09



LTE Band 41_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+20	0	0	1	99	QPSK	22.24	22.39	22.19
20+20	1	0	0	0		22.43	22.44	22.31
20+20	100	0	0	0		21.55	21.49	21.48
20+20	100	0	100	0		21.37	21.30	21.39
20+20	1	0	1	99		14.67	14.62	14.65
20+20	1	0	1	0		18.82	18.90	18.89
20+20	1	99	1	0		23.47	23.45	23.48
20+20	100	0	1	99		19.72	19.77	19.75
20+20	0	0	1	99	16-QAM	21.55	21.59	21.50
20+20	1	0	0	0		21.58	21.46	21.53
20+20	100	0	0	0		20.60	20.50	20.52
20+20	100	0	100	0		20.43	20.44	20.37
20+20	1	0	1	99		14.97	15.10	15.08
20+20	1	0	1	0		19.06	18.95	19.12
20+20	1	99	1	0		22.21	22.19	22.27
20+20	100	0	1	99		19.81	19.95	19.89
20+20	0	0	1	99	64-QAM	20.17	20.15	20.11
20+20	1	0	0	0		20.33	20.32	20.22
20+20	100	0	0	0		21.44	21.44	21.41
20+20	100	0	100	0		21.41	21.35	21.30
20+20	1	0	1	99		14.57	14.48	14.42
20+20	1	0	1	0		18.74	18.73	18.70
20+20	1	99	1	0		19.51	19.43	19.39
20+20	100	0	1	99		18.97	18.93	18.83
20+15	100	0	75	0	QPSK	21.21	21.26	21.16
20+15	1	0	1	74		14.63	14.65	14.65
20+15	1	99	1	0		23.31	23.36	23.23
20+15	100	0	75	0	16-QAM	20.34	20.32	20.29
20+15	1	0	1	74		15.00	14.94	15.10
20+15	1	99	1	0		22.37	22.36	22.29
20+15	100	0	75	0	64-QAM	20.23	20.18	20.17
20+15	1	0	1	74		14.63	14.62	14.55
20+15	1	99	1	0		20.32	20.30	20.27
15+20	75	0	100	0	QPSK	21.11	21.28	21.26
15+20	1	0	1	99		14.70	14.66	14.68
15+20	1	74	1	0		23.36	23.29	23.26
15+20	75	0	100	0	16-QAM	20.42	20.22	20.25
15+20	1	0	1	99		14.96	14.85	15.14
15+20	1	74	1	0		22.36	22.38	22.19
15+20	75	0	100	0	64-QAM	20.18	20.20	20.10
15+20	1	0	1	99		14.75	14.65	14.56
15+20	1	74	1	0		20.18	20.09	20.04



LTE Band 41_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
20+10	100	0	50	0	QPSK	21.28	21.36	21.19
20+10	1	0	1	49		14.72	14.75	14.61
20+10	1	99	1	0		23.25	23.27	23.13
20+10	100	0	50	0	16-QAM	20.31	20.38	20.30
20+10	1	0	1	49		15.03	14.99	15.15
20+10	1	99	1	0		22.32	22.35	22.36
20+10	100	0	50	0	64-QAM	20.34	20.26	20.25
20+10	1	0	1	49		14.65	14.56	14.52
20+10	1	99	1	0		20.29	20.28	20.18
10+20	50	0	100	0	QPSK	21.21	21.24	21.07
10+20	1	0	1	99		14.56	14.57	14.75
10+20	1	49	1	0		23.31	23.31	23.15
10+20	50	0	100	0	16-QAM	20.28	20.31	20.33
10+20	1	0	1	99		15.07	15.00	15.18
10+20	1	49	1	0		22.30	22.36	22.36
10+20	50	0	100	0	64-QAM	20.30	20.30	20.25
10+20	1	0	1	99		14.59	14.53	14.45
10+20	1	49	1	0		20.21	20.18	20.16
20+5	100	0	25	0	QPSK	21.18	21.31	21.18
20+5	1	0	1	24		14.54	14.64	14.56
20+5	1	99	1	0		23.22	23.26	23.21
20+5	100	0	25	0	16-QAM	20.24	20.34	20.35
20+5	1	0	1	24		15.08	14.93	15.00
20+5	1	99	1	0		22.34	22.46	22.20
20+5	100	0	25	0	64-QAM	20.21	20.11	20.15
20+5	1	0	1	24		14.60	14.52	14.43
20+5	1	99	1	0		20.15	20.22	20.08
5+20	25	0	100	0	QPSK	21.20	21.19	21.10
5+20	1	0	1	99		14.68	14.70	14.68
5+20	1	24	1	0		23.35	23.39	23.32
5+20	25	0	100	0	16-QAM	20.38	20.23	20.31
5+20	1	0	1	99		14.98	15.03	15.00
5+20	1	24	1	0		22.32	22.28	22.20
5+20	25	0	100	0	64-QAM	20.31	20.28	20.24
5+20	1	0	1	99		14.51	14.46	14.38
5+20	1	24	1	0		20.25	20.23	20.15



LTE Band 41_CA Maximum Average Power [dBm]								
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest
	RB Size	RB Offset	RB Size	RB Offset				
15+10	75	0	50	0	QPSK	21.12	21.19	21.14
15+10	1	0	1	49		14.61	14.75	14.61
15+10	1	74	1	0		23.35	23.45	23.19
15+10	75	0	50	0	16-QAM	20.44	20.22	20.30
15+10	1	0	1	49		14.97	15.04	15.13
15+10	1	74	1	0		22.34	22.38	22.38
15+10	75	0	50	0	64-QAM	20.25	20.19	20.09
15+10	1	0	1	49		14.54	14.54	14.54
15+10	1	74	1	0		20.25	20.19	20.09
10+15	50	0	75	0	QPSK	21.24	21.20	21.15
10+15	1	49	1	0		14.63	14.64	14.68
10+15	1	0	1	74		23.33	23.31	23.32
10+15	50	0	75	0	16-QAM	20.42	20.36	20.28
10+15	1	49	1	0		14.93	14.96	15.14
10+15	1	0	1	74		22.31	22.32	22.32
10+15	50	0	75	0	64-QAM	20.25	20.20	20.14
10+15	1	49	1	0		14.67	14.59	14.52
10+15	1	0	1	74		20.26	20.21	20.16
15+15	75	0	75	0	QPSK	21.13	21.32	21.20
15+15	1	0	1	74		14.72	14.58	14.66
15+15	1	74	1	0		23.29	23.29	23.18
15+15	75	0	75	0	16-QAM	20.33	20.39	20.36
15+15	1	0	1	74		14.93	14.89	15.11
15+15	1	74	1	0		22.40	22.31	22.23
15+15	75	0	75	0	64-QAM	20.25	20.17	20.09
15+15	1	0	1	74		14.51	14.51	14.47
15+15	1	74	1	0		20.28	20.25	20.15



Appendix B. Test Result of Radiated Test

Radiated Spurious Emission

LTE Band 7_CA

LTE Band 7 / 20+10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5124	-47.59	-25	-22.59	-68.76	-58.92	1.51	12.85	H
	7680	-48.19	-25	-23.19	-74.14	-56.78	2.62	11.21	H
	10236	-42.06	-25	-17.06	-73.26	-50.02	3.15	11.11	H
									H
									H
									H
									H
	5124	-46.23	-25	-21.23	-67.77	-57.56	1.51	12.85	V
	7680	-43.77	-25	-18.77	-70.16	-52.36	2.62	11.21	V
	10236	-42.45	-25	-17.45	-73.52	-50.41	3.15	11.11	V
									V
									V
									V
									V

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