

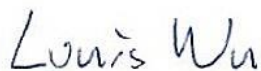


FCC RADIO TEST REPORT

FCC ID : RI7FN990A40
Equipment : 5G NR Module
Brand Name : 
Model Name : FN990A40
Marketing Name : FN990A40
Applicant : Telit Communications S.p.A.
Viale Stazione di Prosecco 5/b, Trieste 34010, Italy
Manufacturer : Telit Communications S.p.A.
Viale Stazione di Prosecco 5/b, Trieste 34010, Italy
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Jul. 19, 2022 and testing was performed from Jul. 29, 2022 to Dec. 03, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG270608B	01	Initial issue of report	Dec. 15, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.7	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	17.42 dB under the limit at 10192.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Avis Chuang

Report Producer: Rachel Hsieh



1 General Description

1.1 Product Feature of Equipment Under Test

WCDMA/LTE/5G NR, and GNSS

Product Feature	
Antenna Type	WWAN: Monopole Antenna GPS/Glonass/BDS/Galileo/SBAS: Monopole Antenna
Antenna Gain	LTE Band 2: 5.9 dBi LTE Band 4: 5.5 dBi LTE Band 5: 3.5 dBi LTE Band 7: 3.8 dBi LTE Band 12: 3.6 dBi LTE Band 13: 3.9 dBi LTE Band 17: 3.6 dBi LTE Band 25: 5.9 dBi LTE Band 26: 3.5 dBi LTE Band 38: 3.8 dBi LTE Band 41: 3.8 dBi LTE Band 66: 5.5 dBi LTE Band 71: 2.9 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	TH03-HY (TAF Code: 1190)
Test Engineer	George Chen
Temperature (°C)	22.8~24.5
Relative Humidity (%)	51~58
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH13-HY
Test Engineer	Rain Lee, Jacky Hong and Mancy Chou
Temperature (°C)	20~25
Relative Humidity (%)	50~60

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

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
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 two antenna polarization (Horizontal and Vertical), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-				v	v	v	v	v			v		v	
	12				v	-	-	v	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v	v			v		v	
	17	Covered by Band 12															
	25						v	v	v	v	v			v		v	
	26					v	-	v	v	v	v			v		v	
	38	Covered by Band 41															
	41	-	-				v	v	v	v	v			v		v	
	66						v	v	v	v	v			v		v	
	71	-	-				v	v	v	v	v			v		v	



Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-	v	v	v	v	v	v	v	v			v		v	
	12	v	v	v	v	-	-	v	v	v	v			v		v	
	13	-	-	v	v	-	-	v	v	v	v			v		v	
	17	Covered by Band 12															
	25	v	v	v	v	v	v	v	v	v	v			v		v	
	26	v	v	v	v	v	-	v	v	v	v			v		v	
	38	Covered by Band 41															
	41	-	-	v	v	v	v	v	v	v	v			v		v	
	66	v	v	v	v	v	v	v	v	v	v			v		v	
	71	-	-	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-	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
	13	-	-	v	v	-	-	v	v	v	v	v		v	v		v
	17	Covered by Band 12															
	25	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
	38	Covered by Band 41															
	41	-	-	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
	71	-	-	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	256QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-	v	v	v	v	v				v			v	v	v
	12	v	v	v	v	-	-	v				v			v	v	v
	13	-	-	v	v	-	-	v				v			v	v	v
	17	Covered by Band 12															
	25	v	v	v	v	v	v	v				v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v			v	v	v
	38	Covered by Band 41															
	41	-	-	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
	71	-	-	v	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-		v			v						v		v	
	12				v	-	-	v						v		v	
	13	-	-		v	-	-	v						v		v	
	17	Covered by Band 12															
	25				v			v						v		v	
	26				v		-	v						v		v	
	38	Covered by Band 41															
	41	-	-		v			v						v		v	
	66				v			v						v		v	
	71	-	-		v			v						v		v	



Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	Max. Power					
	4	v	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v	v						
	7	-	-	v	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v	v						
	13	-	-	v	v	-	-	v	v	v	v						
	17	-	-	v	v	-	-	v	v	v	v						
	25	v	v	v	v	v	v	v	v	v	v						
	26	v	v	v	v	v	-	v	v	v	v						
	38	-	-	v	v	v	v	v	v	v	v						
	41	-	-	v	v	v	v	v	v	v	v						
	66	v	v	v	v	v	v	v	v	v	v						
	71	-	-	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	Worst Case													v	v	v
	12	Worst Case													v	v	v
	13	Worst Case													v	v	v
	17	Covered by Band 12															
	25	Worst Case													v	v	v
	26	Worst Case													v	v	v
	38	Covered by Band 41															
	41	Worst Case													v	v	v
	66	Worst Case													v	v	v
	71	Worst Case													v	v	v
Remark	1. The mark "v " means that this configuration is chosen for testing. 2. The mark "- " means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Wider operating range bandwidth covers narrower one when the power is higher or the same. 5. One representative bandwidth is selected to perform PAR and frequency stability.																



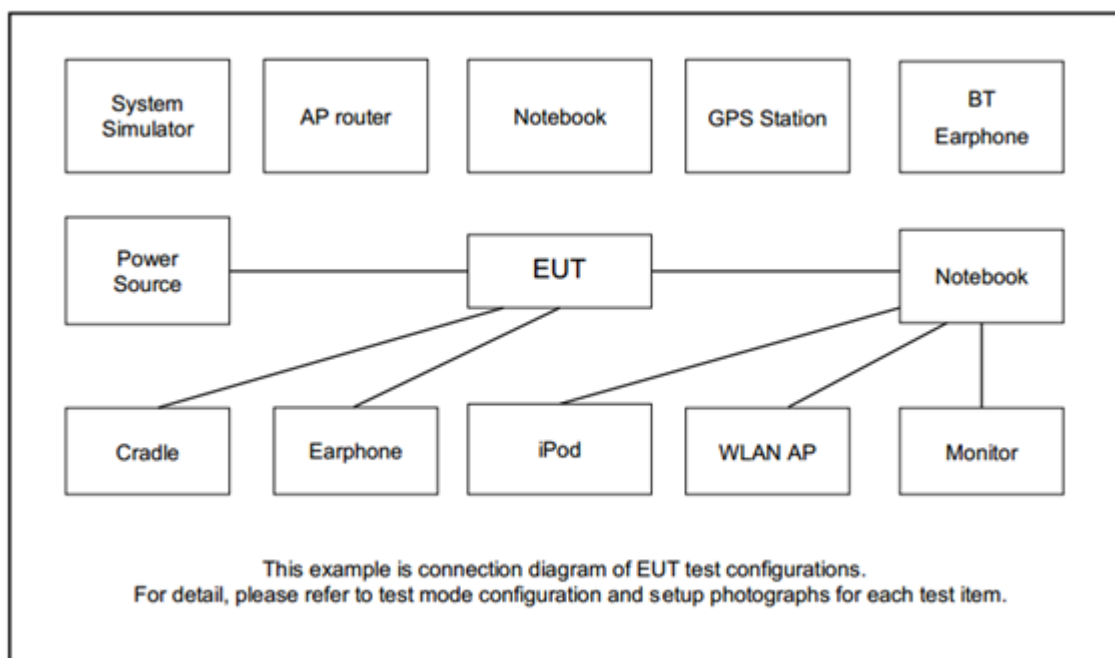
Test Items	Band	Bandwidth (MHz)					Modulation				RB #			Test Channel		
		3+5	5+3	5+10	10+5	10+10	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	5_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	5_CA	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	5_CA	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	5_CA	v	v	v	v	v	v				v			v	v	v
E.R.P.	5_CA	v	v	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	5_CA	Worst Case												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		
		5+5	5+10	10+5	5+15	15+5	10+10	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	66B_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	66B_CA	v	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	66B_CA	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	66B_CA	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P.	66B_CA	v	v	v	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	66B_CA	Worst Case													v	v	v
Remark	1. The mark “v ” means that this configuration is chosen for testing. 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																



Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	2_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v
	38_CA	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	v
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	2_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v		v	
	38_CA	Covered by Band 41_CA																			
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	2_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v		v
	38_CA	Covered by Band 41_CA																			
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	2_CA	v	v	v	v	v	v	v	v	v	v					v			v	v	v
	7_CA	v	v	v	v	v	-	-	v	v	-	v				v			v	v	v
	38_CA	Covered by Band 41_CA																			
	41_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
	66_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P	2_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	Max. Power					
	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v						
	38_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v						
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	2_CA	Worst Case																	v	v	v
	7_CA	Worst Case																	v	v	v
	38_CA	Covered by Band 41_CA																			
	41_CA	Worst Case																	v	v	v
	66_CA	Worst Case																	v	v	v
Remark	1. The mark “v ” means that this configuration is chosen for testing. 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Wider operating range bandwidth covers narrower one when the power is higher or the same.																				

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

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

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



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

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

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



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5
LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5
LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



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

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

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



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

LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133297	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133297	133422
	Frequency	668.0	680.5	693.0
5	Channel	133147	133297	133447
	Frequency	665.5	680.5	695.5



LTE Band 2C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	18653	18829	19005
		Frequency	1855.3	1872.9	1890.5
	SCC	Channel	18773	18949	19100
		Frequency	1867.3	1884.9	1900
15 + 10	PCC	Channel	18675	18851	19027
		Frequency	1857.5	1875.1	1892.7
	SCC	Channel	18795	18971	19147
		Frequency	1869.5	1887.1	1904.7
10 + 20	PCC	Channel	18655	18806	18956
		Frequency	1855.5	1870.6	1885.6
	SCC	Channel	18799	18950	19100
		Frequency	1869.9	1885	1900
20 + 10	PCC	Channel	18700	18551	19001
		Frequency	1860	1875.1	1890.1
	SCC	Channel	18844	18995	19145
		Frequency	1874.4	1889.5	1904.5
15 + 15	PCC	Channel	18675	18825	18975
		Frequency	1857.5	1872.5	1887.5
	SCC	Channel	18825	18975	19125
		Frequency	1872.5	1887.5	1902.5
15 + 20	PCC	Channel	18678	18803	18929
		Frequency	1857.8	1870.3	1882.9
	SCC	Channel	18849	18974	19100
		Frequency	1875.9	1887.4	1900



LTE Band 2C Channel and Frequency List_CA					
20 + 20	PCC	Channel	18700	18801	18902
		Frequency	1860	1870.1	1880.2
	SCC	Channel	18898	18999	19100
		Frequency	1879.8	1889.9	1900
20 + 15	PCC	Channel	18700	18826	18951
		Frequency	1860	1872.6	1885.1
	SCC	Channel	18871	18997	19122
		Frequency	1877.1	1889.7	1902.2
20 + 5	PCC	Channel	18700	18775	19050
		Frequency	1860	1877.5	1895
	SCC	Channel	18817	18992	19167
		Frequency	1871.7	1889.2	1906.7
5 + 20	PCC	Channel	18633	18802	18983
		Frequency	1853.3	1870.8	1888.3
	SCC	Channel	18750	18925	19100
		Frequency	1865	1882.5	19000



LTE Band 5B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20575
		Frequency	829.5	838.0	841.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834.0	839.0	844.0
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829.0	834.0	839.0
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829.0	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844.0



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



LTE Band 38C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
15 + 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610

LTE Band 41C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



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



LTE Band 66B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	133346	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	133347	132622
		Frequency	1720.0	1757.5	1775.0
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715.0	1752.5	1770.0
	SCC	Channel	132094	133369	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713.0	1748.1	1763.2
	SCC	Channel	132095	133346	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	133391	132642
		Frequency	1726.8	1761.9	1777.0
10 + 10	PCC	Channel	132022	132373	135523
		Frequency	1715.0	1750.1	1765.1
	SCC	Channel	132121	133372	132622
		Frequency	1724.9	1760.0	1775.0



LTE Band 66C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	133371	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	133393	132619
		Frequency	1729.5	1761.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	131171	133372	132572
		Frequency	1729.9	1760.0	1770.0
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720.0	1750.1	1760.1
	SCC	Channel	132216	133417	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	133397	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	133396	132572
		Frequency	1734.9	1762.4	1770.0
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720.0	1747.6	1755.1
	SCC	Channel	132243	133419	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720.0	1752.5	1765.0
	SCC	Channel	132189	133414	132639
		Frequency	1731.7	1764.2	1776.7



LTE Band 66C Channel and Frequency List_CA					
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725.0	1757.5	1770.0
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720.0	1745.1	1750.2
	SCC	Channel	132270	133421	132572
		Frequency	1739.8	1764.9	1770.0

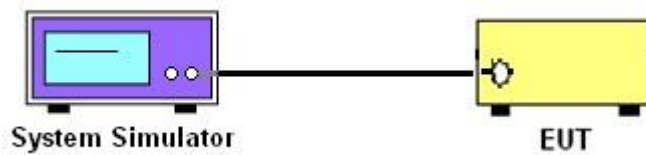
3 Conducted Test Items

3.1 Measuring Instruments

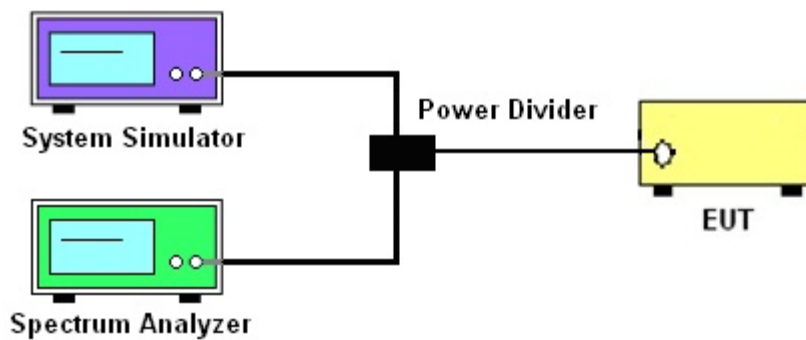
See list of measuring instruments of this test report.

3.1.1 Test Setup

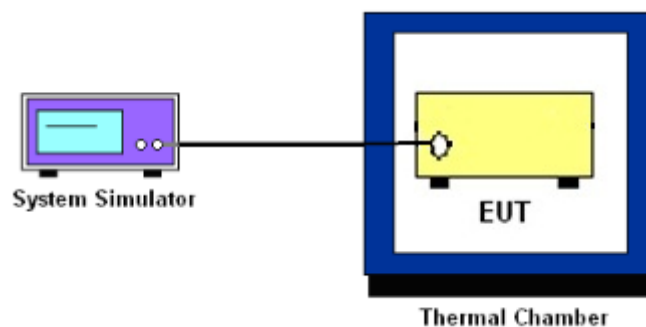
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17 and Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

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

For LTE Band 7, 38, 41

The other 40 dB, and 55 dB have additionally applied same calculation above.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

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



3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

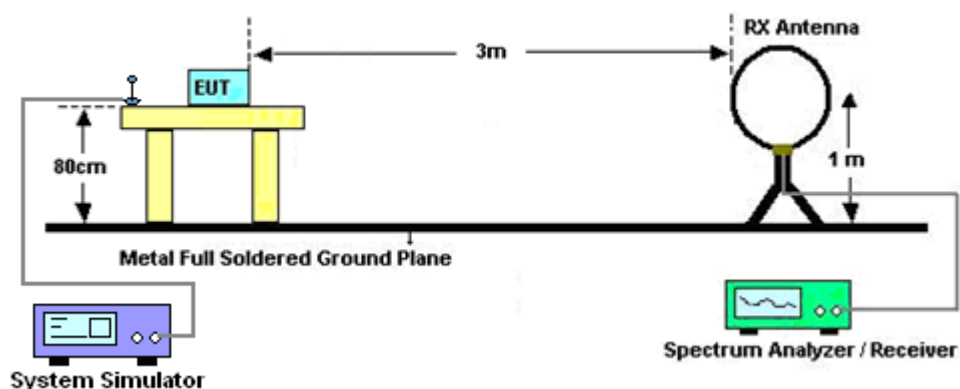
4 Radiated Test Items

4.1 Measuring Instruments

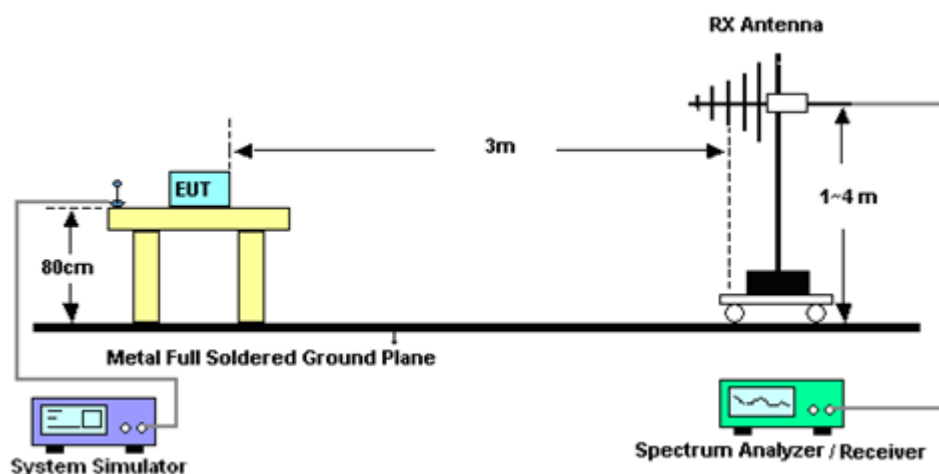
See list of measuring instruments of this test report.

4.1.1 Test Setup

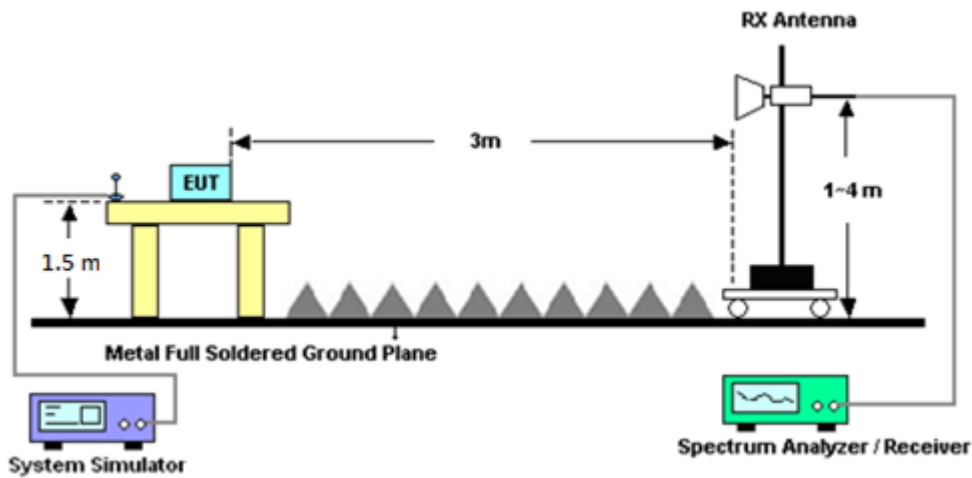
For radiated test below 30MHz



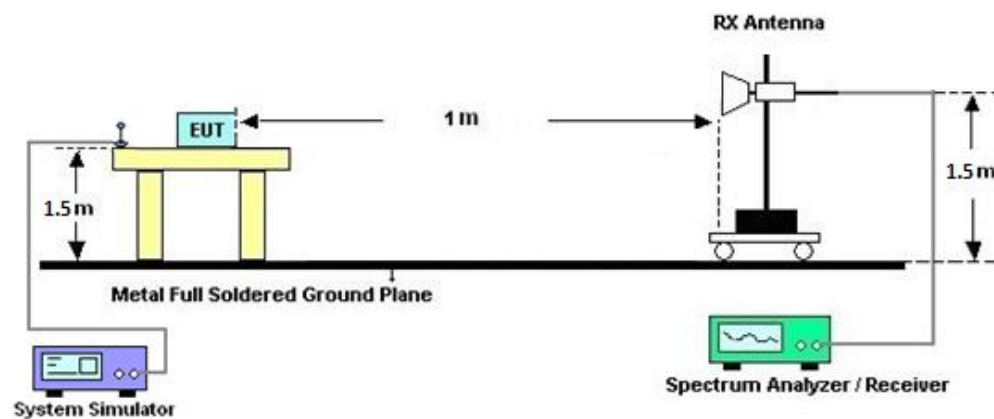
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

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



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 7, 38, 41

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

For LTE Band 13

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

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

4.2.2 Test Procedures

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

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

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

For LTE Band 7, 38, 41

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

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

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Jul. 29, 2022~ Aug. 02, 2022	May 12, 2023	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Jul. 29, 2022~ Aug. 02, 2022	Dec. 23, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 30, 2021	Jul. 29, 2022~ Aug. 02, 2022	Nov. 29, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Jul. 29, 2022~ Aug. 02, 2022	Feb. 20, 2023	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Jul. 29, 2022~ Aug. 02, 2022	May 13, 2023	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 15, 2021	Jul. 29, 2022~ Aug. 02, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Jul. 29, 2022~ Aug. 02, 2022	Apr. 23, 2023	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Jul. 29, 2022~ Aug. 02, 2022	Feb. 05, 2023	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200889	N/A	Sep. 30, 2021	Jul. 29, 2022~ Aug. 02, 2022	Sep. 29, 2022	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-001018 00-30-10P	1590074	1GHz~18GHz	May 17, 2022	Jul. 29, 2022~ Aug. 02, 2022	May 16, 2023	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 26, 2021	Jul. 29, 2022~ Aug. 02, 2022	Oct. 25, 2022	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2022	Jul. 29, 2022~ Aug. 02, 2022	Mar. 17, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 14, 2021	Jul. 29, 2022~ Aug. 02, 2022	Sep. 13, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080-1 200-15000-60SS	SN3	1.2GHz High Pass Filter	Jun. 30, 2022	Jul. 29, 2022~ Aug. 02, 2022	Jun. 29, 2023	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3 000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 12, 2022	Jul. 29, 2022~ Aug. 02, 2022	Jul. 11, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Jul. 29, 2022~ Aug. 02, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Jul. 29, 2022~ Aug. 02, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,80 4012/2	18GHz~40GHz	Jan. 04, 2022	Jul. 29, 2022~ Aug. 02, 2022	Jan. 03, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Jul. 29, 2022~ Aug. 02, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 29, 2022~ Aug. 02, 2022	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 29, 2022~ Aug. 02, 2022	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 29, 2022~ Aug. 02, 2022	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1-18GHz	Aug. 04, 2021	Jul. 29, 2022~ Aug. 02, 2022	Aug. 03, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 10, 2022	Jul. 29, 2022~ Aug. 02, 2022	Mar. 09, 2023	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6262025280	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 29, 2021	Aug. 13, 2022~ Oct. 27, 2022	Oct. 28, 2022	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Oct. 28, 2022~ Dec. 03, 2022	Oct. 12, 2023	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Oct. 01, 2021	Aug. 13, 2022~ Sep. 26, 2022	Sep. 30, 2022	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Sep. 27, 2022	Oct. 28, 2022~ Dec. 03, 2022	Sep. 26, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 09, 2021	Aug. 13, 2022~ Sep. 07, 2022	Sep. 08, 2022	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	Sep. 08, 2022~ Dec. 03, 2022	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V : 0A~6A	Jan. 06, 2022	Aug. 13, 2022~ Dec. 03, 2022	Jan. 05, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 07, 2022	Aug. 13, 2022~ Dec. 03, 2022	Jan. 06, 2023	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% ($U = 2Uc(y)$)	3.40 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.81 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.46 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.97	22.87	22.77	28.87	0.7709
20	1	49		22.75	22.65	22.76		
20	1	99		22.70	22.60	22.71		
20	50	0		21.87	21.77	21.88		
20	50	24		21.86	21.76	21.87		
20	50	50		21.84	21.74	21.85		
20	100	0		21.87	21.77	21.88		
20	1	0	16-QAM	22.08	21.98	22.09	28.23	0.6653
20	1	49		22.32	22.22	22.33		
20	1	99		22.01	21.91	22.02		
20	50	0		20.88	20.78	20.89		
20	50	24		20.87	20.77	20.88		
20	50	50		20.87	20.77	20.88		
20	100	0		20.87	20.77	20.88		
20	1	0	64-QAM	21.02	20.92	21.03	26.93	0.4932
20	1	49		21.01	20.91	21.02		
20	1	99		20.93	20.83	20.94		
20	50	0		19.87	19.77	19.88		
20	50	24		19.85	19.75	19.86		
20	50	50		19.86	19.76	19.87		
20	100	0		19.86	19.76	19.87		
20	1	0	256-QAM	17.64	17.54	17.65	23.61	0.2296
20	1	49		17.67	17.57	17.68		
20	1	99		17.70	17.60	17.71		
20	50	0		17.60	17.50	17.61		
20	50	24		17.52	17.42	17.53		
20	50	50		17.54	17.44	17.55		
20	100	0		17.61	17.51	17.62		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.96	22.71	22.58	28.86	0.7691
15	1	37		22.57	22.65	22.62		
15	1	74		22.50	22.57	22.69		
15	36	0		21.85	21.77	21.82		
15	36	20		21.80	21.68	21.84		
15	36	39		21.74	21.63	21.83		
15	75	0		21.71	21.72	21.81		
15	1	0	16-QAM	22.03	21.94	21.91	28.12	0.6486
15	1	37		22.18	22.19	22.22		
15	1	74		21.94	21.83	22.00		
15	36	0		20.85	20.58	20.83		
15	36	20		20.70	20.65	20.71		
15	36	39		20.85	20.67	20.75		
15	75	0		20.71	20.69	20.76		
15	1	0	64-QAM	20.92	20.73	20.91	26.83	0.4819
15	1	37		20.93	20.90	20.83		
15	1	74		20.87	20.81	20.93		
15	36	0		19.69	19.62	19.68		
15	36	20		19.66	19.63	19.80		
15	36	39		19.84	19.73	19.81		
15	75	0		19.72	19.65	19.80		
15	1	0	256-QAM	17.56	17.40	17.59	23.61	0.2296
15	1	37		17.67	17.45	17.60		
15	1	74		17.55	17.45	17.71		
15	36	0		17.59	17.47	17.60		
15	36	20		17.46	17.26	17.38		
15	36	39		17.41	17.29	17.35		
15	75	0		17.54	17.44	17.55		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.82	22.75	22.65	28.72	0.7447
10	1	25		22.65	22.49	22.74		
10	1	49		22.57	22.42	22.65		
10	25	0		21.84	21.75	21.77		
10	25	12		21.74	21.66	21.73		
10	25	25		21.76	21.74	21.77		
10	50	0		21.84	21.57	21.87		
10	1	0	16-QAM	21.95	21.78	22.06	28.09	0.6442
10	1	25		22.13	22.19	22.17		
10	1	49		21.92	21.76	21.99		
10	25	0		20.70	20.74	20.72		
10	25	12		20.82	20.61	20.76		
10	25	25		20.84	20.76	20.68		
10	50	0		20.84	20.62	20.79		
10	1	0	64-QAM	20.91	20.88	20.99	26.89	0.4887
10	1	25		20.98	20.74	20.91		
10	1	49		20.76	20.76	20.78		
10	25	0		19.75	19.69	19.85		
10	25	12		19.82	19.74	19.77		
10	25	25		19.73	19.69	19.78		
10	50	0		19.80	19.69	19.86		
10	1	0	256-QAM	17.46	17.50	17.51	23.57	0.2275
10	1	25		17.56	17.57	17.58		
10	1	49		17.55	17.41	17.67		
10	25	0		17.47	17.31	17.59		
10	25	12		17.32	17.23	17.46		
10	25	25		17.49	17.24	17.45		
10	50	0		17.53	17.44	17.50		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.86	22.84	22.59	28.76	0.7516
5	1	12		22.75	22.55	22.69		
5	1	24		22.52	22.43	22.59		
5	12	0		21.87	21.68	21.81		
5	12	7		21.74	21.76	21.73		
5	12	13		21.71	21.70	21.84		
5	25	0		21.76	21.75	21.80		
5	1	0	16-QAM	21.99	21.98	22.03	28.23	0.6653
5	1	12		22.24	22.07	22.33		
5	1	24		22.00	21.73	21.90		
5	12	0		20.80	20.70	20.70		
5	12	7		20.87	20.63	20.83		
5	12	13		20.84	20.63	20.73		
5	25	0		20.81	20.65	20.81		
5	1	0	64-QAM	20.95	20.77	20.83	26.92	0.4920
5	1	12		21.01	20.84	21.02		
5	1	24		20.78	20.79	20.89		
5	12	0		19.74	19.71	19.87		
5	12	7		19.76	19.62	19.80		
5	12	13		19.75	19.66	19.71		
5	25	0		19.67	19.71	19.75		
5	1	0	256-QAM	17.49	17.40	17.57	23.55	0.2265
5	1	12		17.50	17.52	17.62		
5	1	24		17.56	17.42	17.65		
5	12	0		17.51	17.49	17.59		
5	12	7		17.48	17.40	17.47		
5	12	13		17.39	17.25	17.51		
5	25	0		17.60	17.36	17.58		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.95	22.71	22.76	28.85	0.7674
3	1	8		22.58	22.55	22.68		
3	1	14		22.54	22.60	22.65		
3	8	0		21.71	21.75	21.77		
3	8	4		21.83	21.56	21.87		
3	8	7		21.78	21.64	21.71		
3	15	0		21.78	21.69	21.82		
3	1	0	16-QAM	22.05	21.78	22.06	28.23	0.6653
3	1	8		22.27	22.04	22.33		
3	1	14		21.98	21.74	21.98		
3	8	0		20.68	20.59	20.74		
3	8	4		20.73	20.58	20.74		
3	8	7		20.85	20.69	20.83		
3	15	0		20.85	20.76	20.88		
3	1	0	64-QAM	20.90	20.77	20.90	26.89	0.4887
3	1	8		20.85	20.82	20.99		
3	1	14		20.93	20.76	20.77		
3	8	0		19.77	19.71	19.76		
3	8	4		19.70	19.72	19.86		
3	8	7		19.68	19.61	19.87		
3	15	0		19.67	19.75	19.72		
3	1	0	256-QAM	17.53	17.44	17.53	23.56	0.2270
3	1	8		17.48	17.39	17.60		
3	1	14		17.66	17.42	17.66		
3	8	0		17.43	17.38	17.61		
3	8	4		17.44	17.34	17.48		
3	8	7		17.40	17.44	17.44		
3	15	0		17.45	17.47	17.43		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.86	22.74	22.57	28.76	0.7516
1.4	1	3		22.57	22.62	22.66		
1.4	1	5		22.56	22.55	22.63		
1.4	3	0		22.77	22.72	22.59		
1.4	3	1		22.59	22.56	22.64		
1.4	3	3		22.59	22.44	22.55		
1.4	6	0		21.83	21.75	21.87		
1.4	1	0	16-QAM	21.76	21.61	21.69	27.77	0.5984
1.4	1	3		21.77	21.61	21.67		
1.4	1	5		21.71	21.65	21.72		
1.4	3	0		21.79	21.73	21.68		
1.4	3	1		21.65	21.63	21.74		
1.4	3	3		21.87	21.65	21.78		
1.4	6	0		20.85	20.73	20.84		
1.4	1	0	64-QAM	20.81	20.72	20.81	26.88	0.4875
1.4	1	3		20.67	20.60	20.70		
1.4	1	5		20.80	20.72	20.85		
1.4	3	0		20.98	20.76	20.98		
1.4	3	1		20.93	20.88	20.92		
1.4	3	3		20.92	20.76	20.92		
1.4	6	0		19.68	19.72	19.83		
1.4	1	0	256-QAM	17.44	17.47	17.63	23.53	0.2254
1.4	1	3		17.55	17.55	17.63		
1.4	1	5		17.58	17.59	17.56		
1.4	3	0		17.54	17.39	17.61		
1.4	3	1		17.42	17.37	17.38		
1.4	3	3		17.48	17.42	17.38		
1.4	6	0		17.51	17.49	17.52		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.98	22.78	22.72	28.88	0.7727
20	1	49		22.74	22.65	22.63		
20	1	99		22.65	22.65	22.62		
20	50	0		21.89	21.77	21.75		
20	50	24		21.80	21.76	21.67		
20	50	50		21.74	21.75	21.74		
20	100	0		21.78	21.76	21.67		
20	1	0	16-QAM	22.10	22.03	22.00	28.17	0.6561
20	1	49		22.27	22.17	22.14		
20	1	99		21.99	21.96	21.99		
20	50	0		20.92	20.79	20.67		
20	50	24		20.82	20.78	20.68		
20	50	50		20.76	20.77	20.76		
20	100	0		20.81	20.79	20.69		
20	1	0	64-QAM	21.02	20.96	20.82	26.93	0.4932
20	1	49		21.03	21.00	20.90		
20	1	99		21.01	20.84	20.79		
20	50	0		19.89	19.78	19.65		
20	50	24		19.83	19.79	19.69		
20	50	50		19.76	19.74	19.73		
20	100	0		19.80	19.77	19.69		
20	1	0	256-QAM	17.95	17.75	17.69	23.85	0.2427
20	1	49		17.93	17.73	17.67		
20	1	99		17.89	17.69	17.63		
20	50	0		17.78	17.58	17.52		
20	50	24		17.85	17.65	17.59		
20	50	50		17.79	17.59	17.53		
20	100	0		17.78	17.58	17.52		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.97	22.62	22.57	28.87	0.7709
15	1	37		22.63	22.63	22.52		
15	1	74		22.57	22.63	22.52		
15	36	0		21.85	21.66	21.64		
15	36	20		21.73	21.74	21.55		
15	36	39		21.61	21.70	21.55		
15	75	0		21.77	21.67	21.65		
15	1	0	16-QAM	21.99	21.90	21.86	28.09	0.6442
15	1	37		22.19	22.13	22.11		
15	1	74		21.92	21.84	21.99		
15	36	0		20.75	20.75	20.53		
15	36	20		20.79	20.77	20.61		
15	36	39		20.57	20.63	20.65		
15	75	0		20.70	20.76	20.64		
15	1	0	64-QAM	20.93	20.78	20.81	26.85	0.4842
15	1	37		20.89	20.84	20.73		
15	1	74		20.95	20.67	20.61		
15	36	0		19.80	19.64	19.46		
15	36	20		19.77	19.61	19.57		
15	36	39		19.66	19.74	19.53		
15	75	0		19.70	19.57	19.69		
15	1	0	256-QAM	17.95	17.63	17.69	23.85	0.2427
15	1	37		17.87	17.55	17.63		
15	1	74		17.73	17.60	17.43		
15	36	0		17.65	17.43	17.50		
15	36	20		17.79	17.61	17.45		
15	36	39		17.72	17.48	17.39		
15	75	0		17.62	17.39	17.45		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.94	22.65	22.54	28.84	0.7656
10	1	25		22.72	22.57	22.44		
10	1	49		22.58	22.56	22.53		
10	25	0		21.78	21.59	21.67		
10	25	12		21.64	21.74	21.49		
10	25	25		21.56	21.68	21.68		
10	50	0		21.66	21.57	21.47		
10	1	0	16-QAM	21.99	21.86	21.96	28.06	0.6397
10	1	25		22.08	22.16	22.03		
10	1	49		21.85	21.81	21.81		
10	25	0		20.81	20.63	20.47		
10	25	12		20.62	20.73	20.57		
10	25	25		20.58	20.70	20.68		
10	50	0		20.78	20.59	20.63		
10	1	0	64-QAM	20.97	20.79	20.66	26.88	0.4875
10	1	25		20.86	20.98	20.82		
10	1	49		20.91	20.84	20.77		
10	25	0		19.81	19.71	19.61		
10	25	12		19.68	19.79	19.54		
10	25	25		19.67	19.73	19.61		
10	50	0		19.76	19.70	19.64		
10	1	0	256-QAM	17.83	17.61	17.53	23.75	0.2371
10	1	25		17.78	17.55	17.65		
10	1	49		17.85	17.66	17.44		
10	25	0		17.70	17.41	17.51		
10	25	12		17.81	17.59	17.50		
10	25	25		17.66	17.54	17.34		
10	50	0		17.78	17.43	17.46		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.95	22.74	22.66	28.85	0.7674
5	1	12		22.65	22.52	22.62		
5	1	24		22.45	22.60	22.55		
5	12	0		21.87	21.69	21.58		
5	12	7		21.73	21.72	21.50		
5	12	13		21.59	21.67	21.57		
5	25	0		21.78	21.58	21.59		
5	1	0	16-QAM	22.00	21.95	21.83	28.16	0.6546
5	1	12		22.26	21.98	22.07		
5	1	24		21.99	21.91	21.92		
5	12	0		20.80	20.69	20.60		
5	12	7		20.78	20.65	20.68		
5	12	13		20.73	20.72	20.63		
5	25	0		20.73	20.71	20.50		
5	1	0	64-QAM	20.86	20.83	20.68	26.89	0.4887
5	1	12		20.99	20.87	20.88		
5	1	24		20.88	20.75	20.75		
5	12	0		19.75	19.68	19.54		
5	12	7		19.71	19.75	19.58		
5	12	13		19.76	19.74	19.73		
5	25	0		19.65	19.73	19.66		
5	1	0	256-QAM	17.87	17.72	17.63	23.79	0.2393
5	1	12		17.75	17.69	17.58		
5	1	24		17.89	17.59	17.50		
5	12	0		17.65	17.42	17.35		
5	12	7		17.78	17.64	17.59		
5	12	13		17.79	17.53	17.44		
5	25	0		17.66	17.39	17.32		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.87	22.65	22.61	28.77	0.7534
3	1	8		22.54	22.61	22.44		
3	1	14		22.57	22.63	22.58		
3	8	0		21.85	21.73	21.59		
3	8	4		21.67	21.74	21.54		
3	8	7		21.71	21.60	21.59		
3	15	0		21.62	21.63	21.56		
3	1	0	16-QAM	21.94	21.86	21.97	28.14	0.6516
3	1	8		22.24	22.08	22.05		
3	1	14		21.86	21.79	21.90		
3	8	0		20.87	20.69	20.65		
3	8	4		20.74	20.76	20.63		
3	8	7		20.57	20.70	20.57		
3	15	0		20.73	20.77	20.60		
3	1	0	64-QAM	20.82	20.80	20.80	26.90	0.4898
3	1	8		20.84	20.88	20.74		
3	1	14		21.00	20.84	20.63		
3	8	0		19.82	19.59	19.57		
3	8	4		19.82	19.67	19.54		
3	8	7		19.76	19.71	19.59		
3	15	0		19.79	19.73	19.49		
3	1	0	256-QAM	17.82	17.73	17.50	23.72	0.2355
3	1	8		17.73	17.56	17.57		
3	1	14		17.73	17.58	17.51		
3	8	0		17.74	17.38	17.47		
3	8	4		17.78	17.65	17.39		
3	8	7		17.79	17.55	17.35		
3	15	0		17.72	17.43	17.49		
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 5.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.89	22.76	22.70	28.87	0.7709
1.4	1	3		22.95	22.79	22.75		
1.4	1	5		22.90	22.74	22.70		
1.4	3	0		22.95	22.82	22.77		
1.4	3	1		22.97	22.83	22.78		
1.4	3	3		22.95	22.81	22.78		
1.4	6	0		21.97	21.84	21.80		
1.4	1	0	16-QAM	22.30	22.19	22.20	28.25	0.6683
1.4	1	3		22.35	22.28	22.17		
1.4	1	5		22.31	22.15	22.15		
1.4	3	0		22.11	21.93	21.95		
1.4	3	1		22.09	22.03	21.96		
1.4	3	3		22.11	21.97	21.94		
1.4	6	0		21.05	20.88	20.86		
1.4	1	0	64-QAM	21.07	20.97	20.90	27.06	0.5082
1.4	1	3		21.16	21.11	21.02		
1.4	1	5		21.11	21.02	20.95		
1.4	3	0		21.07	20.92	20.87		
1.4	3	1		21.06	20.91	20.90		
1.4	3	3		21.09	20.91	20.88		
1.4	6	0		20.06	19.89	19.85		
1.4	1	0	256-QAM	17.92	17.57	17.57	23.82	0.2410
1.4	1	3		17.86	17.61	17.52		
1.4	1	5		17.87	17.54	17.62		
1.4	3	0		17.73	17.57	17.32		
1.4	3	1		17.65	17.54	17.55		
1.4	3	3		17.59	17.44	17.45		
1.4	6	0		17.60	17.42	17.35		
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.67	22.75	23.05	28.55	0.7161
20	1	49		22.53	22.58	22.70		
20	1	99		22.63	22.73	22.83		
20	50	0		21.69	21.74	21.87		
20	50	24		21.68	21.73	21.78		
20	50	50		21.68	21.72	21.86		
20	100	0		21.66	21.72	21.78		
20	1	0	16-QAM	21.87	21.89	21.99	27.81	0.6039
20	1	49		22.04	22.01	22.31		
20	1	99		21.90	22.06	22.25		
20	50	0		20.61	20.67	20.80		
20	50	24		20.68	20.74	20.81		
20	50	50		20.68	20.75	20.89		
20	100	0		20.69	20.72	20.78		
20	1	0	64-QAM	20.67	20.81	20.90	26.65	0.4624
20	1	49		20.80	20.80	20.94		
20	1	99		20.82	20.95	21.15		
20	50	0		19.60	19.66	19.77		
20	50	24		19.69	19.73	19.80		
20	50	50		19.65	19.72	19.87		
20	100	0		19.68	19.74	19.79		
20	1	0	256-QAM	17.16	17.35	17.60	23.30	0.2138
20	1	49		17.35	17.51	17.65		
20	1	99		17.41	17.58	17.80		
20	50	0		17.20	17.32	17.60		
20	50	24		17.34	17.44	17.58		
20	50	50		17.23	17.43	17.72		
20	100	0		17.25	17.43	17.60		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.65	22.66	22.93	28.43	0.6966
15	1	37		22.38	22.45	22.52		
15	1	74		22.47	22.57	22.83		
15	36	0		21.59	21.64	21.75		
15	36	20		21.65	21.62	21.63		
15	36	39		21.63	21.65	21.77		
15	75	0		21.62	21.52	21.76		
15	1	0	16-QAM	21.69	21.76	21.98	27.64	0.5808
15	1	37		21.99	21.98	22.13		
15	1	74		21.81	22.02	22.14		
15	36	0		20.59	20.55	20.61		
15	36	20		20.52	20.72	20.68		
15	36	39		20.66	20.70	20.72		
15	75	0		20.66	20.56	20.62		
15	1	0	64-QAM	20.65	20.72	20.78	26.59	0.4560
15	1	37		20.79	20.64	20.74		
15	1	74		20.72	20.78	21.09		
15	36	0		19.50	19.47	19.68		
15	36	20		19.52	19.56	19.67		
15	36	39		19.53	19.67	19.82		
15	75	0		19.68	19.61	19.63		
15	1	0	256-QAM	17.07	17.33	17.55	23.26	0.2118
15	1	37		17.31	17.45	17.62		
15	1	74		17.32	17.58	17.76		
15	36	0		17.06	17.14	17.45		
15	36	20		17.34	17.24	17.57		
15	36	39		17.18	17.40	17.59		
15	75	0		17.14	17.32	17.44		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.57	22.74	22.98	28.48	0.7047
10	1	25		22.45	22.44	22.64		
10	1	49		22.46	22.60	22.79		
10	25	0		21.52	21.56	21.86		
10	25	12		21.55	21.61	21.71		
10	25	25		21.64	21.65	21.80		
10	50	0		21.52	21.52	21.58		
10	1	0	16-QAM	21.80	21.80	21.90	27.68	0.5861
10	1	25		21.89	22.01	22.18		
10	1	49		21.84	22.06	22.08		
10	25	0		20.47	20.55	20.75		
10	25	12		20.60	20.60	20.70		
10	25	25		20.58	20.60	20.77		
10	50	0		20.60	20.54	20.68		
10	1	0	64-QAM	20.64	20.70	20.85	26.56	0.4529
10	1	25		20.76	20.78	20.89		
10	1	49		20.70	20.78	21.06		
10	25	0		19.56	19.54	19.63		
10	25	12		19.57	19.66	19.76		
10	25	25		19.58	19.66	19.68		
10	50	0		19.49	19.61	19.72		
10	1	0	256-QAM	17.13	17.18	17.51	23.23	0.2104
10	1	25		17.32	17.35	17.52		
10	1	49		17.35	17.41	17.73		
10	25	0		17.05	17.29	17.50		
10	25	12		17.31	17.32	17.51		
10	25	25		17.14	17.42	17.71		
10	50	0		17.25	17.32	17.47		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.55	22.65	23.01	28.51	0.7096
5	1	12		22.42	22.52	22.69		
5	1	24		22.55	22.64	22.73		
5	12	0		21.53	21.66	21.86		
5	12	7		21.64	21.53	21.77		
5	12	13		21.48	21.54	21.71		
5	25	0		21.50	21.62	21.77		
5	1	0	16-QAM	21.67	21.86	21.84	27.69	0.5875
5	1	12		22.02	21.84	22.19		
5	1	24		21.83	21.99	22.18		
5	12	0		20.42	20.51	20.64		
5	12	7		20.65	20.64	20.64		
5	12	13		20.63	20.64	20.82		
5	25	0		20.57	20.55	20.73		
5	1	0	64-QAM	20.66	20.80	20.90	26.54	0.4508
5	1	12		20.79	20.66	20.93		
5	1	24		20.67	20.90	21.04		
5	12	0		19.59	19.58	19.60		
5	12	7		19.60	19.60	19.74		
5	12	13		19.48	19.54	19.74		
5	25	0		19.61	19.72	19.60		
5	1	0	256-QAM	17.01	17.15	17.44	23.16	0.2070
5	1	12		17.27	17.40	17.59		
5	1	24		17.24	17.56	17.66		
5	12	0		17.09	17.13	17.59		
5	12	7		17.17	17.25	17.43		
5	12	13		17.19	17.25	17.65		
5	25	0		17.12	17.23	17.53		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.53	22.68	22.90	28.40	0.6918
3	1	8		22.38	22.56	22.65		
3	1	14		22.57	22.59	22.66		
3	8	0		21.49	21.74	21.73		
3	8	4		21.68	21.63	21.65		
3	8	7		21.48	21.56	21.78		
3	15	0		21.64	21.54	21.61		
3	1	0	16-QAM	21.87	21.83	21.85	27.81	0.6039
3	1	8		21.94	21.96	22.31		
3	1	14		21.70	21.93	22.18		
3	8	0		20.48	20.52	20.73		
3	8	4		20.54	20.60	20.79		
3	8	7		20.67	20.73	20.89		
3	15	0		20.64	20.61	20.63		
3	1	0	64-QAM	20.64	20.64	20.81	26.63	0.4603
3	1	8		20.77	20.80	20.75		
3	1	14		20.70	20.80	21.13		
3	8	0		19.40	19.54	19.74		
3	8	4		19.56	19.69	19.60		
3	8	7		19.46	19.67	19.80		
3	15	0		19.57	19.67	19.71		
3	1	0	256-QAM	17.09	17.17	17.48	23.15	0.2065
3	1	8		17.25	17.50	17.49		
3	1	14		17.37	17.53	17.65		
3	8	0		17.01	17.13	17.57		
3	8	4		17.31	17.38	17.56		
3	8	7		17.21	17.24	17.55		
3	15	0		17.12	17.34	17.44		
Limit	EIRP < 1W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.59	22.69	22.97	28.53	0.7129
1.4	1	3		22.60	22.76	23.03		
1.4	1	5		22.57	22.69	22.95		
1.4	3	0		22.60	22.73	23.01		
1.4	3	1		22.64	22.79	23.03		
1.4	3	3		22.64	22.75	23.02		
1.4	6	0		21.64	21.77	22.01		
1.4	1	0	16-QAM	21.98	22.16	22.46	27.96	0.6252
1.4	1	3		22.04	22.20	22.39		
1.4	1	5		21.97	22.12	22.38		
1.4	3	0		21.80	21.88	22.24		
1.4	3	1		21.82	21.94	22.18		
1.4	3	3		21.81	21.94	22.23		
1.4	6	0		20.70	20.86	21.12		
1.4	1	0	64-QAM	20.88	20.92	21.18	26.74	0.4721
1.4	1	3		20.88	20.96	21.24		
1.4	1	5		20.81	20.96	21.20		
1.4	3	0		20.75	20.81	21.19		
1.4	3	1		20.73	20.92	21.18		
1.4	3	3		20.78	20.91	21.14		
1.4	6	0		19.67	19.86	20.05		
1.4	1	0	256-QAM	17.05	17.16	17.41	23.11	0.2046
1.4	1	3		17.35	17.31	17.60		
1.4	1	5		17.28	17.44	17.61		
1.4	3	0		17.05	17.14	17.50		
1.4	3	1		17.17	17.40	17.58		
1.4	3	3		17.09	17.33	17.57		
1.4	6	0		17.08	17.38	17.57		
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.98	22.85	22.84	24.33	0.2710
10	1	25		22.88	22.86	22.81		
10	1	49		22.90	22.84	22.78		
10	25	0		21.96	21.87	21.83		
10	25	12		21.95	21.86	21.82		
10	25	25		21.90	21.90	21.86		
10	50	0		21.92	21.84	21.90		
10	1	0	16-QAM	22.30	22.27	22.27	23.70	0.2344
10	1	25		22.26	22.26	22.15		
10	1	49		22.35	22.32	22.19		
10	25	0		20.88	20.88	20.82		
10	25	12		20.98	20.91	20.84		
10	25	25		20.94	20.93	20.89		
10	50	0		20.95	20.83	20.88		
10	1	0	64-QAM	21.12	21.03	21.03	22.53	0.1791
10	1	25		21.10	21.18	21.03		
10	1	49		21.16	21.06	21.01		
10	25	0		19.87	19.86	19.84		
10	25	12		19.98	19.88	19.83		
10	25	25		19.92	19.92	19.88		
10	50	0		19.95	19.86	19.90		
10	1	0	256-QAM	18.01	17.93	17.90	19.36	0.0863
10	1	25		17.95	18.00	17.84		
10	1	49		17.99	17.98	17.83		
10	25	0		17.86	17.82	17.66		
10	25	12		17.90	17.84	17.66		
10	25	25		17.96	17.87	17.73		
10	50	0		17.85	17.80	17.64		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.79	22.66	22.73	24.20	0.2630
5	1	12		22.85	22.82	22.65		
5	1	24		22.70	22.72	22.72		
5	12	0		21.93	21.67	21.77		
5	12	7		21.92	21.70	21.74		
5	12	13		21.81	21.89	21.76		
5	25	0		21.92	21.67	21.72		
5	1	0	16-QAM	22.26	22.21	22.07	23.65	0.2317
5	1	12		22.07	22.20	21.98		
5	1	24		22.30	22.20	22.02		
5	12	0		20.74	20.78	20.69		
5	12	7		20.85	20.89	20.78		
5	12	13		20.89	20.79	20.72		
5	25	0		20.95	20.74	20.72		
5	1	0	64-QAM	20.99	20.89	21.03	22.44	0.1754
5	1	12		21.09	20.99	20.90		
5	1	24		20.96	21.03	20.88		
5	12	0		19.71	19.67	19.81		
5	12	7		19.88	19.83	19.71		
5	12	13		19.81	19.75	19.68		
5	25	0		19.86	19.70	19.86		
5	1	0	256-QAM	17.84	17.93	17.74	19.31	0.0853
5	1	12		17.92	17.80	17.64		
5	1	24		17.96	17.91	17.66		
5	12	0		17.78	17.74	17.48		
5	12	7		17.75	17.70	17.66		
5	12	13		17.90	17.80	17.64		
5	25	0		17.70	17.80	17.55		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.86	22.77	22.64	24.21	0.2636
3	1	8		22.86	22.79	22.70		
3	1	14		22.84	22.76	22.59		
3	8	0		21.80	21.83	21.67		
3	8	4		21.95	21.73	21.68		
3	8	7		21.84	21.76	21.82		
3	15	0		21.89	21.67	21.86		
3	1	0	16-QAM	22.29	22.22	22.08	23.64	0.2312
3	1	8		22.09	22.10	21.99		
3	1	14		22.19	22.13	22.18		
3	8	0		20.84	20.84	20.71		
3	8	4		20.89	20.76	20.68		
3	8	7		20.93	20.80	20.69		
3	15	0		20.89	20.64	20.84		
3	1	0	64-QAM	21.11	20.92	20.93	22.46	0.1762
3	1	8		21.10	21.10	20.98		
3	1	14		21.04	21.03	20.88		
3	8	0		19.67	19.81	19.68		
3	8	4		19.80	19.74	19.76		
3	8	7		19.89	19.80	19.73		
3	15	0		19.93	19.67	19.83		
3	1	0	256-QAM	17.94	17.77	17.77	19.29	0.0849
3	1	8		17.82	17.88	17.73		
3	1	14		17.90	17.91	17.70		
3	8	0		17.69	17.70	17.47		
3	8	4		17.80	17.73	17.66		
3	8	7		17.76	17.74	17.59		
3	15	0		17.66	17.76	17.59		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.83	22.80	22.76	24.29	0.2685
1.4	1	3		22.87	22.87	22.78		
1.4	1	5		22.78	22.81	22.75		
1.4	3	0		22.94	22.87	22.81		
1.4	3	1		22.91	22.88	22.84		
1.4	3	3		22.90	22.88	22.81		
1.4	6	0		21.88	21.80	21.80		
1.4	1	0	16-QAM	22.30	22.24	22.16	23.68	0.2333
1.4	1	3		22.28	22.33	22.20		
1.4	1	5		22.18	22.25	22.21		
1.4	3	0		22.05	22.05	22.00		
1.4	3	1		22.09	22.04	22.01		
1.4	3	3		22.04	22.03	21.99		
1.4	6	0		20.93	20.88	20.95		
1.4	1	0	64-QAM	21.14	20.97	21.02	22.49	0.1774
1.4	1	3		21.09	21.13	21.07		
1.4	1	5		21.08	21.10	20.97		
1.4	3	0		21.03	21.02	20.96		
1.4	3	1		20.99	21.04	20.94		
1.4	3	3		20.99	21.05	20.94		
1.4	6	0		19.90	19.85	19.84		
1.4	1	0	256-QAM	17.91	17.93	17.74	19.32	0.0855
1.4	1	3		17.95	17.97	17.65		
1.4	1	5		17.90	17.86	17.76		
1.4	3	0		17.76	17.72	17.53		
1.4	3	1		17.70	17.84	17.56		
1.4	3	3		17.84	17.69	17.59		
1.4	6	0		17.75	17.72	17.64		
Limit	ERP < 7W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.98	23.09	23.37	27.17	0.5212
20	1	49		22.85	22.85	23.09		
20	1	99		22.92	23.01	23.26		
20	50	0		21.98	22.00	22.27		
20	50	24		21.95	21.96	22.16		
20	50	50		21.97	21.99	22.26		
20	100	0		21.95	21.95	22.13		
20	1	0	16-QAM	21.97	22.06	22.22	26.41	0.4375
20	1	49		22.22	22.23	22.60		
20	1	99		22.26	22.24	22.61		
20	50	0		20.82	20.87	21.11		
20	50	24		20.95	20.98	21.17		
20	50	50		21.00	20.99	21.28		
20	100	0		20.97	20.96	21.16		
20	1	0	64-QAM	20.93	21.03	21.16	25.26	0.3357
20	1	49		21.16	21.09	21.46		
20	1	99		21.16	21.19	21.43		
20	50	0		19.84	19.87	20.10		
20	50	24		19.97	19.99	20.15		
20	50	50		20.00	20.03	20.29		
20	100	0		19.95	19.95	20.16		
20	1	0	256-QAM	17.59	17.74	17.86	21.84	0.1528
20	1	49		17.46	17.77	18.02		
20	1	99		17.50	17.76	18.00		
20	50	0		17.34	17.62	17.82		
20	50	24		17.49	17.72	17.95		
20	50	50		17.53	17.78	18.04		
20	100	0		17.53	17.70	17.83		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.88	23.08	23.35	27.15	0.5188
15	1	37		22.76	22.74	23.01		
15	1	74		22.82	22.98	23.14		
15	36	0		21.97	21.91	22.15		
15	36	20		21.76	21.88	22.13		
15	36	39		21.82	21.96	22.14		
15	75	0		21.89	21.93	22.12		
15	1	0	16-QAM	21.81	21.93	22.08	26.37	0.4335
15	1	37		22.05	22.06	22.57		
15	1	74		22.19	22.12	22.41		
15	36	0		20.70	20.87	20.98		
15	36	20		20.94	20.95	20.97		
15	36	39		20.94	20.91	21.09		
15	75	0		20.80	20.82	21.07		
15	1	0	64-QAM	20.85	20.98	21.12	25.18	0.3296
15	1	37		21.09	20.93	21.38		
15	1	74		21.16	21.02	21.35		
15	36	0		19.65	19.73	19.93		
15	36	20		19.77	19.93	20.08		
15	36	39		19.85	20.03	20.18		
15	75	0		19.85	19.79	20.16		
15	1	0	256-QAM	17.42	17.70	17.68	21.74	0.1493
15	1	37		17.35	17.76	17.82		
15	1	74		17.35	17.57	17.94		
15	36	0		17.26	17.45	17.63		
15	36	20		17.30	17.62	17.87		
15	36	39		17.34	17.75	17.88		
15	75	0		17.34	17.51	17.80		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.95	23.01	23.22	27.02	0.5035
10	1	25		22.79	22.68	23.03		
10	1	49		22.86	22.93	23.08		
10	25	0		21.95	21.86	22.13		
10	25	12		21.79	21.88	22.01		
10	25	25		21.96	21.84	22.20		
10	50	0		21.80	21.94	22.13		
10	1	0	16-QAM	21.93	21.99	22.12	26.36	0.4325
10	1	25		22.05	22.14	22.56		
10	1	49		22.09	22.16	22.52		
10	25	0		20.70	20.85	21.11		
10	25	12		20.76	20.83	21.07		
10	25	25		20.83	20.97	21.21		
10	50	0		20.91	20.83	21.07		
10	1	0	64-QAM	20.84	20.92	21.05	25.25	0.3350
10	1	25		21.10	20.90	21.45		
10	1	49		21.03	21.16	21.29		
10	25	0		19.79	19.77	20.05		
10	25	12		19.93	19.87	20.09		
10	25	25		19.87	20.00	20.15		
10	50	0		19.87	19.81	20.12		
10	1	0	256-QAM	17.58	17.73	17.80	21.82	0.1521
10	1	25		17.39	17.67	17.90		
10	1	49		17.39	17.56	17.81		
10	25	0		17.17	17.54	17.80		
10	25	12		17.47	17.58	17.83		
10	25	25		17.42	17.62	18.02		
10	50	0		17.41	17.60	17.65		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.93	22.89	23.30	27.10	0.5129
5	1	12		22.78	22.70	22.94		
5	1	24		22.78	22.95	23.13		
5	12	0		21.93	21.98	22.16		
5	12	7		21.77	21.79	22.12		
5	12	13		21.85	21.97	22.24		
5	25	0		21.95	21.90	22.00		
5	1	0	16-QAM	21.78	21.93	22.19	26.33	0.4295
5	1	12		22.14	22.23	22.53		
5	1	24		22.17	22.24	22.41		
5	12	0		20.80	20.77	21.05		
5	12	7		20.93	20.89	21.17		
5	12	13		20.83	20.99	21.25		
5	25	0		20.82	20.85	21.08		
5	1	0	64-QAM	20.87	21.03	21.02	25.26	0.3357
5	1	12		21.04	20.98	21.46		
5	1	24		21.01	21.16	21.24		
5	12	0		19.75	19.74	19.99		
5	12	7		19.86	19.92	20.11		
5	12	13		19.86	19.93	20.25		
5	25	0		19.94	19.83	20.01		
5	1	0	256-QAM	17.49	17.56	17.74	21.80	0.1514
5	1	12		17.38	17.75	18.00		
5	1	24		17.38	17.56	17.84		
5	12	0		17.22	17.42	17.67		
5	12	7		17.48	17.68	17.92		
5	12	13		17.38	17.71	17.89		
5	25	0		17.33	17.57	17.82		
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.30	23.13	23.10	24.75	0.2985
10	1	25		23.15	23.12	23.09		
10	1	49		23.12	23.08	23.04		
10	25	0		22.28	22.21	22.18		
10	25	12		22.27	22.16	22.12		
10	25	25		22.26	22.20	22.17		
10	50	0		22.25	22.12	22.10		
10	1	0	16-QAM	22.60	22.53	22.57	24.05	0.2541
10	1	25		22.50	22.55	22.46		
10	1	49		22.52	22.52	22.49		
10	25	0		21.20	21.15	21.12		
10	25	12		21.29	21.19	21.14		
10	25	25		21.28	21.23	21.19		
10	50	0		21.27	21.14	21.11		
10	1	0	64-QAM	21.37	21.38	21.31	22.92	0.1959
10	1	25		21.37	21.47	21.34		
10	1	49		21.41	21.36	21.24		
10	25	0		20.19	20.14	20.10		
10	25	12		20.31	20.17	20.13		
10	25	25		20.28	20.21	20.17		
10	50	0		20.25	20.14	20.10		
10	1	0	256-QAM	18.59	18.43	18.28	20.04	0.1009
10	1	25		18.48	18.49	18.31		
10	1	49		18.05	18.06	17.89		
10	25	0		18.44	18.27	18.09		
10	25	12		18.38	18.24	18.05		
10	25	25		18.24	18.26	18.20		
10	50	0		18.26	18.21	18.14		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.28	23.12	22.94	24.73	0.2972
5	1	12		23.08	23.01	22.96		
5	1	24		23.08	22.89	22.85		
5	12	0		22.15	22.07	22.14		
5	12	7		22.20	21.99	22.07		
5	12	13		22.12	22.00	22.15		
5	25	0		22.14	22.09	21.92		
5	1	0	16-QAM	22.51	22.33	22.39	23.96	0.2489
5	1	12		22.30	22.41	22.43		
5	1	24		22.50	22.45	22.37		
5	12	0		21.18	21.11	21.12		
5	12	7		21.14	20.99	21.03		
5	12	13		21.14	21.04	21.08		
5	25	0		21.25	21.11	20.96		
5	1	0	64-QAM	21.35	21.36	21.17	22.83	0.1919
5	1	12		21.31	21.38	21.32		
5	1	24		21.35	21.27	21.13		
5	12	0		20.07	19.96	19.91		
5	12	7		20.22	20.04	19.98		
5	12	13		20.24	20.05	20.04		
5	25	0		20.25	19.95	20.05		
5	1	0	256-QAM	18.45	18.25	18.11	19.93	0.0984
5	1	12		18.47	18.48	18.13		
5	1	24		17.89	18.06	17.82		
5	12	0		18.28	18.09	18.08		
5	12	7		18.30	18.14	17.86		
5	12	13		18.21	18.26	18.05		
5	25	0		18.07	18.15	18.10		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.27	23.03	22.96	24.72	0.2965
3	1	8		23.07	23.11	23.06		
3	1	14		23.09	22.89	23.01		
3	8	0		22.19	22.03	22.12		
3	8	4		22.13	22.04	22.00		
3	8	7		22.24	22.07	22.14		
3	15	0		22.07	21.99	21.96		
3	1	0	16-QAM	22.43	22.40	22.52	23.97	0.2495
3	1	8		22.42	22.35	22.31		
3	1	14		22.39	22.34	22.36		
3	8	0		21.13	20.97	21.12		
3	8	4		21.25	21.13	21.07		
3	8	7		21.12	21.23	20.99		
3	15	0		21.11	21.01	21.08		
3	1	0	64-QAM	21.36	21.19	21.20	22.86	0.1932
3	1	8		21.23	21.39	21.31		
3	1	14		21.41	21.25	21.21		
3	8	0		20.15	20.01	20.00		
3	8	4		20.24	20.01	20.09		
3	8	7		20.20	20.15	20.09		
3	15	0		20.17	20.02	20.02		
3	1	0	256-QAM	18.39	18.34	18.17	19.84	0.0964
3	1	8		18.37	18.29	18.14		
3	1	14		18.03	18.00	17.77		
3	8	0		18.30	18.26	18.03		
3	8	4		18.27	18.16	17.91		
3	8	7		18.07	18.06	18.19		
3	15	0		18.26	18.19	17.95		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.17	23.07	23.02	24.69	0.2944
1.4	1	3		23.22	23.11	23.04		
1.4	1	5		23.17	23.11	23.02		
1.4	3	0		23.23	23.12	23.09		
1.4	3	1		23.24	23.16	23.07		
1.4	3	3		23.20	23.17	22.99		
1.4	6	0		22.24	22.09	22.03		
1.4	1	0	16-QAM	22.61	22.43	22.41	24.07	0.2553
1.4	1	3		22.60	22.60	22.45		
1.4	1	5		22.62	22.48	22.39		
1.4	3	0		22.37	22.31	22.23		
1.4	3	1		22.39	22.27	22.26		
1.4	3	3		22.36	22.29	22.25		
1.4	6	0		21.32	21.17	21.10		
1.4	1	0	64-QAM	21.44	21.34	21.22	22.89	0.1945
1.4	1	3		21.39	21.29	21.33		
1.4	1	5		21.36	21.31	21.25		
1.4	3	0		21.36	21.22	21.13		
1.4	3	1		21.36	21.26	21.23		
1.4	3	3		21.31	21.26	21.14		
1.4	6	0		20.30	20.18	20.11		
1.4	1	0	256-QAM	18.53	18.35	18.26	19.98	0.0995
1.4	1	3		18.28	18.36	18.15		
1.4	1	5		17.93	18.01	17.77		
1.4	3	0		18.34	18.22	17.96		
1.4	3	1		18.28	18.10	17.91		
1.4	3	3		18.12	18.26	18.17		
1.4	6	0		18.14	18.20	18.09		
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.06	-	24.81	0.3027
10	1	25			22.96			
10	1	49			22.85			
10	25	0			22.01			
10	25	12			21.99			
10	25	25			22.00			
10	50	0			22.05			
10	1	0	16-QAM		22.42		24.17	0.2612
10	1	25			22.40			
10	1	49			22.28			
10	25	0			21.01			
10	25	12			21.00			
10	25	25			21.03			
10	50	0			21.05			
10	1	0	64-QAM		21.23		23.04	0.2014
10	1	25			21.29			
10	1	49			21.20			
10	25	0			20.00			
10	25	12			19.99			
10	25	25			20.02			
10	50	0			20.07			
10	1	0	256-QAM		18.09		19.94	0.0986
10	1	25			18.19			
10	1	49			18.06			
10	25	0			18.06			
10	25	12			18.02			
10	25	25			18.11			
10	50	0			18.12			
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.98	22.95	22.97	24.80	0.3020
5	1	12		23.02	23.05	23.02		
5	1	24		22.97	22.97	22.91		
5	12	0		22.01	21.98	21.96		
5	12	7		22.09	22.10	22.05		
5	12	13		22.07	22.06	22.01		
5	25	0		22.09	22.05	22.03		
5	1	0	16-QAM	22.34	22.32	22.34	24.25	0.2661
5	1	12		22.50	22.45	22.40		
5	1	24		22.34	22.34	22.24		
5	12	0		21.06	21.03	21.00		
5	12	7		21.16	21.15	21.12		
5	12	13		21.16	21.10	21.09		
5	25	0		21.11	21.07	21.06		
5	1	0	64-QAM	21.25	21.31	21.25	23.06	0.2023
5	1	12		21.31	21.22	21.26		
5	1	24		21.20	21.24	21.12		
5	12	0		20.06	20.05	19.99		
5	12	7		20.14	20.12	20.11		
5	12	13		20.08	20.07	20.07		
5	25	0		20.11	20.07	20.03		
5	1	0	256-QAM	18.04	18.01	18.03	19.97	0.0993
5	1	12		18.22	18.19	18.21		
5	1	24		18.03	18.00	18.02		
5	12	0		17.89	17.86	17.88		
5	12	7		18.02	17.99	18.01		
5	12	13		17.95	17.92	17.94		
5	25	0		18.01	17.98	18.00		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.15	23.24	23.21	24.69	0.2944
10	1	25		23.13	23.12	23.12		
10	1	49		23.14	23.10	23.08		
10	25	0		22.27	22.24	22.16		
10	25	12		22.26	22.18	22.15		
10	25	25		22.25	22.23	22.21		
10	50	0		22.18	22.14	22.13		
10	1	0	16-QAM	22.60	22.57	22.58	24.05	0.2541
10	1	25		22.52	22.53	22.49		
10	1	49		22.57	22.56	22.53		
10	25	0		21.19	21.19	21.18		
10	25	12		21.31	21.21	21.18		
10	25	25		21.26	21.25	21.23		
10	50	0		21.17	21.17	21.15		
10	1	0	64-QAM	21.34	21.38	21.37	22.88	0.1941
10	1	25		21.43	21.38	21.36		
10	1	49		21.37	21.42	21.34		
10	25	0		20.19	20.17	20.15		
10	25	12		20.27	20.20	20.16		
10	25	25		20.25	20.22	20.22		
10	50	0		20.18	20.17	20.16		
10	1	0	256-QAM	18.33	18.42	18.39	19.91	0.0979
10	1	25		18.36	18.45	18.42		
10	1	49		18.37	18.46	18.43		
10	25	0		18.20	18.29	18.26		
10	25	12		18.19	18.28	18.25		
10	25	25		18.16	18.25	18.22		
10	50	0		18.10	18.19	18.16		
Limit	ERP < 3W			Result			Pass	



LTE Band 17 Maximum Average Power [dBm] (GT - LC = 3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.05	23.07	23.03	24.58	0.2871
5	1	12		23.00	22.95	22.94		
5	1	24		23.13	22.91	22.98		
5	12	0		22.08	22.15	21.96		
5	12	7		22.15	21.98	22.14		
5	12	13		22.11	22.15	22.18		
5	25	0		22.18	22.05	22.03		
5	1	0	16-QAM	22.42	22.44	22.57	24.02	0.2523
5	1	12		22.32	22.45	22.35		
5	1	24		22.41	22.37	22.38		
5	12	0		21.08	21.12	21.10		
5	12	7		21.25	21.14	21.00		
5	12	13		21.17	21.19	21.05		
5	25	0		20.97	21.03	20.97		
5	1	0	64-QAM	21.19	21.29	21.24	22.81	0.1910
5	1	12		21.34	21.18	21.33		
5	1	24		21.36	21.32	21.32		
5	12	0		20.05	20.06	19.98		
5	12	7		20.27	20.07	20.02		
5	12	13		20.17	20.03	20.22		
5	25	0		20.07	20.01	20.14		
5	1	0	256-QAM	18.26	18.24	18.32	19.89	0.0975
5	1	12		18.21	18.35	18.31		
5	1	24		18.35	18.44	18.34		
5	12	0		18.17	18.18	18.14		
5	12	7		18.00	18.08	18.17		
5	12	13		18.13	18.07	18.10		
5	25	0		17.93	18.11	18.04		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.98	22.62	22.68	24.33	0.2710
15	1	37		22.74	22.63	22.67		
15	1	74		22.69	22.51	22.60		
15	36	0		21.85	21.91	21.80		
15	36	20		21.76	21.63	21.79		
15	36	39		21.84	21.70	21.78		
15	75	0		21.77	21.84	21.80		
15	1	0	16-QAM	21.93	22.05	21.93	23.56	0.2270
15	1	37		22.01	22.21	22.02		
15	1	74		22.01	21.85	21.90		
15	36	0		20.81	20.80	20.74		
15	36	20		20.78	20.70	20.80		
15	36	39		20.86	20.98	20.81		
15	75	0		20.79	20.65	20.83		
15	1	0	64-QAM	20.90	21.06	21.01	22.48	0.1770
15	1	37		20.94	20.90	20.89		
15	1	74		20.93	21.13	20.78		
15	36	0		19.80	19.70	19.75		
15	36	20		19.80	19.99	19.81		
15	36	39		19.86	19.96	19.79		
15	75	0		19.81	19.65	19.82		
15	1	0	256-QAM	17.98	17.67	17.62	19.35	0.0861
15	1	37		17.93	17.32	17.45		
15	1	74		18.00	17.71	17.63		
15	36	0		17.88	17.43	17.51		
15	36	20		17.82	17.59	17.40		
15	36	39		17.92	17.70	17.60		
15	75	0		17.90	17.32	17.45		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.43	22.91	22.58	24.26	0.2667
10	1	25		22.51	22.51	22.59		
10	1	49		22.52	22.73	22.47		
10	25	0		21.92	21.78	21.67		
10	25	12		21.60	21.67	21.64		
10	25	25		21.87	21.62	21.59		
10	50	0		21.78	21.56	21.67		
10	1	0	16-QAM	21.83	21.77	21.91	23.38	0.2178
10	1	25		21.94	21.92	21.98		
10	1	49		21.98	22.03	21.75		
10	25	0		20.59	20.70	20.71		
10	25	12		20.80	20.77	20.62		
10	25	25		20.73	20.71	20.67		
10	50	0		20.86	20.64	20.66		
10	1	0	64-QAM	20.93	20.67	20.94	22.29	0.1694
10	1	25		20.92	20.84	20.70		
10	1	49		20.83	20.70	20.70		
10	25	0		19.64	19.68	19.75		
10	25	12		19.72	19.64	19.77		
10	25	25		19.87	19.90	19.63		
10	50	0		19.74	19.75	19.68		
10	1	0	256-QAM	17.54	17.92	17.58	19.31	0.0853
10	1	25		17.54	17.84	17.25		
10	1	49		17.38	17.96	17.62		
10	25	0		17.32	17.80	17.33		
10	25	12		17.30	17.76	17.31		
10	25	25		17.45	17.79	17.59		
10	50	0		17.26	17.78	17.32		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.64	22.88	22.64	24.23	0.2649
5	1	12		22.40	22.53	22.62		
5	1	24		22.48	22.51	22.46		
5	12	0		21.89	21.79	21.62		
5	12	7		21.77	21.71	21.79		
5	12	13		21.76	21.59	21.70		
5	25	0		21.86	21.64	21.71		
5	1	0	16-QAM	21.89	21.84	21.90	23.38	0.2178
5	1	12		22.03	21.88	21.84		
5	1	24		21.91	21.83	21.77		
5	12	0		20.59	20.57	20.64		
5	12	7		20.77	20.86	20.79		
5	12	13		20.71	20.76	20.62		
5	25	0		20.66	20.73	20.81		
5	1	0	64-QAM	20.76	20.72	20.83	22.18	0.1652
5	1	12		20.82	20.67	20.82		
5	1	24		20.77	20.77	20.60		
5	12	0		19.64	19.79	19.69		
5	12	7		19.56	19.73	19.63		
5	12	13		19.76	19.77	19.67		
5	25	0		19.82	19.64	19.79		
5	1	0	256-QAM	17.54	17.79	17.43	19.19	0.0830
5	1	12		17.40	17.76	17.32		
5	1	24		17.44	17.84	17.52		
5	12	0		17.53	17.81	17.42		
5	12	7		17.47	17.82	17.34		
5	12	13		17.48	17.67	17.49		
5	25	0		17.37	17.79	17.38		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.62	23.03	22.53	24.38	0.2742
3	1	8		22.69	22.63	22.64		
3	1	14		22.56	22.62	22.43		
3	8	0		21.74	21.66	21.69		
3	8	4		21.61	21.64	21.71		
3	8	7		21.79	21.72	21.78		
3	15	0		21.78	21.63	21.80		
3	1	0	16-QAM	21.71	21.74	21.88	23.41	0.2193
3	1	8		22.06	21.78	21.93		
3	1	14		21.95	21.99	21.86		
3	8	0		20.67	20.74	20.61		
3	8	4		20.72	20.62	20.63		
3	8	7		20.81	20.93	20.75		
3	15	0		20.84	20.65	20.75		
3	1	0	64-QAM	20.73	20.75	20.92	22.32	0.1706
3	1	8		20.75	20.97	20.77		
3	1	14		20.75	20.79	20.67		
3	8	0		19.73	19.62	19.66		
3	8	4		19.59	19.72	19.61		
3	8	7		19.58	19.82	19.75		
3	15	0		19.60	19.75	19.80		
3	1	0	256-QAM	17.56	17.91	17.53	19.26	0.0843
3	1	8		17.45	17.81	17.40		
3	1	14		17.51	17.87	17.50		
3	8	0		17.42	17.89	17.41		
3	8	4		17.29	17.77	17.25		
3	8	7		17.47	17.84	17.41		
3	15	0		17.28	17.89	17.37		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.85	22.80	22.79	24.34	0.2716
1.4	1	3		22.77	22.99	22.84		
1.4	1	5		22.80	22.94	22.80		
1.4	3	0		22.98	22.93	22.86		
1.4	3	1		22.93	22.85	22.87		
1.4	3	3		22.85	22.84	22.88		
1.4	6	0		21.80	21.87	21.84		
1.4	1	0	16-QAM	22.21	22.17	22.18	23.70	0.2344
1.4	1	3		22.23	22.35	22.20		
1.4	1	5		22.03	22.20	22.14		
1.4	3	0		22.00	21.86	22.02		
1.4	3	1		22.06	21.99	21.99		
1.4	3	3		22.02	22.05	22.01		
1.4	6	0		20.99	21.03	20.91		
1.4	1	0	64-QAM	21.04	20.94	21.09	22.53	0.1791
1.4	1	3		21.02	21.18	21.02		
1.4	1	5		21.03	21.14	21.05		
1.4	3	0		21.10	20.86	20.99		
1.4	3	1		21.00	20.91	20.98		
1.4	3	3		21.00	20.96	20.98		
1.4	6	0		19.90	19.90	19.90		
1.4	1	0	256-QAM	17.36	17.78	17.47	19.40	0.0871
1.4	1	3		17.36	17.73	17.42		
1.4	1	5		17.48	18.05	17.46		
1.4	3	0		17.62	17.66	17.32		
1.4	3	1		17.46	17.79	17.21		
1.4	3	3		17.27	17.78	17.42		
1.4	6	0		17.30	17.80	17.31		
Limit	ERP < 7W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.93	23.20	23.07	27.00	0.5012
20	1	49		22.92	23.10	23.06		
20	1	99		23.03	23.07	22.97		
20	50	0		21.92	22.06	22.08		
20	50	24		22.02	22.08	22.17		
20	50	50		22.04	22.16	22.17		
20	100	0		22.00	22.07	22.15		
20	1	0	16-QAM	21.86	21.93	22.09	26.12	0.4093
20	1	49		22.11	22.29	22.32		
20	1	99		22.01	22.02	21.98		
20	50	0		20.91	21.06	21.08		
20	50	24		21.03	21.09	21.17		
20	50	50		21.04	21.17	21.17		
20	100	0		21.03	21.08	21.15		
20	1	0	64-QAM	20.69	20.83	21.00	24.87	0.3069
20	1	49		20.91	21.07	21.02		
20	1	99		20.93	21.01	21.00		
20	50	0		19.92	20.06	20.05		
20	50	24		20.02	20.09	20.16		
20	50	50		20.04	20.18	20.16		
20	100	0		20.00	20.06	20.14		
20	1	0	256-QAM	17.92	18.29	17.98	22.21	0.1663
20	1	49		18.01	18.33	18.01		
20	1	99		17.86	18.19	17.91		
20	50	0		18.00	18.30	18.13		
20	50	24		17.94	18.34	18.11		
20	50	50		17.94	18.41	18.28		
20	100	0		17.98	18.32	18.09		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.85	23.19	22.90	26.99	0.5000
15	1	37		22.90	23.01	22.88		
15	1	74		22.94	22.94	22.87		
15	36	0		21.79	22.01	21.95		
15	36	20		21.97	22.06	22.14		
15	36	39		21.91	22.03	22.03		
15	75	0		21.90	21.96	22.09		
15	1	0	16-QAM	21.76	21.73	22.09	26.08	0.4055
15	1	37		22.03	22.28	22.25		
15	1	74		21.83	21.96	21.79		
15	36	0		20.81	20.95	21.07		
15	36	20		21.03	20.92	21.16		
15	36	39		20.94	20.97	21.00		
15	75	0		20.92	21.00	21.07		
15	1	0	64-QAM	20.57	20.75	20.87	24.81	0.3027
15	1	37		20.77	20.96	20.94		
15	1	74		20.86	21.01	20.81		
15	36	0		19.90	20.04	19.92		
15	36	20		19.94	20.06	20.08		
15	36	39		19.93	20.17	20.00		
15	75	0		19.85	19.91	19.95		
15	1	0	256-QAM	17.76	18.27	17.90	22.13	0.1633
15	1	37		17.97	18.15	17.97		
15	1	74		17.85	18.11	17.85		
15	36	0		17.95	18.15	18.07		
15	36	20		17.74	18.14	17.91		
15	36	39		17.81	18.33	18.12		
15	75	0		17.96	18.26	18.05		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.92	23.16	22.96	26.96	0.4966
10	1	25		22.89	23.04	22.94		
10	1	49		22.96	22.88	22.90		
10	25	0		21.86	22.04	21.97		
10	25	12		21.95	21.99	22.01		
10	25	25		21.96	21.97	22.02		
10	50	0		21.92	21.96	22.02		
10	1	0	16-QAM	21.76	21.89	21.98	26.12	0.4093
10	1	25		21.96	22.21	22.32		
10	1	49		21.90	22.02	21.87		
10	25	0		20.71	21.01	20.93		
10	25	12		20.95	20.95	21.06		
10	25	25		20.91	21.13	21.06		
10	50	0		20.90	21.04	21.07		
10	1	0	64-QAM	20.61	20.66	20.85	24.84	0.3048
10	1	25		20.72	21.04	21.00		
10	1	49		20.92	20.97	20.82		
10	25	0		19.91	20.06	19.92		
10	25	12		19.94	19.99	20.16		
10	25	25		20.03	20.03	19.99		
10	50	0		19.97	19.89	20.11		
10	1	0	256-QAM	17.89	18.25	17.98	22.18	0.1652
10	1	25		17.97	18.24	17.91		
10	1	49		17.86	18.09	17.88		
10	25	0		17.92	18.17	18.07		
10	25	12		17.92	18.26	17.98		
10	25	25		17.83	18.38	18.14		
10	50	0		17.80	18.21	17.89		
Limit	EIRP < 2W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.89	23.11	22.87	26.91	0.4909
5	1	12		22.78	22.94	22.99		
5	1	24		23.00	22.87	22.86		
5	12	0		21.81	21.97	21.98		
5	12	7		21.84	21.99	22.00		
5	12	13		21.93	22.03	22.10		
5	25	0		21.97	22.00	21.95		
5	1	0	16-QAM	21.81	21.88	22.05	26.00	0.3981
5	1	12		21.98	22.20	22.19		
5	1	24		21.84	21.88	21.87		
5	12	0		20.74	21.05	20.92		
5	12	7		20.94	21.05	21.01		
5	12	13		20.84	20.98	21.15		
5	25	0		20.83	20.94	21.09		
5	1	0	64-QAM	20.49	20.78	20.83	24.83	0.3041
5	1	12		20.78	21.03	20.93		
5	1	24		20.73	20.96	20.84		
5	12	0		19.84	19.89	19.85		
5	12	7		19.90	19.92	20.14		
5	12	13		19.96	20.05	19.99		
5	25	0		19.98	20.00	20.02		
5	1	0	256-QAM	17.82	18.16	17.94	22.13	0.1633
5	1	12		17.94	18.21	17.98		
5	1	24		17.80	18.14	17.90		
5	12	0		17.89	18.16	17.93		
5	12	7		17.78	18.18	18.08		
5	12	13		17.75	18.33	18.22		
5	25	0		17.84	18.15	18.04		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.96	25.48	25.20	29.28	0.8472
20	1	49		25.30	25.37	25.15		
20	1	99		25.47	25.47	25.18		
20	50	0		22.53	24.48	24.30		
20	50	24		22.72	24.36	24.29		
20	50	50		22.67	24.47	24.18		
20	100	0		22.70	24.37	24.26		
20	1	0	16-QAM	24.04	24.61	24.42	28.63	0.7295
20	1	49		24.83	24.72	24.61		
20	1	99		24.35	24.66	24.45		
20	50	0		22.60	23.37	23.27		
20	50	24		22.66	23.39	23.28		
20	50	50		22.68	23.46	23.19		
20	100	0		22.74	23.35	23.24		
20	1	0	64-QAM	23.58	23.44	23.43	27.38	0.5470
20	1	49		23.57	23.54	23.54		
20	1	99		23.30	23.56	23.29		
20	50	0		22.62	22.32	22.26		
20	50	24		22.72	22.39	22.27		
20	50	50		22.65	22.44	22.19		
20	100	0		22.66	22.36	22.28		
20	1	0	256-QAM	20.16	20.33	20.20	24.25	0.2661
20	1	49		20.36	20.38	20.32		
20	1	99		20.22	20.34	20.24		
20	50	0		20.21	20.38	20.27		
20	50	24		20.26	20.45	20.07		
20	50	50		20.21	20.40	20.17		
20	100	0		20.12	20.30	20.18		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.92	25.40	25.11	29.27	0.8453
15	1	37		25.29	25.32	25.05		
15	1	74		25.47	25.37	25.17		
15	36	0		22.61	24.43	24.26		
15	36	20		22.77	24.33	24.27		
15	36	39		22.70	24.47	24.12		
15	75	0		22.74	24.27	24.18		
15	1	0	16-QAM	24.09	24.60	24.36	28.57	0.7194
15	1	37		24.77	24.65	24.58		
15	1	74		24.44	24.64	24.43		
15	36	0		22.62	23.32	23.27		
15	36	20		22.63	23.33	23.27		
15	36	39		22.58	23.39	23.09		
15	75	0		22.65	23.25	23.23		
15	1	0	64-QAM	23.65	23.44	23.41	27.45	0.5559
15	1	37		23.48	23.47	23.51		
15	1	74		23.21	23.51	23.23		
15	36	0		22.66	22.26	22.16		
15	36	20		22.82	22.35	22.18		
15	36	39		22.58	22.40	22.12		
15	75	0		22.57	22.28	22.25		
15	1	0	256-QAM	20.19	20.32	20.13	24.26	0.2667
15	1	37		20.46	20.32	20.26		
15	1	74		20.17	20.34	20.23		
15	36	0		20.15	20.36	20.17		
15	36	20		20.18	20.41	20.16		
15	36	39		20.31	20.30	20.08		
15	75	0		20.16	20.20	20.18		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.90	25.45	25.14	29.25	0.8414
10	1	25		25.30	25.36	25.05		
10	1	49		25.37	25.41	25.10		
10	25	0		22.60	24.48	24.21		
10	25	12		22.81	24.29	24.21		
10	25	25		22.65	24.40	24.09		
10	50	0		22.63	24.28	24.22		
10	1	0	16-QAM	24.03	24.60	24.36	28.68	0.7379
10	1	25		24.88	24.69	24.60		
10	1	49		24.33	24.60	24.36		
10	25	0		22.51	23.29	23.20		
10	25	12		22.73	23.34	23.25		
10	25	25		22.67	23.45	23.10		
10	50	0		22.79	23.33	23.19		
10	1	0	64-QAM	23.55	23.38	23.41	27.35	0.5433
10	1	25		23.49	23.48	23.48		
10	1	49		23.28	23.50	23.21		
10	25	0		22.64	22.26	22.23		
10	25	12		22.76	22.38	22.22		
10	25	25		22.56	22.41	22.10		
10	50	0		22.68	22.26	22.26		
10	1	0	256-QAM	20.10	20.33	20.18	24.22	0.2642
10	1	25		20.26	20.31	20.31		
10	1	49		20.18	20.34	20.19		
10	25	0		20.31	20.38	20.19		
10	25	12		20.23	20.42	20.02		
10	25	25		20.15	20.37	20.11		
10	50	0		20.09	20.25	20.18		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	25.05	25.44	25.14	29.24	0.8395
5	1	12		25.04	25.27	25.15		
5	1	24		25.14	25.40	25.12		
5	12	0		25.15	24.43	24.25		
5	12	7		23.91	24.31	24.21		
5	12	13		24.29	24.39	24.10		
5	25	0		24.19	24.37	24.17		
5	1	0	16-QAM	24.24	24.61	24.37	28.43	0.6966
5	1	12		24.38	24.63	24.57		
5	1	24		24.44	24.57	24.42		
5	12	0		23.19	23.34	23.27		
5	12	7		23.24	23.31	23.23		
5	12	13		23.25	23.38	23.19		
5	25	0		23.19	23.27	23.24		
5	1	0	64-QAM	23.26	23.44	23.33	27.29	0.5358
5	1	12		23.17	23.45	23.45		
5	1	24		23.20	23.49	23.29		
5	12	0		22.56	22.28	22.23		
5	12	7		22.65	22.31	22.18		
5	12	13		22.66	22.40	22.12		
5	25	0		22.67	22.26	22.27		
5	1	0	256-QAM	20.23	20.29	20.15	24.19	0.2624
5	1	12		20.20	20.38	20.27		
5	1	24		20.32	20.30	20.16		
5	12	0		20.29	20.35	20.27		
5	12	7		20.19	20.39	20.05		
5	12	13		20.30	20.36	20.15		
5	25	0		20.22	20.23	20.10		
Limit	EIRP < 2W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.70	22.76	23.09	28.59	0.7228
20	1	49		22.57	22.75	22.93		
20	1	99		22.69	22.86	22.86		
20	50	0		21.68	21.87	21.94		
20	50	24		21.67	21.80	21.93		
20	50	50		21.65	21.86	21.99		
20	100	0		21.67	21.79	21.92		
20	1	0	16-QAM	21.77	22.10	22.19	27.89	0.6152
20	1	49		21.90	22.16	22.39		
20	1	99		21.93	22.12	22.13		
20	50	0		20.57	20.81	20.95		
20	50	24		20.68	20.80	20.94		
20	50	50		20.70	20.87	20.98		
20	100	0		20.67	20.80	20.92		
20	1	0	64-QAM	20.71	20.88	21.20	26.70	0.4677
20	1	49		20.84	21.04	21.19		
20	1	99		20.91	21.09	21.10		
20	50	0		19.58	19.80	19.96		
20	50	24		19.72	19.81	19.96		
20	50	50		19.69	19.87	20.01		
20	100	0		19.66	19.79	19.95		
20	1	0	256-QAM	17.47	17.56	17.86	23.73	0.2360
20	1	49		17.58	17.75	17.94		
20	1	99		17.90	17.97	18.23		
20	50	0		17.49	17.62	17.94		
20	50	24		17.40	17.60	17.76		
20	50	50		17.60	17.75	17.97		
20	100	0		17.53	17.64	17.79		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.64	22.62	22.91	28.43	0.6966
15	1	37		22.49	22.68	22.93		
15	1	74		22.54	22.77	22.69		
15	36	0		21.61	21.83	21.85		
15	36	20		21.66	21.75	21.83		
15	36	39		21.64	21.76	21.98		
15	75	0		21.67	21.63	21.76		
15	1	0	16-QAM	21.65	22.00	22.09	27.80	0.6026
15	1	37		21.88	22.05	22.30		
15	1	74		21.84	22.07	21.93		
15	36	0		20.57	20.71	20.88		
15	36	20		20.61	20.77	20.77		
15	36	39		20.70	20.72	20.92		
15	75	0		20.56	20.66	20.89		
15	1	0	64-QAM	20.54	20.81	21.10	26.66	0.4634
15	1	37		20.72	20.91	21.16		
15	1	74		20.74	21.04	21.01		
15	36	0		19.42	19.62	19.80		
15	36	20		19.67	19.76	19.83		
15	36	39		19.52	19.70	20.01		
15	75	0		19.59	19.61	19.81		
15	1	0	256-QAM	17.46	17.55	17.78	23.59	0.2286
15	1	37		17.42	17.59	17.78		
15	1	74		17.75	17.86	18.09		
15	36	0		17.42	17.52	17.80		
15	36	20		17.30	17.43	17.74		
15	36	39		17.48	17.70	17.79		
15	75	0		17.34	17.48	17.76		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.62	22.57	22.97	28.47	0.7031
10	1	25		22.44	22.55	22.74		
10	1	49		22.66	22.72	22.68		
10	25	0		21.65	21.83	21.77		
10	25	12		21.58	21.62	21.89		
10	25	25		21.48	21.71	21.97		
10	50	0		21.56	21.65	21.84		
10	1	0	16-QAM	21.71	22.01	22.12	27.73	0.5929
10	1	25		21.70	22.12	22.23		
10	1	49		21.81	22.02	21.99		
10	25	0		20.56	20.72	20.78		
10	25	12		20.57	20.61	20.93		
10	25	25		20.57	20.86	20.80		
10	50	0		20.58	20.62	20.73		
10	1	0	64-QAM	20.69	20.88	21.19	26.69	0.4667
10	1	25		20.83	20.93	21.09		
10	1	49		20.91	20.92	20.92		
10	25	0		19.46	19.62	19.96		
10	25	12		19.62	19.79	19.80		
10	25	25		19.53	19.67	19.92		
10	50	0		19.65	19.75	19.79		
10	1	0	256-QAM	17.29	17.36	17.76	23.65	0.2317
10	1	25		17.39	17.62	17.91		
10	1	49		17.89	17.92	18.15		
10	25	0		17.40	17.60	17.89		
10	25	12		17.25	17.53	17.58		
10	25	25		17.50	17.65	17.97		
10	50	0		17.37	17.63	17.69		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.59	22.57	23.03	28.53	0.7129
5	1	12		22.39	22.55	22.87		
5	1	24		22.67	22.66	22.78		
5	12	0		21.51	21.73	21.75		
5	12	7		21.65	21.66	21.92		
5	12	13		21.52	21.70	21.87		
5	25	0		21.59	21.61	21.92		
5	1	0	16-QAM	21.71	21.98	22.18	27.83	0.6067
5	1	12		21.72	22.08	22.33		
5	1	24		21.78	21.93	22.11		
5	12	0		20.37	20.63	20.81		
5	12	7		20.53	20.72	20.85		
5	12	13		20.65	20.81	20.94		
5	25	0		20.54	20.62	20.87		
5	1	0	64-QAM	20.58	20.84	21.19	26.69	0.4667
5	1	12		20.73	20.89	21.14		
5	1	24		20.91	20.89	21.07		
5	12	0		19.40	19.74	19.76		
5	12	7		19.68	19.76	19.77		
5	12	13		19.50	19.71	19.85		
5	25	0		19.60	19.72	19.77		
5	1	0	256-QAM	17.43	17.47	17.73	23.63	0.2307
5	1	12		17.43	17.66	17.75		
5	1	24		17.87	17.79	18.13		
5	12	0		17.31	17.44	17.86		
5	12	7		17.36	17.56	17.76		
5	12	13		17.46	17.66	17.96		
5	25	0		17.48	17.46	17.69		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.55	22.67	22.96	28.46	0.7015
3	1	8		22.56	22.63	22.79		
3	1	14		22.51	22.85	22.83		
3	8	0		21.65	21.74	21.88		
3	8	4		21.60	21.78	21.80		
3	8	7		21.65	21.69	21.91		
3	15	0		21.58	21.74	21.79		
3	1	0	16-QAM	21.67	22.09	22.12	27.84	0.6081
3	1	8		21.82	21.98	22.34		
3	1	14		21.88	22.01	21.93		
3	8	0		20.45	20.62	20.87		
3	8	4		20.58	20.69	20.81		
3	8	7		20.51	20.68	20.97		
3	15	0		20.63	20.76	20.74		
3	1	0	64-QAM	20.55	20.76	21.07	26.57	0.4539
3	1	8		20.75	20.91	21.01		
3	1	14		20.77	20.99	20.90		
3	8	0		19.48	19.73	19.87		
3	8	4		19.64	19.81	19.77		
3	8	7		19.65	19.79	19.83		
3	15	0		19.52	19.63	19.88		
3	1	0	256-QAM	17.40	17.52	17.68	23.56	0.2270
3	1	8		17.49	17.72	17.84		
3	1	14		17.72	17.80	18.06		
3	8	0		17.47	17.54	17.84		
3	8	4		17.20	17.47	17.76		
3	8	7		17.53	17.57	17.78		
3	15	0		17.52	17.55	17.66		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 5.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.56	22.81	23.03	28.58	0.7211
1.4	1	3		22.57	22.89	23.08		
1.4	1	5		22.55	22.83	23.05		
1.4	3	0		22.60	22.87	23.01		
1.4	3	1		22.61	22.92	23.02		
1.4	3	3		22.60	22.90	23.05		
1.4	6	0		21.59	21.82	22.12		
1.4	1	0	16-QAM	22.03	22.20	22.46	28.01	0.6324
1.4	1	3		21.98	22.27	22.51		
1.4	1	5		21.98	22.26	22.49		
1.4	3	0		21.79	22.01	22.27		
1.4	3	1		21.75	22.06	22.28		
1.4	3	3		21.80	22.08	22.24		
1.4	6	0		20.68	20.92	21.24		
1.4	1	0	64-QAM	20.85	21.03	21.31	26.88	0.4875
1.4	1	3		20.85	21.11	21.38		
1.4	1	5		20.79	21.05	21.38		
1.4	3	0		20.76	20.99	21.20		
1.4	3	1		20.75	21.02	21.25		
1.4	3	3		20.75	21.02	21.21		
1.4	6	0		19.64	19.89	20.15		
1.4	1	0	256-QAM	17.40	17.52	17.68	23.61	0.2296
1.4	1	3		17.42	17.69	17.75		
1.4	1	5		17.76	17.86	18.11		
1.4	3	0		17.37	17.56	17.78		
1.4	3	1		17.26	17.52	17.65		
1.4	3	3		17.42	17.61	17.84		
1.4	6	0		17.42	17.60	17.70		
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.13	23.20	23.31	24.06	0.2547
20	1	49		22.97	23.14	23.21		
20	1	99		23.12	23.19	23.18		
20	50	0		22.23	22.24	22.22		
20	50	24		22.04	22.21	22.18		
20	50	50		22.21	22.21	22.21		
20	100	0		22.14	22.20	22.25		
20	1	0	16-QAM	22.04	22.30	22.34	23.34	0.2158
20	1	49		22.52	22.59	22.44		
20	1	99		22.43	22.34	22.41		
20	50	0		20.96	21.20	21.25		
20	50	24		21.05	21.23	21.19		
20	50	50		21.23	21.21	21.20		
20	100	0		21.17	21.21	21.28		
20	1	0	64-QAM	20.93	21.23	21.31	22.12	0.1629
20	1	49		21.20	21.34	21.34		
20	1	99		21.37	21.30	21.33		
20	50	0		19.91	20.17	20.22		
20	50	24		20.06	20.23	20.20		
20	50	50		20.19	20.23	20.21		
20	100	0		20.15	20.20	20.29		
20	1	0	256-QAM	18.05	18.31	18.33	19.20	0.0832
20	1	49		18.25	18.40	18.35		
20	1	99		18.35	18.45	18.42		
20	50	0		17.91	18.15	18.11		
20	50	24		17.99	18.24	18.33		
20	50	50		18.10	18.21	18.30		
20	100	0		17.96	18.23	18.23		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.99	23.07	23.22	23.97	0.2495
15	1	37		22.80	23.12	23.08		
15	1	74		22.95	23.03	23.15		
15	36	0		22.09	22.19	22.07		
15	36	20		21.98	22.12	22.09		
15	36	39		22.12	22.04	22.09		
15	75	0		21.96	22.02	22.20		
15	1	0	16-QAM	21.84	22.27	22.14	23.28	0.2128
15	1	37		22.39	22.53	22.27		
15	1	74		22.25	22.34	22.24		
15	36	0		20.88	21.17	21.24		
15	36	20		21.03	21.11	21.11		
15	36	39		21.04	21.05	21.13		
15	75	0		21.00	21.10	21.15		
15	1	0	64-QAM	20.80	21.20	21.21	21.98	0.1578
15	1	37		21.04	21.15	21.18		
15	1	74		21.23	21.15	21.18		
15	36	0		19.75	20.09	20.20		
15	36	20		20.00	20.15	20.00		
15	36	39		20.03	20.03	20.13		
15	75	0		20.09	20.09	20.16		
15	1	0	256-QAM	17.95	18.22	18.14	19.19	0.0830
15	1	37		18.17	18.32	18.17		
15	1	74		18.25	18.44	18.36		
15	36	0		17.88	17.95	17.98		
15	36	20		17.98	18.09	18.17		
15	36	39		17.92	18.17	18.29		
15	75	0		17.91	18.07	18.03		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.93	23.17	23.24	23.99	0.2506
10	1	25		22.90	23.08	23.16		
10	1	49		23.09	23.19	23.01		
10	25	0		22.10	22.07	22.12		
10	25	12		21.84	22.12	22.05		
10	25	25		22.15	22.14	22.09		
10	50	0		22.00	22.11	22.15		
10	1	0	16-QAM	21.91	22.20	22.18	23.26	0.2118
10	1	25		22.37	22.51	22.42		
10	1	49		22.38	22.17	22.23		
10	25	0		20.93	21.19	21.15		
10	25	12		20.90	21.07	20.99		
10	25	25		21.14	21.18	21.03		
10	50	0		21.00	21.04	21.18		
10	1	0	64-QAM	20.73	21.09	21.28	22.07	0.1611
10	1	25		21.12	21.19	21.16		
10	1	49		21.32	21.29	21.18		
10	25	0		19.80	20.00	20.18		
10	25	12		20.02	20.11	20.05		
10	25	25		20.08	20.12	20.08		
10	50	0		19.97	20.20	20.28		
10	1	0	256-QAM	18.03	18.26	18.20	19.13	0.0818
10	1	25		18.08	18.32	18.27		
10	1	49		18.19	18.38	18.35		
10	25	0		17.78	17.99	18.04		
10	25	12		17.90	18.11	18.24		
10	25	25		17.96	18.19	18.13		
10	50	0		17.79	18.22	18.21		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.97	23.17	23.19	23.94	0.2477
5	1	12		22.80	22.99	23.13		
5	1	24		23.05	23.14	22.99		
5	12	0		22.03	22.14	22.13		
5	12	7		22.01	22.11	22.08		
5	12	13		22.12	22.15	22.09		
5	25	0		22.10	22.18	22.14		
5	1	0	16-QAM	21.95	22.23	22.18	23.30	0.2138
5	1	12		22.33	22.55	22.29		
5	1	24		22.42	22.30	22.38		
5	12	0		20.84	21.14	21.20		
5	12	7		21.02	21.05	21.09		
5	12	13		21.10	21.10	21.07		
5	25	0		21.05	21.01	21.27		
5	1	0	64-QAM	20.82	21.07	21.30	22.05	0.1603
5	1	12		21.08	21.24	21.23		
5	1	24		21.19	21.15	21.21		
5	12	0		19.71	20.12	20.08		
5	12	7		19.95	20.18	20.15		
5	12	13		20.03	20.12	20.06		
5	25	0		20.09	20.14	20.18		
5	1	0	256-QAM	18.00	18.19	18.24	19.16	0.0824
5	1	12		18.21	18.39	18.30		
5	1	24		18.27	18.27	18.41		
5	12	0		17.83	17.98	18.00		
5	12	7		17.98	18.19	18.13		
5	12	13		18.01	18.21	18.23		
5	25	0		17.96	18.13	18.18		
Limit	ERP < 3W			Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 5.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.51	22.48	22.61	29.84	0.9638
20+20	1	0	1	99		15.78	15.94	15.74		
20+20	1	99	1	0		24.17	24.34	24.28		
20+20	100	0	100	0	16-QAM	21.33	21.51	21.34	29.28	0.8472
20+20	1	0	1	99		16.14	16.33	16.23		
20+20	1	99	1	0		23.44	23.78	23.75		
20+20	100	0	100	0	64-QAM	21.40	21.48	21.36	28.08	0.6427
20+20	1	0	1	99		16.05	16.27	16.09		
20+20	1	99	1	0		22.26	22.07	22.58		
20+20	100	0	100	0	256-QAM	19.38	18.82	19.24	24.97	0.3141
20+20	1	0	1	99		16.02	15.89	16.30		
20+20	1	99	1	0		19.19	19.11	19.47		
20+15	100	0	75	0	QPSK	22.27	22.47	22.20	29.75	0.9441
20+15	1	0	1	74		16.04	15.70	15.75		
20+15	1	74	1	0		24.07	24.25	24.06		
20+15	100	0	75	0	16-QAM	21.28	21.44	21.23	29.12	0.8166
20+15	1	0	1	74		16.24	16.08	16.05		
20+15	1	74	1	0		23.51	23.62	23.45		
20+15	100	0	75	0	64-QAM	21.37	21.43	21.30	27.97	0.6266
20+15	1	0	1	74		15.97	15.82	15.78		
20+15	1	74	1	0		22.00	22.47	22.34		
20+15	100	0	75	0	256-QAM	18.75	18.72	18.53	24.46	0.2793
20+15	1	0	1	74		15.54	15.50	15.32		
20+15	1	74	1	0		18.96	18.88	18.52		
15+20	75	0	100	0	QPSK	22.33	22.47	22.27	29.67	0.9268
15+20	1	0	1	99		15.91	15.79	15.75		
15+20	1	74	1	0		24.17	24.12	24.07		
15+20	75	0	100	0	16-QAM	21.37	21.47	21.17	29.04	0.8017
15+20	1	0	1	99		16.21	16.21	15.95		
15+20	1	74	1	0		23.54	23.47	23.41		
15+20	75	0	100	0	64-QAM	21.38	21.45	21.32	27.96	0.6252
15+20	1	0	1	99		16.04	15.79	16.16		
15+20	1	74	1	0		22.25	22.01	22.46		
15+20	75	0	100	0	256-QAM	18.92	18.69	18.67	24.44	0.2780
15+20	1	0	1	99		15.60	15.58	15.48		
15+20	1	74	1	0		18.94	18.88	18.68		
Limit	EIRP < 2W					Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 5.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	22.31	22.48	22.34	29.69	0.9311
20+10	1	0	1	49		15.84	15.79	15.82		
20+10	1	99	1	0		24.14	24.19	24.11		
20+10	100	0	50	0	16-QAM	21.37	21.46	21.30	29.33	0.8570
20+10	1	0	1	49		16.11	16.20	15.96		
20+10	1	99	1	0		23.25	23.83	23.48		
20+10	100	0	50	0	64-QAM	21.31	21.41	21.27	27.94	0.6223
20+10	1	0	1	49		16.14	16.07	16.15		
20+10	1	99	1	0		22.27	22.44	21.68		
20+10	100	0	50	0	256-QAM	18.83	18.59	18.65	24.40	0.2754
20+10	1	0	1	49		16.00	15.58	15.33		
20+10	1	99	1	0		18.90	18.76	18.81		
10+20	50	0	100	0	QPSK	22.33	22.47	22.27	29.69	0.9311
10+20	1	0	1	99		15.88	15.75	15.89		
10+20	1	49	1	0		24.18	24.18	24.19		
10+20	50	0	100	0	16-QAM	21.34	21.46	21.31	29.14	0.8204
10+20	1	0	1	99		16.28	15.97	16.12		
10+20	1	49	1	0		23.47	23.64	23.43		
10+20	50	0	100	0	64-QAM	21.38	21.35	21.29	28.13	0.6501
10+20	1	0	1	99		15.93	16.20	16.18		
10+20	1	49	1	0		22.63	22.27	22.56		
10+20	50	0	100	0	256-QAM	18.83	18.62	18.69	24.33	0.2710
10+20	1	0	1	99		15.62	15.48	15.52		
10+20	1	49	1	0		18.82	18.66	18.69		
20+5	100	0	25	0	QPSK	22.31	22.35	22.26	30.31	1.0740
20+5	1	0	1	24		15.83	15.83	15.69		
20+5	1	99	1	0		24.81	24.27	24.05		
20+5	100	0	25	0	16-QAM	21.22	21.40	21.26	29.13	0.8185
20+5	1	0	1	24		16.31	16.33	15.94		
20+5	1	99	1	0		23.56	23.63	23.48		
20+5	100	0	25	0	64-QAM	21.36	21.49	21.22	27.75	0.5957
20+5	1	0	1	24		15.98	15.95	15.99		
20+5	1	99	1	0		22.25	22.25	21.53		
20+5	100	0	25	0	256-QAM	18.84	18.53	18.61	24.43	0.2773
20+5	1	0	1	24		15.48	15.52	15.36		
20+5	1	99	1	0		18.93	18.91	18.75		
Limit	EIRP < 2W					Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 5.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	22.27	22.39	22.30	29.75	0.9441
5+20	1	0	1	99		15.90	15.82	15.71		
5+20	1	24	1	0		24.25	24.15	24.19		
5+20	25	0	100	0	16-QAM	21.41	21.45	21.27	29.12	0.8166
5+20	1	0	1	99		16.28	16.12	16.03		
5+20	1	24	1	0		23.52	23.51	23.62		
5+20	25	0	100	0	64-QAM	21.37	21.46	21.26	28.06	0.6397
5+20	1	0	1	99		16.04	15.84	15.98		
5+20	1	24	1	0		22.56	22.30	22.36		
5+20	25	0	100	0	256-QAM	18.85	18.63	18.65	24.59	0.2877
5+20	1	0	1	99		15.80	15.68	15.45		
5+20	1	24	1	0		19.09	18.89	18.71		
Limit	EIRP < 2W					Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 5.9 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	50	0	QPSK	22.27	22.42	22.14	30.32	1.0765
15+10	1	0	1	49		15.89	15.77	15.78		
15+10	1	74	1	0		24.82	24.76	24.15		
15+10	75	0	50	0	16-QAM	21.29	21.44	21.23	29.20	0.8318
15+10	1	0	1	49		16.10	15.96	16.00		
15+10	1	74	1	0		23.59	23.70	23.42		
15+10	75	0	50	0	64-QAM	21.24	21.44	21.16	27.92	0.6194
15+10	1	0	1	49		16.04	15.99	15.89		
15+10	1	74	1	0		22.33	22.42	21.78		
15+10	75	0	50	0	256-QAM	18.67	18.70	18.54	24.41	0.2761
15+10	1	0	1	49		15.26	15.33	14.91		
15+10	1	74	1	0		18.91	18.76	18.61		
10+15	50	0	75	0	QPSK	22.38	22.46	22.25	29.72	0.9376
10+15	1	0	1	74		15.81	15.83	15.80		
10+15	1	49	1	0		24.13	24.22	23.89		
10+15	50	0	75	0	16-QAM	21.41	21.42	21.22	29.14	0.8204
10+15	1	0	1	74		16.37	16.24	16.17		
10+15	1	49	1	0		23.50	23.64	23.46		
10+15	50	0	75	0	64-QAM	21.42	21.49	21.17	28.02	0.6339
10+15	1	0	1	74		16.05	16.10	16.15		
10+15	1	49	1	0		22.52	22.10	22.11		
10+15	50	0	75	0	256-QAM	18.83	18.73	18.54	24.33	0.2710
10+15	1	0	1	74		15.52	15.48	15.25		
10+15	1	49	1	0		18.83	18.76	18.77		
15+15	75	0	75	0	QPSK	22.41	22.44	22.27	29.67	0.9268
15+15	1	0	1	74		15.86	15.77	15.89		
15+15	1	74	1	0		24.16	24.17	24.02		
15+15	75	0	75	0	16-QAM	21.41	21.45	21.28	29.08	0.8091
15+15	1	0	1	74		16.19	16.14	15.93		
15+15	1	74	1	0		23.55	23.58	23.42		
15+15	75	0	75	0	64-QAM	21.37	21.40	21.21	27.93	0.6209
15+15	1	0	1	74		16.18	16.04	16.08		
15+15	1	74	1	0		22.43	22.05	22.21		
15+15	75	0	75	0	256-QAM	18.79	18.69	18.54	24.41	0.2761
15+15	1	0	1	74		15.49	15.51	14.64		
15+15	1	74	1	0		18.91	18.88	18.64		
Limit	EIRP < 2W					Result			Pass	



LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	21.92	21.96	21.95	25.16	0.3281
10+10	1	0	1	49		13.44	13.47	13.48		
10+10	1	49	1	0		23.72	23.81	23.61		
10+10	50	0	50	0	16-QAM	20.99	20.92	20.95	24.60	0.2884
10+10	1	0	1	49		13.73	13.75	13.74		
10+10	1	49	1	0		23.25	23.22	23.22		
10+10	50	0	50	0	64-QAM	20.97	20.96	20.99	23.34	0.2158
10+10	1	0	1	49		13.63	13.77	13.69		
10+10	1	49	1	0		21.96	21.99	21.96		
10+10	50	0	50	0	256-QAM	18.38	18.44	18.40	19.90	0.0977
10+10	1	0	1	49		13.03	13.08	13.06		
10+10	1	49	1	0		18.47	18.55	18.44		
10+5	50	0	25	0	QPSK	21.96	21.93	21.84	25.23	0.3334
10+5	1	0	1	24		13.92	13.94	13.91		
10+5	1	49	1	0		23.82	23.68	23.88		
10+5	50	0	25	0	16-QAM	20.95	20.82	20.95	24.56	0.2858
10+5	1	0	1	24		14.24	14.32	14.14		
10+5	1	49	1	0		23.21	23.08	23.14		
10+5	50	0	25	0	64-QAM	20.96	20.98	20.92	23.47	0.2223
10+5	1	0	1	24		14.19	14.15	14.24		
10+5	1	49	1	0		22.04	22.12	22.02		
10+5	50	0	25	0	256-QAM	18.40	18.36	18.27	19.96	0.0991
10+5	1	0	1	24		13.69	13.66	13.68		
10+5	1	49	1	0		18.58	18.61	18.49		
5+10	25	0	50	0	QPSK	21.94	21.91	21.91	25.23	0.3334
5+10	1	0	1	49		13.92	13.88	13.90		
5+10	1	24	1	0		23.81	23.88	23.88		
5+10	25	0	50	0	16-QAM	21.01	20.94	20.95	24.63	0.2904
5+10	1	0	1	49		14.18	14.21	14.26		
5+10	1	24	1	0		23.11	23.28	23.13		
5+10	25	0	50	0	64-QAM	21.02	20.92	20.92	23.68	0.2333
5+10	1	0	1	49		13.94	14.16	14.30		
5+10	1	24	1	0		22.33	22.25	22.17		
5+10	25	0	50	0	256-QAM	18.39	18.44	18.38	20.02	0.1005
5+10	1	0	1	49		13.55	13.52	13.61		
5+10	1	24	1	0		18.46	18.51	18.67		
Limit	ERP < 7W					Result			Pass	



LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+3	25	0	15	0	QPSK	23.98	24.04	23.96	25.39	0.3459
5+3	1	0	1	14		13.99	14.02	14.03		
5+3	1	24	1	0		23.88	23.90	23.94		
5+3	25	0	15	0	16-QAM	24.06	24.02	23.77	25.72	0.3733
5+3	1	0	1	14		14.50	14.35	14.39		
5+3	1	24	1	0		24.12	24.37	23.44		
5+3	25	0	15	0	64-QAM	23.28	23.04	22.92	24.63	0.2904
5+3	1	0	1	14		14.23	14.25	14.29		
5+3	1	24	1	0		22.37	23.09	22.44		
5+3	25	0	15	0	256-QAM	21.44	21.24	20.97	22.79	0.1901
5+3	1	0	1	14		13.77	13.75	13.74		
5+3	1	24	1	0		21.30	20.48	20.34		
3+5	15	0	25	0	QPSK	23.97	24.05	24.11	25.46	0.3516
3+5	1	0	1	24		14.02	14.07	14.02		
3+5	1	14	1	0		23.87	23.98	23.87		
3+5	15	0	25	0	16-QAM	24.09	23.88	24.00	25.86	0.3855
3+5	1	0	1	24		14.30	14.40	14.38		
3+5	1	14	1	0		24.51	24.41	23.57		
3+5	15	0	25	0	64-QAM	23.31	23.02	23.09	24.84	0.3048
3+5	1	0	1	24		14.24	14.29	14.17		
3+5	1	14	1	0		23.49	23.48	22.96		
3+5	15	0	25	0	256-QAM	21.54	21.12	21.16	22.89	0.1945
3+5	1	0	1	24		13.70	13.62	13.77		
3+5	1	14	1	0		21.47	21.50	21.07		
Limit	ERP < 7W					Result			Pass	



LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	20.44	20.40	20.85	28.22	0.6637
10+10	1	0	1	49		13.21	13.42	13.57		
10+10	1	49	1	0		22.33	22.48	22.72		
10+10	50	0	50	0	16-QAM	19.37	19.10	19.85	27.71	0.5902
10+10	1	0	1	49		13.60	13.67	13.84		
10+10	1	49	1	0		21.56	21.51	22.21		
10+10	50	0	50	0	64-QAM	19.33	19.26	19.87	25.91	0.3899
10+10	1	0	1	49		13.44	13.84	13.80		
10+10	1	49	1	0		20.35	20.41	20.28		
10+10	50	0	50	0	256-QAM	17.07	16.57	17.55	23.05	0.2018
10+10	1	0	1	49		13.35	13.58	13.67		
10+10	1	49	1	0		16.77	16.89	17.43		
15+5	75	0	25	0	QPSK	19.88	20.61	20.43	28.24	0.6668
15+5	1	0	1	24		19.83	22.05	20.73		
15+5	1	74	1	0		22.70	22.74	22.26		
15+5	75	0	25	0	16-QAM	18.72	19.00	19.28	27.69	0.5875
15+5	1	0	1	24		22.19	21.85	21.03		
15+5	1	74	1	0		21.76	21.55	21.61		
15+5	75	0	25	0	64-QAM	18.69	18.92	19.29	27.83	0.6067
15+5	1	0	1	24		22.19	22.33	20.75		
15+5	1	74	1	0		20.48	20.61	19.97		
15+5	75	0	25	0	256-QAM	16.48	16.48	17.02	27.55	0.5689
15+5	1	0	1	24		22.00	22.05	20.54		
15+5	1	74	1	0		17.09	17.21	17.14		
5+15	25	0	75	0	QPSK	21.54	21.74	21.88	29.31	0.8531
5+15	1	0	1	74		22.42	23.41	23.05		
5+15	1	24	1	0		23.56	23.73	23.81		
5+15	25	0	75	0	16-QAM	20.61	20.81	20.93	28.65	0.7328
5+15	1	0	1	74		22.48	22.52	22.96		
5+15	1	24	1	0		23.08	23.15	23.09		
5+15	25	0	75	0	64-QAM	20.59	20.82	20.84	28.47	0.7031
5+15	1	0	1	74		22.47	22.71	22.97		
5+15	1	24	1	0		21.66	21.72	22.13		
5+15	25	0	75	0	256-QAM	18.54	18.72	18.86	28.41	0.6934
5+15	1	0	1	74		22.31	22.42	22.91		
5+15	1	24	1	0		18.71	18.86	18.92		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+5	50	0	25	0	QPSK	21.66	21.65	21.87	29.50	0.8913
10+5	1	0	1	24		13.46	13.50	13.79		
10+5	1	49	1	0		23.48	23.96	24.00		
10+5	50	0	25	0	16-QAM	20.68	20.50	20.90	28.72	0.7447
10+5	1	0	1	24		13.81	13.66	14.19		
10+5	1	49	1	0		23.03	22.95	23.22		
10+5	50	0	25	0	64-QAM	20.59	20.60	20.86	27.25	0.5309
10+5	1	0	1	24		13.74	13.68	14.03		
10+5	1	49	1	0		21.64	21.52	21.75		
10+5	50	0	25	0	256-QAM	18.64	18.42	18.86	24.77	0.2999
10+5	1	0	1	24		13.78	13.68	14.01		
10+5	1	49	1	0		18.94	19.19	19.27		
5+10	25	0	50	0	QPSK	21.60	21.73	21.90	29.44	0.8790
5+10	1	0	1	49		13.57	13.80	13.91		
5+10	1	24	1	0		23.58	23.75	23.94		
5+10	25	0	50	0	16-QAM	20.65	20.82	20.92	28.49	0.7063
5+10	1	0	1	49		13.96	14.05	14.24		
5+10	1	24	1	0		22.92	22.86	22.99		
5+10	25	0	50	0	64-QAM	20.67	20.75	20.89	27.45	0.5559
5+10	1	0	1	49		13.78	13.85	14.02		
5+10	1	24	1	0		21.81	21.95	21.68		
5+10	25	0	50	0	256-QAM	18.61	18.87	18.88	24.63	0.2904
5+10	1	0	1	49		13.56	13.62	13.96		
5+10	1	24	1	0		18.79	18.86	19.13		
5+5	25	0	25	0	QPSK	21.63	21.86	21.95	27.45	0.5559
5+5	1	0	1	24		15.05	15.36	15.55		
5+5	1	24	1	0		15.19	15.45	15.47		
5+5	25	0	25	0	16-QAM	20.71	20.95	21.03	26.53	0.4498
5+5	1	0	1	24		15.40	15.58	15.67		
5+5	1	24	1	0		15.56	15.62	15.71		
5+5	25	0	25	0	64-QAM	20.72	20.95	21.03	26.53	0.4498
5+5	1	0	1	24		15.45	15.62	15.68		
5+5	1	24	1	0		15.51	15.72	15.65		
5+5	25	0	25	0	256-QAM	18.68	18.89	18.97	24.47	0.2799
5+5	1	0	1	24		15.20	15.33	15.54		
5+5	1	24	1	0		15.36	15.42	15.60		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.78	22.10	21.94	29.36	0.8630
20+20	1	0	1	99		15.26	15.54	15.52		
20+20	1	99	1	0		23.76	23.86	23.86		
20+20	100	0	100	0	16-QAM	20.86	21.21	21.06	29.17	0.8260
20+20	1	0	1	99		15.53	15.90	15.97		
20+20	1	99	1	0		23.23	23.67	23.39		
20+20	100	0	100	0	64-QAM	20.78	21.22	21.09	28.21	0.6622
20+20	1	0	1	99		15.54	15.39	15.67		
20+20	1	99	1	0		22.05	22.71	22.21		
20+20	100	0	100	0	256-QAM	18.92	19.01	18.98	24.70	0.2951
20+20	1	0	1	99		15.48	15.55	15.29		
20+20	1	99	1	0		18.92	19.01	19.20		
20+15	100	0	75	0	QPSK	21.85	22.09	22.02	29.38	0.8670
20+15	1	0	1	74		15.27	15.54	15.70		
20+15	1	74	1	0		23.74	23.88	23.87		
20+15	100	0	75	0	16-QAM	20.81	21.17	21.04	28.99	0.7925
20+15	1	0	1	74		15.67	15.81	16.09		
20+15	1	74	1	0		23.01	23.44	23.49		
20+15	100	0	75	0	64-QAM	20.78	21.27	21.04	27.80	0.6026
20+15	1	0	1	74		15.55	15.45	15.64		
20+15	1	74	1	0		21.89	22.23	22.30		
20+15	100	0	75	0	256-QAM	18.83	19.01	19.09	24.80	0.3020
20+15	1	0	1	74		15.37	15.41	15.41		
20+15	1	74	1	0		19.11	18.98	19.30		
15+20	75	0	100	0	QPSK	21.77	22.14	21.97	29.38	0.8670
15+20	1	0	1	99		15.26	15.38	15.53		
15+20	1	74	1	0		23.67	23.88	23.85		
15+20	75	0	100	0	16-QAM	20.86	21.24	21.06	28.89	0.7745
15+20	1	0	1	99		15.55	15.76	15.89		
15+20	1	74	1	0		23.14	23.39	23.36		
15+20	75	0	100	0	64-QAM	20.76	21.22	21.02	27.77	0.5984
15+20	1	0	1	99		15.45	15.58	15.71		
15+20	1	74	1	0		21.82	22.27	22.21		
15+20	75	0	100	0	256-QAM	18.83	18.97	19.00	24.57	0.2864
15+20	1	0	1	99		15.57	15.51	15.78		
15+20	1	74	1	0		18.88	18.92	19.07		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	21.80	21.99	22.02	29.46	0.8831
20+10	1	0	1	49		15.29	15.52	15.61		
20+10	1	99	1	0		23.71	23.85	23.96		
20+10	100	0	50	0	16-QAM	20.87	21.03	21.04	28.92	0.7798
20+10	1	0	1	49		15.69	15.83	15.70		
20+10	1	99	1	0		23.24	23.42	23.20		
20+10	100	0	50	0	64-QAM	20.78	21.00	21.03	27.74	0.5943
20+10	1	0	1	49		15.58	15.61	15.63		
20+10	1	99	1	0		22.06	22.24	21.90		
20+10	100	0	50	0	256-QAM	18.84	18.97	19.06	24.57	0.2864
20+10	1	0	1	49		15.76	15.68	15.80		
20+10	1	99	1	0		18.82	18.76	19.07		
10+20	50	0	100	0	QPSK	21.95	22.26	22.16	29.69	0.9311
10+20	1	0	1	99		15.51	15.76	15.72		
10+20	1	49	1	0		23.93	24.19	24.04		
10+20	50	0	100	0	16-QAM	21.01	21.33	21.15	29.34	0.8590
10+20	1	0	1	99		15.89	16.27	16.03		
10+20	1	49	1	0		23.51	23.84	23.56		
10+20	50	0	100	0	64-QAM	20.98	21.27	21.07	27.97	0.6266
10+20	1	0	1	99		15.83	15.88	16.02		
10+20	1	49	1	0		22.01	22.47	22.38		
10+20	50	0	100	0	256-QAM	18.78	18.94	19.03	24.81	0.3027
10+20	1	0	1	99		15.50	15.48	15.86		
10+20	1	49	1	0		18.77	18.66	19.31		
20+5	100	0	25	0	QPSK	21.76	22.26	22.15	29.47	0.8851
20+5	1	0	1	24		15.25	15.51	15.69		
20+5	1	99	1	0		23.73	23.95	23.97		
20+5	100	0	25	0	16-QAM	20.85	21.28	21.12	28.98	0.7907
20+5	1	0	1	24		15.78	15.96	15.93		
20+5	1	99	1	0		23.27	23.38	23.48		
20+5	100	0	25	0	64-QAM	20.74	21.27	21.03	27.91	0.6180
20+5	1	0	1	24		15.38	15.74	15.78		
20+5	1	99	1	0		22.20	22.41	22.23		
20+5	100	0	25	0	256-QAM	18.89	18.95	19.09	24.61	0.2891
20+5	1	0	1	24		15.40	15.48	15.87		
20+5	1	99	1	0		19.03	19.05	19.11		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.72	22.21	21.97	29.44	0.8790
5+20	1	0	1	99		15.17	15.50	15.57		
5+20	1	24	1	0		23.59	23.94	23.86		
5+20	25	0	100	0	16-QAM	20.76	21.12	21.03	28.97	0.7889
5+20	1	0	1	99		15.66	15.76	15.97		
5+20	1	24	1	0		23.21	23.16	23.47		
5+20	25	0	100	0	64-QAM	20.75	21.21	21.01	27.78	0.5998
5+20	1	0	1	99		15.39	15.73	15.85		
5+20	1	24	1	0		22.02	22.01	22.28		
5+20	25	0	100	0	256-QAM	18.78	18.94	18.90	24.53	0.2838
5+20	1	0	1	99		15.47	15.52	15.74		
5+20	1	24	1	0		18.93	18.76	19.03		
Limit	EIRP < 1W					Result			Pass	



LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 5.5 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	50	0	QPSK	21.92	21.92	22.31	29.61	0.9141
15+10	1	0	1	49		15.46	15.70	15.94		
15+10	1	74	1	0		23.94	24.11	24.10		
15+10	75	0	50	0	16-QAM	20.98	20.89	21.34	29.07	0.8072
15+10	1	0	1	49		15.83	16.08	16.17		
15+10	1	74	1	0		23.40	23.57	23.42		
15+10	75	0	50	0	64-QAM	20.99	20.85	21.30	27.91	0.6180
15+10	1	0	1	49		15.66	15.94	15.96		
15+10	1	74	1	0		22.15	22.41	21.58		
15+10	75	0	50	0	256-QAM	18.81	18.95	19.12	24.62	0.2897
15+10	1	0	1	49		15.26	15.28	15.78		
15+10	1	74	1	0		19.02	19.01	19.00		
10+15	50	0	75	0	QPSK	21.94	22.07	22.21	29.63	0.9183
10+15	1	0	1	74		15.36	15.73	15.88		
10+15	1	49	1	0		23.80	23.96	24.13		
10+15	50	0	75	0	16-QAM	20.87	21.20	21.22	29.03	0.7998
10+15	1	0	1	74		15.74	16.18	16.12		
10+15	1	49	1	0		23.39	23.46	23.53		
10+15	50	0	75	0	64-QAM	20.78	21.08	21.14	27.76	0.5970
10+15	1	0	1	74		15.66	15.86	16.15		
10+15	1	49	1	0		22.12	22.26	22.00		
10+15	50	0	75	0	256-QAM	18.75	18.98	19.06	24.75	0.2985
10+15	1	0	1	74		15.43	15.52	15.86		
10+15	1	49	1	0		18.88	18.92	19.25		
15+15	75	0	75	0	QPSK	21.73	22.14	22.03	29.43	0.8770
15+15	1	0	1	74		15.28	15.45	15.65		
15+15	1	74	1	0		23.73	23.91	23.93		
15+15	75	0	75	0	16-QAM	20.80	21.22	21.11	28.85	0.7674
15+15	1	0	1	74		15.56	15.78	15.73		
15+15	1	74	1	0		23.10	23.35	23.20		
15+15	75	0	75	0	64-QAM	20.79	21.11	21.03	27.59	0.5741
15+15	1	0	1	74		15.43	15.70	15.74		
15+15	1	74	1	0		21.91	22.09	21.99		
15+15	75	0	75	0	256-QAM	18.83	18.96	19.05	24.55	0.2851
15+15	1	0	1	74		15.39	15.42	15.79		
15+15	1	74	1	0		19.04	19.01	19.00		
Limit	EIRP < 1W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.19	22.15	22.29	27.92	0.6194
20+20	1	0	1	99		15.60	15.61	15.78		
20+20	1	99	1	0		24.12	23.94	24.07		
20+20	100	0	100	0	16-QAM	21.17	21.20	21.35	27.43	0.5534
20+20	1	0	1	99		16.03	16.23	15.92		
20+20	1	99	1	0		23.51	23.33	23.63		
20+20	100	0	100	0	64-QAM	21.25	21.23	21.29	25.57	0.3606
20+20	1	0	1	99		15.82	15.64	16.00		
20+20	1	99	1	0		21.77	21.23	20.87		
20+20	100	0	100	0	256-QAM	18.07	18.17	18.07	21.97	0.1574
20+20	1	0	1	99		14.41	14.57	14.57		
20+20	1	99	1	0		18.10	18.08	18.08		
20+15	100	0	75	0	QPSK	22.22	22.28	22.38	28.62	0.7278
20+15	1	0	1	74		15.77	15.69	15.83		
20+15	1	99	1	0		24.82	24.00	24.30		
20+15	100	0	75	0	16-QAM	21.27	21.25	21.27	27.45	0.5559
20+15	1	0	1	74		15.96	16.26	16.18		
20+15	1	99	1	0		23.31	23.42	23.65		
20+15	100	0	75	0	64-QAM	21.25	21.32	21.24	25.12	0.3251
20+15	1	0	1	74		15.94	16.09	15.85		
20+15	1	99	1	0		20.86	20.84	20.53		
20+15	100	0	75	0	256-QAM	18.06	18.10	18.19	22.19	0.1656
20+15	1	0	1	74		14.69	14.69	14.75		
20+15	1	99	1	0		18.06	18.15	18.39		
15+20	75	0	100	0	QPSK	22.08	22.09	22.26	28.00	0.6310
15+20	1	0	1	99		15.75	15.80	15.75		
15+20	1	74	1	0		23.80	23.89	24.20		
15+20	75	0	100	0	16-QAM	21.22	21.22	21.30	27.37	0.5458
15+20	1	0	1	99		16.08	15.79	15.96		
15+20	1	74	1	0		23.28	23.37	23.57		
15+20	75	0	100	0	64-QAM	21.21	21.13	21.28	25.16	0.3281
15+20	1	0	1	99		15.86	15.98	15.98		
15+20	1	74	1	0		21.36	21.07	20.94		
15+20	75	0	100	0	256-QAM	18.05	18.09	18.14	22.07	0.1611
15+20	1	0	1	99		14.80	14.72	14.78		
15+20	1	74	1	0		18.11	18.04	18.27		
Limit	EIRP < 2W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	75	0	QPSK	22.17	22.20	22.45	28.02	0.6339
20+10	1	0	1	74		15.72	15.89	15.72		
20+10	1	99	1	0		24.03	24.09	24.22		
20+10	100	0	75	0	16-QAM	21.31	21.30	21.32	27.52	0.5649
20+10	1	0	1	74		16.03	16.26	16.36		
20+10	1	99	1	0		23.35	23.57	23.72		
20+10	100	0	75	0	64-QAM	21.23	21.17	21.34	25.97	0.3954
20+10	1	0	1	74		15.69	15.97	16.10		
20+10	1	99	1	0		22.17	21.31	21.52		
20+10	100	0	75	0	256-QAM	18.09	18.08	18.25	22.18	0.1652
20+10	1	0	1	74		14.75	14.85	14.87		
20+10	1	99	1	0		18.29	18.38	18.33		
10+20	75	0	100	0	QPSK	22.11	22.11	22.25	27.81	0.6039
10+20	1	0	1	99		15.73	15.82	15.93		
10+20	1	74	1	0		23.88	23.92	24.01		
10+20	75	0	100	0	16-QAM	21.23	21.19	21.24	27.43	0.5534
10+20	1	0	1	99		16.13	16.06	15.95		
10+20	1	74	1	0		23.37	23.31	23.63		
10+20	75	0	100	0	64-QAM	21.17	20.95	21.40	25.32	0.3404
10+20	1	0	1	99		16.01	16.07	16.05		
10+20	1	74	1	0		21.52	20.87	21.16		
10+20	75	0	100	0	256-QAM	18.01	18.15	18.13	22.06	0.1607
10+20	1	0	1	99		14.77	14.78	14.73		
10+20	1	74	1	0		18.22	18.24	18.26		
15+15	75	0	100	0	QPSK	22.13	22.20	22.32	28.28	0.6730
15+15	1	0	1	99		15.61	15.61	15.74		
15+15	1	74	1	0		24.11	24.48	24.24		
15+15	75	0	100	0	16-QAM	21.18	21.27	21.33	27.35	0.5433
15+15	1	0	1	99		15.91	15.98	16.23		
15+15	1	74	1	0		23.49	23.11	23.55		
15+15	75	0	100	0	64-QAM	21.30	21.12	21.32	25.34	0.3420
15+15	1	0	1	99		16.08	15.85	16.11		
15+15	1	74	1	0		21.54	20.46	20.89		
15+15	75	0	100	0	256-QAM	18.02	18.10	18.15	22.03	0.1596
15+15	1	0	1	99		14.52	14.62	14.80		
15+15	1	74	1	0		18.23	17.99	18.23		
Limit	EIRP < 2W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	100	0	QPSK	22.14	21.82	22.23	27.94	0.6223
15+10	1	0	1	99		15.68	15.19	15.89		
15+10	1	74	1	0		23.80	23.94	24.14		
15+10	75	0	100	0	16-QAM	20.93	21.08	21.32	27.46	0.5572
15+10	1	0	1	99		15.97	15.81	16.21		
15+10	1	74	1	0		23.24	23.31	23.66		
15+10	75	0	100	0	64-QAM	20.82	20.95	21.27	25.42	0.3483
15+10	1	0	1	99		15.84	15.74	16.16		
15+10	1	74	1	0		21.62	21.16	20.55		
15+10	75	0	100	0	256-QAM	18.03	18.10	18.27	22.10	0.1622
15+10	1	0	1	99		14.83	14.76	14.80		
15+10	1	74	1	0		18.11	18.19	18.30		
Limit	EIRP < 2W					Result			Pass	



LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.39	21.49	21.53	27.44	0.5546
20+20	1	0	1	99		14.84	14.81	14.87		
20+20	1	99	1	0		23.25	23.64	23.53		
20+20	100	0	100	0	16-QAM	20.49	20.51	20.52	26.91	0.4909
20+20	1	0	1	99		15.25	15.49	15.20		
20+20	1	99	1	0		22.86	22.82	23.11		
20+20	100	0	100	0	64-QAM	20.44	20.48	20.54	25.69	0.3707
20+20	1	0	1	99		15.11	15.39	15.33		
20+20	1	99	1	0		21.81	21.83	21.89		
20+20	100	0	100	0	256-QAM	18.43	18.54	18.52	22.59	0.1816
20+20	1	0	1	99		14.99	15.04	15.27		
20+20	1	99	1	0		18.79	18.75	18.53		
15+15	75	0	75	0	QPSK	21.40	21.49	21.54	27.36	0.5445
15+15	1	0	1	74		14.81	14.88	14.98		
15+15	1	74	1	0		23.38	23.52	23.56		
15+15	75	0	75	0	16-QAM	20.42	20.53	20.59	26.77	0.4753
15+15	1	0	1	74		15.33	15.38	15.47		
15+15	1	74	1	0		22.92	22.86	22.97		
15+15	75	0	75	0	64-QAM	20.42	20.53	20.58	25.74	0.3750
15+15	1	0	1	74		15.25	15.41	15.53		
15+15	1	74	1	0		21.79	21.87	21.94		
15+15	75	0	75	0	256-QAM	18.40	18.47	18.52	22.65	0.1841
15+15	1	0	1	74		14.98	15.24	15.14		
15+15	1	74	1	0		18.77	18.85	18.73		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	23.57	23.83	24.35	29.99	0.9977
20+20	1	0	1	99		17.42	17.69	17.74		
20+20	1	99	1	0		25.82	26.19	25.74		
20+20	100	0	100	0	16-QAM	23.10	22.80	23.37	29.05	0.8035
20+20	1	0	1	99		17.91	17.85	18.29		
20+20	1	99	1	0		25.15	24.81	25.25		
20+20	100	0	100	0	64-QAM	23.16	22.83	23.08	28.29	0.6745
20+20	1	0	1	99		17.88	17.65	18.19		
20+20	1	99	1	0		24.49	24.21	24.22		
20+20	100	0	100	0	256-QAM	21.06	20.81	21.32	25.20	0.3311
20+20	1	0	1	99		17.51	17.54	18.11		
20+20	1	99	1	0		21.12	21.02	21.40		
20+15	100	0	75	0	QPSK	23.47	23.77	24.26	30.04	1.0093
20+15	1	0	1	74		17.35	17.74	17.68		
20+15	1	99	1	0		25.77	26.24	25.81		
20+15	100	0	75	0	16-QAM	23.15	22.79	23.28	28.95	0.7852
20+15	1	0	1	74		18.00	17.82	18.16		
20+15	1	99	1	0		25.05	24.86	25.15		
20+15	100	0	75	0	64-QAM	23.25	22.80	23.03	28.35	0.6839
20+15	1	0	1	74		17.86	17.95	18.18		
20+15	1	99	1	0		24.55	24.28	24.16		
20+15	100	0	75	0	256-QAM	20.99	20.77	21.22	25.02	0.3177
20+15	1	0	1	74		17.55	17.43	18.07		
20+15	1	99	1	0		21.11	21.11	20.93		
15+20	75	0	100	0	QPSK	23.57	23.83	24.27	29.98	0.9954
15+20	1	0	1	99		17.49	17.77	17.67		
15+20	1	74	1	0		25.86	26.18	26.06		
15+20	75	0	100	0	16-QAM	23.02	22.70	23.24	29.00	0.7943
15+20	1	0	1	99		17.99	17.85	18.29		
15+20	1	74	1	0		25.14	24.85	25.20		
15+20	75	0	100	0	64-QAM	23.10	22.79	23.05	28.26	0.6699
15+20	1	0	1	99		17.85	17.65	18.22		
15+20	1	74	1	0		24.46	24.01	24.33		
15+20	75	0	100	0	256-QAM	21.05	20.78	21.25	25.08	0.3221
15+20	1	0	1	99		17.42	17.48	17.98		
15+20	1	74	1	0		21.07	21.08	21.28		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	23.54	23.82	24.21	30.01	1.0023
20+10	1	0	1	49		17.41	17.81	17.65		
20+10	1	99	1	0		25.80	26.21	25.91		
20+10	100	0	50	0	16-QAM	23.04	22.80	23.21	29.04	0.8017
20+10	1	0	1	49		17.89	17.85	18.20		
20+10	1	99	1	0		25.10	24.86	25.24		
20+10	100	0	50	0	64-QAM	23.21	22.79	22.96	28.27	0.6714
20+10	1	0	1	49		17.89	17.68	18.17		
20+10	1	99	1	0		24.47	23.98	24.07		
20+10	100	0	50	0	256-QAM	20.98	20.79	21.20	25.00	0.3162
20+10	1	0	1	49		17.51	17.68	17.99		
20+10	1	99	1	0		21.16	21.08	21.14		
10+20	50	0	100	0	QPSK	23.59	23.70	24.23	30.02	1.0046
10+20	1	0	1	99		17.39	17.78	17.64		
10+20	1	49	1	0		25.73	26.22	26.05		
10+20	50	0	100	0	16-QAM	23.05	22.79	23.26	29.00	0.7943
10+20	1	0	1	99		17.97	17.86	18.09		
10+20	1	49	1	0		25.20	24.89	25.09		
10+20	50	0	100	0	64-QAM	23.24	22.79	23.17	28.39	0.6902
10+20	1	0	1	99		17.81	17.85	18.11		
10+20	1	49	1	0		24.59	24.15	23.39		
10+20	50	0	100	0	256-QAM	21.13	20.76	21.20	25.07	0.3214
10+20	1	0	1	99		17.51	17.68	17.94		
10+20	1	49	1	0		21.08	21.15	21.27		
20+5	100	0	25	0	QPSK	23.47	23.80	24.17	30.04	1.0093
20+5	1	0	1	24		17.34	17.80	17.68		
20+5	1	99	1	0		25.74	26.24	25.92		
20+5	100	0	25	0	16-QAM	23.18	22.83	23.18	29.04	0.8017
20+5	1	0	1	24		17.92	17.85	18.19		
20+5	1	99	1	0		25.24	24.89	25.12		
20+5	100	0	25	0	64-QAM	23.25	22.92	22.91	28.33	0.6808
20+5	1	0	1	24		17.96	17.86	18.16		
20+5	1	99	1	0		24.40	24.53	23.86		
20+5	100	0	25	0	256-QAM	20.99	20.75	21.13	25.19	0.3304
20+5	1	0	1	24		17.53	17.68	17.95		
20+5	1	99	1	0		21.17	21.15	21.39		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	23.51	23.76	24.20	30.00	1.0000
5+20	1	0	1	99		17.37	17.74	17.57		
5+20	1	24	1	0		25.89	26.20	26.06		
5+20	25	0	100	0	16-QAM	23.18	22.81	23.22	29.05	0.8035
5+20	1	0	1	99		17.99	17.89	18.13		
5+20	1	24	1	0		25.25	24.80	25.15		
5+20	25	0	100	0	64-QAM	23.08	22.77	23.09	28.35	0.6839
5+20	1	0	1	99		17.90	17.85	18.08		
5+20	1	24	1	0		24.55	24.11	23.49		
5+20	25	0	100	0	256-QAM	21.15	20.81	21.16	25.14	0.3266
5+20	1	0	1	99		17.54	17.56	17.88		
5+20	1	24	1	0		21.08	21.11	21.34		
15+10	75	0	50	0	QPSK	23.60	23.79	24.16	29.98	0.9954
15+10	1	0	1	49		17.45	17.78	17.61		
15+10	1	74	1	0		25.91	26.18	25.95		
15+10	75	0	50	0	16-QAM	23.09	22.78	23.15	28.98	0.7907
15+10	1	0	1	49		17.97	18.05	18.19		
15+10	1	74	1	0		25.18	24.87	25.09		
15+10	75	0	50	0	64-QAM	23.10	22.76	22.88	28.38	0.6887
15+10	1	0	1	49		17.92	17.81	18.18		
15+10	1	74	1	0		24.58	24.05	24.03		
15+10	75	0	50	0	256-QAM	21.00	20.76	21.15	25.01	0.3170
15+10	1	0	1	49		17.48	17.62	17.78		
15+10	1	74	1	0		21.18	21.11	21.21		
10+15	50	0	75	0	QPSK	23.59	23.78	24.18	29.95	0.9886
10+15	1	0	1	74		17.33	17.78	17.59		
10+15	1	49	1	0		25.85	26.15	25.97		
10+15	50	0	75	0	16-QAM	23.01	22.84	23.19	28.90	0.7762
10+15	1	0	1	74		17.96	17.86	18.13		
10+15	1	49	1	0		25.10	24.86	25.07		
10+15	50	0	75	0	64-QAM	23.16	22.74	23.04	28.34	0.6823
10+15	1	0	1	74		17.87	17.88	18.15		
10+15	1	49	1	0		24.54	24.31	24.17		
10+15	50	0	75	0	256-QAM	21.14	20.75	21.16	25.10	0.3236
10+15	1	0	1	74		17.43	17.66	17.81		
10+15	1	49	1	0		21.14	21.04	21.30		
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 3.8 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	23.53	23.79	24.38	29.98	0.9954
15+15	1	0	1	74		17.36	17.81	17.64		
15+15	1	74	1	0		25.90	26.18	26.00		
15+15	75	0	75	0	16-QAM	23.20	22.82	23.24	28.99	0.7925
15+15	1	0	1	74		18.01	17.88	18.20		
15+15	1	74	1	0		25.12	24.97	25.19		
15+15	75	0	75	0	64-QAM	23.22	22.77	22.96	28.29	0.6745
15+15	1	0	1	74		17.96	18.15	18.13		
15+15	1	74	1	0		24.49	24.33	24.23		
15+15	75	0	75	0	256-QAM	21.14	20.78	21.21	25.41	0.3475
15+15	1	0	1	74		17.48	17.69	17.90		
15+15	1	74	1	0		21.19	21.61	21.44		
Limit	EIRP < 2W					Result			Pass	



LTE Band 2C

26dB Bandwidth

Mode	LTE Band 2C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.93	25.23	29.97	25.38	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	25.03	30.15	34.97	39.72

Mode	LTE Band 2C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.13	29.85	25.38	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	25.13	30.21	35.32	39.96

Mode	LTE Band 2C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.13	29.85	25.33	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	25.03	30.15	34.97	40.04

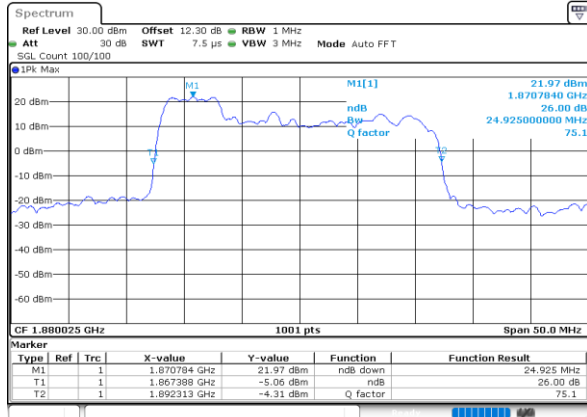
Mode	LTE Band 2C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.18	29.85	25.33	30.39
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	24.83	30.09	34.97	39.88



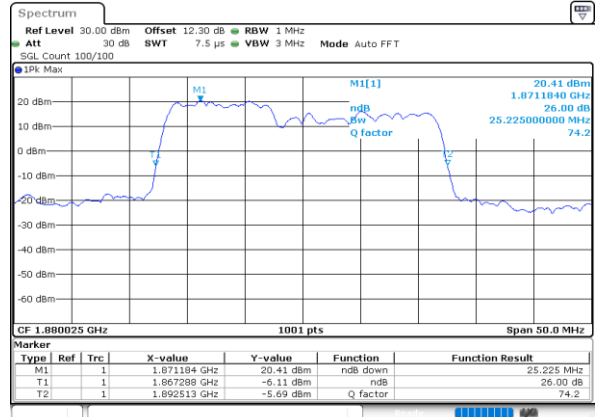
LTE Band 2C

QPSK

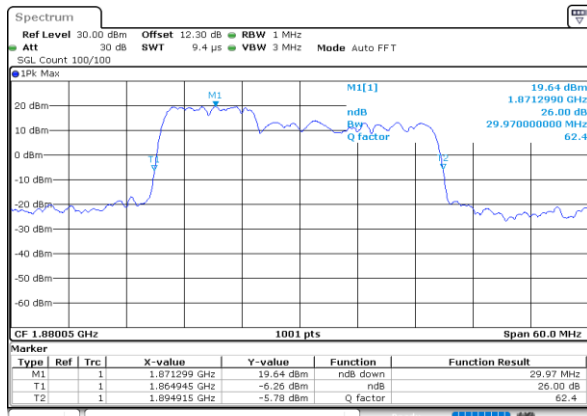
Middle Channel / 5MHz+20MHz



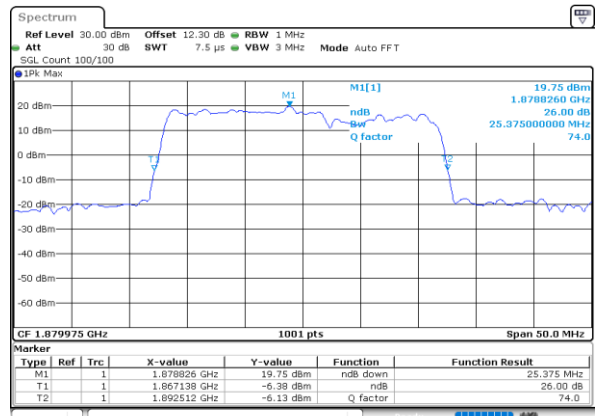
Middle Channel / 10MHz+15MHz



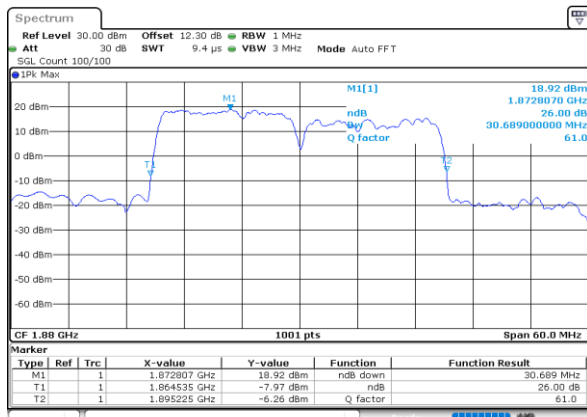
Middle Channel / 10MHz+20MHz



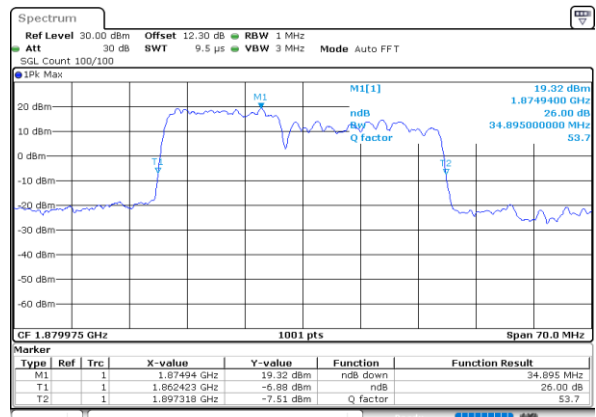
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

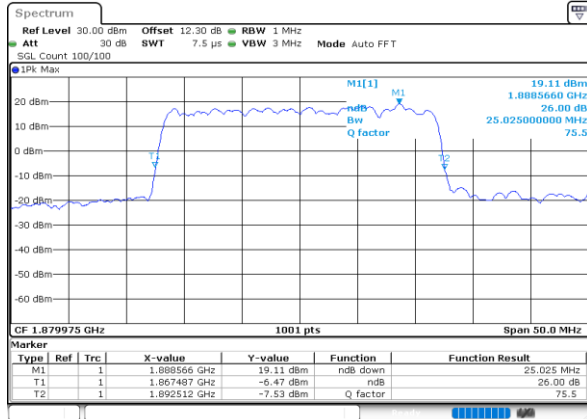




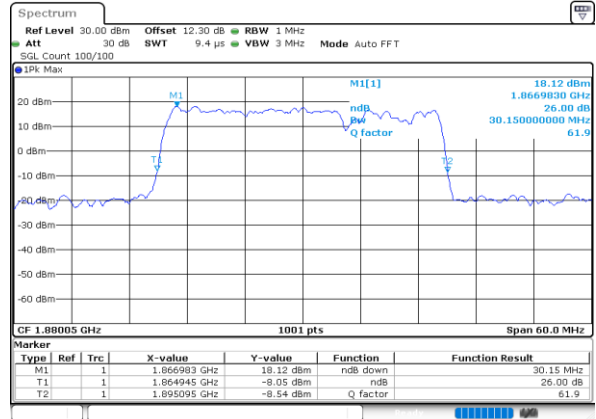
LTE Band 2C

QPSK

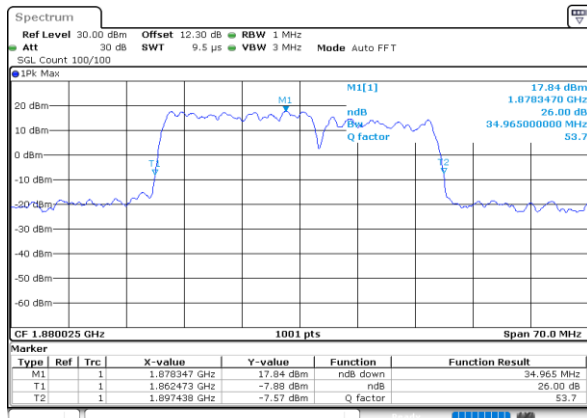
Middle Channel / 20MHz+5MHz



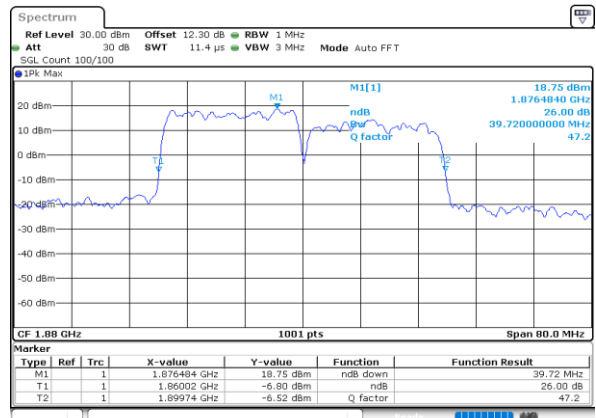
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

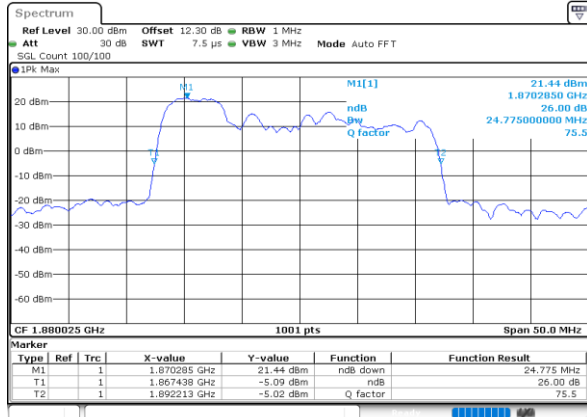




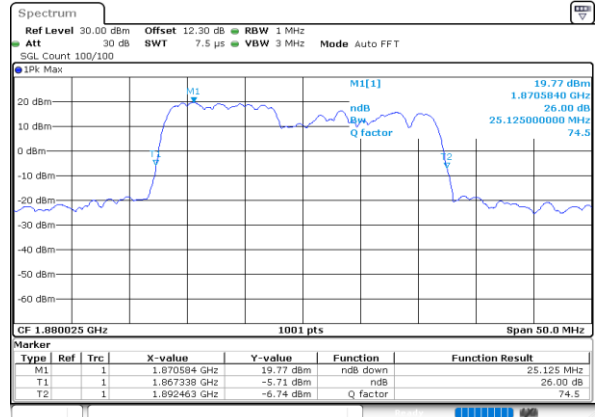
LTE Band 2C

16QAM

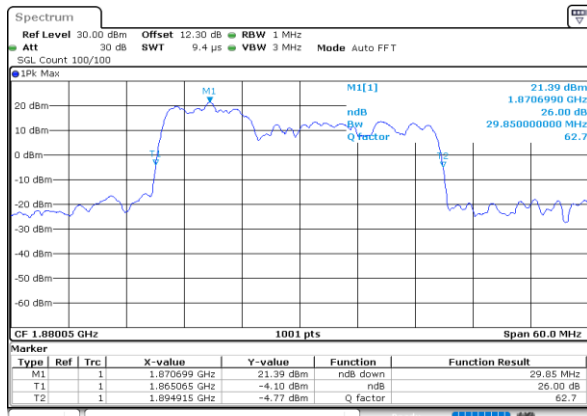
Middle Channel / 5MHz+20MHz



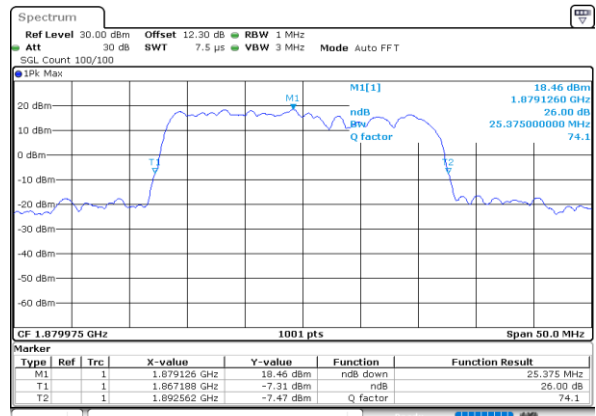
Middle Channel / 10MHz+15MHz



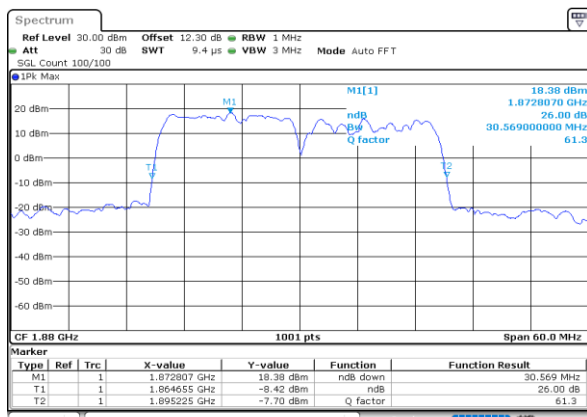
Middle Channel / 10MHz+20MHz



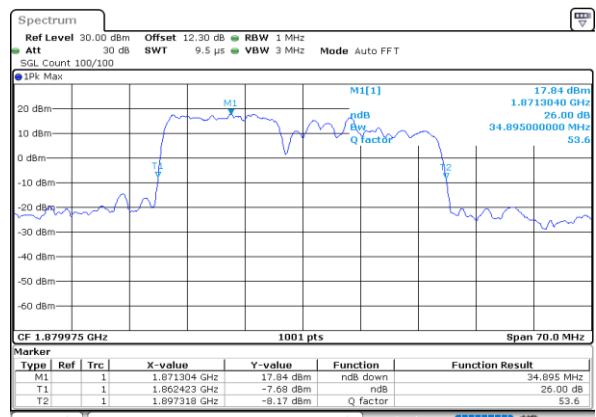
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

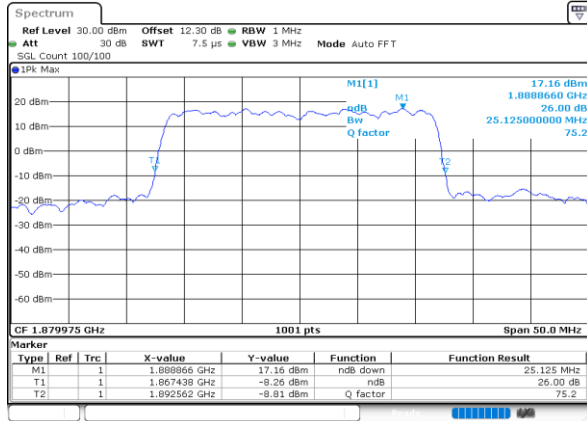




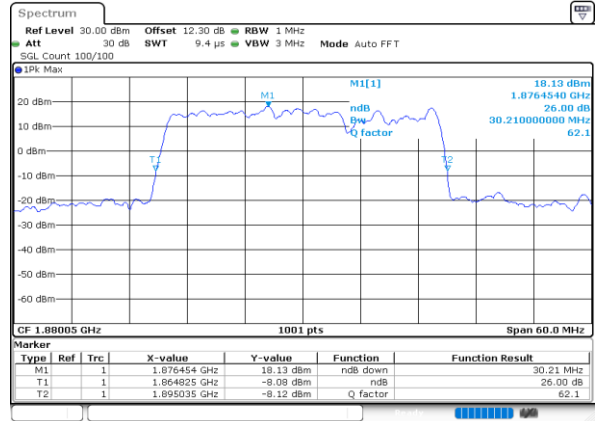
LTE Band 2C

16QAM

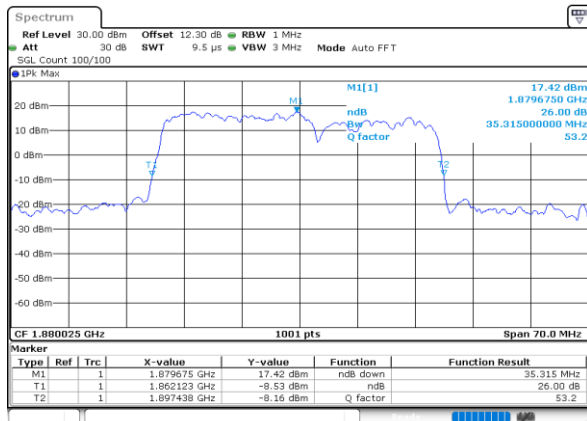
Middle Channel / 20MHz+5MHz



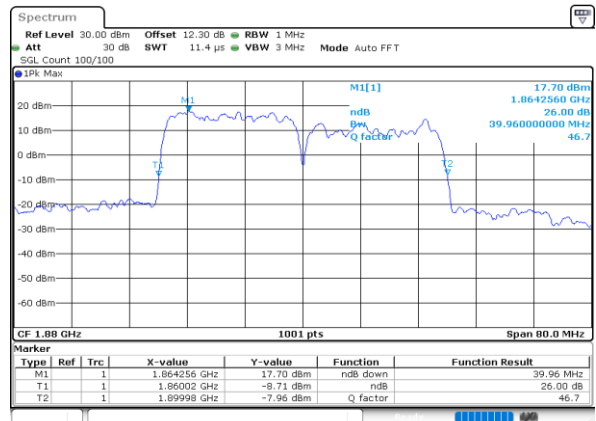
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

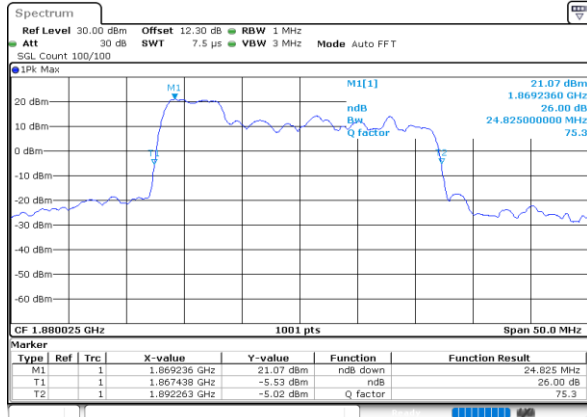




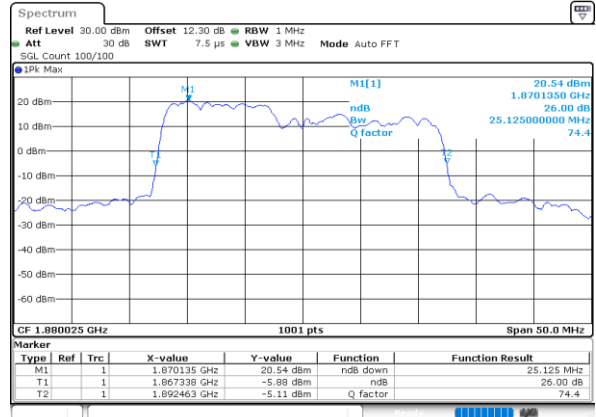
LTE Band 2C

64QAM

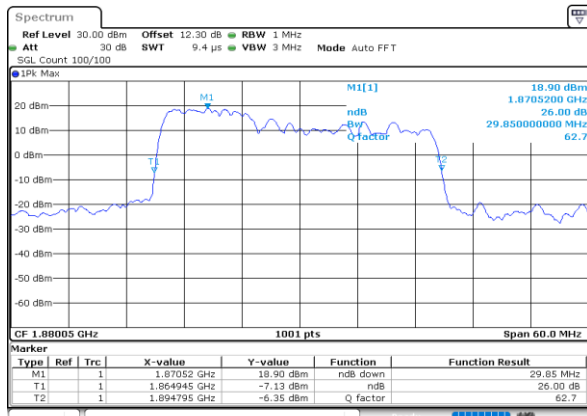
Middle Channel / 5MHz+20MHz



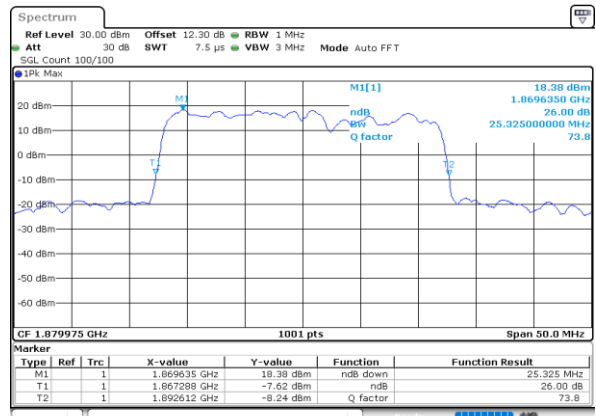
Middle Channel / 10MHz+15MHz



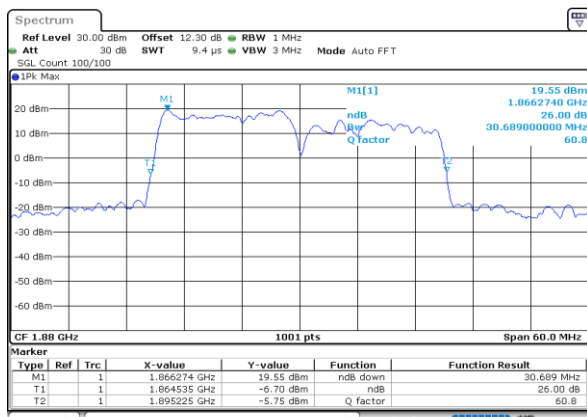
Middle Channel / 10MHz+20MHz



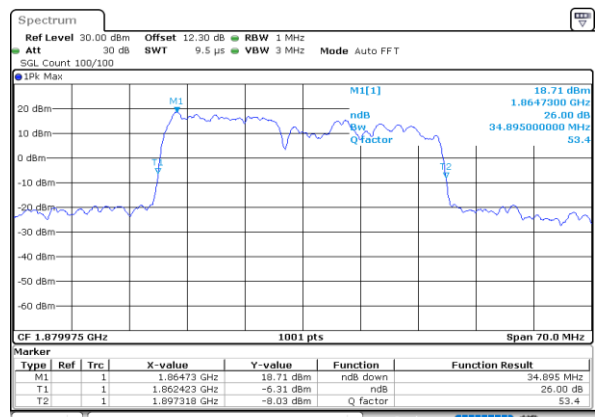
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

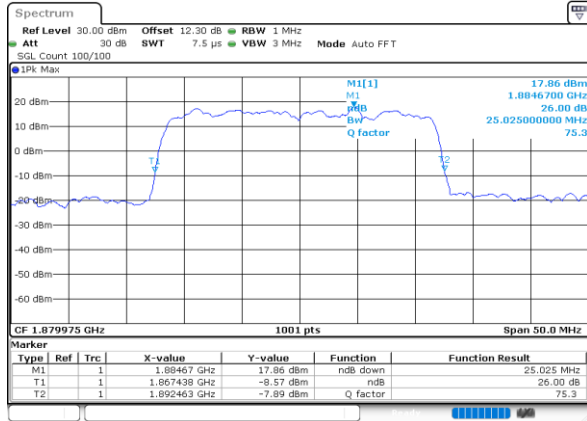




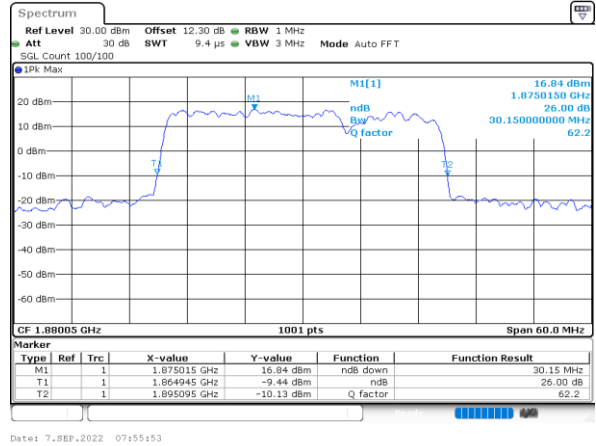
LTE Band 2C

64QAM

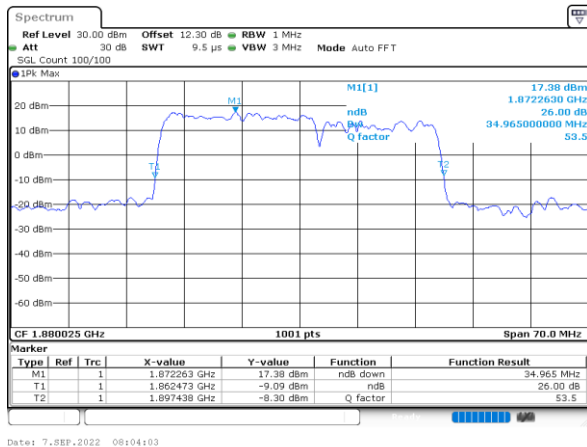
Middle Channel / 20MHz+5MHz



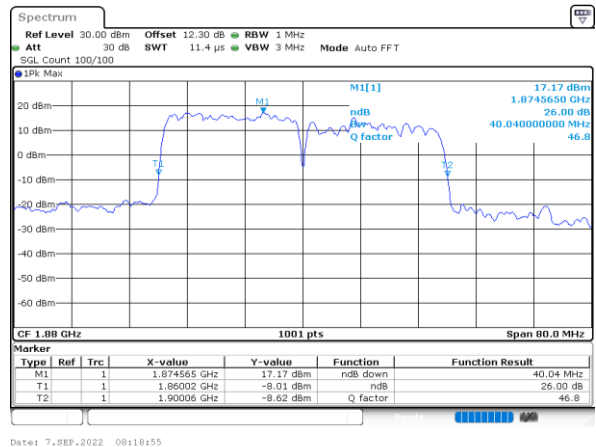
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

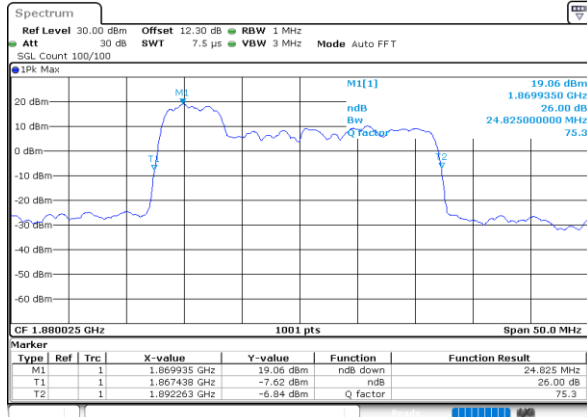




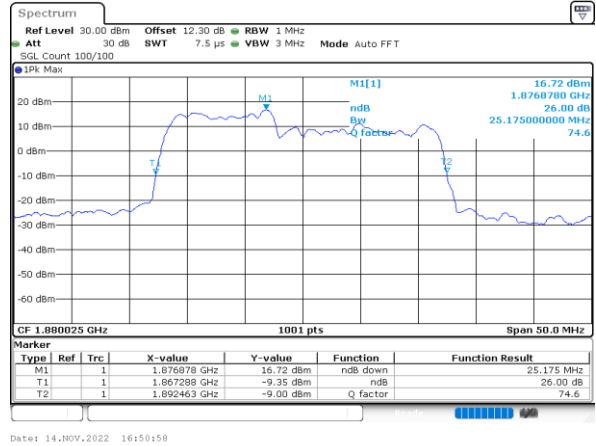
LTE Band 2C

256QAM

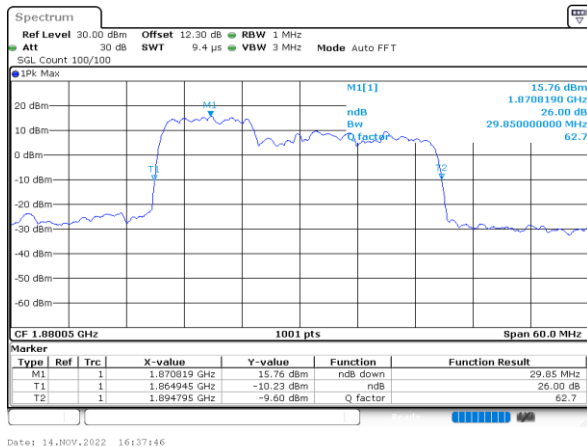
Middle Channel / 5MHz+20MHz



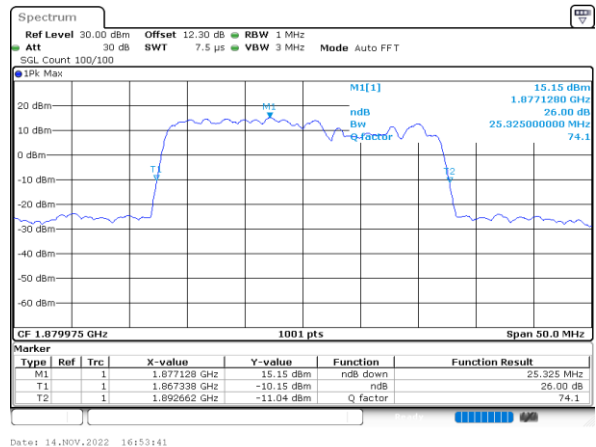
Middle Channel / 10MHz+15MHz



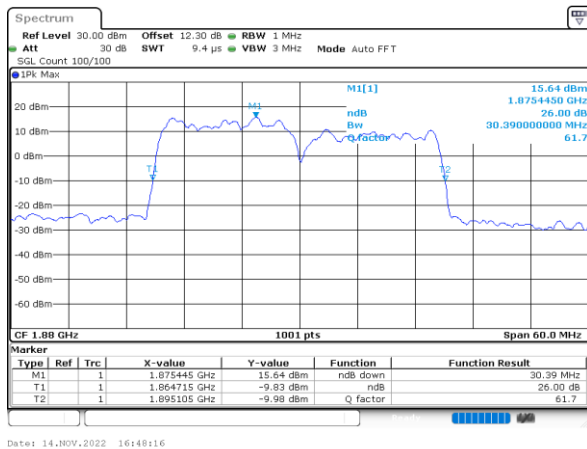
Middle Channel / 10MHz+20MHz



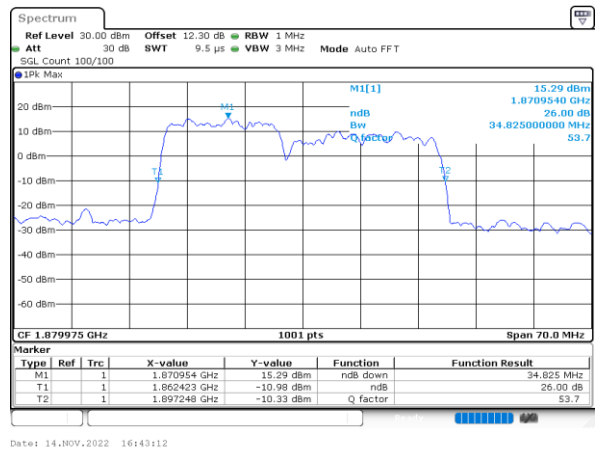
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

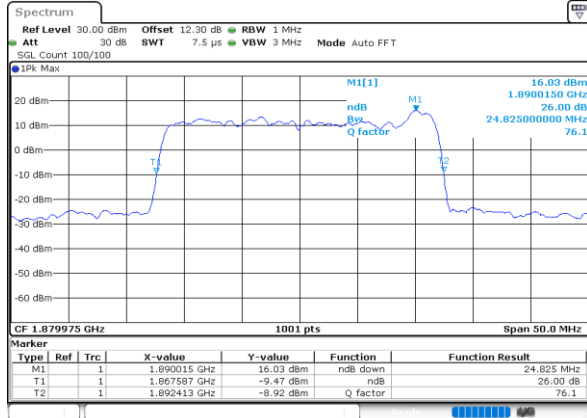




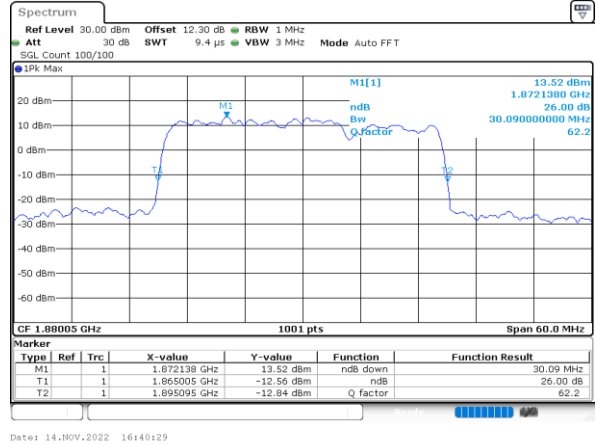
LTE Band 2C

256QAM

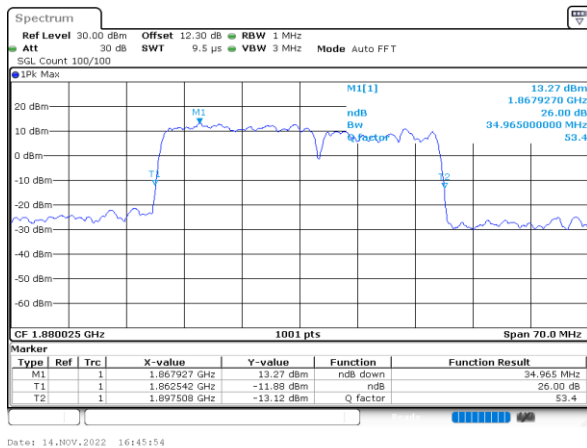
Middle Channel / 20MHz+5MHz



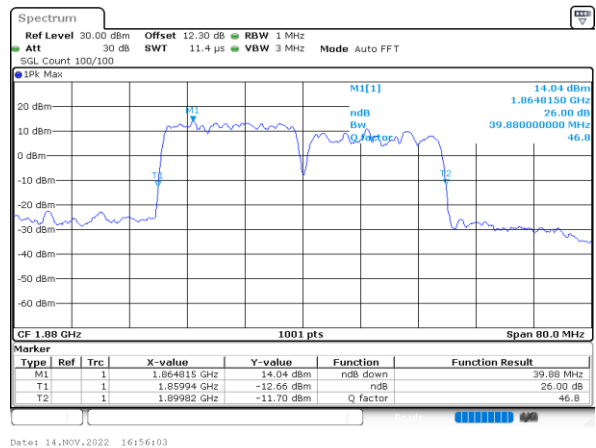
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



Occupied Bandwidth

Mode	LTE Band 2C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.63	28.23	23.48	28.11
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.28	28.23	32.66	37.40

Mode	LTE Band 2C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.33	23.33	27.93	23.48	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.48	28.35	32.66	37.40

Mode	LTE Band 2C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.33	28.05	23.28	28.41
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.59	23.18	28.05	32.66	37.64

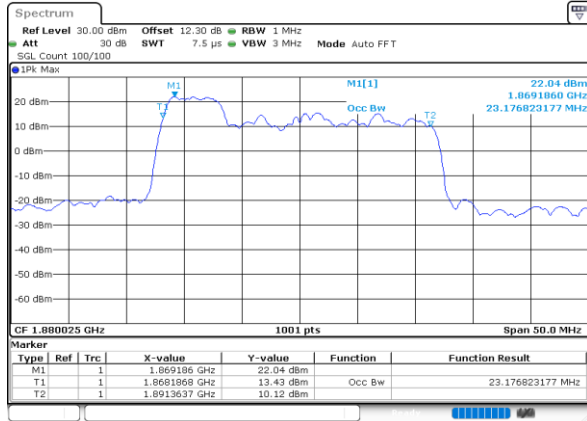
Mode	LTE Band 2C : 99%OBW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.08	23.53	27.81	23.53	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.52	23.23	28.05	32.73	37.40



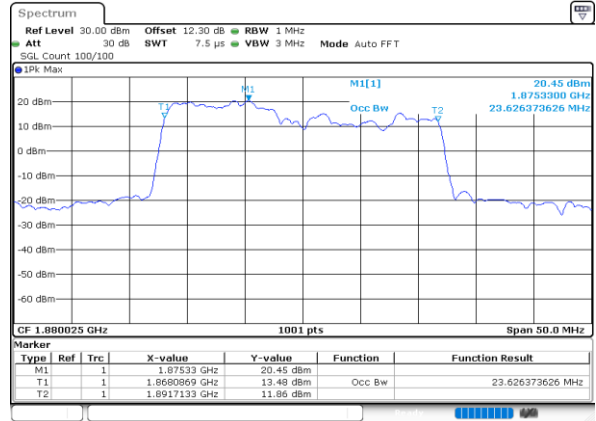
LTE Band 2C

QPSK

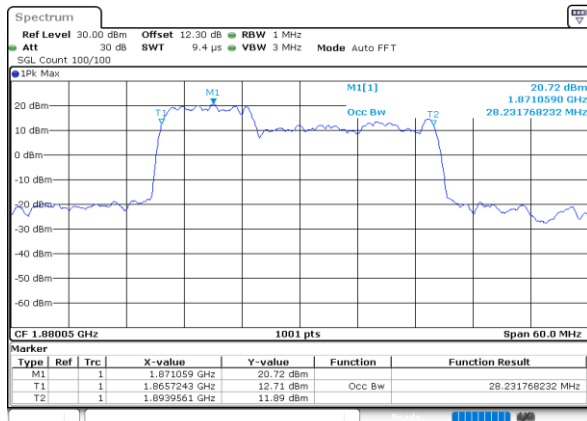
Middle Channel / 5MHz+20MHz



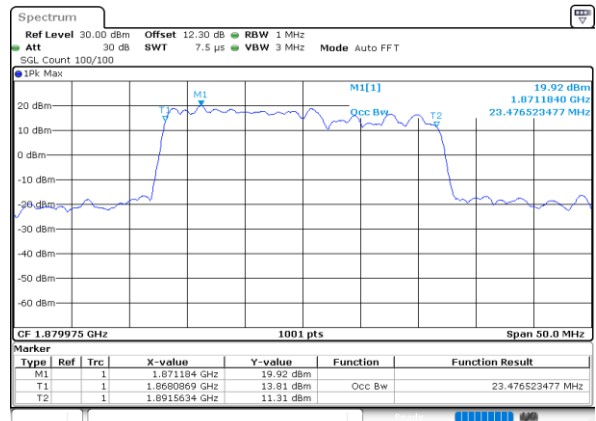
Middle Channel / 10MHz+15MHz



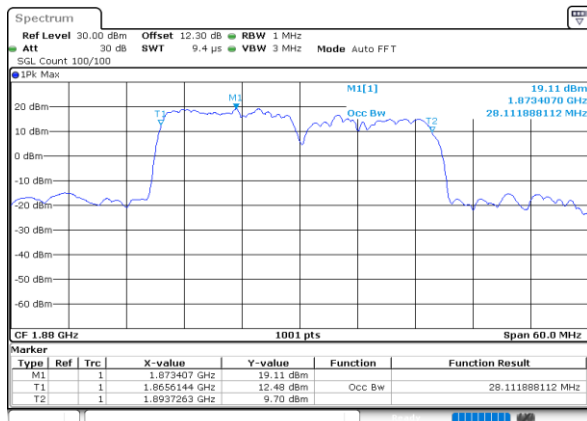
Middle Channel / 10MHz+20MHz



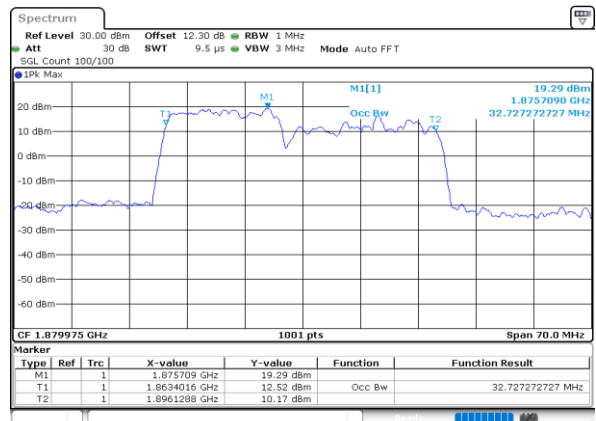
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

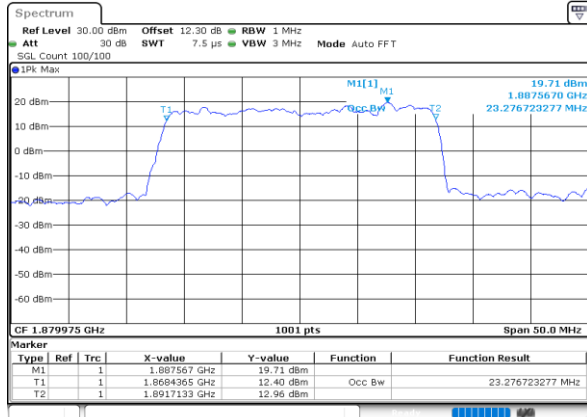




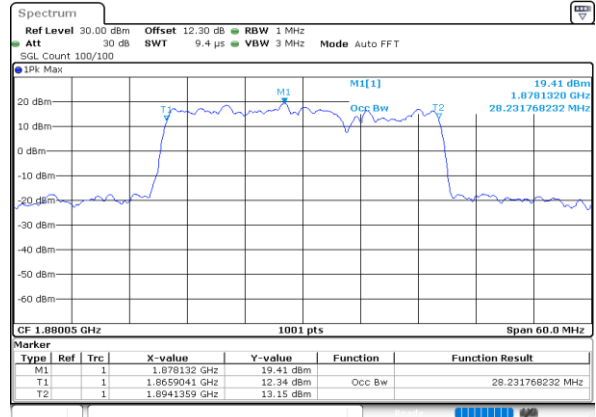
LTE Band 2C

QPSK

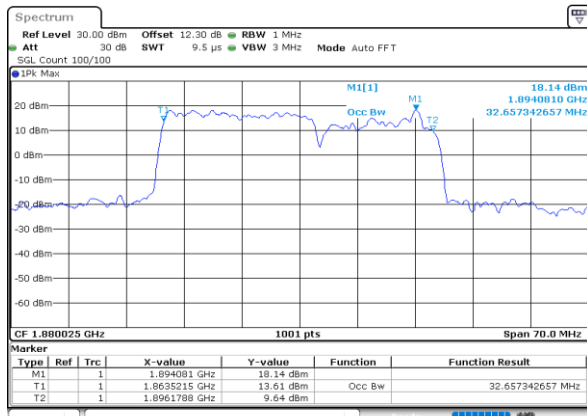
Middle Channel / 20MHz+5MHz



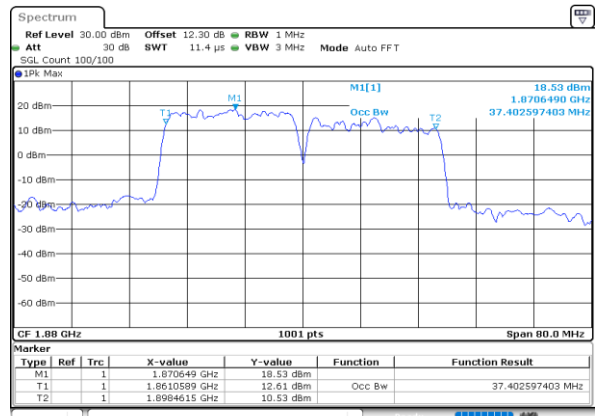
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

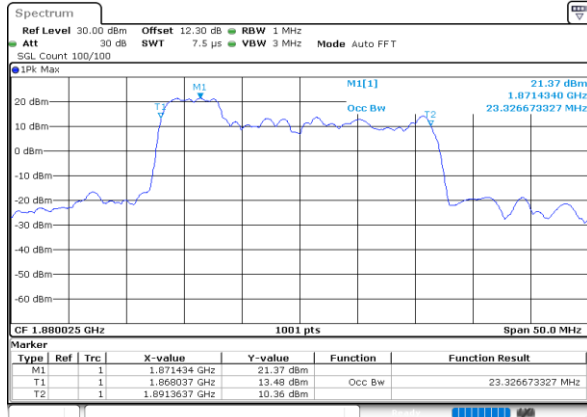




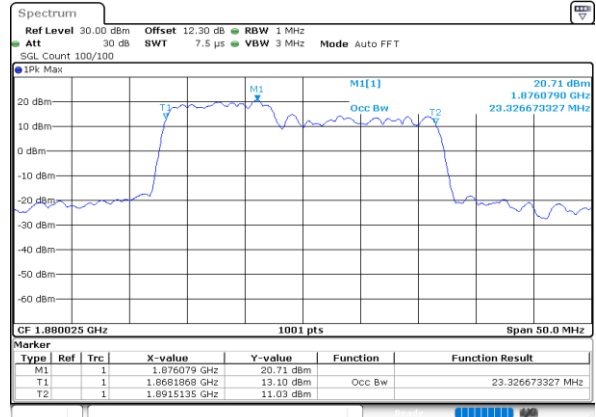
LTE Band 2C

16QAM

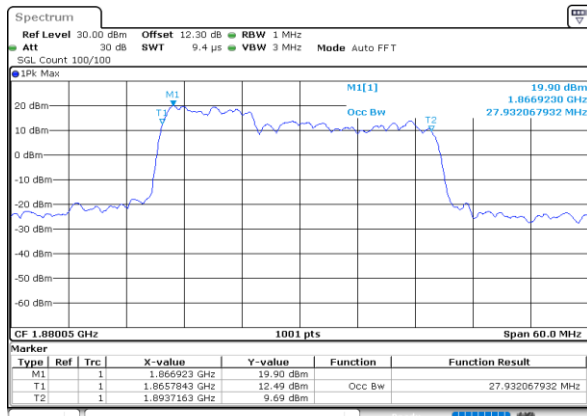
Middle Channel / 5MHz+20MHz



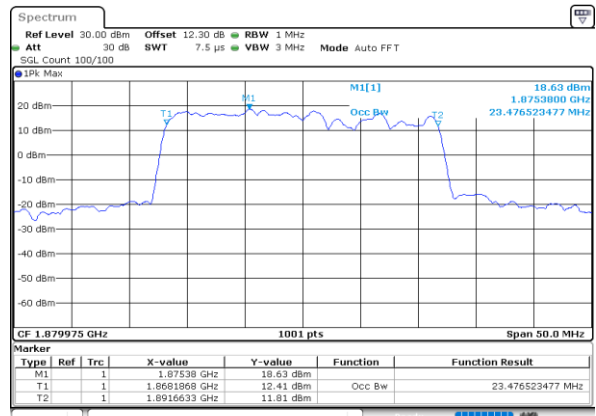
Middle Channel / 10MHz+15MHz



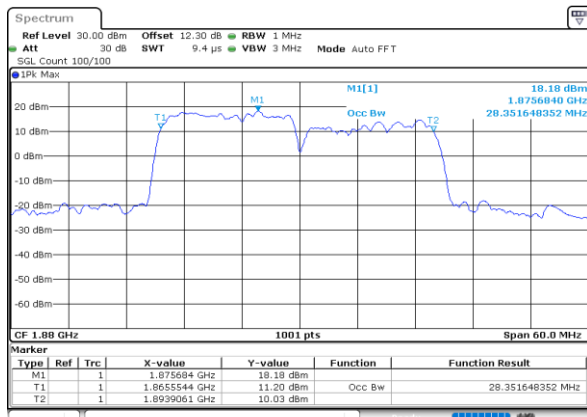
Middle Channel / 10MHz+20MHz



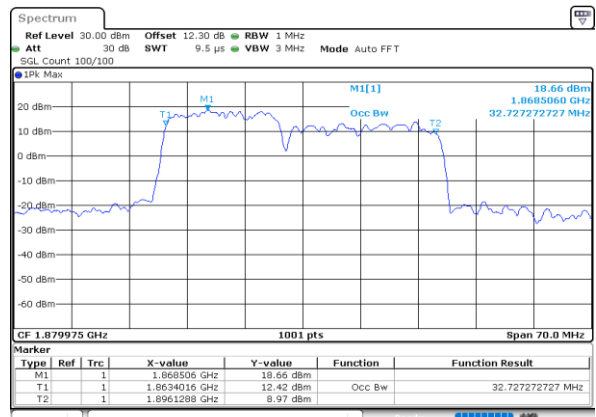
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

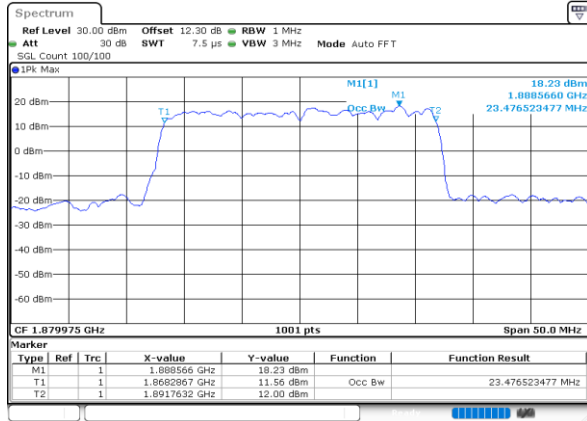




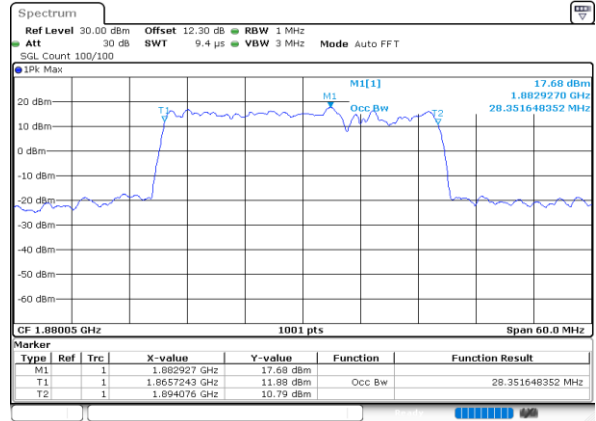
LTE Band 2C

16QAM

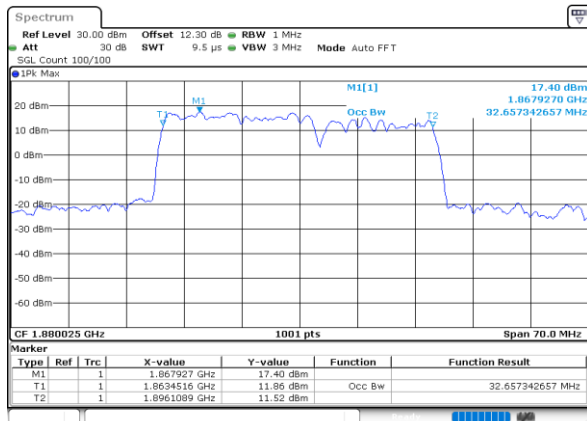
Middle Channel / 20MHz+5MHz



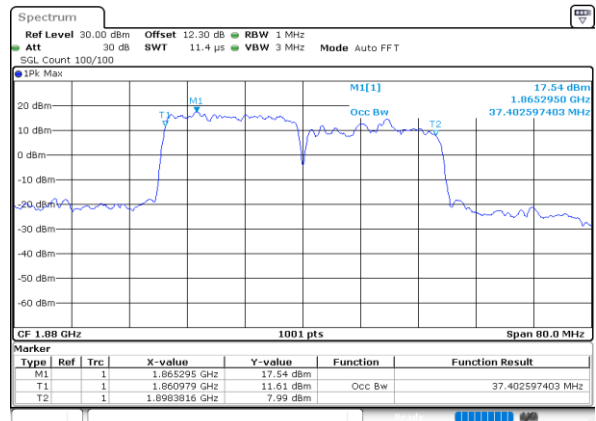
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

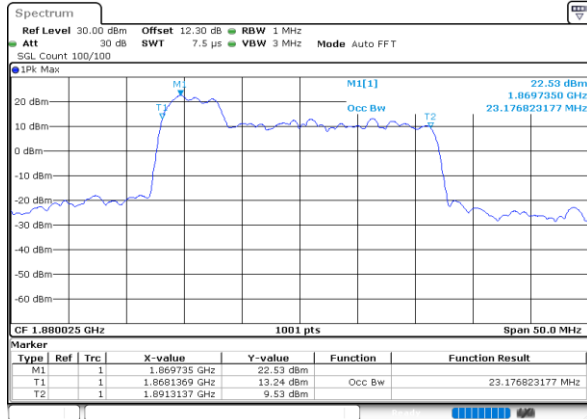




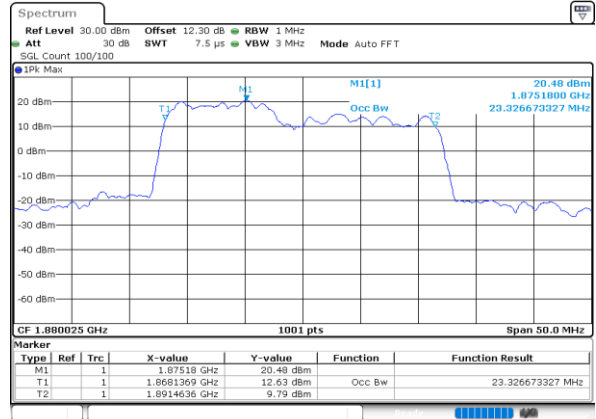
LTE Band 2C

64QAM

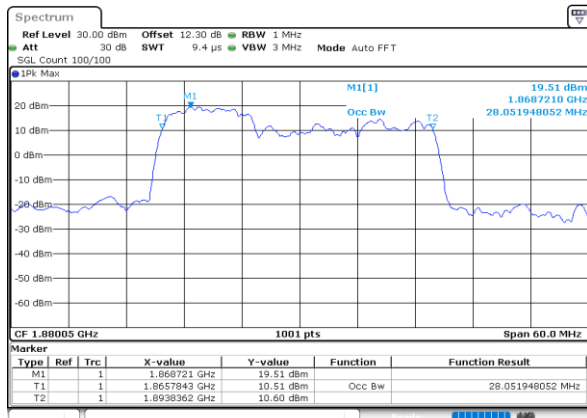
Middle Channel / 5MHz+20MHz



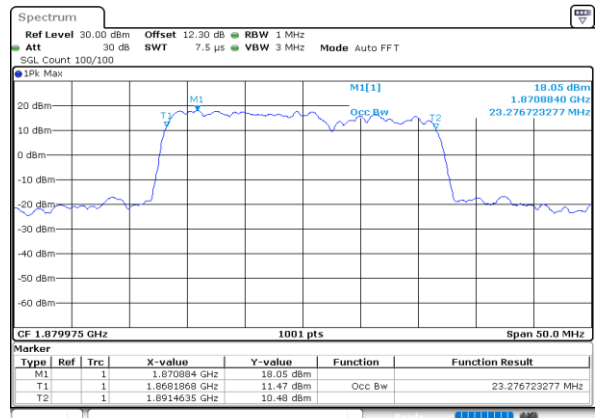
Middle Channel / 10MHz+15MHz



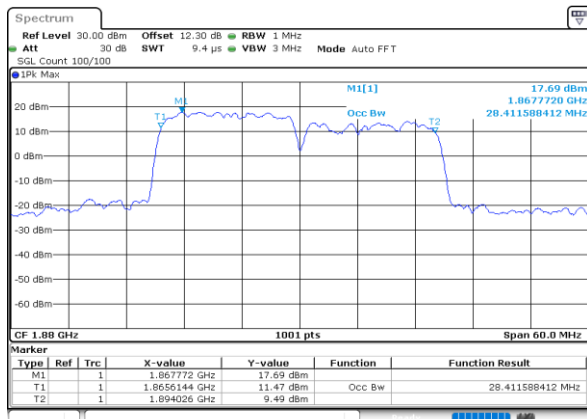
Middle Channel / 10MHz+20MHz



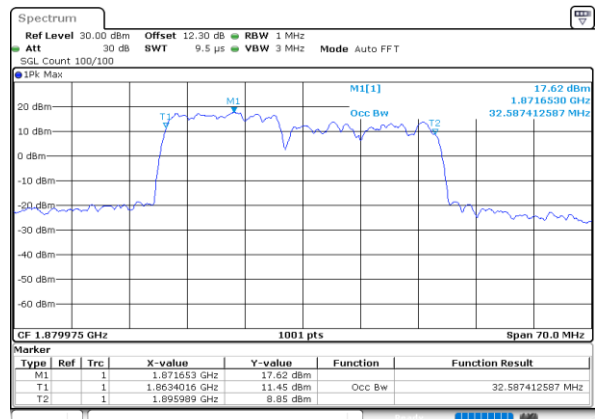
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

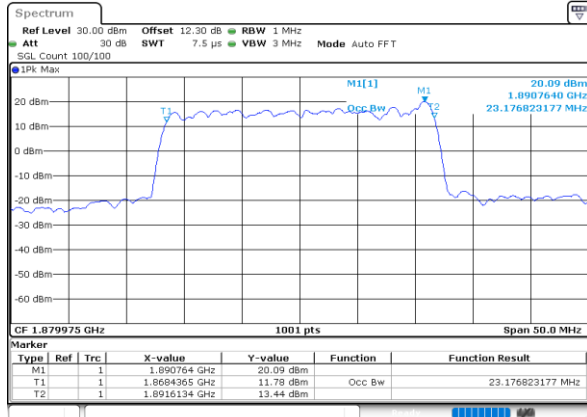




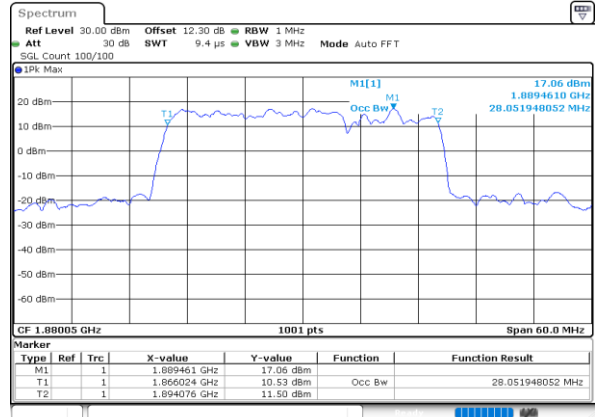
LTE Band 2C

64QAM

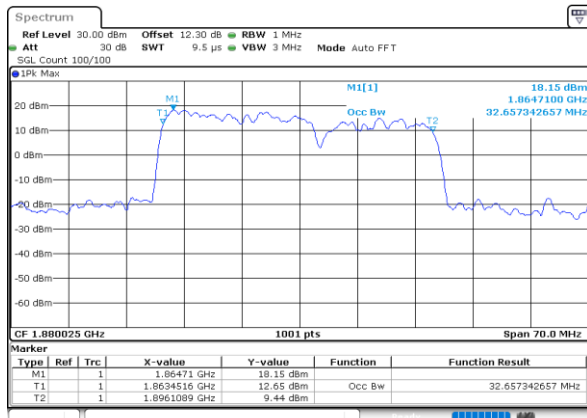
Middle Channel / 20MHz+5MHz



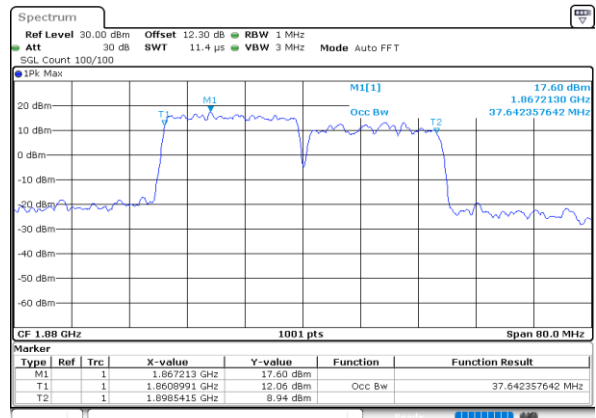
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

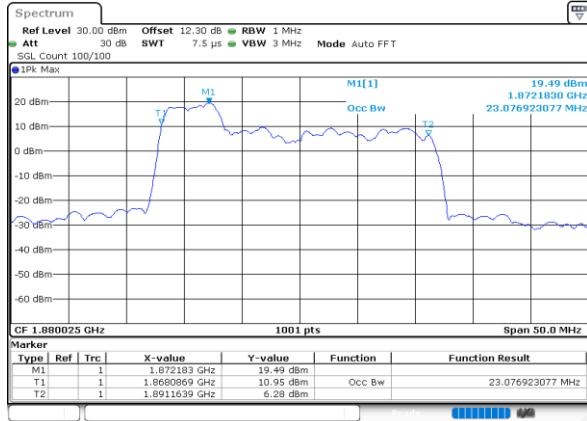




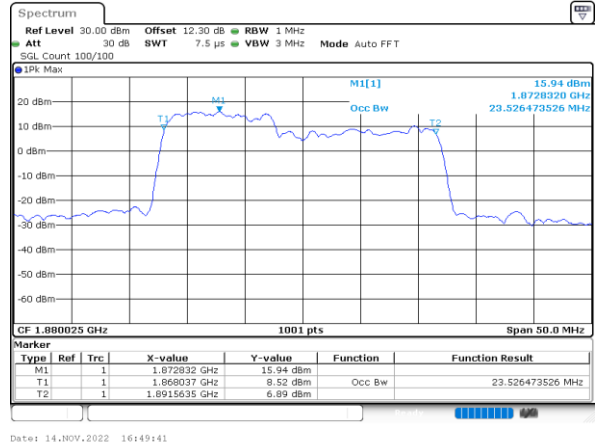
LTE Band 2C

256QAM

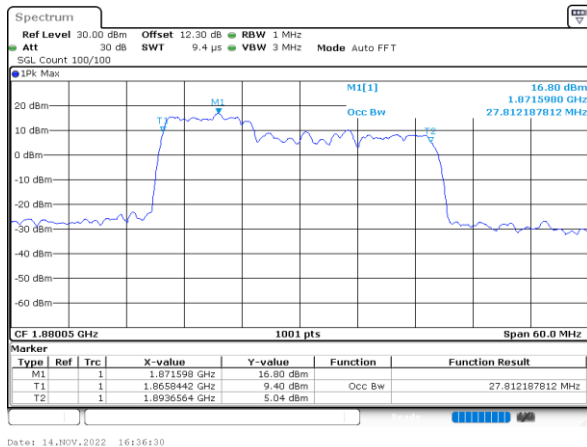
Middle Channel / 5MHz+20MHz



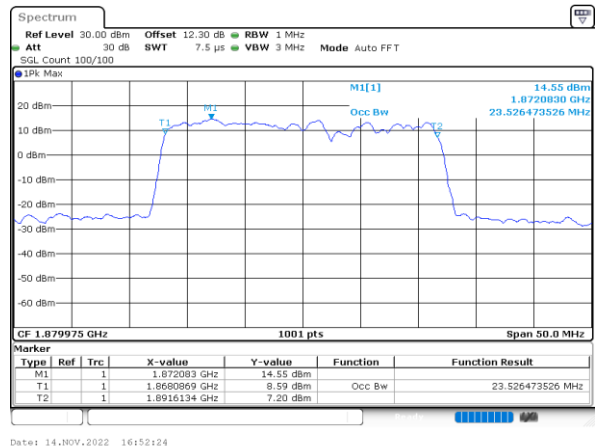
Middle Channel / 10MHz+15MHz



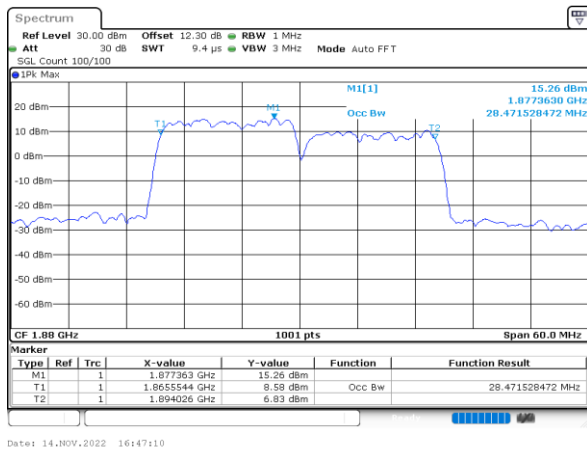
Middle Channel / 10MHz+20MHz



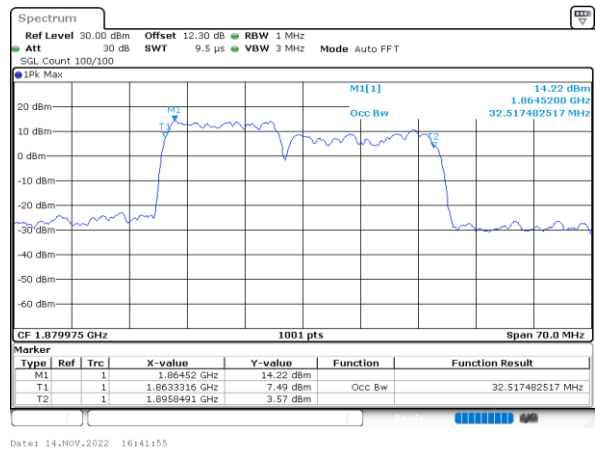
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

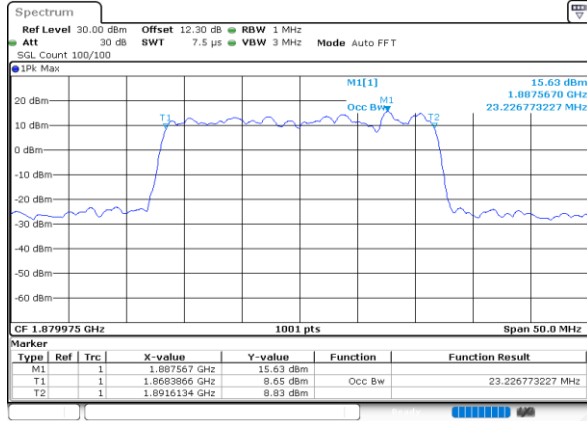




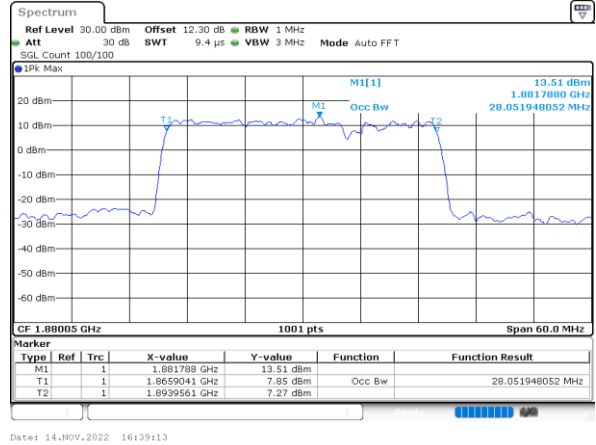
LTE Band 2C

256QAM

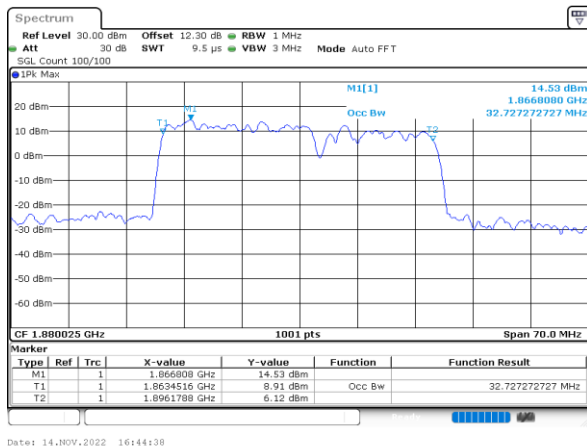
Middle Channel / 20MHz+5MHz



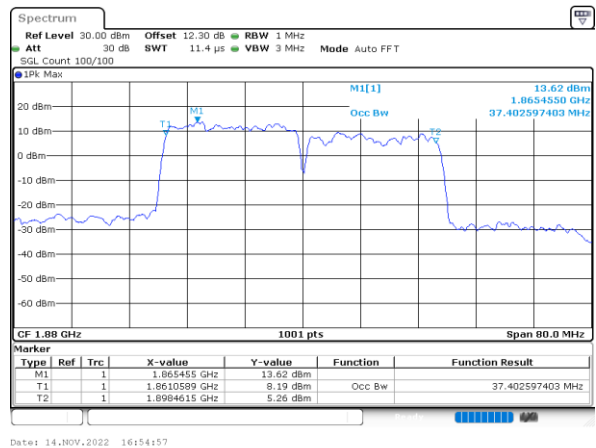
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



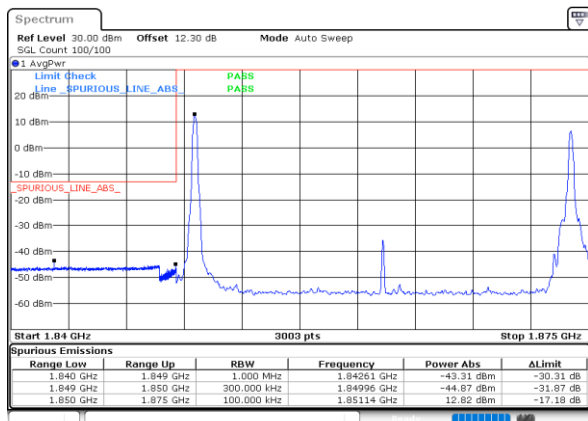


Conducted Band Edge

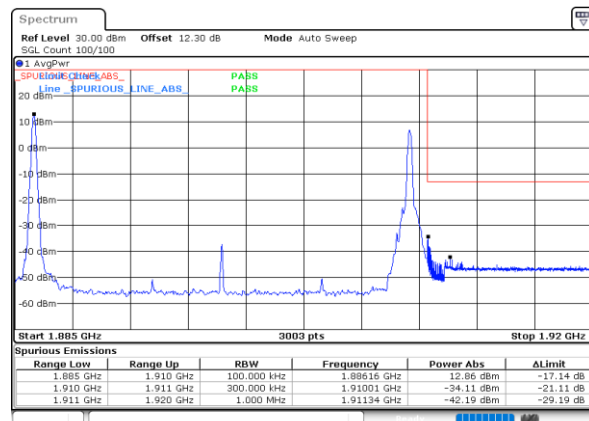
LTE Band 2C / 5MHz+20MHz

QPSK

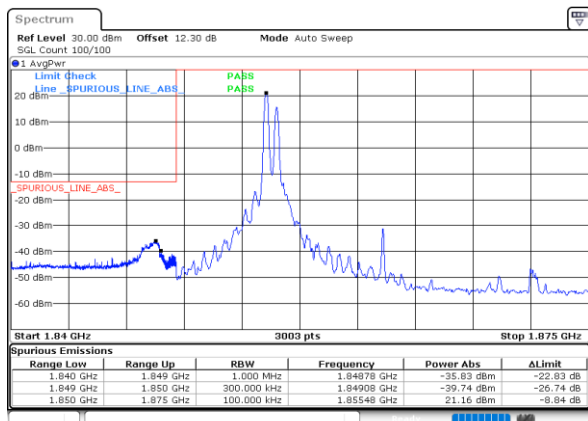
Lowest Band Edge / 1RB0 and 1RB99



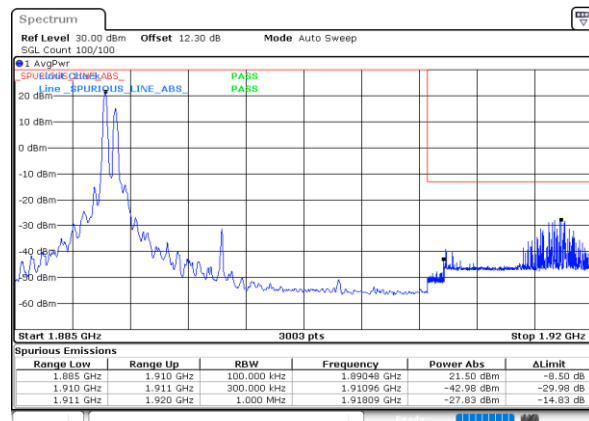
Highest Band Edge / 1RB0 and 1RB99



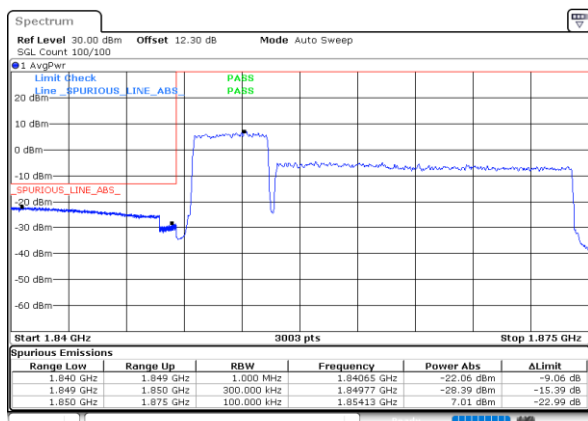
Lowest Band Edge / 1RB24 and 1RB0



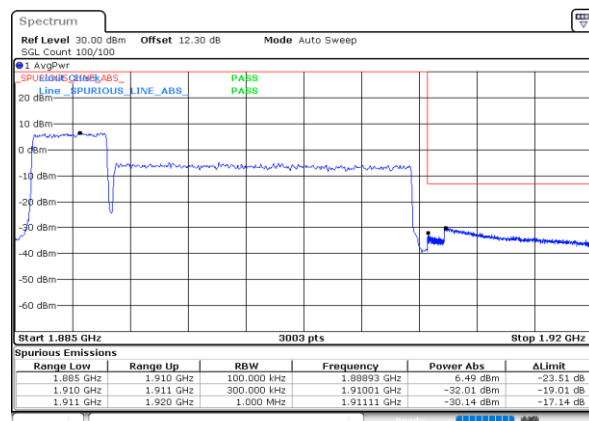
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

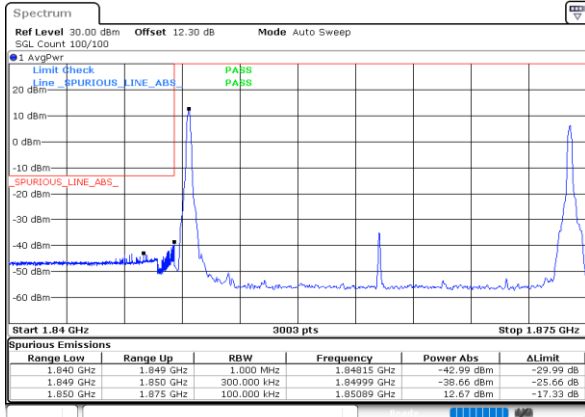




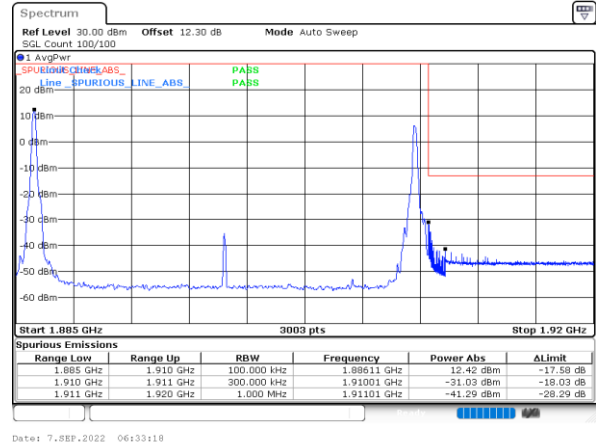
LTE Band 2C / 10MHz+15MHz

QPSK

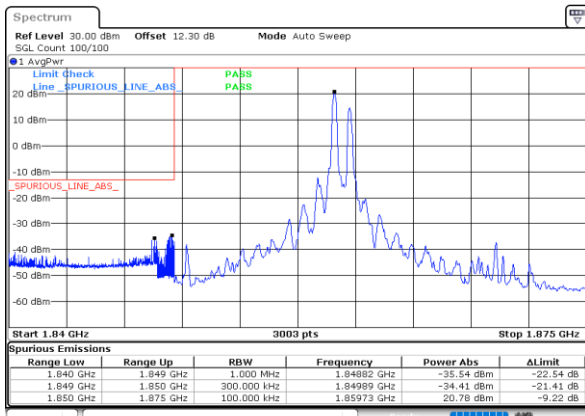
Lowest Band Edge / 1RB0 and 1RB74



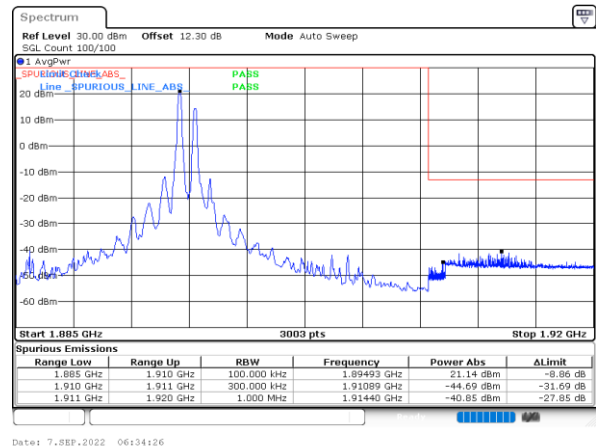
Highest Band Edge / 1RB0 and 1RB74



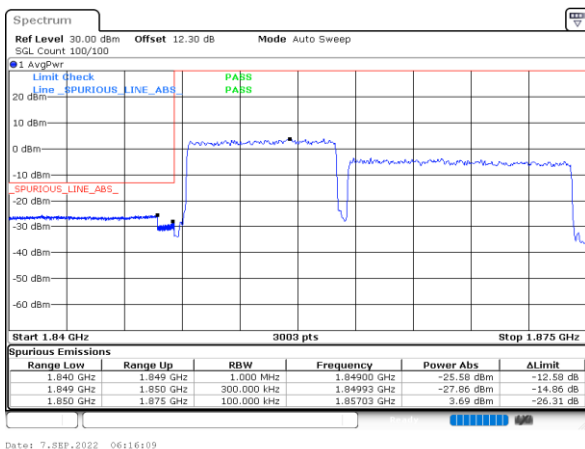
Lowest Band Edge / 1RB49 and 1RB0



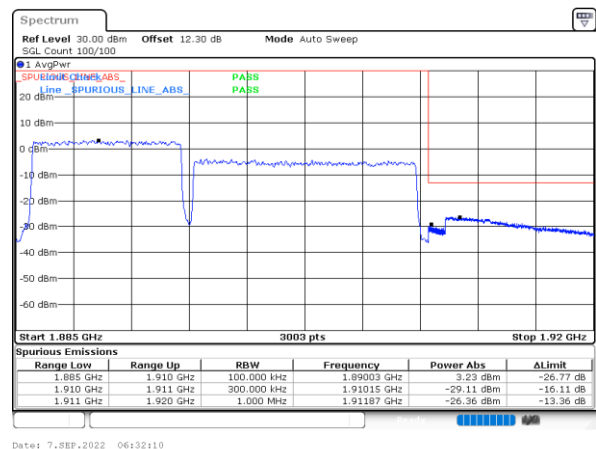
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

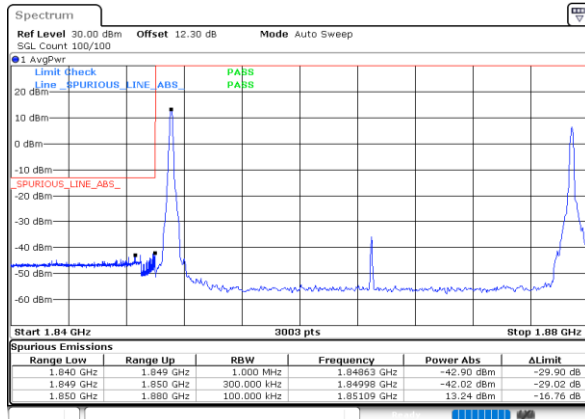




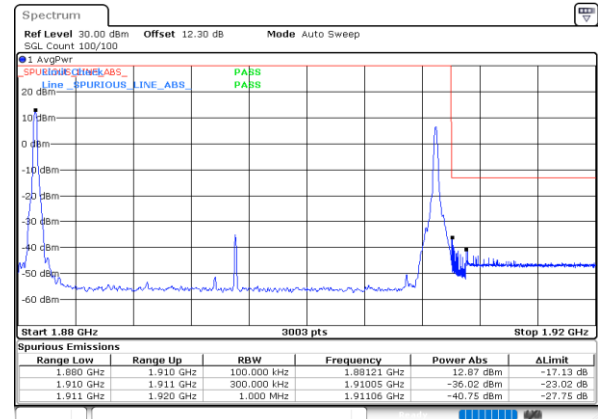
LTE Band 2C / 10MHz+20MHz

QPSK

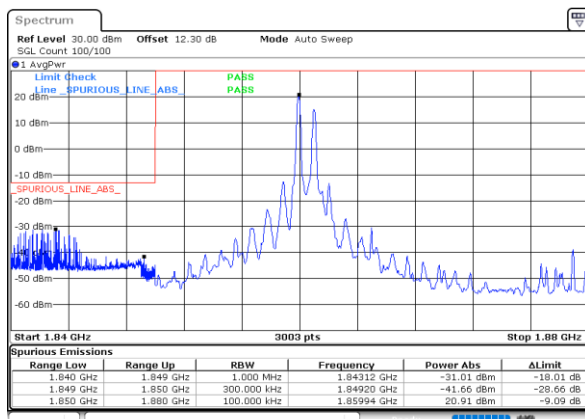
Lowest Band Edge / 1RB0 and 1RB99



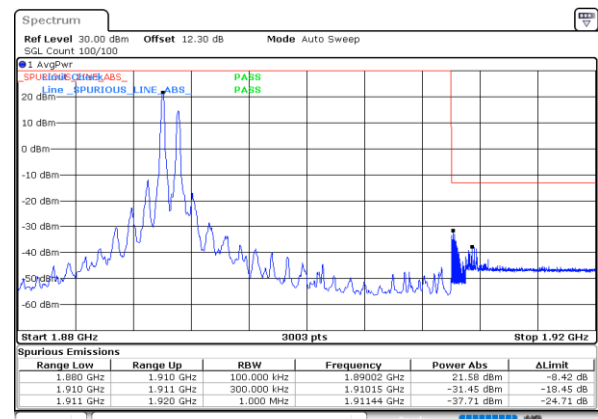
Highest Band Edge / 1RB0 and 1RB99



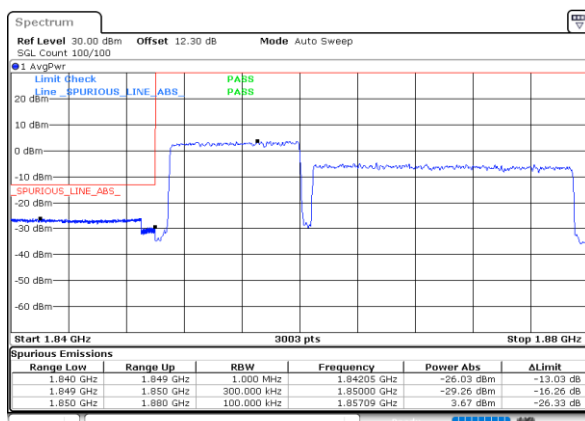
Lowest Band Edge / 1RB49 and 1RB0



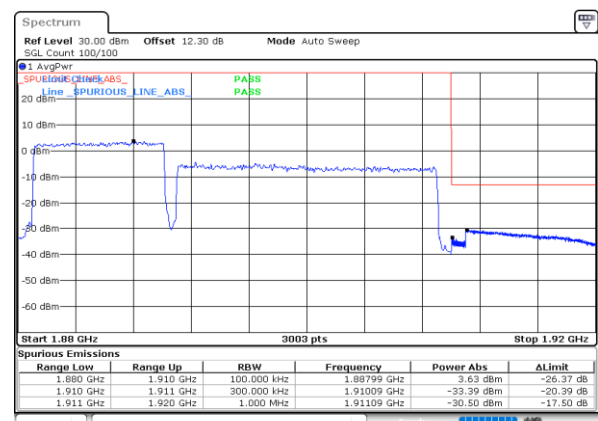
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

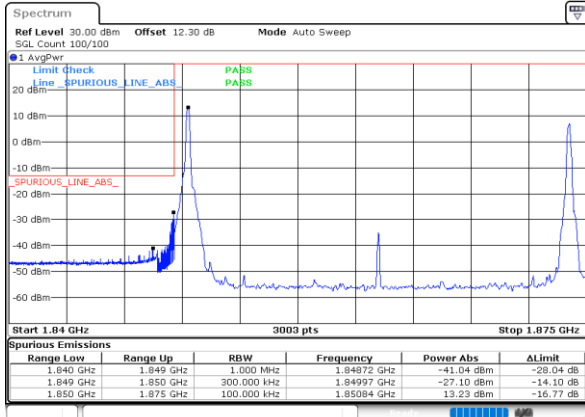




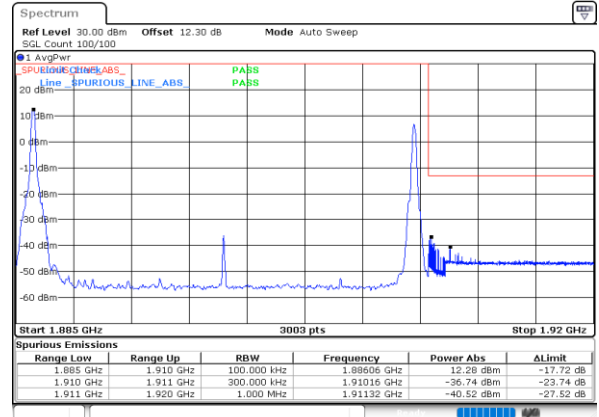
LTE Band 2C / 15MHz+10MHz

QPSK

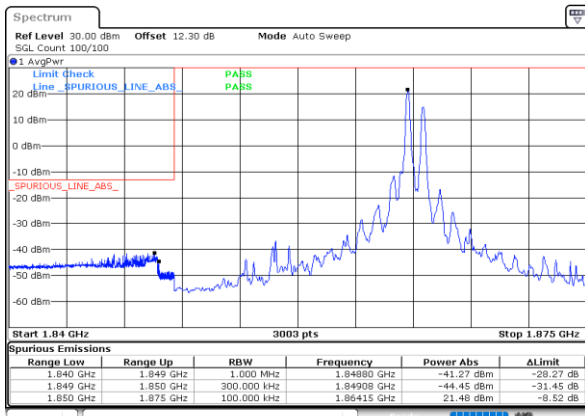
Lowest Band Edge / 1RB0 and 1RB49



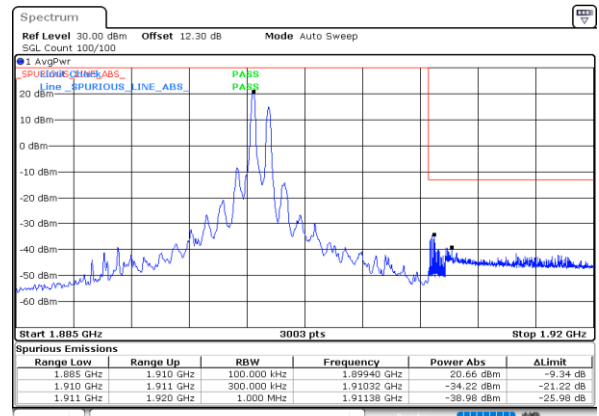
Highest Band Edge / 1RB0 and 1RB49



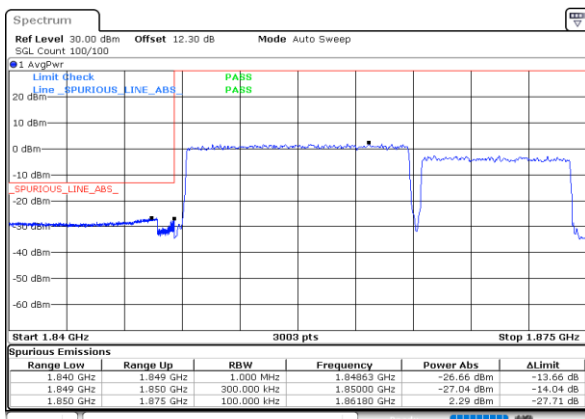
Lowest Band Edge / 1RB74 and 1RB0



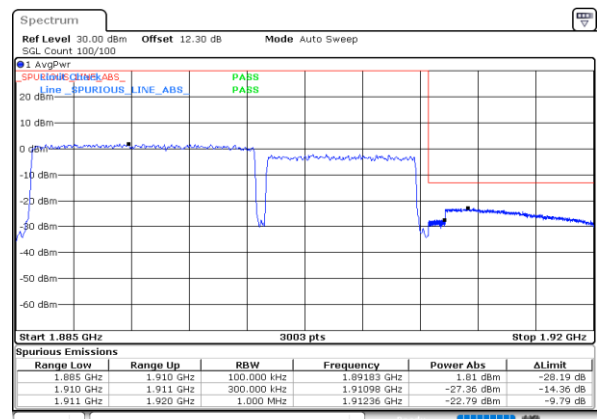
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

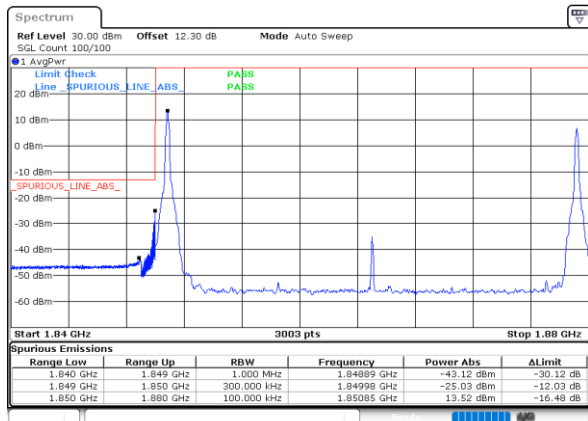




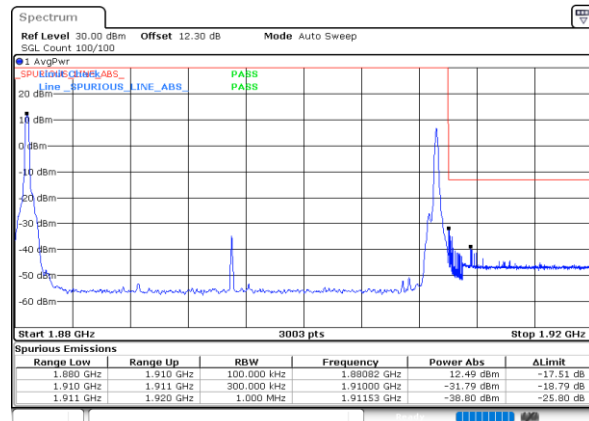
LTE Band 2C / 15MHz+15MHz

QPSK

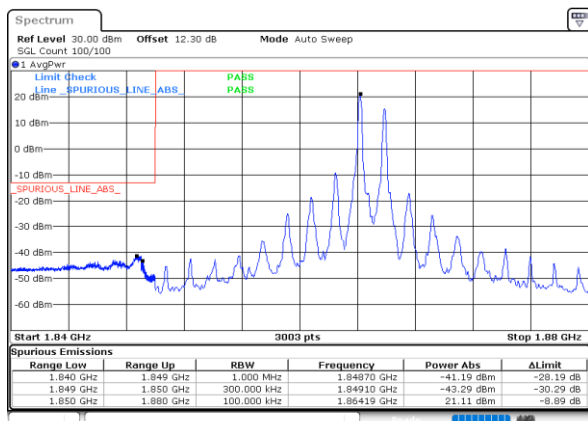
Lowest Band Edge / 1RB0 and 1RB74



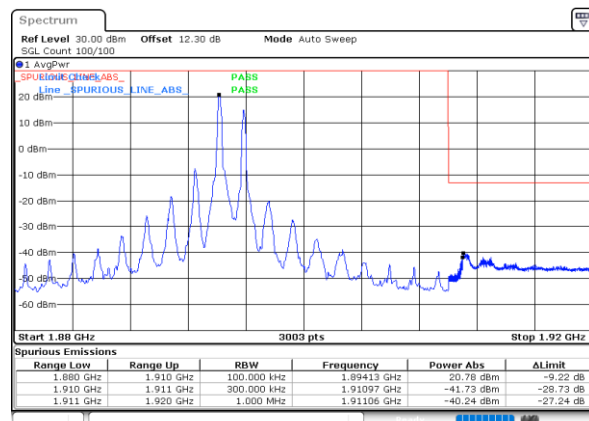
Highest Band Edge / 1RB0 and 1RB74



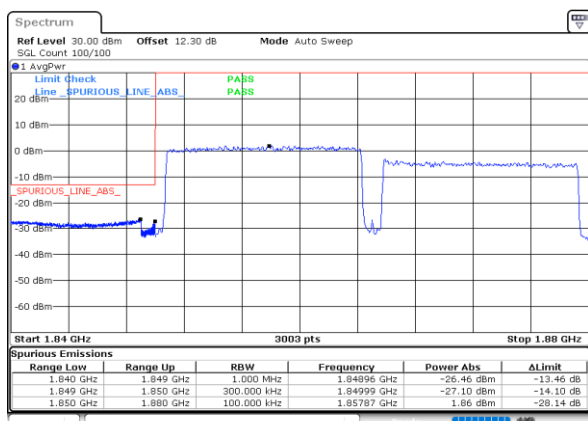
Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

