FCC RADIO TEST REPORT

FCC ID	:	**HD5-CT30PL1N**
Equipment	:	**Mobile computer**
Brand Name	:	**Honeywell**
Model Name	:	**CT30PL1N**
Applicant	:	**Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA**
Manufacturer	:	**Honeywell International Inc. 9680 Old Bailes Road, Fort Mill, SC 29707 USA**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Feb. 14, 2022 and testing was performed from Feb. 25, 2022 to Apr. 28, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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History of this test report

Report No.	Version	Description	Issued Date
FG1N0508B	01	Initial issue of report	Apr. 21, 2022
FG1N0508B	02	1. Add LTE Band 17, Band 41 data 2. Revise report typo 3. Revise description in Test Mode	Apr. 29, 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	Under limit 13.07 dB at 1560.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Declaration of Conformity:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Feature	
HW Version	v1.0
SW Version	OS.11.003-HON.11.003
Sample	Scanner S0703
Antenna Type	WWAN <Ant. 1>: Loop Antenna <Ant. 2>: PIFA Antenna <Ant. 3>: Monopole Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna

Antenna Information	
Antenna Gain	**<Ant. 1>** LTE Band 5: -2.2 dBi LTE Band 7: -0.1 dBi LTE Band 12: -3.0 dBi LTE Band 13: -3.0 dBi LTE Band 17: -3.0 dBi LTE Band 26: -2.2 dBi LTE Band 38: -1.2 dBi LTE Band 41: 0.4 dBi LTE Band 41_HPUE: 0.4 dBi LTE Band 71: -3.6 dBi **<Ant. 2>** LTE Band 2: 1.2 dBi LTE Band 4: 3.0 dBi LTE Band 25: 1.2 dBi LTE Band 66: 3.0 dBi

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. Internal tracking board version is DVT1 and SW PN is 311.C0.00.0838-G-DEBUG.

1.2 Modification of EUT

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

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
Test Engineer	Bryant Liu
Temperature (℃)	22.5~24.4
Relative Humidity (%)	52~58

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.**
	03CH15-HY (TAF Code: 3786)
Test Engineer	Leo Li, Mancy Chou and Bigshow Wang
Temperature (℃)	22.5~24.5
Relative Humidity (%)	40~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.4 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find **<Ant. 1>:** X plane for LTE Band 7C, 12, 13; Y plane for LTE Band 7, 38, 41; Z plane for LTE Band 5, 26, 71; **<Ant. 2>:** X plane for LTE Band 2, 4; Z plane for LTE Band 25, 66 as worst plane.

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

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

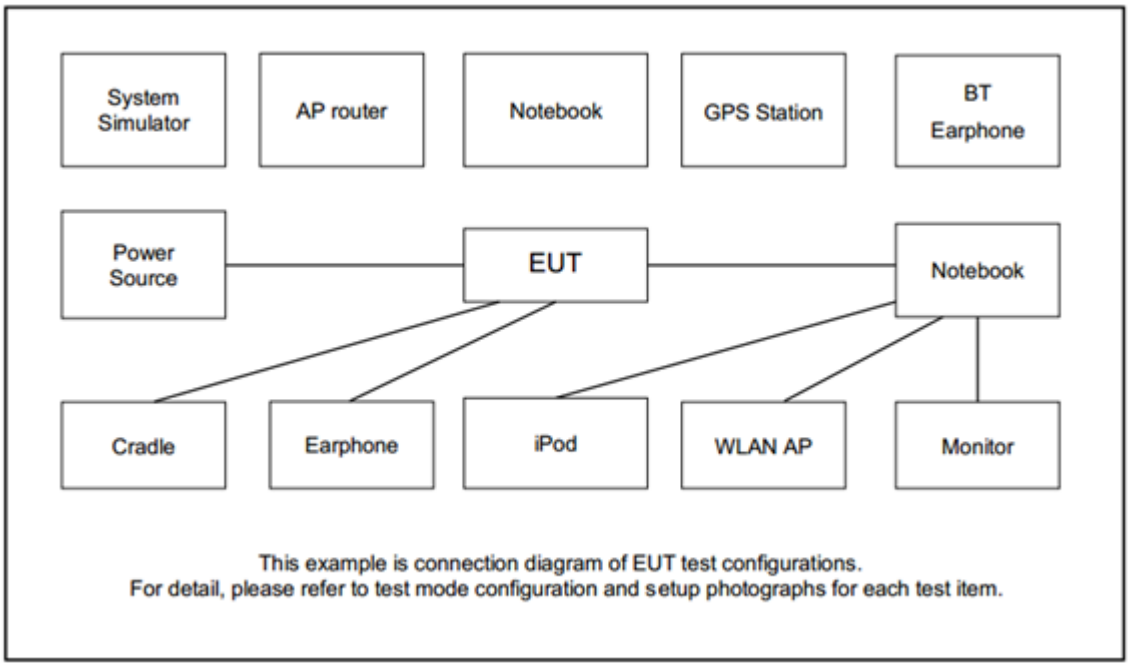
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v		v	v		v
	4	v	v	v	v	v	v	v	v	v	v		v	v		v
	5	v	v	v	v	-	-	v	v	v	v		v	v		v
	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v	v		v	v		v
	13	-	-	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
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
	38	-	-	v	v	v	v	v	v	v	v		v	v		v
	41	-	-	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
	71	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v			v			v	v	v
	4	v	v	v	v	v	v	v			v			v	v	v
	5	v	v	v	v	-	-	v			v			v	v	v
	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
	38	-	-	v	v	v	v	v			v			v	v	v
	41	-	-	v	v	v	v	v			v			v	v	v
	66	v	v	v	v	v	v	v			v			v	v	v
	71	-	-	v	v	v	v	v			v			v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Frequency Stability	2				v			v					v		v	
	4				v			v					v		v	
	5				v	-	-	v					v		v	
	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	-	-		v			v					v		v	
	41	-	-		v			v					v		v	
	66				v			v					v		v	
	71	-	-		v			v					v		v	
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	Max. Power					
	4	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v						
	7	-	-	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v						
	13	-	-	v	v	-	-	v	v	v						
	17	-	-	v	v	-	-	v	v	v						
	25	v	v	v	v	v	v	v	v	v						
	26	v	v	v	v	v	-	v	v	v						
	38	-	-	v	v	v	v	v	v	v						
	41	-	-	v	v	v	v	v	v	v						
	66	v	v	v	v	v	v	v	v	v						
	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	1	Half	Full	L	M	H
Radiated Spurious Emission	2	Worst Case												v	v	v
	4	Worst Case												v	v	v
	5	Worst Case												v	v	v
	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	Worst Case												v	v	v
	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. After assessing, since LTE Band 41 HPUE power higher than LTE Band 41 non-HPUE power, thus LTE Band 41 HPUE is chosen as main test configuration.															

Test Items	Band	Bandwidth (MHz)										Modulation			RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v			v		v	
Conducted Band Edge	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v		v
Conducted Spurious Emission	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v	v	v
E.I.R.P.	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	Max. Power					
Radiated Spurious Emission	7_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.																			

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	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8820C	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 :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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

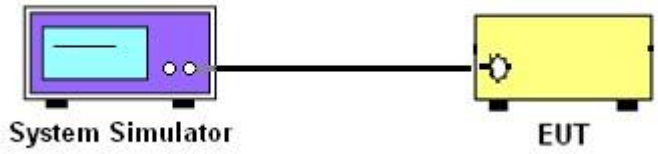
3 Conducted Test Items

3.1 Measuring Instruments

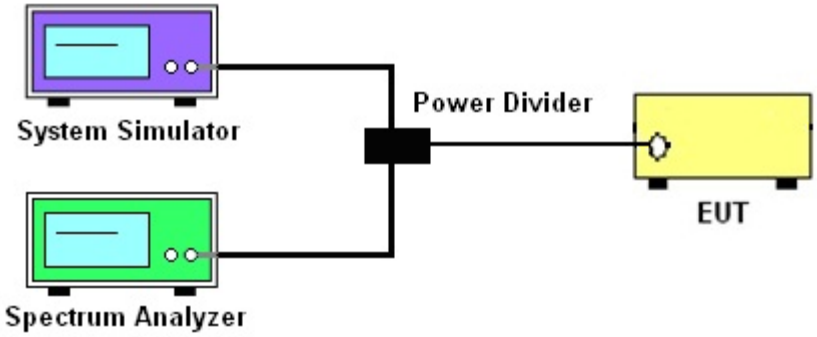
See list of measuring instruments of this test report.

3.1.1 Test Setup

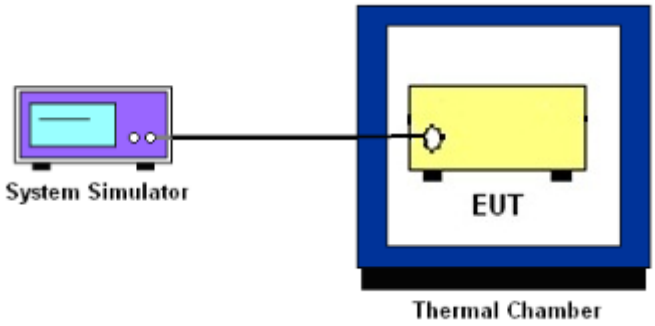
3.1.2 Conducted Output Power



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 + 10log10(P[Watts]) dB below the transmitter power P(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 + 10log10(P[Watts]) dB below the transmitter power P(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[Watts]) dB below the transmitter power P(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 log10 p(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 + 10log10(P[Watts]) dB below the transmitter power P(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 + 10log10(P[Watts]) dB below the transmitter power P(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 that 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 >= 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 + 10log(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 10^{th} 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 + 10log(P)dB below the transmitter power P(Watts)
   For LTE Band 7, 38, 41
   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

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 ±0.00025% (±2.5ppm) 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±5° 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.

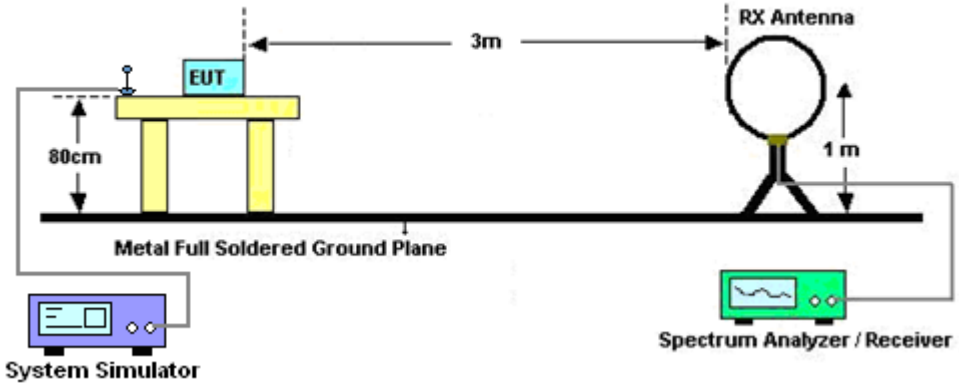
4 Radiated Test Items

4.1 Measuring Instruments

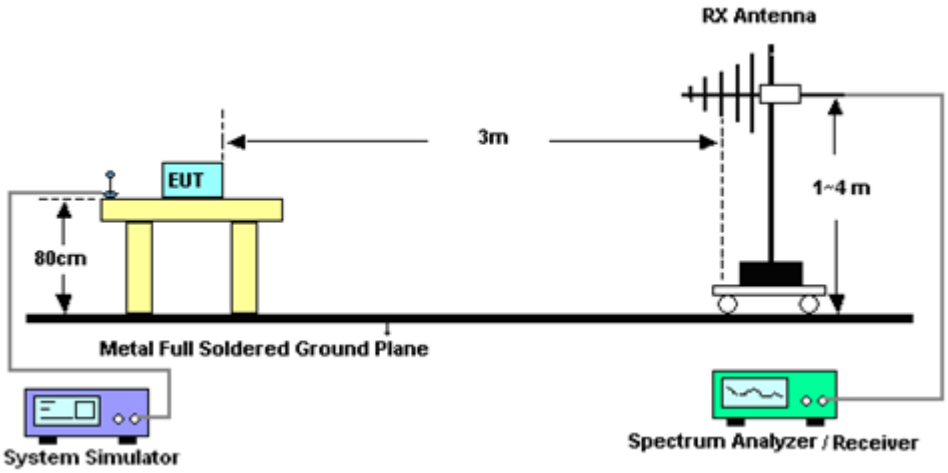
See list of measuring instruments of this test report.

4.1.1 Test Setup

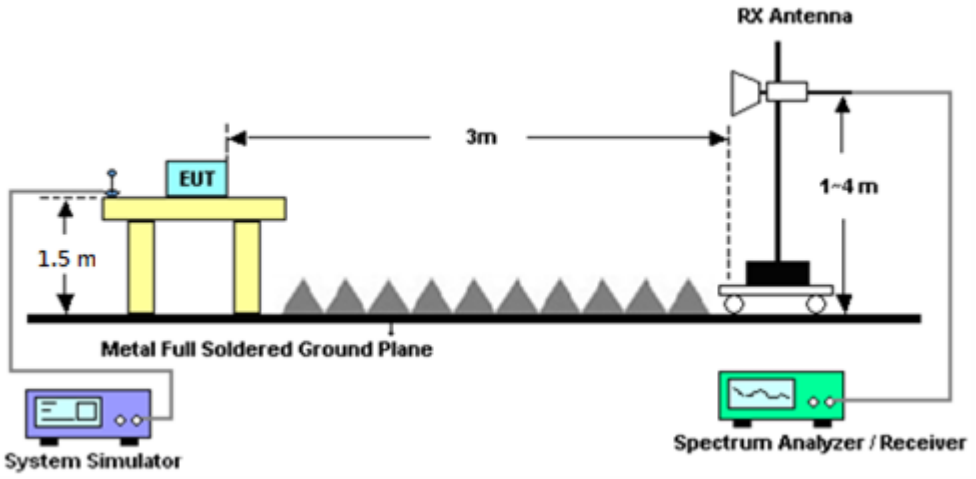
For radiated test below 30MHz



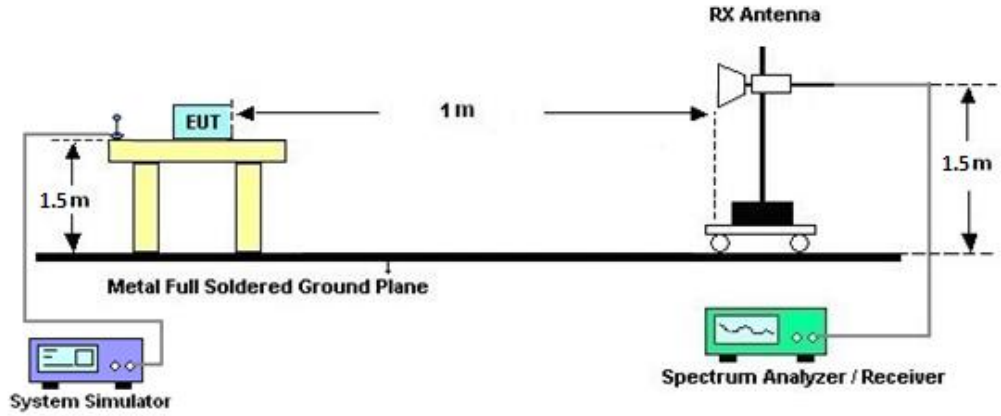
For radiated test from 30MHz to 1GHz



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

    For LTE Band 7, 38, 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Feb. 26, 2022~ Apr. 28, 2022	Sep. 06, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Oct. 09, 2021	Feb. 26, 2022~ Apr. 28, 2022	Oct. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00 800N1D01N-0 6	40103 & 07	30MHz to 1GHz	Apr. 28, 2021	Feb. 26, 2022~ Apr. 26, 2022	Apr. 27, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00 800N1D01N-0 6	35414 & AT-N0602	30MHz to 1GHz	Oct. 09, 2021	Apr. 27, 2022~ Apr. 28, 2022	Oct. 08, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 30, 2021	Feb. 26, 2022~ Apr. 28, 2022	Dec. 29, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-01620	1-18GHz	Oct. 25, 2021	Feb. 26, 2022~ Apr. 28, 2022	Oct. 24, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Oct. 25, 2021	Feb. 26, 2022~ Apr. 28, 2022	Oct. 24, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18GHz- 40GHz	May 11, 2021	Feb. 26, 2022~ Apr. 28, 2022	May 10, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	1710001800 055006	1GHz~18GHz	May 06, 2021	Feb. 26, 2022~ Apr. 28, 2022	May 05, 2022	Radiation (03CH15-HY)
Amplifier	E-INSTRUME NT TECH LTD	ERA-10M-700 0-MR	EC1900247	10MHz-7GHz	Dec. 03, 2021	Feb. 26, 2022~ Apr. 28, 2022	Dec. 02, 2022	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Feb. 26, 2022~ Apr. 28, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Feb. 26, 2022~ Apr. 28, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9038A	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Feb. 26, 2022~ Apr. 28, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Feb. 26, 2022~ Apr. 28, 2022	May 06, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 26, 2022~ Apr. 28, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 26, 2022~ Apr. 28, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k 5)	RK-000451	N/A	N/A	Feb. 26, 2022~ Apr. 28, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE ,508405/2E	30MHz~18G	Nov. 15, 2021	Feb. 26, 2022~ Apr. 28, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE ,508405/2E	30MHz~18G	Nov. 15, 2021	Feb. 26, 2022~ Apr. 28, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE ,508405/2E	30MHz~18G	Nov. 15, 2021	Feb. 26, 2022~ Apr. 28, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Feb. 26, 2022~ Apr. 28, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Feb. 26, 2022~ Mar. 09, 2022	Mar. 10, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Mar. 10, 2022~ Apr. 28, 2022	Mar. 09, 2023	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Jul. 02, 2021	Feb. 26, 2022~ Apr. 28, 2022	Jul. 01, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60ST	SN5	1.2GHz High Pass Filter	Jun. 30, 2021	Feb. 26, 2022~ Apr. 28, 2022	Jun. 30, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 15, 2021	Feb. 26, 2022~ Apr. 28, 2022	Sep. 14, 2022	Radiation (03CH15-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	0.1Hz~40GHz	Dec. 08, 2021	Feb. 26, 2022~ Apr. 28, 2022	Dec. 07, 2022	Radiation (03CH15-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6201664755	2/3/4G/LTE FDD/TDD with44)/LTE-3CC DLCA/2CC ULCA, CatM1/NB1/NB2	Jul. 21, 2021	Feb. 25, 2022~ Apr. 27, 2022	Jul. 20, 2022	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Oct. 01, 2021	Feb. 25, 2022~ Apr. 27, 2022	Sep. 30, 2022	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 09, 2021	Feb. 25, 2022~ Apr. 27, 2022	Sep. 08, 2022	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V；0A~6A	Jan. 06, 2022	Feb. 25, 2022~ Apr. 27, 2022	Jan. 05, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 07, 2022	Feb. 25, 2022~ Apr. 27, 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))	**2.92 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.72 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.94 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.69	23.46	23.79	24.99	0.3155
20	1	49		23.66	23.43	23.75		
20	1	99		23.36	23.38	23.54		
20	50	0		22.67	22.52	22.79		
20	50	24		22.66	22.51	22.84		
20	50	50		22.53	22.44	22.65		
20	100	0		22.64	22.48	22.79		
20	1	0	16-QAM	22.94	22.85	22.95	24.15	0.2600
20	1	49		22.86	22.69	22.88		
20	1	99		22.72	22.69	22.71		
20	50	0		21.72	21.50	21.78		
20	50	24		21.70	21.52	21.89		
20	50	50		21.55	21.46	21.67		
20	100	0		21.63	21.52	21.78		
20	1	0	64-QAM	21.87	21.67	21.99	23.19	0.2084
20	1	49		21.80	21.61	21.87		
20	1	99		21.54	21.62	21.71		
20	50	0		20.71	20.49	20.76		
20	50	24		20.69	20.52	20.88		
20	50	50		20.50	20.42	20.66		
20	100	0		20.62	20.49	20.81		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.63	23.40	23.64	24.84	0.3048
15	1	37		23.54	23.36	23.63		
15	1	74		23.24	23.25	23.38		
15	36	0		22.59	22.40	22.79		
15	36	20		22.55	22.40	22.64		
15	36	39		22.46	22.31	22.45		
15	75	0		22.57	22.28	22.74		
15	1	0	16-QAM	22.81	22.74	22.83	24.04	0.2535
15	1	37		22.67	22.68	22.84		
15	1	74		22.67	22.63	22.60		
15	36	0		21.61	21.40	21.59		
15	36	20		21.51	21.42	21.69		
15	36	39		21.51	21.44	21.58		
15	75	0		21.58	21.35	21.66		
15	1	0	64-QAM	21.81	21.62	21.85	23.05	0.2018
15	1	37		21.75	21.56	21.83		
15	1	74		21.48	21.61	21.54		
15	36	0		20.67	20.34	20.69		
15	36	20		20.62	20.33	20.81		
15	36	39		20.37	20.42	20.57		
15	75	0		20.48	20.33	20.77		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.57	23.37	23.73	24.93	0.3112
10	1	25		23.60	23.35	23.69		
10	1	49		23.16	23.26	23.42		
10	25	0		22.48	22.45	22.61		
10	25	12		22.62	22.42	22.80		
10	25	25		22.44	22.33	22.55		
10	50	0		22.53	22.38	22.71		
10	1	0	16-QAM	22.79	22.83	22.83	24.03	0.2529
10	1	25		22.81	22.61	22.68		
10	1	49		22.66	22.62	22.65		
10	25	0		21.63	21.48	21.73		
10	25	12		21.61	21.47	21.85		
10	25	25		21.48	21.41	21.61		
10	50	0		21.59	21.33	21.78		
10	1	0	64-QAM	21.85	21.61	21.89	23.09	0.2037
10	1	25		21.76	21.60	21.81		
10	1	49		21.51	21.49	21.66		
10	25	0		20.64	20.29	20.76		
10	25	12		20.52	20.47	20.75		
10	25	25		20.45	20.30	20.54		
10	50	0		20.59	20.46	20.80		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.61	23.35	23.69	24.89	0.3083
5	1	12		23.55	23.30	23.65		
5	1	24		23.21	23.33	23.51		
5	12	0		22.62	22.43	22.64		
5	12	7		22.48	22.31	22.67		
5	12	13		22.35	22.41	22.53		
5	25	0		22.47	22.43	22.76		
5	1	0	16-QAM	22.82	22.79	22.89	24.09	0.2564
5	1	12		22.80	22.67	22.78		
5	1	24		22.72	22.61	22.63		
5	12	0		21.55	21.40	21.59		
5	12	7		21.51	21.52	21.70		
5	12	13		21.53	21.46	21.47		
5	25	0		21.44	21.36	21.72		
5	1	0	64-QAM	21.76	21.60	21.95	23.15	0.2065
5	1	12		21.76	21.44	21.75		
5	1	24		21.47	21.56	21.68		
5	12	0		20.54	20.47	20.56		
5	12	7		20.59	20.39	20.83		
5	12	13		20.49	20.36	20.57		
5	25	0		20.49	20.30	20.71		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.53	23.37	23.75	24.95	0.3126
3	1	8		23.58	23.38	23.69		
3	1	14		23.26	23.19	23.48		
3	8	0		22.64	22.44	22.59		
3	8	4		22.51	22.37	22.64		
3	8	7		22.44	22.33	22.56		
3	15	0		22.58	22.36	22.67		
3	1	0	16-QAM	22.94	22.84	22.90	24.14	0.2594
3	1	8		22.77	22.60	22.77		
3	1	14		22.56	22.55	22.56		
3	8	0		21.59	21.32	21.58		
3	8	4		21.55	21.48	21.70		
3	8	7		21.50	21.33	21.49		
3	15	0		21.61	21.39	21.59		
3	1	0	64-QAM	21.67	21.60	21.82	23.02	0.2004
3	1	8		21.70	21.56	21.72		
3	1	14		21.42	21.44	21.62		
3	8	0		20.70	20.49	20.58		
3	8	4		20.57	20.38	20.87		
3	8	7		20.36	20.32	20.61		
3	15	0		20.50	20.41	20.75		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.56	23.39	23.74	24.94	0.3119
1.4	1	3		23.55	23.38	23.74		
1.4	1	5		23.19	23.33	23.45		
1.4	3	0		23.50	23.28	23.63		
1.4	3	1		23.57	23.25	23.72		
1.4	3	3		23.17	23.24	23.53		
1.4	6	0		22.60	22.34	22.72		
1.4	1	0	16-QAM	22.77	22.68	22.90	24.14	0.2594
1.4	1	3		22.85	22.54	22.74		
1.4	1	5		22.62	22.69	22.64		
1.4	3	0		22.91	22.73	22.94		
1.4	3	1		22.68	22.52	22.81		
1.4	3	3		22.68	22.56	22.60		
1.4	6	0		21.61	21.51	21.63		
1.4	1	0	64-QAM	21.67	21.49	21.97	23.17	0.2075
1.4	1	3		21.66	21.43	21.71		
1.4	1	5		21.44	21.53	21.55		
1.4	3	0		21.62	21.45	21.75		
1.4	3	1		21.46	21.53	21.70		
1.4	3	3		20.55	20.51	20.59		
1.4	6	0		20.45	20.42	20.65		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.62	23.44	23.92	25.12	0.3251
20	1	49		23.61	23.41	23.87		
20	1	99		23.31	23.27	23.69		
20	50	0		22.74	22.47	22.88		
20	50	24		22.62	22.42	22.94		
20	50	50		22.56	22.46	22.91		
20	100	0		22.61	22.51	22.97		
20	1	0	16-QAM	22.90	22.80	22.93	24.13	0.2588
20	1	49		22.83	22.69	22.91		
20	1	99		22.64	22.65	22.82		
20	50	0		21.71	21.50	21.92		
20	50	24		21.64	21.49	21.93		
20	50	50		21.61	21.50	21.95		
20	100	0		21.60	21.50	21.94		
20	1	0	64-QAM	21.83	21.64	21.97	23.20	0.2089
20	1	49		21.78	21.69	22.00		
20	1	99		21.55	21.50	21.91		
20	50	0		20.72	20.47	20.87		
20	50	24		20.61	20.48	20.91		
20	50	50		20.58	20.45	20.93		
20	100	0		20.61	20.50	20.93		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.52	23.34	23.76	25.02	0.3177
15	1	37		23.57	23.27	23.82		
15	1	74		23.19	23.08	23.64		
15	36	0		22.58	22.38	22.87		
15	36	20		22.62	22.25	22.79		
15	36	39		22.53	22.29	22.91		
15	75	0		22.58	22.49	22.77		
15	1	0	16-QAM	22.80	22.78	22.93	24.13	0.2588
15	1	37		22.63	22.59	22.87		
15	1	74		22.55	22.49	22.72		
15	36	0		21.69	21.31	21.87		
15	36	20		21.46	21.31	21.73		
15	36	39		21.45	21.36	21.94		
15	75	0		21.52	21.45	21.81		
15	1	0	64-QAM	21.69	21.46	21.82	23.04	0.2014
15	1	37		21.69	21.64	21.84		
15	1	74		21.52	21.33	21.84		
15	36	0		20.53	20.47	20.85		
15	36	20		20.59	20.32	20.79		
15	36	39		20.41	20.41	20.92		
15	75	0		20.49	20.38	20.75		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.56	23.27	23.75	24.95	0.3126
10	1	25		23.51	23.21	23.72		
10	1	49		23.25	23.16	23.50		
10	25	0		22.57	22.39	22.84		
10	25	12		22.59	22.22	22.85		
10	25	25		22.49	22.36	22.81		
10	50	0		22.43	22.31	22.95		
10	1	0	16-QAM	22.77	22.61	22.89	24.09	0.2564
10	1	25		22.63	22.61	22.72		
10	1	49		22.64	22.52	22.80		
10	25	0		21.65	21.38	21.88		
10	25	12		21.46	21.46	21.86		
10	25	25		21.49	21.44	21.80		
10	50	0		21.51	21.30	21.92		
10	1	0	64-QAM	21.76	21.60	21.82	23.20	0.2089
10	1	25		21.68	21.49	22.00		
10	1	49		21.44	21.40	21.88		
10	25	0		20.61	20.28	20.81		
10	25	12		20.41	20.38	20.73		
10	25	25		20.57	20.28	20.82		
10	50	0		20.46	20.49	20.85		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.59	23.31	23.76	24.96	0.3133
5	1	12		23.46	23.34	23.72		
5	1	24		23.22	23.22	23.58		
5	12	0		22.58	22.44	22.73		
5	12	7		22.48	22.42	22.90		
5	12	13		22.42	22.41	22.81		
5	25	0		22.55	22.42	22.88		
5	1	0	16-QAM	22.71	22.77	22.85	24.05	0.2541
5	1	12		22.75	22.65	22.80		
5	1	24		22.47	22.57	22.76		
5	12	0		21.51	21.40	21.72		
5	12	7		21.44	21.32	21.82		
5	12	13		21.55	21.45	21.89		
5	25	0		21.40	21.47	21.93		
5	1	0	64-QAM	21.74	21.49	21.89	23.13	0.2056
5	1	12		21.62	21.58	21.93		
5	1	24		21.38	21.33	21.80		
5	12	0		20.72	20.28	20.87		
5	12	7		20.47	20.38	20.73		
5	12	13		20.44	20.43	20.73		
5	25	0		20.54	20.49	20.90		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.48	23.26	23.90	25.10	0.3236
3	1	8		23.55	23.38	23.77		
3	1	14		23.29	23.26	23.55		
3	8	0		22.64	22.46	22.79		
3	8	4		22.50	22.31	22.89		
3	8	7		22.42	22.36	22.71		
3	15	0		22.60	22.33	22.91		
3	1	0	16-QAM	22.87	22.70	22.79	24.10	0.2570
3	1	8		22.63	22.69	22.90		
3	1	14		22.55	22.61	22.67		
3	8	0		21.69	21.30	21.89		
3	8	4		21.64	21.41	21.81		
3	8	7		21.52	21.35	21.81		
3	15	0		21.49	21.48	21.88		
3	1	0	64-QAM	21.82	21.48	21.90	23.19	0.2084
3	1	8		21.69	21.55	21.99		
3	1	14		21.42	21.30	21.74		
3	8	0		20.59	20.46	20.69		
3	8	4		20.47	20.31	20.80		
3	8	7		20.41	20.30	20.77		
3	15	0		20.48	20.47	20.89		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.56	23.41	23.77	25.03	0.3184
1.4	1	3		23.61	23.38	23.83		
1.4	1	5		23.19	23.24	23.62		
1.4	3	0		23.48	23.31	23.75		
1.4	3	1		23.58	23.22	23.80		
1.4	3	3		23.29	23.23	23.61		
1.4	6	0		22.56	22.49	22.91		
1.4	1	0	16-QAM	22.77	22.61	22.88	24.08	0.2559
1.4	1	3		22.68	22.51	22.84		
1.4	1	5		22.61	22.57	22.74		
1.4	3	0		22.87	22.66	22.74		
1.4	3	1		22.68	22.69	22.73		
1.4	3	3		22.48	22.61	22.71		
1.4	6	0		21.53	21.45	21.83		
1.4	1	0	64-QAM	21.77	21.60	21.90	23.12	0.2051
1.4	1	3		21.77	21.58	21.85		
1.4	1	5		21.40	21.34	21.83		
1.4	3	0		21.70	21.47	21.91		
1.4	3	1		21.76	21.51	21.92		
1.4	3	3		21.40	21.32	21.84		
1.4	6	0		20.53	20.31	20.85		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.52	23.66	23.48	26.66	0.4634
20	1	49		23.36	23.43	23.42		
20	1	99		23.42	23.42	23.36		
20	50	0		22.49	22.64	22.49		
20	50	24		22.52	22.63	22.50		
20	50	50		22.48	22.55	22.43		
20	100	0		22.50	22.54	22.53		
20	1	0	16-QAM	22.65	22.67	22.64	25.88	0.3873
20	1	49		22.75	22.88	22.69		
20	1	99		22.67	22.65	22.53		
20	50	0		21.51	21.64	21.50		
20	50	24		21.57	21.66	21.53		
20	50	50		21.52	21.59	21.47		
20	100	0		21.49	21.54	21.52		
20	1	0	64-QAM	21.53	21.60	21.67	24.80	0.3020
20	1	49		21.64	21.80	21.63		
20	1	99		21.65	21.60	21.53		
20	50	0		20.49	20.62	20.48		
20	50	24		20.54	20.65	20.51		
20	50	50		20.47	20.56	20.44		
20	100	0		20.49	20.55	20.50		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.39	23.46	23.30	26.46	0.4426
15	1	37		23.20	23.23	23.32		
15	1	74		23.33	23.34	23.28		
15	36	0		22.35	22.59	22.41		
15	36	20		22.49	22.57	22.49		
15	36	39		22.40	22.43	22.28		
15	75	0		22.46	22.47	22.49		
15	1	0	16-QAM	22.52	22.62	22.48	25.81	0.3811
15	1	37		22.57	22.81	22.49		
15	1	74		22.48	22.63	22.33		
15	36	0		21.45	21.54	21.43		
15	36	20		21.47	21.49	21.49		
15	36	39		21.52	21.44	21.45		
15	75	0		21.35	21.49	21.50		
15	1	0	64-QAM	21.53	21.49	21.52	24.74	0.2979
15	1	37		21.58	21.74	21.45		
15	1	74		21.56	21.40	21.42		
15	36	0		20.34	20.56	20.48		
15	36	20		20.38	20.56	20.46		
15	36	39		20.35	20.54	20.29		
15	75	0		20.34	20.36	20.36		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.45	23.46	23.37	26.46	0.4426
10	1	25		23.36	23.29	23.31		
10	1	49		23.29	23.23	23.19		
10	25	0		22.42	22.61	22.39		
10	25	12		22.42	22.59	22.47		
10	25	25		22.41	22.47	22.41		
10	50	0		22.42	22.47	22.48		
10	1	0	16-QAM	22.50	22.57	22.64	25.74	0.3750
10	1	25		22.72	22.74	22.57		
10	1	49		22.64	22.54	22.38		
10	25	0		21.33	21.59	21.36		
10	25	12		21.57	21.56	21.36		
10	25	25		21.36	21.51	21.37		
10	50	0		21.47	21.46	21.51		
10	1	0	64-QAM	21.40	21.48	21.64	24.73	0.2972
10	1	25		21.54	21.73	21.43		
10	1	49		21.49	21.46	21.50		
10	25	0		20.29	20.58	20.31		
10	25	12		20.47	20.54	20.46		
10	25	25		20.46	20.52	20.24		
10	50	0		20.42	20.41	20.38		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.39	23.62	23.29	26.62	0.4592
5	1	12		23.22	23.37	23.30		
5	1	24		23.31	23.39	23.35		
5	12	0		22.42	22.49	22.33		
5	12	7		22.36	22.50	22.34		
5	12	13		22.28	22.53	22.41		
5	25	0		22.38	22.43	22.51		
5	1	0	16-QAM	22.45	22.57	22.44	25.80	0.3802
5	1	12		22.72	22.80	22.51		
5	1	24		22.65	22.55	22.41		
5	12	0		21.40	21.55	21.37		
5	12	7		21.38	21.64	21.35		
5	12	13		21.44	21.55	21.41		
5	25	0		21.35	21.50	21.46		
5	1	0	64-QAM	21.47	21.56	21.48	24.71	0.2958
5	1	12		21.59	21.71	21.59		
5	1	24		21.55	21.51	21.33		
5	12	0		20.46	20.61	20.29		
5	12	7		20.51	20.51	20.47		
5	12	13		20.29	20.43	20.43		
5	25	0		20.42	20.35	20.34		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.45	23.50	23.29	26.50	0.4467
3	1	8		23.27	23.23	23.31		
3	1	14		23.42	23.34	23.35		
3	8	0		22.33	22.62	22.47		
3	8	4		22.49	22.62	22.38		
3	8	7		22.28	22.36	22.26		
3	15	0		22.39	22.36	22.33		
3	1	0	16-QAM	22.60	22.52	22.53	25.88	0.3873
3	1	8		22.73	22.88	22.66		
3	1	14		22.47	22.52	22.33		
3	8	0		21.36	21.45	21.47		
3	8	4		21.46	21.59	21.48		
3	8	7		21.42	21.43	21.45		
3	15	0		21.46	21.37	21.39		
3	1	0	64-QAM	21.35	21.44	21.57	24.77	0.2999
3	1	8		21.61	21.77	21.45		
3	1	14		21.64	21.49	21.45		
3	8	0		20.32	20.45	20.47		
3	8	4		20.41	20.65	20.39		
3	8	7		20.29	20.49	20.25		
3	15	0		20.45	20.43	20.43		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.43	23.46	23.42	26.50	0.4467
1.4	1	3		23.32	23.34	23.29		
1.4	1	5		23.37	23.35	23.18		
1.4	3	0		23.47	23.50	23.34		
1.4	3	1		23.24	23.37	23.38		
1.4	3	3		23.41	23.41	23.36		
1.4	6	0		22.45	22.54	22.41		
1.4	1	0	16-QAM	22.54	22.55	22.62	25.77	0.3776
1.4	1	3		22.58	22.72	22.63		
1.4	1	5		22.53	22.46	22.43		
1.4	3	0		22.56	22.67	22.45		
1.4	3	1		22.74	22.77	22.51		
1.4	3	3		22.49	22.56	22.36		
1.4	6	0		21.31	21.44	21.49		
1.4	1	0	64-QAM	21.46	21.51	21.54	24.64	0.2911
1.4	1	3		21.64	21.62	21.46		
1.4	1	5		21.57	21.47	21.52		
1.4	3	0		21.37	21.58	21.61		
1.4	3	1		21.56	21.63	21.54		
1.4	3	3		21.57	21.60	21.45		
1.4	6	0		20.32	20.54	20.50		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.58	23.53	23.76	19.41	0.0873
10	1	25		23.26	23.32	23.57		
10	1	49		23.75	23.64	23.74		
10	25	0		22.33	22.32	22.52		
10	25	12		22.36	22.36	22.58		
10	25	25		22.38	22.46	22.66		
10	50	0		22.41	22.31	22.57		
10	1	0	16-QAM	22.83	22.72	22.81	18.65	0.0733
10	1	25		22.65	22.64	22.83		
10	1	49		22.97	22.85	23.00		
10	25	0		21.32	21.28	21.53		
10	25	12		21.34	21.35	21.54		
10	25	25		21.36	21.41	21.63		
10	50	0		21.40	21.29	21.57		
10	1	0	64-QAM	21.62	21.64	21.69	17.65	0.0582
10	1	25		21.40	21.43	21.70		
10	1	49		21.80	21.75	22.00		
10	25	0		20.32	20.26	20.51		
10	25	12		20.33	20.37	20.56		
10	25	25		20.39	20.42	20.65		
10	50	0		20.39	20.28	20.54		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.56	23.45	23.57	19.23	0.0838
5	1	12		23.09	23.18	23.37		
5	1	24		23.55	23.48	23.58		
5	12	0		22.23	22.23	22.48		
5	12	7		22.18	22.32	22.38		
5	12	13		22.35	22.26	22.64		
5	25	0		22.22	22.31	22.41		
5	1	0	16-QAM	22.65	22.65	22.71	18.61	0.0726
5	1	12		22.62	22.50	22.67		
5	1	24		22.96	22.67	22.94		
5	12	0		21.26	21.26	21.47		
5	12	7		21.15	21.15	21.37		
5	12	13		21.16	21.28	21.43		
5	25	0		21.30	21.14	21.38		
5	1	0	64-QAM	21.59	21.56	21.52	17.63	0.0579
5	1	12		21.20	21.25	21.59		
5	1	24		21.74	21.72	21.98		
5	12	0		20.18	20.18	20.43		
5	12	7		20.16	20.23	20.53		
5	12	13		20.35	20.22	20.63		
5	25	0		20.28	20.09	20.34		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.39	23.37	23.58	19.38	0.0867
3	1	8		23.18	23.23	23.51		
3	1	14		23.73	23.59	23.55		
3	8	0		22.19	22.14	22.32		
3	8	4		22.25	22.18	22.39		
3	8	7		22.23	22.44	22.60		
3	15	0		22.38	22.14	22.46		
3	1	0	16-QAM	22.66	22.72	22.73	18.62	0.0728
3	1	8		22.57	22.59	22.73		
3	1	14		22.79	22.70	22.97		
3	8	0		21.19	21.22	21.44		
3	8	4		21.24	21.34	21.40		
3	8	7		21.27	21.25	21.47		
3	15	0		21.22	21.27	21.45		
3	1	0	64-QAM	21.42	21.61	21.60	17.57	0.0571
3	1	8		21.34	21.25	21.51		
3	1	14		21.73	21.60	21.92		
3	8	0		20.28	20.14	20.43		
3	8	4		20.18	20.18	20.49		
3	8	7		20.28	20.30	20.46		
3	15	0		20.19	20.21	20.46		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.56	23.48	23.67	19.35	0.0861
1.4	1	3		23.14	23.27	23.57		
1.4	1	5		23.70	23.47	23.57		
1.4	3	0		23.41	23.40	23.70		
1.4	3	1		23.13	23.26	23.43		
1.4	3	3		23.64	23.46	23.65		
1.4	6	0		22.34	22.19	22.47		
1.4	1	0	16-QAM	22.76	22.72	22.70	18.61	0.0726
1.4	1	3		22.63	22.53	22.69		
1.4	1	5		22.96	22.66	22.85		
1.4	3	0		22.68	22.54	22.81		
1.4	3	1		22.54	22.55	22.80		
1.4	3	3		22.78	22.72	22.83		
1.4	6	0		21.33	21.26	21.43		
1.4	1	0	64-QAM	21.42	21.49	21.69	17.54	0.0568
1.4	1	3		21.26	21.41	21.50		
1.4	1	5		21.77	21.57	21.89		
1.4	3	0		21.56	21.58	21.65		
1.4	3	1		21.34	21.28	21.62		
1.4	3	3		21.78	21.68	21.84		
1.4	6	0		20.34	20.08	20.41		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.56	23.63	23.52	23.53	0.2254
20	1	49		23.58	23.59	23.52		
20	1	99		23.50	23.57	23.49		
20	50	0		22.60	22.61	22.52		
20	50	24		22.58	22.57	22.48		
20	50	50		22.56	22.52	22.55		
20	100	0		22.59	22.55	22.50		
20	1	0	16-QAM	22.79	22.87	22.76	22.77	0.1892
20	1	49		22.83	22.79	22.69		
20	1	99		22.73	22.85	22.82		
20	50	0		21.58	21.59	21.48		
20	50	24		21.60	21.58	21.51		
20	50	50		21.56	21.50	21.55		
20	100	0		21.55	21.54	21.47		
20	1	0	64-QAM	21.72	21.76	21.65	21.66	0.1466
20	1	49		21.71	21.66	21.63		
20	1	99		21.69	21.69	21.65		
20	50	0		20.54	20.54	20.48		
20	50	24		20.55	20.54	20.44		
20	50	50		20.48	20.46	20.50		
20	100	0		20.50	20.52	20.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.52	23.62	23.51	23.52	0.2249
15	1	37		23.40	23.56	23.32		
15	1	74		23.38	23.52	23.43		
15	36	0		22.45	22.42	22.36		
15	36	20		22.52	22.38	22.47		
15	36	39		22.49	22.49	22.53		
15	75	0		22.50	22.53	22.30		
15	1	0	16-QAM	22.79	22.86	22.72	22.76	0.1888
15	1	37		22.77	22.76	22.53		
15	1	74		22.58	22.84	22.76		
15	36	0		21.47	21.47	21.29		
15	36	20		21.52	21.49	21.51		
15	36	39		21.38	21.36	21.52		
15	75	0		21.50	21.47	21.32		
15	1	0	64-QAM	21.59	21.71	21.56	21.61	0.1449
15	1	37		21.55	21.49	21.58		
15	1	74		21.55	21.64	21.50		
15	36	0		20.50	20.54	20.46		
15	36	20		20.55	20.50	20.29		
15	36	39		20.41	20.33	20.39		
15	75	0		20.30	20.42	20.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.54	23.49	23.45	23.48	0.2228
10	1	25		23.58	23.40	23.33		
10	1	49		23.34	23.46	23.32		
10	25	0		22.52	22.49	22.47		
10	25	12		22.53	22.47	22.43		
10	25	25		22.51	22.52	22.46		
10	50	0		22.59	22.40	22.30		
10	1	0	16-QAM	22.79	22.76	22.67	22.70	0.1862
10	1	25		22.80	22.78	22.60		
10	1	49		22.67	22.80	22.75		
10	25	0		21.51	21.43	21.32		
10	25	12		21.54	21.42	21.39		
10	25	25		21.38	21.47	21.52		
10	50	0		21.55	21.40	21.34		
10	1	0	64-QAM	21.59	21.68	21.57	21.58	0.1439
10	1	25		21.57	21.49	21.44		
10	1	49		21.60	21.52	21.53		
10	25	0		20.48	20.48	20.31		
10	25	12		20.39	20.39	20.29		
10	25	25		20.42	20.35	20.39		
10	50	0		20.40	20.49	20.42		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.39	23.50	23.34	23.40	0.2188
5	1	12		23.48	23.40	23.35		
5	1	24		23.30	23.38	23.42		
5	12	0		22.51	22.55	22.41		
5	12	7		22.45	22.56	22.44		
5	12	13		22.48	22.37	22.37		
5	25	0		22.53	22.47	22.37		
5	1	0	16-QAM	22.60	22.83	22.60	22.73	0.1875
5	1	12		22.63	22.74	22.60		
5	1	24		22.56	22.77	22.65		
5	12	0		21.42	21.52	21.48		
5	12	7		21.52	21.52	21.31		
5	12	13		21.37	21.43	21.49		
5	25	0		21.55	21.35	21.29		
5	1	0	64-QAM	21.69	21.76	21.57	21.66	0.1466
5	1	12		21.58	21.53	21.61		
5	1	24		21.50	21.62	21.52		
5	12	0		20.53	20.46	20.40		
5	12	7		20.38	20.42	20.31		
5	12	13		20.32	20.31	20.49		
5	25	0		20.39	20.44	20.24		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.44	24.25	24.42	19.29	0.0849
10	1	25		24.29	24.18	24.06		
10	1	49		24.39	24.17	24.08		
10	25	0		23.34	23.05	23.21		
10	25	12		23.24	23.17	23.09		
10	25	25		23.37	23.15	23.00		
10	50	0		23.38	23.23	23.18		
10	1	0	16-QAM	23.45	23.33	23.43	18.3	0.0676
10	1	25		23.37	23.34	23.19		
10	1	49		23.33	23.33	23.22		
10	25	0		22.34	22.18	22.21		
10	25	12		22.30	22.21	22.07		
10	25	25		22.40	22.07	22.04		
10	50	0		22.37	22.31	22.16		
10	1	0	64-QAM	22.37	22.28	22.46	17.31	0.0538
10	1	25		22.41	22.21	22.14		
10	1	49		22.36	22.22	22.23		
10	25	0		21.34	21.05	21.19		
10	25	12		21.28	21.11	21.06		
10	25	25		21.35	21.09	21.05		
10	50	0		21.35	21.24	21.13		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.42	24.21	24.36	19.27	0.0845
5	1	12		24.21	24.09	23.96		
5	1	24		24.34	24.14	24.06		
5	12	0		23.33	22.99	23.18		
5	12	7		23.21	23.16	23.04		
5	12	13		23.37	23.15	22.94		
5	25	0		23.29	23.19	23.17		
5	1	0	16-QAM	23.37	23.31	23.35	18.22	0.0664
5	1	12		23.28	23.25	23.18		
5	1	24		23.29	23.27	23.16		
5	12	0		22.33	22.13	22.11		
5	12	7		22.27	22.20	22.02		
5	12	13		22.31	21.98	22.01		
5	25	0		22.32	22.26	22.11		
5	1	0	64-QAM	22.29	22.27	22.44	17.29	0.0536
5	1	12		22.41	22.20	22.11		
5	1	24		22.27	22.18	22.17		
5	12	0		21.27	21.03	21.12		
5	12	7		21.18	21.02	20.99		
5	12	13		21.34	21.00	21.02		
5	25	0		21.34	21.17	21.12		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.35	24.24	24.39	19.24	0.0839
3	1	8		24.24	24.17	24.02		
3	1	14		24.32	24.17	24.05		
3	8	0		23.30	23.03	23.20		
3	8	4		23.23	23.08	23.01		
3	8	7		23.29	23.13	22.99		
3	15	0		23.28	23.20	23.13		
3	1	0	16-QAM	23.37	23.28	23.37	18.22	0.0664
3	1	8		23.34	23.33	23.17		
3	1	14		23.31	23.27	23.13		
3	8	0		22.31	22.11	22.12		
3	8	4		22.26	22.11	22.04		
3	8	7		22.33	22.04	22.02		
3	15	0		22.28	22.24	22.07		
3	1	0	64-QAM	22.31	22.21	22.41	17.26	0.0532
3	1	8		22.36	22.18	22.09		
3	1	14		22.31	22.14	22.13		
3	8	0		21.30	20.99	21.12		
3	8	4		21.23	21.01	21.05		
3	8	7		21.29	21.02	21.03		
3	15	0		21.32	21.17	21.03		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.41	24.11	24.40	19.35	0.0861
1.4	1	3		24.19	24.16	23.91		
1.4	1	5		24.50	24.13	24.02		
1.4	3	0		24.34	24.18	24.24		
1.4	3	1		24.28	23.98	23.93		
1.4	3	3		24.38	24.10	24.08		
1.4	6	0		23.22	23.18	23.07		
1.4	1	0	16-QAM	23.42	23.18	23.46	18.31	0.0678
1.4	1	3		23.44	23.15	23.09		
1.4	1	5		23.37	23.14	23.12		
1.4	3	0		23.33	23.32	23.46		
1.4	3	1		23.36	23.28	23.03		
1.4	3	3		23.34	23.24	23.14		
1.4	6	0		22.28	22.24	21.97		
1.4	1	0	64-QAM	22.33	22.13	22.43	17.35	0.0543
1.4	1	3		22.41	22.13	22.00		
1.4	1	5		22.34	22.06	22.03		
1.4	3	0		22.27	22.08	22.50		
1.4	3	1		22.38	22.15	22.00		
1.4	3	3		22.47	22.11	22.06		
1.4	6	0		21.26	21.12	21.01		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.74	-	18.59	0.0723
10	1	25			23.46			
10	1	49			23.70			
10	25	0			22.62			
10	25	12			22.49			
10	25	25			22.49			
10	50	0			22.53			
10	1	0	16-QAM		22.69		17.66	0.0583
10	1	25			22.67			
10	1	49			22.81			
10	25	0			21.64			
10	25	12			21.50			
10	25	25			21.48			
10	50	0			21.56			
10	1	0	64-QAM		21.60		16.6	0.0457
10	1	25			21.61			
10	1	49			21.75			
10	25	0			20.59			
10	25	12			20.48			
10	25	25			20.47			
10	50	0			20.51			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.61	23.61	23.52	18.46	0.0701
5	1	12		23.25	23.28	23.15		
5	1	24		23.57	23.60	23.50		
5	12	0		22.42	22.52	22.31		
5	12	7		22.23	22.31	22.18		
5	12	13		22.27	22.43	22.19		
5	25	0		22.33	22.33	22.21		
5	1	0	16-QAM	22.51	22.61	22.33	17.52	0.0565
5	1	12		22.58	22.67	22.54		
5	1	24		22.63	22.66	22.62		
5	12	0		21.42	21.57	21.25		
5	12	7		21.27	21.41	21.15		
5	12	13		21.41	21.45	21.40		
5	25	0		21.37	21.42	21.31		
5	1	0	64-QAM	21.42	21.50	21.29	16.44	0.0441
5	1	12		21.52	21.58	21.35		
5	1	24		21.42	21.59	21.39		
5	12	0		20.23	20.40	20.16		
5	12	7		20.35	20.42	20.23		
5	12	13		20.30	20.33	20.15		
5	25	0		20.20	20.31	20.03		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.34	24.25	24.42	19.27	0.0845
10	1	25		24.20	24.18	24.06		
10	1	49		24.34	24.17	24.08		
10	25	0		23.14	23.05	23.21		
10	25	12		23.21	23.17	23.09		
10	25	25		23.35	23.15	23.00		
10	50	0		23.08	23.23	23.18		
10	1	0	16-QAM	23.43	23.33	23.43	18.28	0.0673
10	1	25		23.34	23.27	23.19		
10	1	49		23.33	23.23	23.22		
10	25	0		22.18	22.24	22.21		
10	25	12		22.21	22.31	22.07		
10	25	25		22.07	22.42	22.04		
10	50	0		22.31	22.27	22.16		
10	1	0	64-QAM	22.28	22.33	22.46	17.31	0.0538
10	1	25		22.21	22.41	22.14		
10	1	49		22.22	22.36	22.23		
10	25	0		21.05	21.34	21.19		
10	25	12		21.11	21.28	21.06		
10	25	25		21.09	21.35	21.05		
10	50	0		21.24	21.35	21.13		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.41	24.21	24.36	19.26	0.0843
5	1	12		24.09	24.21	23.96		
5	1	24		24.14	24.34	24.06		
5	12	0		22.99	23.23	23.18		
5	12	7		23.16	23.21	23.04		
5	12	13		23.15	23.37	22.94		
5	25	0		23.19	23.29	23.17		
5	1	0	16-QAM	23.31	23.37	23.35	18.22	0.0664
5	1	12		23.25	23.24	23.18		
5	1	24		23.27	23.29	23.16		
5	12	0		22.13	22.33	22.11		
5	12	7		22.20	22.17	22.02		
5	12	13		21.98	22.31	22.01		
5	25	0		22.26	22.32	22.11		
5	1	0	64-QAM	22.27	22.29	22.44	17.29	0.0536
5	1	12		22.20	22.31	22.11		
5	1	24		22.18	22.27	22.17		
5	12	0		21.03	21.27	21.12		
5	12	7		21.02	21.18	20.99		
5	12	13		21.00	21.34	21.02		
5	25	0		21.17	21.34	21.12		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.09	23.03	23.02	18.74	0.0748
15	1	37		23.00	22.82	22.82		
15	1	74		22.80	22.95	22.74		
15	36	0		22.02	21.64	21.86		
15	36	20		22.07	21.71	22.04		
15	36	39		21.97	21.90	21.78		
15	75	0		21.97	21.90	21.89		
15	1	0	16-QAM	22.30	22.38	22.12	18.05	0.0638
15	1	37		22.37	22.21	22.39		
15	1	74		22.14	22.40	21.97		
15	36	0		21.05	20.85	20.89		
15	36	20		21.11	21.00	21.08		
15	36	39		21.01	21.09	20.84		
15	75	0		21.01	20.67	20.92		
15	1	0	64-QAM	21.25	21.02	21.06	16.99	0.0500
15	1	37		21.29	20.78	21.34		
15	1	74		21.04	21.16	21.02		
15	36	0		20.08	19.88	19.92		
15	36	20		20.14	19.89	20.10		
15	36	39		20.03	19.99	19.87		
15	75	0		20.01	19.82	19.93		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.96	23.03	22.99	18.72	0.0745
10	1	25		22.71	23.07	22.82		
10	1	49		22.81	22.83	22.76		
10	25	0		21.63	21.89	21.93		
10	25	12		21.97	22.18	22.13		
10	25	25		21.94	21.98	21.68		
10	50	0		21.83	22.04	21.99		
10	1	0	16-QAM	22.35	22.29	22.19	18.00	0.0631
10	1	25		22.18	22.18	22.30		
10	1	49		22.15	22.24	21.63		
10	25	0		20.56	21.07	20.85		
10	25	12		20.80	20.96	21.12		
10	25	25		21.04	20.96	20.94		
10	50	0		20.88	20.91	20.98		
10	1	0	64-QAM	21.34	21.17	20.97	17.00	0.0501
10	1	25		21.01	21.34	21.35		
10	1	49		21.17	21.12	21.02		
10	25	0		19.67	20.17	19.98		
10	25	12		19.68	20.13	20.03		
10	25	25		20.01	19.87	19.96		
10	50	0		19.86	20.02	20.03		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.05	23.05	22.96	18.83	0.0764
5	1	12		22.71	23.18	22.75		
5	1	24		22.80	22.85	22.74		
5	12	0		21.68	21.86	21.78		
5	12	7		21.86	21.97	21.95		
5	12	13		21.99	21.90	21.68		
5	25	0		21.74	21.99	21.94		
5	1	0	16-QAM	22.16	22.25	22.15	18.07	0.0641
5	1	12		22.11	22.37	22.42		
5	1	24		22.38	22.10	21.56		
5	12	0		20.80	21.02	20.94		
5	12	7		20.84	21.16	21.15		
5	12	13		21.14	21.04	20.93		
5	25	0		20.76	20.97	20.86		
5	1	0	64-QAM	21.02	21.23	20.96	16.91	0.0491
5	1	12		21.01	21.15	21.26		
5	1	24		21.25	21.05	21.04		
5	12	0		19.65	19.98	19.92		
5	12	7		19.79	20.14	20.19		
5	12	13		19.94	19.98	19.97		
5	25	0		19.83	19.83	19.90		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.89	22.94	23.04	18.69	0.0740
3	1	8		22.65	22.95	22.81		
3	1	14		22.98	22.72	22.65		
3	8	0		21.67	22.15	21.82		
3	8	4		21.80	22.04	22.04		
3	8	7		22.05	21.85	21.77		
3	15	0		21.80	21.89	21.88		
3	1	0	16-QAM	22.24	22.23	22.07	18.12	0.0649
3	1	8		22.07	22.33	22.47		
3	1	14		22.29	22.13	21.55		
3	8	0		20.71	20.99	20.84		
3	8	4		20.77	21.07	21.15		
3	8	7		21.05	21.00	20.86		
3	15	0		20.77	21.12	20.93		
3	1	0	64-QAM	21.33	21.34	21.09	17.04	0.0506
3	1	8		20.90	21.20	21.39		
3	1	14		21.15	20.98	20.64		
3	8	0		19.65	20.14	20.02		
3	8	4		19.94	20.20	20.16		
3	8	7		20.09	20.06	19.86		
3	15	0		19.83	19.99	20.03		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.06	22.98	23.01	18.79	0.0757
1.4	1	3		22.77	22.91	22.92		
1.4	1	5		22.87	22.70	22.68		
1.4	3	0		22.95	23.04	22.95		
1.4	3	1		22.71	23.14	22.74		
1.4	3	3		22.89	22.89	22.67		
1.4	6	0		21.87	21.93	21.98		
1.4	1	0	16-QAM	22.19	22.30	22.05	18.08	0.0643
1.4	1	3		22.09	22.39	22.37		
1.4	1	5		22.39	22.18	21.63		
1.4	3	0		22.17	22.22	22.20		
1.4	3	1		21.95	22.31	22.43		
1.4	3	3		22.30	22.23	21.54		
1.4	6	0		20.80	20.87	20.97		
1.4	1	0	64-QAM	21.07	21.18	20.96	17.07	0.0509
1.4	1	3		21.04	21.42	21.39		
1.4	1	5		21.09	21.09	21.06		
1.4	3	0		21.01	21.18	21.14		
1.4	3	1		21.13	21.26	21.36		
1.4	3	3		21.11	21.01	20.62		
1.4	6	0		19.82	20.07	19.89		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.54	23.28	23.13	22.34	0.1714
20	1	49		23.48	23.10	23.52		
20	1	99		23.41	23.53	23.35		
20	50	0		22.67	22.39	22.13		
20	50	24		22.68	22.25	22.17		
20	50	50		22.81	22.36	22.23		
20	100	0		22.77	22.32	22.19		
20	1	0	16-QAM	22.84	22.63	22.47	22.05	0.1603
20	1	49		22.89	22.47	22.32		
20	1	99		23.25	22.80	22.65		
20	50	0		21.71	21.41	21.20		
20	50	24		21.74	21.31	21.16		
20	50	50		21.88	21.41	21.28		
20	100	0		21.81	21.34	21.19		
20	1	0	64-QAM	21.70	21.49	21.28	20.87	0.1222
20	1	49		21.71	21.29	21.16		
20	1	99		22.07	21.64	21.47		
20	50	0		20.67	20.35	20.17		
20	50	24		20.68	20.25	20.15		
20	50	50		20.84	20.38	20.23		
20	100	0		20.72	20.32	20.17		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.42	23.10	23.04	22.33	0.1710
15	1	37		23.41	23.06	23.41		
15	1	74		23.23	23.53	23.15		
15	36	0		22.53	22.25	22.05		
15	36	20		22.62	22.09	22.10		
15	36	39		22.68	22.34	22.14		
15	75	0		22.74	22.19	22.14		
15	1	0	16-QAM	22.70	22.47	22.28	21.95	0.1567
15	1	37		22.76	22.30	22.23		
15	1	74		23.15	22.66	22.57		
15	36	0		21.54	21.41	21.11		
15	36	20		21.56	21.26	20.98		
15	36	39		21.80	21.28	21.20		
15	75	0		21.70	21.19	21.01		
15	1	0	64-QAM	21.50	21.31	21.26	20.79	0.1199
15	1	37		21.60	21.18	21.03		
15	1	74		21.99	21.54	21.27		
15	36	0		20.52	20.17	20.00		
15	36	20		20.63	20.06	20.00		
15	36	39		20.71	20.22	20.12		
15	75	0		20.71	20.19	20.09		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.52	23.10	22.97	22.32	0.1706
10	1	25		23.39	23.10	23.41		
10	1	49		23.31	23.49	23.15		
10	25	0		22.60	22.38	21.96		
10	25	12		22.55	22.09	22.07		
10	25	25		22.79	22.22	22.21		
10	50	0		22.77	22.13	22.09		
10	1	0	16-QAM	22.79	22.51	22.31	21.90	0.1549
10	1	25		22.81	22.45	22.20		
10	1	49		23.10	22.63	22.55		
10	25	0		21.53	21.39	21.09		
10	25	12		21.58	21.22	21.11		
10	25	25		21.73	21.23	21.18		
10	50	0		21.73	21.27	21.15		
10	1	0	64-QAM	21.56	21.35	21.23	20.73	0.1183
10	1	25		21.67	21.12	21.16		
10	1	49		21.93	21.54	21.45		
10	25	0		20.59	20.22	20.04		
10	25	12		20.50	20.06	19.97		
10	25	25		20.64	20.29	20.07		
10	50	0		20.54	20.22	20.17		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -1.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.38	23.12	23.11	22.32	0.1706
5	1	12		23.44	22.93	23.52		
5	1	24		23.22	23.42	23.25		
5	12	0		22.62	22.34	22.07		
5	12	7		22.64	22.22	22.10		
5	12	13		22.72	22.29	22.10		
5	25	0		22.76	22.31	22.09		
5	1	0	16-QAM	22.70	22.45	22.35	22.00	0.1585
5	1	12		22.73	22.33	22.19		
5	1	24		23.20	22.61	22.65		
5	12	0		21.51	21.34	21.06		
5	12	7		21.55	21.22	21.08		
5	12	13		21.86	21.27	21.24		
5	25	0		21.62	21.33	21.13		
5	1	0	64-QAM	21.50	21.45	21.14	20.69	0.1172
5	1	12		21.61	21.23	21.02		
5	1	24		21.89	21.55	21.43		
5	12	0		20.52	20.29	20.14		
5	12	7		20.55	20.08	20.05		
5	12	13		20.75	20.23	20.12		
5	25	0		20.70	20.30	19.97		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.72	24.04	20.82	24.44	0.2780
20	1	49		20.85	23.92	20.79		
20	1	99		20.85	23.91	20.80		
20	50	0		20.79	22.92	20.75		
20	50	24		20.83	23.00	20.68		
20	50	50		20.75	22.92	20.62		
20	100	0		20.69	22.90	20.70		
20	1	0	16-QAM	20.70	22.93	20.68	23.48	0.2228
20	1	49		20.73	23.08	20.52		
20	1	99		20.65	22.58	20.65		
20	50	0		20.62	21.95	20.52		
20	50	24		20.61	21.92	20.48		
20	50	50		20.68	21.90	20.51		
20	100	0		20.62	21.84	20.44		
20	1	0	64-QAM	20.67	21.55	20.52	22.04	0.1600
20	1	49		20.68	21.64	20.49		
20	1	99		20.63	21.20	20.50		
20	50	0		20.57	20.98	20.47		
20	50	24		20.49	20.99	20.48		
20	50	50		20.62	20.90	20.42		
20	100	0		20.58	20.96	20.40		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.86	23.94	20.89	24.34	0.2716
15	1	37		20.98	23.86	20.70		
15	1	74		20.77	23.87	20.82		
15	36	0		20.67	22.82	20.56		
15	36	20		20.67	22.96	20.76		
15	36	39		20.63	22.84	20.72		
15	75	0		20.84	22.83	20.85		
15	1	0	16-QAM	20.75	22.87	20.77	23.39	0.2183
15	1	37		20.61	22.99	20.45		
15	1	74		20.54	22.49	20.67		
15	36	0		20.81	21.86	20.61		
15	36	20		20.57	21.85	20.33		
15	36	39		20.87	21.82	20.60		
15	75	0		20.78	21.76	20.27		
15	1	0	64-QAM	20.86	21.48	20.45	22.03	0.1596
15	1	37		20.75	21.63	20.58		
15	1	74		20.69	21.15	20.66		
15	36	0		20.52	20.92	20.51		
15	36	20		20.33	20.94	20.30		
15	36	39		20.82	20.80	20.52		
15	75	0		20.77	20.95	20.22		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.59	24.01	20.74	24.41	0.2761
10	1	25		20.76	23.89	20.91		
10	1	49		20.95	23.83	20.88		
10	25	0		20.70	22.84	20.79		
10	25	12		20.65	22.90	20.85		
10	25	25		20.69	22.82	20.61		
10	50	0		20.52	22.89	20.84		
10	1	0	16-QAM	20.58	22.93	20.64	23.41	0.2193
10	1	25		20.66	23.01	20.33		
10	1	49		20.81	22.58	20.76		
10	25	0		20.82	21.93	20.50		
10	25	12		20.51	21.82	20.47		
10	25	25		20.73	21.90	20.59		
10	50	0		20.53	21.74	20.34		
10	1	0	64-QAM	20.52	21.52	20.68	22.04	0.1600
10	1	25		20.67	21.64	20.50		
10	1	49		20.65	21.17	20.37		
10	25	0		20.71	20.93	20.54		
10	25	12		20.52	20.96	20.41		
10	25	25		20.51	20.85	20.36		
10	50	0		20.69	20.91	20.21		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.12	24.12	24.16	24.56	0.2858
5	1	12		24.01	23.91	24.09		
5	1	24		23.94	23.83	23.49		
5	12	0		23.08	23.01	23.43		
5	12	7		23.06	22.93	23.42		
5	12	13		23.07	22.85	23.37		
5	25	0		23.07	22.88	23.37		
5	1	0	16-QAM	23.37	22.83	23.33	23.77	0.2382
5	1	12		23.27	23.07	23.31		
5	1	24		22.73	22.54	22.90		
5	12	0		22.19	21.88	22.37		
5	12	7		22.22	21.91	22.42		
5	12	13		21.99	21.88	22.32		
5	25	0		22.20	21.75	22.30		
5	1	0	64-QAM	21.86	21.55	21.48	22.54	0.1795
5	1	12		21.81	21.57	22.14		
5	1	24		21.25	21.17	21.46		
5	12	0		21.16	20.92	21.44		
5	12	7		21.23	20.93	21.39		
5	12	13		21.17	20.86	21.43		
5	25	0		21.17	20.94	21.38		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.69	26.12	20.96	26.67	0.4645
20	1	49		20.90	26.11	20.74		
20	1	99		20.87	26.27	20.81		
20	50	0		20.92	25.38	20.84		
20	50	24		20.68	25.30	20.64		
20	50	50		20.90	25.40	20.64		
20	100	0		20.72	25.24	20.87		
20	1	0	16-QAM	20.57	25.43	20.79	26.14	0.4111
20	1	49		20.85	25.51	20.56		
20	1	99		20.51	25.74	20.70		
20	50	0		20.54	24.59	20.48		
20	50	24		20.63	24.42	20.40		
20	50	50		20.63	24.52	20.49		
20	100	0		20.79	24.52	20.59		
20	1	0	64-QAM	20.75	24.55	20.60	25.20	0.3311
20	1	49		20.73	24.62	20.46		
20	1	99		20.73	24.80	20.39		
20	50	0		20.40	23.90	20.34		
20	50	24		20.33	23.88	20.37		
20	50	50		20.65	23.90	20.44		
20	100	0		20.57	23.77	20.30		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.82	26.05	20.68	26.61	0.4581
15	1	37		20.80	26.07	20.99		
15	1	74		20.97	26.21	20.69		
15	36	0		20.67	25.38	20.66		
15	36	20		20.94	25.30	20.79		
15	36	39		20.83	25.37	20.78		
15	75	0		20.72	25.21	20.80		
15	1	0	16-QAM	20.64	25.35	20.69	26.07	0.4046
15	1	37		20.78	25.42	20.48		
15	1	74		20.46	25.67	20.71		
15	36	0		20.79	24.58	20.42		
15	36	20		20.60	24.41	20.40		
15	36	39		20.71	24.44	20.51		
15	75	0		20.58	24.44	20.54		
15	1	0	64-QAM	20.64	24.51	20.32	25.20	0.3311
15	1	37		20.52	24.57	20.53		
15	1	74		20.74	24.80	20.37		
15	36	0		20.77	23.81	20.35		
15	36	20		20.48	23.80	20.64		
15	36	39		20.82	23.85	20.40		
15	75	0		20.43	23.77	20.26		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.64	26.02	20.75	26.58	0.4550
10	1	25		20.99	26.01	20.86		
10	1	49		20.83	26.18	20.62		
10	25	0		20.67	25.35	20.84		
10	25	12		20.64	25.29	20.74		
10	25	25		20.55	25.36	20.71		
10	50	0		20.61	25.19	20.78		
10	1	0	16-QAM	20.89	25.33	20.53	26.10	0.4074
10	1	25		20.77	25.51	20.64		
10	1	49		20.67	25.70	20.49		
10	25	0		20.76	24.59	20.46		
10	25	12		20.81	24.35	20.49		
10	25	25		20.82	24.52	20.51		
10	50	0		20.66	24.50	20.43		
10	1	0	64-QAM	20.56	24.50	20.65	25.12	0.3251
10	1	25		20.64	24.52	20.60		
10	1	49		20.68	24.72	20.50		
10	25	0		20.72	23.80	20.59		
10	25	12		20.40	23.88	20.65		
10	25	25		20.65	23.90	20.42		
10	50	0		20.76	23.75	20.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	26.50	26.20	25.88	26.90	0.4898
5	1	12		26.49	26.01	25.57		
5	1	24		26.33	26.19	25.58		
5	12	0		25.67	25.36	24.71		
5	12	7		25.63	25.22	24.57		
5	12	13		25.77	25.32	24.60		
5	25	0		25.72	25.16	24.69		
5	1	0	16-QAM	25.64	25.43	25.25	26.23	0.4198
5	1	12		25.83	25.46	24.59		
5	1	24		25.75	25.65	24.82		
5	12	0		24.72	24.55	24.07		
5	12	7		24.87	24.40	23.76		
5	12	13		25.02	24.50	23.80		
5	25	0		24.94	24.48	23.82		
5	1	0	64-QAM	24.59	24.53	24.63	25.16	0.3281
5	1	12		24.70	24.57	23.70		
5	1	24		24.42	24.76	23.25		
5	12	0		24.06	23.82	23.61		
5	12	7		24.32	23.88	23.55		
5	12	13		24.26	23.81	23.32		
5	25	0		24.27	23.71	23.59		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.71	23.76	23.62	26.76	0.4742
20	1	49		23.54	23.42	23.24		
20	1	99		23.34	23.45	23.13		
20	50	0		22.48	22.60	22.28		
20	50	24		22.54	22.50	22.32		
20	50	50		22.56	22.48	22.24		
20	100	0		22.54	22.53	22.25		
20	1	0	16-QAM	22.71	22.72	22.42	25.86	0.3855
20	1	49		22.85	22.67	22.53		
20	1	99		22.82	22.86	22.69		
20	50	0		21.53	21.54	21.29		
20	50	24		21.60	21.50	21.34		
20	50	50		21.59	21.49	21.27		
20	100	0		21.54	21.52	21.23		
20	1	0	64-QAM	21.57	21.60	21.32	24.79	0.3013
20	1	49		21.72	21.55	21.36		
20	1	99		21.79	21.73	21.74		
20	50	0		20.50	20.52	20.27		
20	50	24		20.59	20.48	20.32		
20	50	50		20.57	20.47	20.24		
20	100	0		20.53	20.51	20.23		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.56	23.56	23.43	26.56	0.4529
15	1	37		23.44	23.36	23.16		
15	1	74		23.33	23.33	23.11		
15	36	0		22.28	22.50	22.14		
15	36	20		22.54	22.47	22.12		
15	36	39		22.53	22.39	22.19		
15	75	0		22.46	22.49	22.14		
15	1	0	16-QAM	22.67	22.61	22.31	25.82	0.3819
15	1	37		22.82	22.50	22.40		
15	1	74		22.64	22.73	22.67		
15	36	0		21.52	21.53	21.11		
15	36	20		21.42	21.32	21.29		
15	36	39		21.57	21.35	21.23		
15	75	0		21.51	21.45	21.08		
15	1	0	64-QAM	21.55	21.40	21.17	24.67	0.2931
15	1	37		21.67	21.40	21.16		
15	1	74		21.65	21.63	21.55		
15	36	0		20.44	20.48	20.22		
15	36	20		20.41	20.28	20.15		
15	36	39		20.52	20.45	20.06		
15	75	0		20.43	20.44	20.21		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.54	23.63	23.48	26.63	0.4603
10	1	25		23.43	23.31	23.15		
10	1	49		23.19	23.25	23.01		
10	25	0		22.40	22.36	22.18		
10	25	12		22.43	22.37	22.23		
10	25	25		22.51	22.43	22.10		
10	50	0		22.48	22.41	22.17		
10	1	0	16-QAM	22.55	22.69	22.27	25.73	0.3741
10	1	25		22.69	22.50	22.51		
10	1	49		22.65	22.73	22.62		
10	25	0		21.52	21.38	21.22		
10	25	12		21.59	21.49	21.33		
10	25	25		21.59	21.36	21.09		
10	50	0		21.40	21.46	21.14		
10	1	0	64-QAM	21.57	21.56	21.13	24.72	0.2965
10	1	25		21.55	21.52	21.33		
10	1	49		21.72	21.67	21.70		
10	25	0		20.39	20.46	20.24		
10	25	12		20.56	20.40	20.22		
10	25	25		20.41	20.42	20.05		
10	50	0		20.44	20.40	20.06		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.68	23.56	23.56	26.68	0.4656
5	1	12		23.46	23.42	23.07		
5	1	24		23.29	23.43	22.96		
5	12	0		22.45	22.32	22.21		
5	12	7		22.47	22.34	22.19		
5	12	13		22.46	22.28	22.24		
5	25	0		22.49	22.34	22.25		
5	1	0	16-QAM	22.70	22.54	22.22	25.82	0.3819
5	1	12		22.78	22.64	22.45		
5	1	24		22.68	22.82	22.57		
5	12	0		21.45	21.35	21.29		
5	12	7		21.45	21.31	21.31		
5	12	13		21.47	21.39	21.22		
5	25	0		21.36	21.32	21.14		
5	1	0	64-QAM	21.51	21.43	21.12	24.73	0.2972
5	1	12		21.62	21.51	21.32		
5	1	24		21.69	21.73	21.56		
5	12	0		20.33	20.41	20.15		
5	12	7		20.39	20.29	20.27		
5	12	13		20.40	20.44	20.11		
5	25	0		20.41	20.38	20.08		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.56	23.73	23.62	26.73	0.4710
3	1	8		23.41	23.32	23.06		
3	1	14		23.19	23.39	23.09		
3	8	0		22.37	22.49	22.09		
3	8	4		22.44	22.35	22.17		
3	8	7		22.56	22.36	22.10		
3	15	0		22.36	22.39	22.13		
3	1	0	16-QAM	22.67	22.63	22.39	25.77	0.3776
3	1	8		22.74	22.50	22.45		
3	1	14		22.72	22.77	22.54		
3	8	0		21.42	21.48	21.10		
3	8	4		21.54	21.41	21.27		
3	8	7		21.48	21.34	21.11		
3	15	0		21.46	21.41	21.06		
3	1	0	64-QAM	21.51	21.42	21.12	24.62	0.2897
3	1	8		21.62	21.39	21.27		
3	1	14		21.59	21.54	21.61		
3	8	0		20.35	20.41	20.22		
3	8	4		20.50	20.38	20.28		
3	8	7		20.39	20.31	20.13		
3	15	0		20.53	20.50	20.19		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.65	23.62	23.61	26.68	0.4656
1.4	1	3		23.54	23.23	23.23		
1.4	1	5		23.22	23.36	22.99		
1.4	3	0		23.58	23.68	23.59		
1.4	3	1		23.35	23.24	23.06		
1.4	3	3		23.34	23.25	23.06		
1.4	6	0		22.44	22.48	22.24		
1.4	1	0	16-QAM	22.70	22.53	22.36	25.82	0.3819
1.4	1	3		22.70	22.49	22.51		
1.4	1	5		22.82	22.72	22.59		
1.4	3	0		22.67	22.55	22.34		
1.4	3	1		22.72	22.54	22.52		
1.4	3	3		22.79	22.68	22.49		
1.4	6	0		21.43	21.48	21.05		
1.4	1	0	64-QAM	21.46	21.54	21.18	24.78	0.3006
1.4	1	3		21.58	21.51	21.22		
1.4	1	5		21.78	21.56	21.65		
1.4	3	0		21.56	21.45	21.30		
1.4	3	1		21.67	21.52	21.32		
1.4	3	3		21.65	21.59	21.67		
1.4	6	0		20.51	20.44	20.09		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.43	23.64	23.82	18.07	0.0641
20	1	49		23.33	23.54	23.68		
20	1	99		23.10	23.67	23.79		
20	50	0		22.08	22.37	22.48		
20	50	24		22.54	22.75	22.88		
20	50	50		22.48	22.67	22.86		
20	100	0		22.41	22.58	22.71		
20	1	0	16-QAM	21.55	21.87	22.00	17.18	0.0522
20	1	49		22.76	22.73	22.88		
20	1	99		22.40	22.93	22.88		
20	50	0		21.10	21.37	21.50		
20	50	24		21.50	21.72	21.89		
20	50	50		21.47	21.61	21.83		
20	100	0		21.37	21.54	21.64		
20	1	0	64-QAM	20.55	20.65	20.96	16.23	0.0420
20	1	49		21.62	21.67	21.98		
20	1	99		21.24	21.76	21.82		
20	50	0		20.04	20.32	20.46		
20	50	24		20.48	20.71	20.84		
20	50	50		20.46	20.62	20.81		
20	100	0		20.39	20.54	20.65		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.34	23.52	23.75	18.00	0.0631
15	1	37		23.33	23.47	23.65		
15	1	74		23.10	23.47	23.69		
15	36	0		21.95	22.36	22.41		
15	36	20		22.40	22.60	22.72		
15	36	39		22.41	22.52	22.82		
15	75	0		22.38	22.55	22.58		
15	1	0	16-QAM	21.50	21.73	22.00	17.08	0.0511
15	1	37		22.57	22.56	22.83		
15	1	74		22.34	22.76	22.73		
15	36	0		21.02	21.29	21.37		
15	36	20		21.41	21.70	21.84		
15	36	39		21.36	21.53	21.66		
15	75	0		21.31	21.43	21.63		
15	1	0	64-QAM	20.53	20.52	20.79	16.20	0.0417
15	1	37		21.58	21.67	21.95		
15	1	74		21.21	21.61	21.76		
15	36	0		19.94	20.13	20.35		
15	36	20		20.40	20.65	20.74		
15	36	39		20.27	20.56	20.68		
15	75	0		20.28	20.36	20.53		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 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	23.26	23.59	23.62	17.87	0.0612
10	1	25		23.23	23.47	23.57		
10	1	49		23.03	23.58	23.62		
10	25	0		21.88	22.27	22.40		
10	25	12		22.49	22.60	22.84		
10	25	25		22.36	22.51	22.83		
10	50	0		22.35	22.57	22.57		
10	1	0	16-QAM	21.52	21.81	21.82	17.11	0.0514
10	1	25		22.64	22.69	22.86		
10	1	49		22.35	22.84	22.69		
10	25	0		21.04	21.33	21.33		
10	25	12		21.41	21.72	21.75		
10	25	25		21.44	21.49	21.79		
10	50	0		21.20	21.43	21.59		
10	1	0	64-QAM	20.55	20.53	20.92	16.06	0.0404
10	1	25		21.50	21.52	21.81		
10	1	49		21.13	21.71	21.79		
10	25	0		19.90	20.13	20.29		
10	25	12		20.46	20.54	20.84		
10	25	25		20.33	20.58	20.69		
10	50	0		20.29	20.43	20.61		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 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	23.29	23.57	23.67	18.01	0.0632
5	1	12		23.15	23.48	23.66		
5	1	24		22.95	23.67	23.76		
5	12	0		21.93	22.23	22.35		
5	12	7		22.49	22.69	22.82		
5	12	13		22.36	22.64	22.69		
5	25	0		22.36	22.41	22.68		
5	1	0	16-QAM	21.64	21.87	21.96	17.11	0.0514
5	1	12		22.67	22.72	22.72		
5	1	24		22.21	22.86	22.76		
5	12	0		21.05	21.32	21.40		
5	12	7		21.43	21.58	21.71		
5	12	13		21.30	21.43	21.63		
5	25	0		21.31	21.49	21.54		
5	1	0	64-QAM	20.56	20.50	20.89	16.15	0.0412
5	1	12		21.56	21.48	21.90		
5	1	24		21.19	21.64	21.78		
5	12	0		19.95	20.22	20.36		
5	12	7		20.29	20.69	20.81		
5	12	13		20.44	20.45	20.80		
5	25	0		20.27	20.43	20.57		
Limit	ERP < 3W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.1 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	20.80	20.71	20.57	22.90	0.1950
20+20	1	0	1	99		14.49	14.32	14.17		
20+20	1	99	1	0		23.00	22.61	22.60		
20+20	100	0	100	0	16-QAM	20.07	19.80	19.65	22.19	0.1656
20+20	1	0	1	99		14.65	14.83	14.11		
20+20	1	99	1	0		22.29	22.15	21.92		
20+20	100	0	100	0	64-QAM	19.77	19.77	19.79	19.91	0.0979
20+20	1	0	1	99		14.64	14.47	14.38		
20+20	1	99	1	0		20.01	19.85	19.93		
20+15	100	0	75	0	QPSK	21.04	20.86	20.61	22.85	0.1928
20+15	1	0	1	74		14.47	14.28	13.79		
20+15	1	99	1	0		22.95	22.64	22.60		
20+15	100	0	75	0	16-QAM	20.13	19.71	19.63	22.31	0.1702
20+15	1	0	1	74		14.65	14.62	14.26		
20+15	1	99	1	0		22.41	22.01	21.96		
20+15	100	0	75	0	64-QAM	20.13	19.69	19.66	20.03	0.1007
20+15	1	0	1	74		14.57	14.30	14.21		
20+15	1	99	1	0		20.09	19.92	19.88		
15+20	75	0	100	0	QPSK	20.94	20.79	20.67	22.90	0.1950
15+20	1	0	1	99		14.36	14.33	14.10		
15+20	1	74	1	0		23.00	22.73	22.68		
15+20	75	0	100	0	16-QAM	19.97	19.80	19.60	22.52	0.1786
15+20	1	0	1	99		14.65	14.46	14.46		
15+20	1	74	1	0		22.62	21.94	22.11		
15+20	75	0	100	0	64-QAM	20.06	19.88	19.67	20.12	0.1028
15+20	1	0	1	99		14.37	14.41	14.28		
15+20	1	74	1	0		20.22	20.06	19.70		
Limit	EIRP < 2W					Result			Pass	

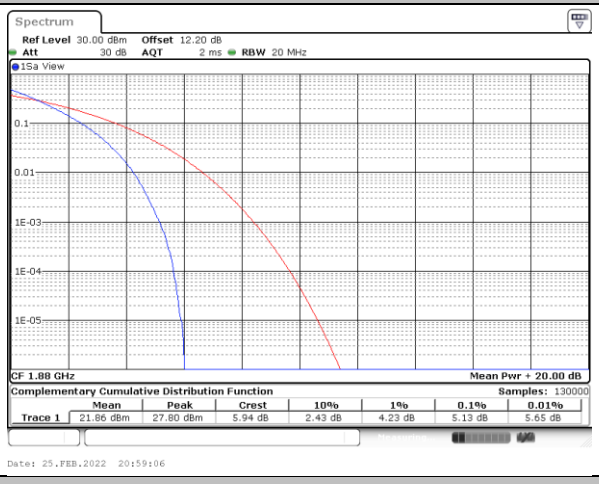
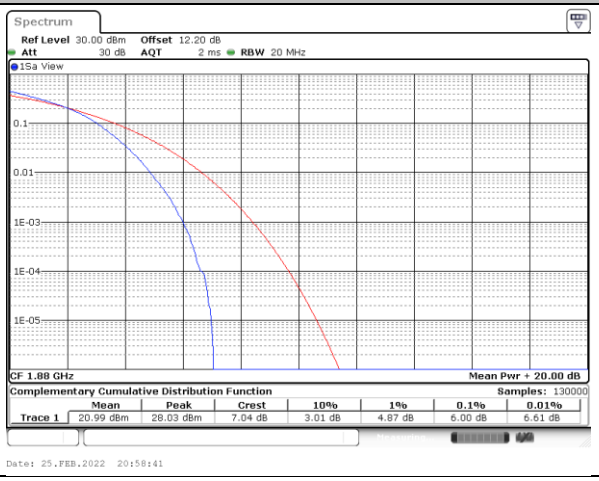
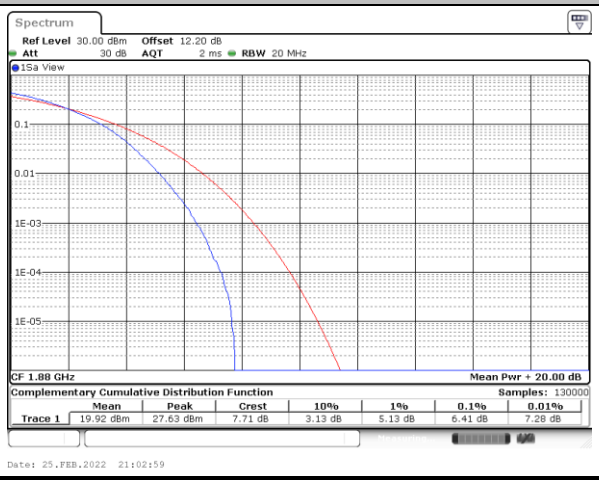
LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	75	0	QPSK	21.29	20.69	20.75	22.89	0.1945
20+10	1	0	1	74		14.41	14.08	13.93		
20+10	1	99	1	0		22.99	22.63	22.48		
20+10	100	0	75	0	16-QAM	20.18	19.71	19.72	22.12	0.1629
20+10	1	0	1	74		14.82	14.58	14.31		
20+10	1	99	1	0		22.14	22.22	21.95		
20+10	100	0	75	0	64-QAM	20.32	19.63	19.71	20.22	0.1052
20+10	1	0	1	74		14.21	13.98	14.13		
20+10	1	99	1	0		20.03	19.76	19.62		
10+20	75	0	100	0	QPSK	20.95	20.88	20.71	23.18	0.2080
10+20	1	0	1	99		14.47	14.19	13.93		
10+20	1	74	1	0		23.28	22.89	22.62		
10+20	75	0	100	0	16-QAM	20.01	19.96	19.79	22.63	0.1832
10+20	1	0	1	99		14.79	14.08	14.54		
10+20	1	74	1	0		22.73	22.38	22.23		
10+20	75	0	100	0	64-QAM	20.07	19.91	19.61	20.28	0.1067
10+20	1	0	1	99		14.61	14.02	14.19		
10+20	1	74	1	0		20.38	19.68	19.86		
15+15	75	0	100	0	QPSK	20.91	20.85	20.57	22.86	0.1932
15+15	1	0	1	99		14.29	14.27	13.93		
15+15	1	74	1	0		22.96	22.81	22.65		
15+15	75	0	100	0	16-QAM	19.97	19.80	19.58	22.50	0.1778
15+15	1	0	1	99		14.51	14.64	14.36		
15+15	1	74	1	0		22.60	22.10	22.01		
15+15	75	0	100	0	64-QAM	19.96	19.75	19.58	20.19	0.1045
15+15	1	0	1	99		14.70	14.47	14.05		
15+15	1	74	1	0		20.29	19.85	19.80		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.1 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	23.06	22.68	22.55	23.17	0.2075
15+10	1	0	1	99		14.55	14.34	13.99		
15+10	1	74	1	0		23.27	22.76	22.71		
15+10	75	0	100	0	16-QAM	23.08	22.84	22.65	23.24	0.2109
15+10	1	0	1	99		14.60	14.53	14.18		
15+10	1	74	1	0		23.31	23.34	23.04		
15+10	75	0	100	0	64-QAM	23.20	22.82	23.42	23.32	0.2148
15+10	1	0	1	99		14.35	14.52	14.14		
15+10	1	74	1	0		23.40	22.98	23.04		
Limit	EIRP < 2W					Result			Pass	

LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.00	6.41	-	PASS

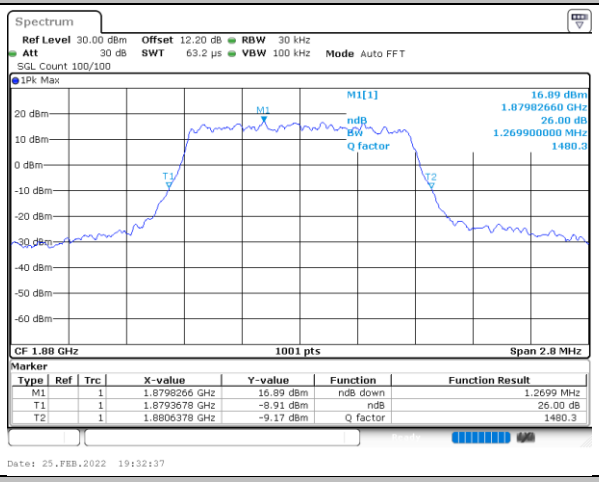
LTE Band 2 / 20MHz / QPSK	LTE Band 2 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 2 / 20MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

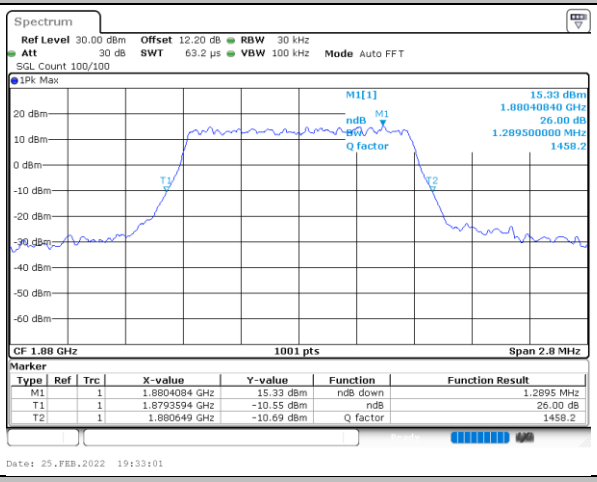
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.29	3.02	2.99	4.90	4.89	9.83	9.77	14.36	14.48	18.82	19.18
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.26	-	3.03	-	4.90	-	9.99	-	14.63	-	19.02	-

LTE Band 2

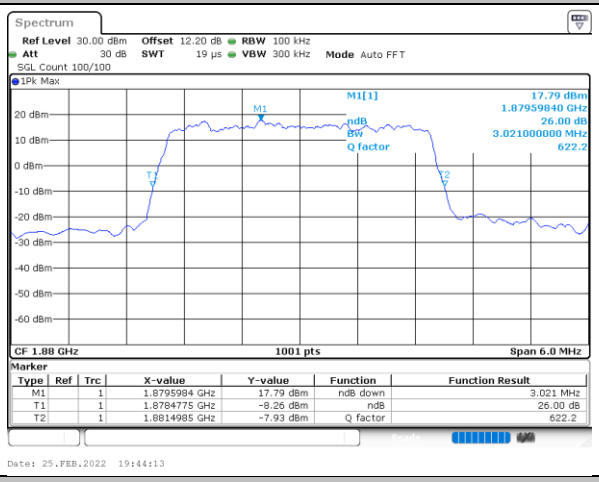
Middle Channel / 1.4MHz / QPSK



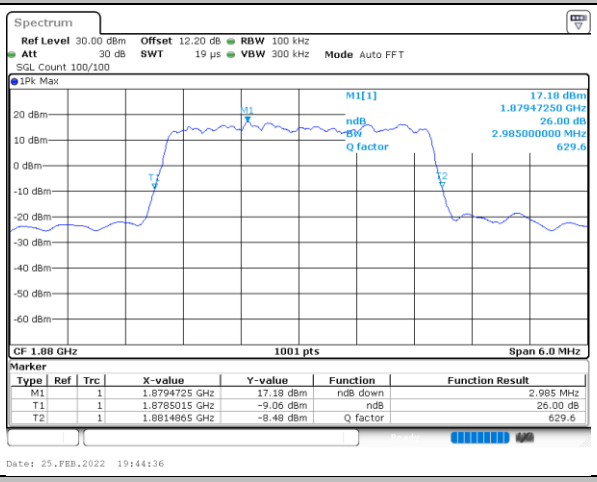
Middle Channel / 1.4MHz / 16QAM



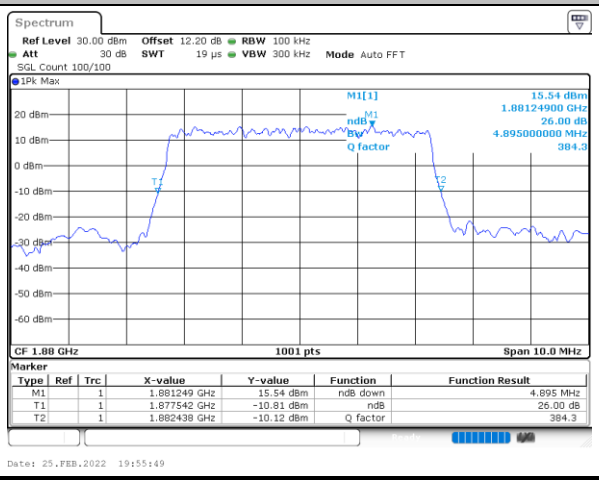
Middle Channel / 3MHz / QPSK



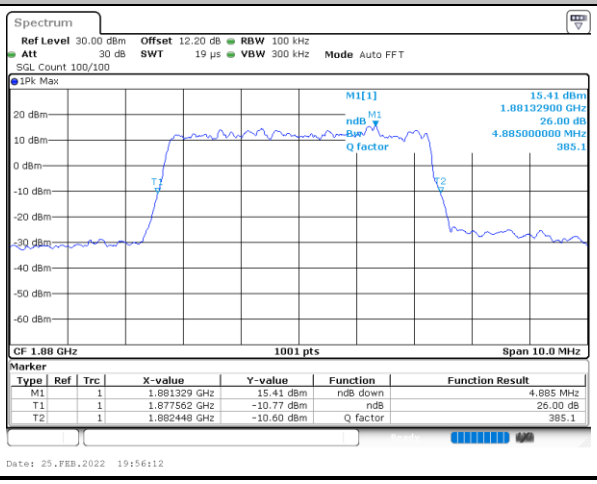
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

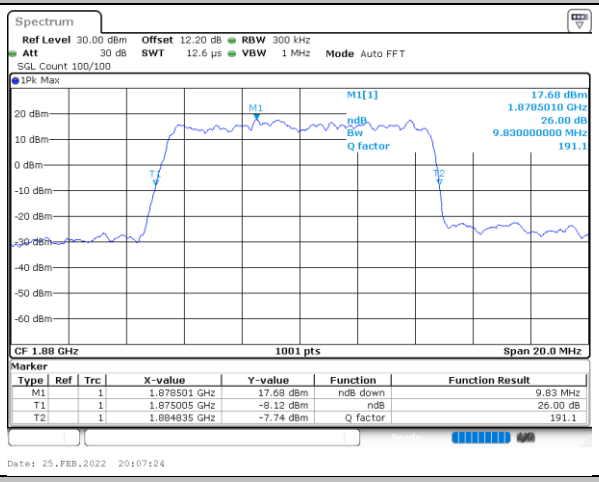


Middle Channel / 5MHz / 16QAM

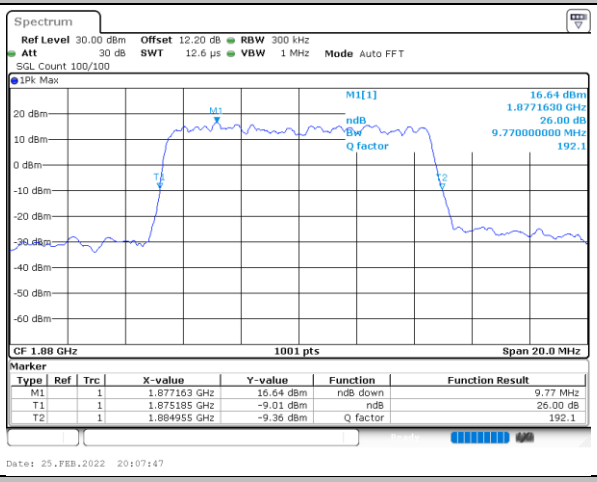


LTE Band 2

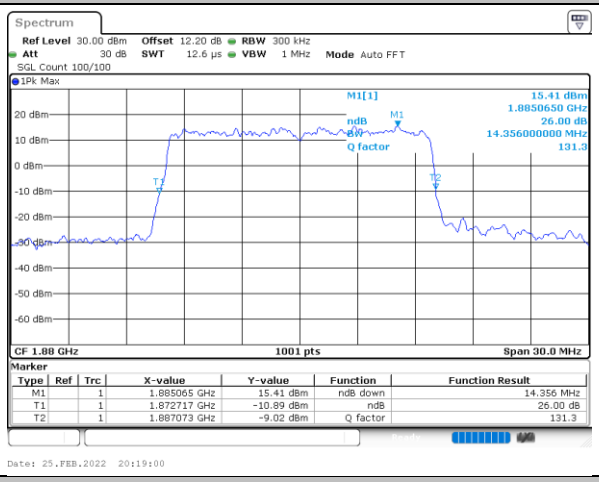
Middle Channel / 10MHz / QPSK



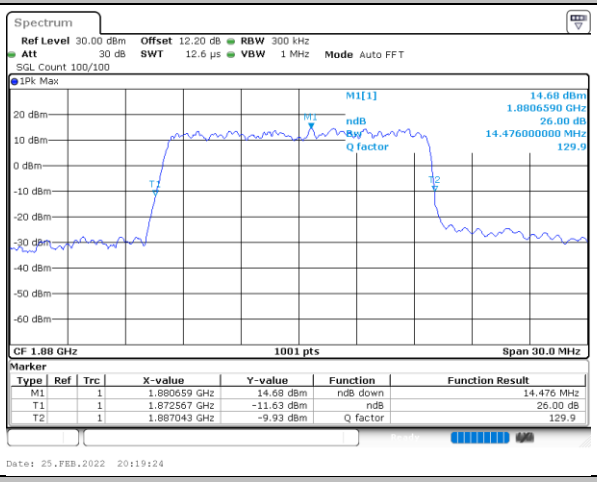
Middle Channel / 10MHz / 16QAM



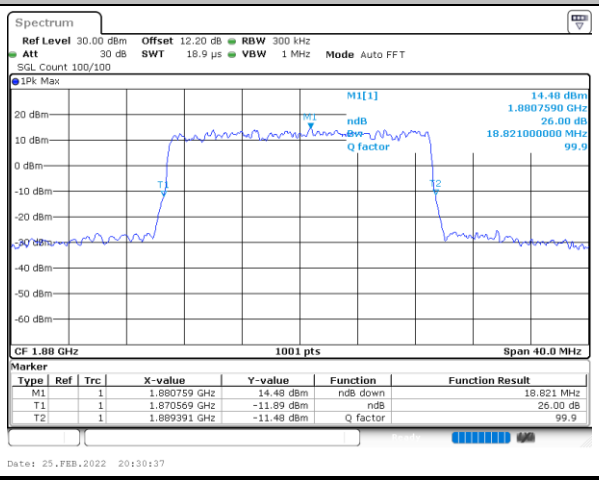
Middle Channel / 15MHz / QPSK



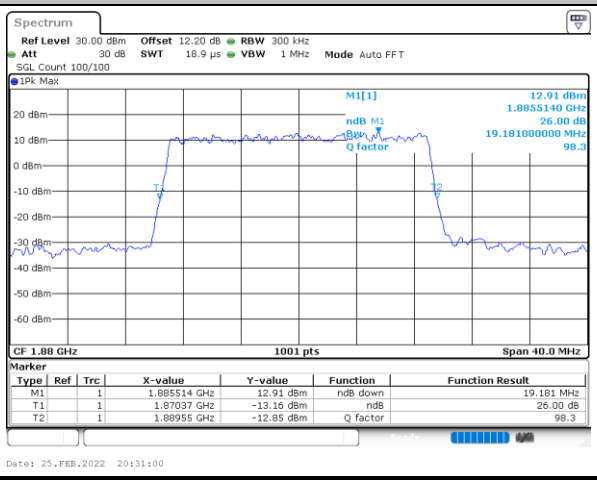
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

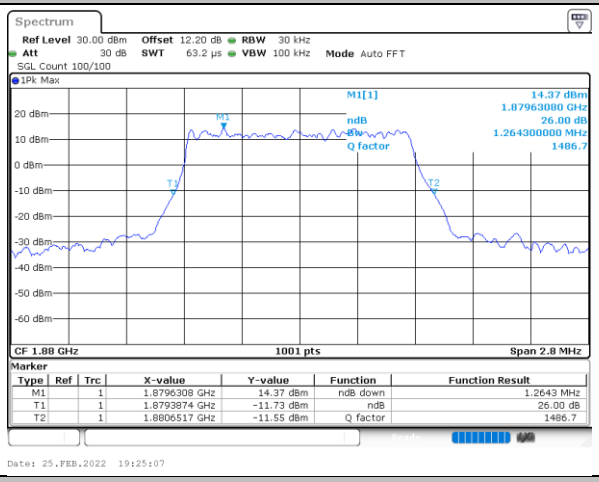


Middle Channel / 20MHz / 16QAM

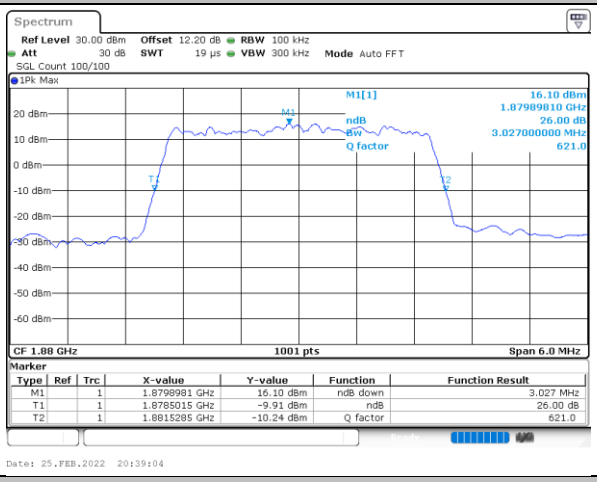


LTE Band 2

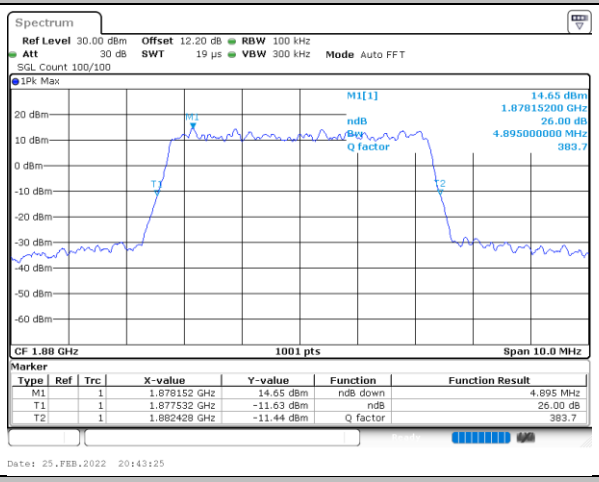
Middle Channel / 1.4MHz / 64QAM



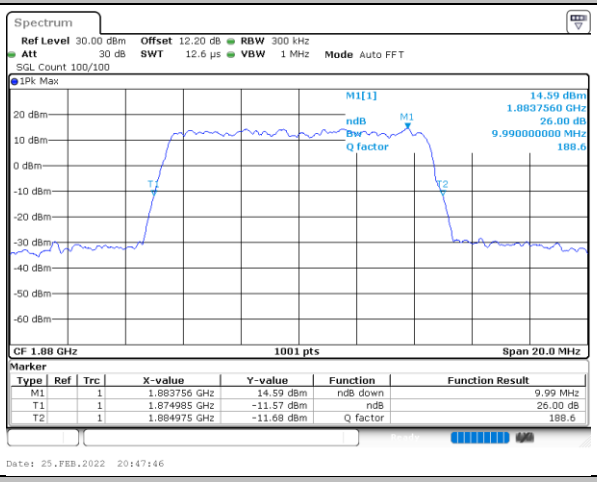
Middle Channel / 3MHz / 64QAM



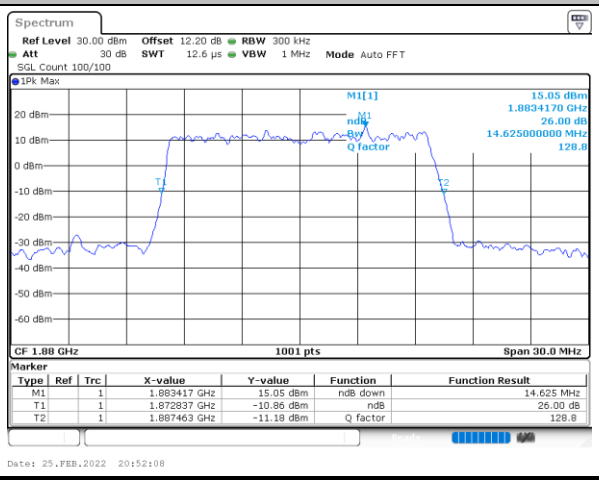
Middle Channel / 5MHz / 64QAM



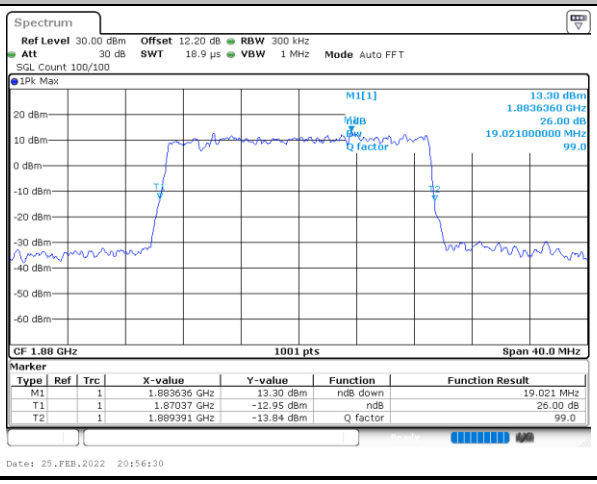
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

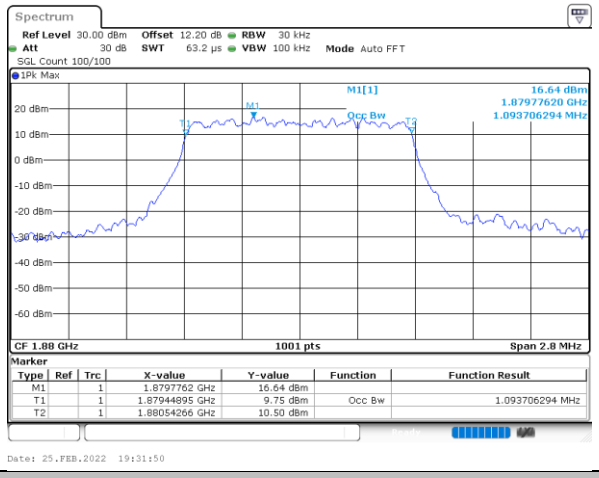


Occupied Bandwidth

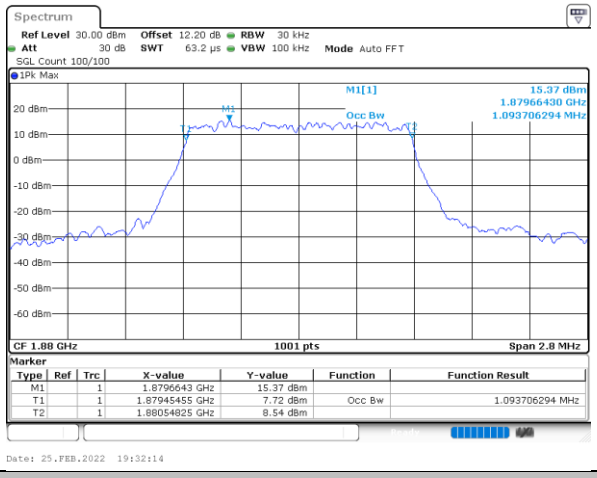
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.73	2.70	4.50	4.49	9.05	8.95	13.46	13.49	17.98	17.90
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	-	2.72	-	4.49	-	9.01	-	13.37	-	18.02	-

LTE Band 2

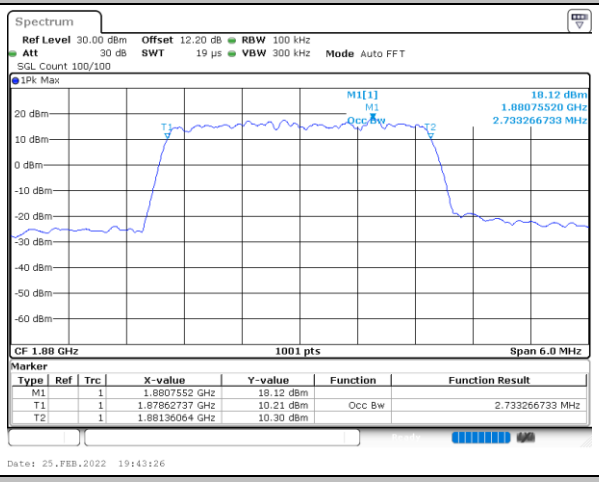
Middle Channel / 1.4MHz / QPSK



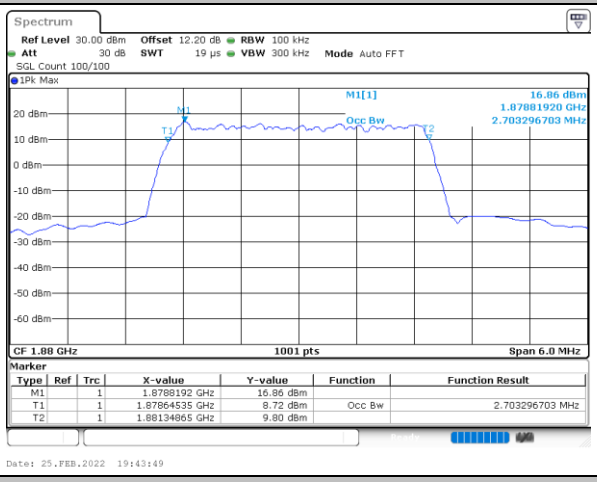
Middle Channel / 1.4MHz / 16QAM



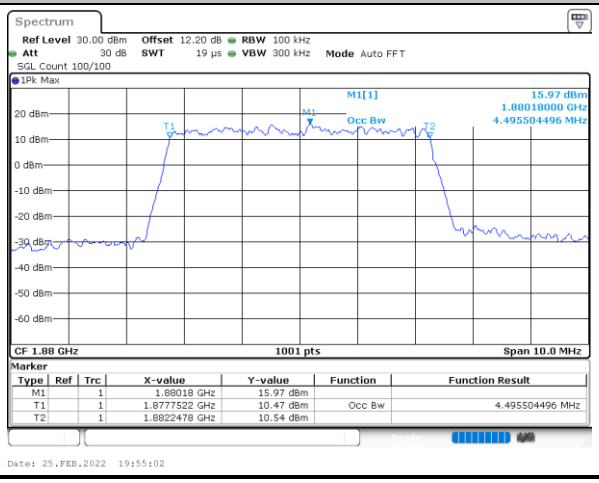
Middle Channel / 3MHz / QPSK



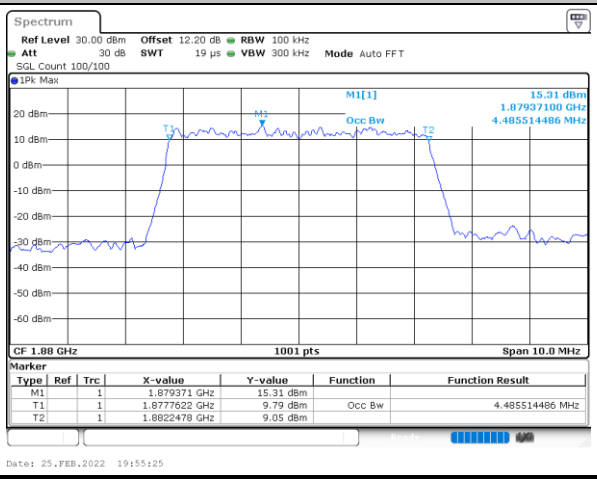
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

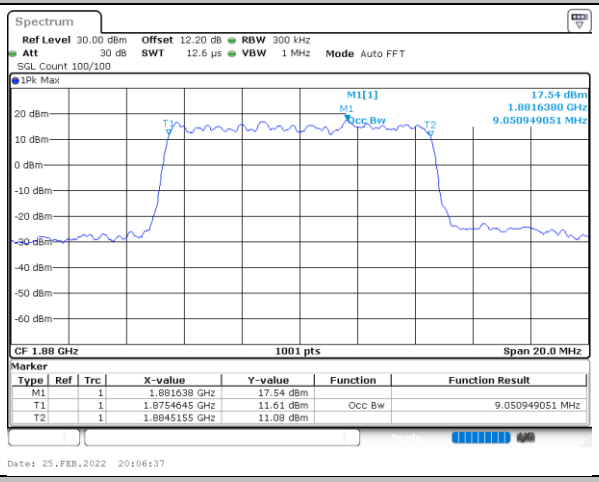


Middle Channel / 5MHz / 16QAM

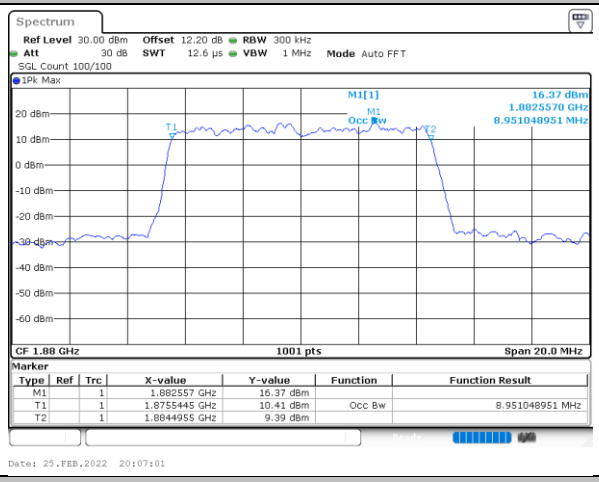


LTE Band 2

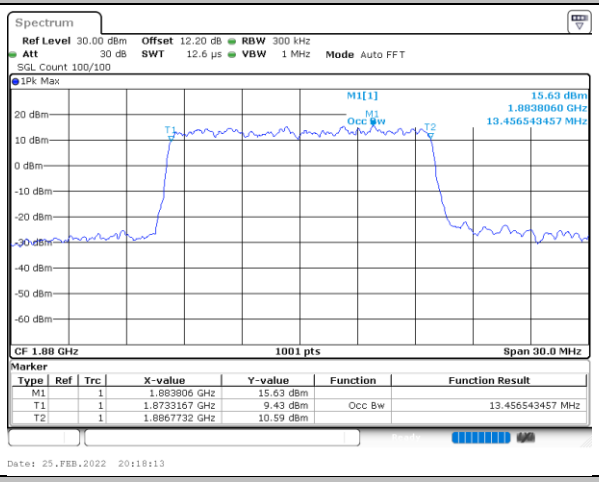
Middle Channel / 10MHz / QPSK



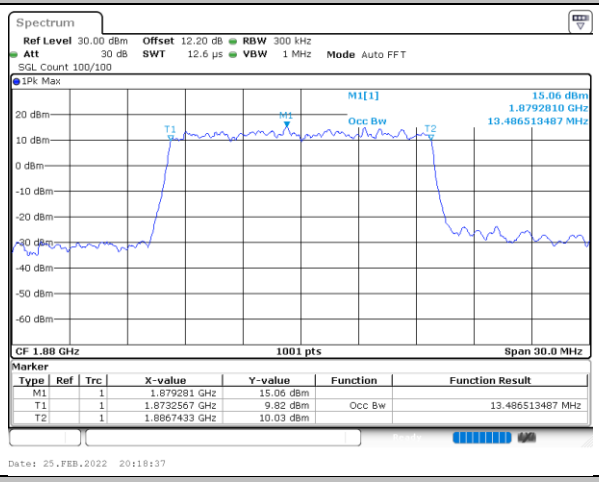
Middle Channel / 10MHz / 16QAM



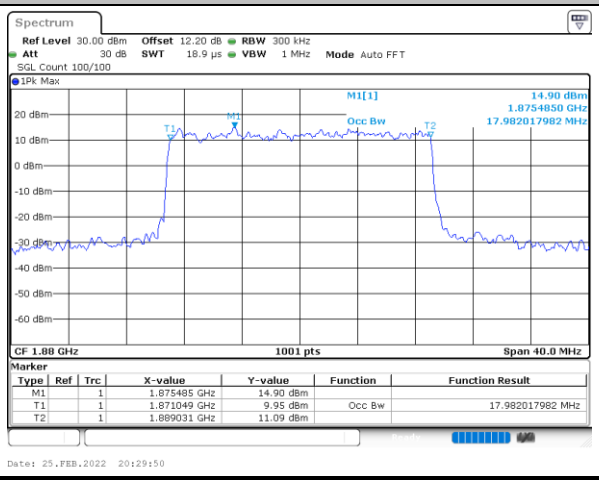
Middle Channel / 15MHz / QPSK



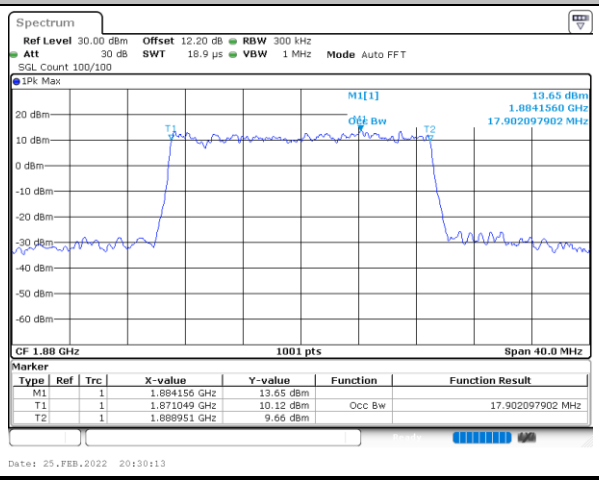
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

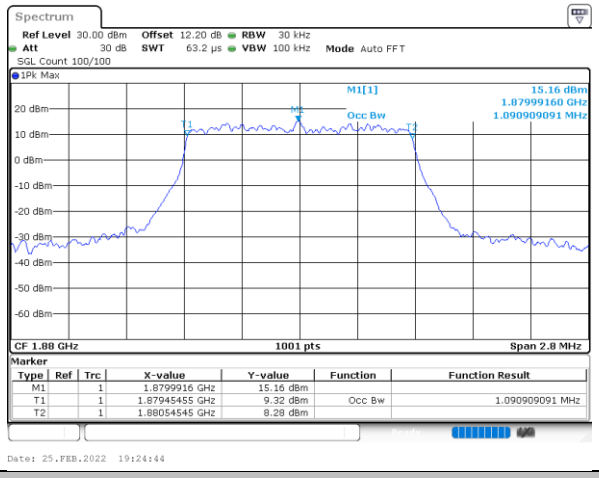


Middle Channel / 20MHz / 16QAM

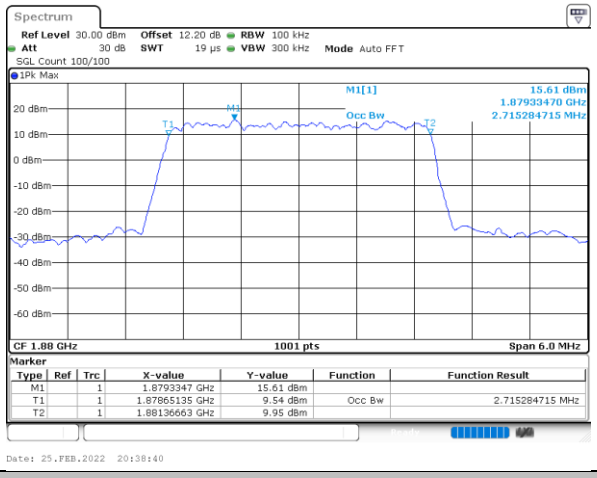


LTE Band 2

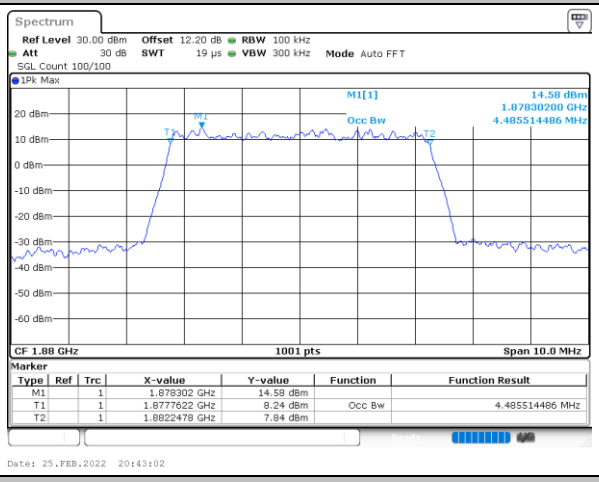
Middle Channel / 1.4MHz / 64QAM



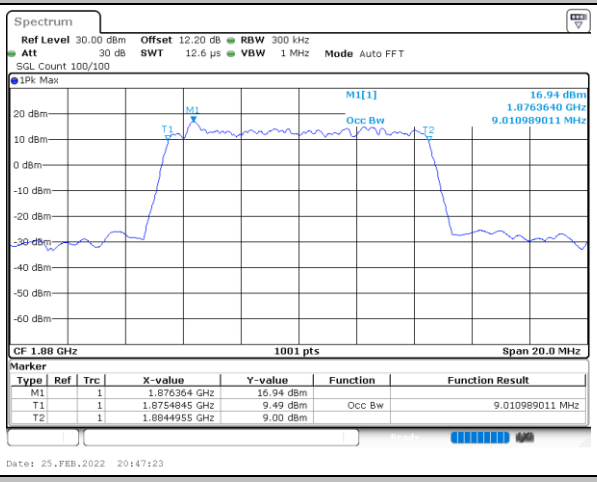
Middle Channel / 3MHz / 64QAM



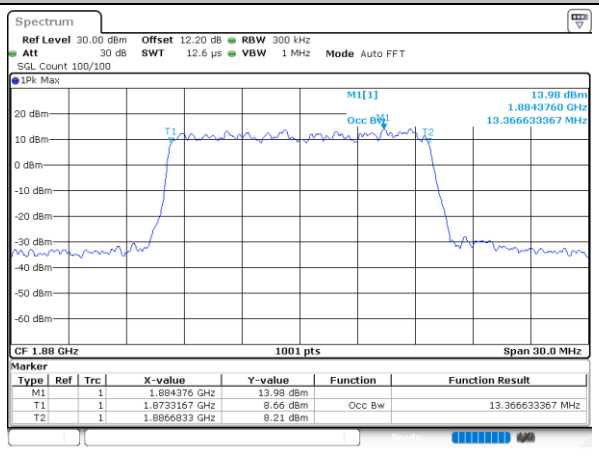
Middle Channel / 5MHz / 64QAM



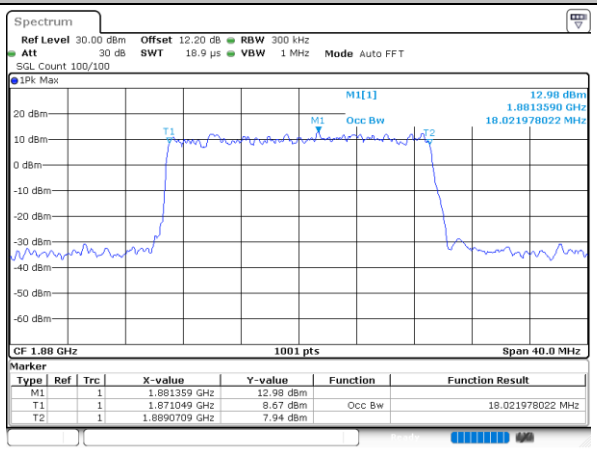
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



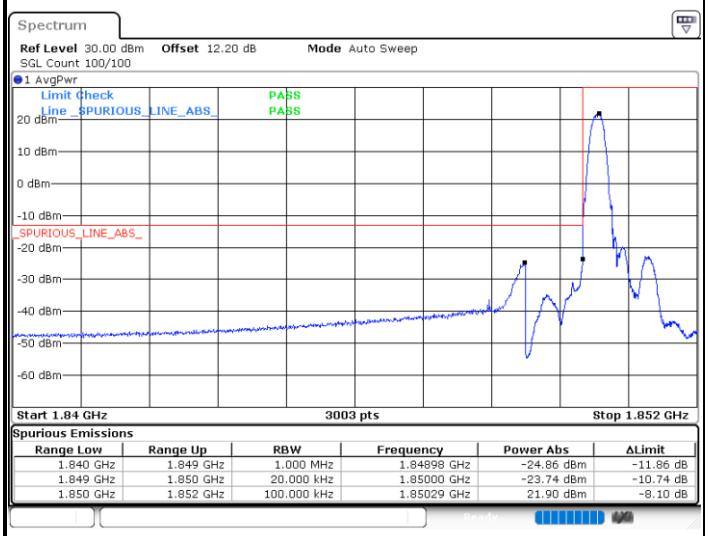
Middle Channel / 20MHz / 64QAM



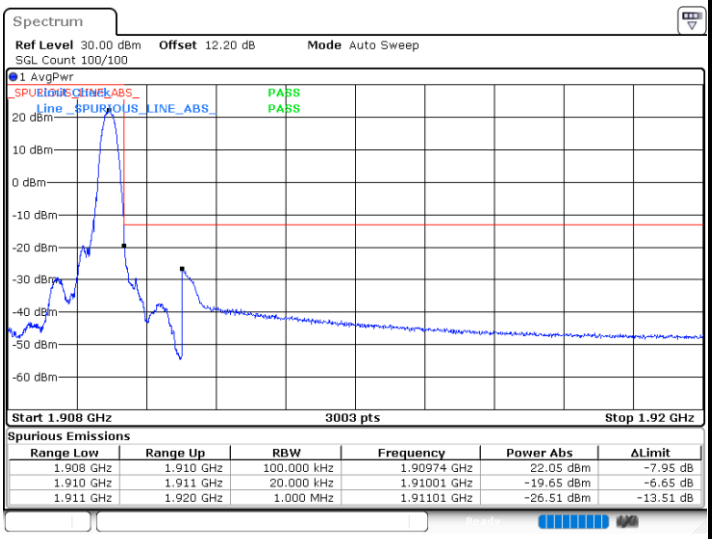
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

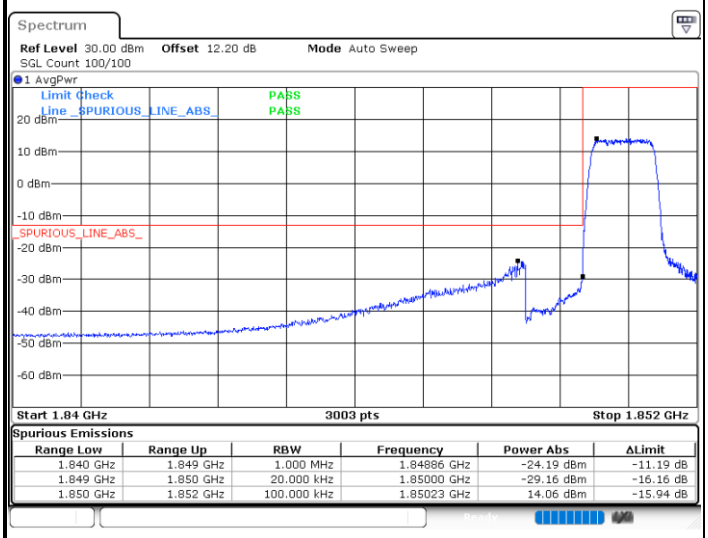
Lowest Band Edge / 1RB



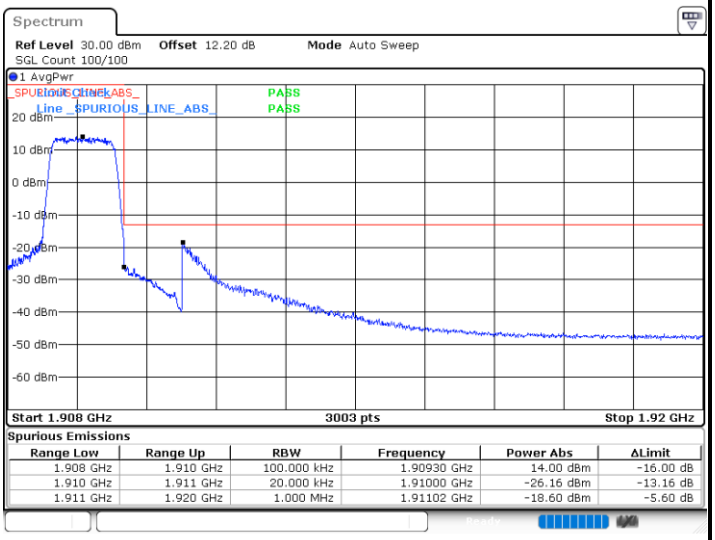
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

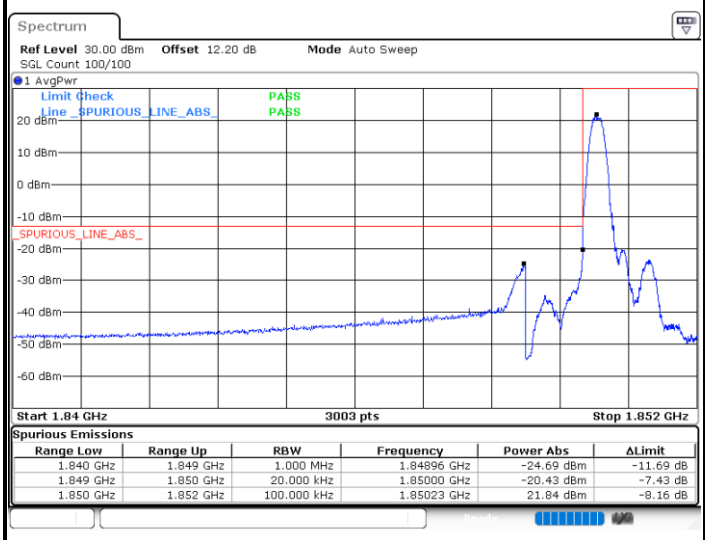


Highest Band Edge / Full RB

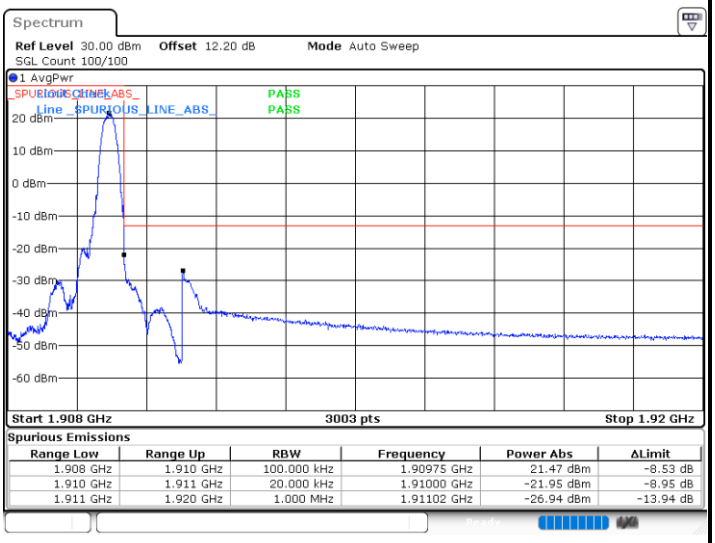


LTE Band 2 / 1.4MHz / 16QAM

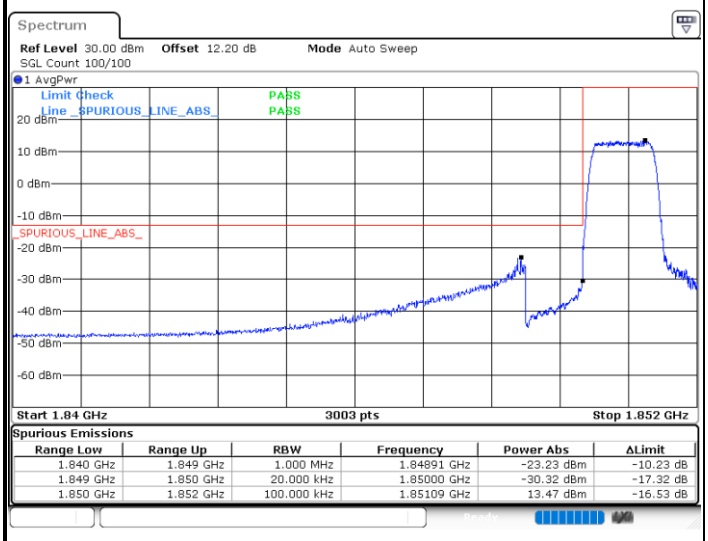
Lowest Band Edge / 1 RB



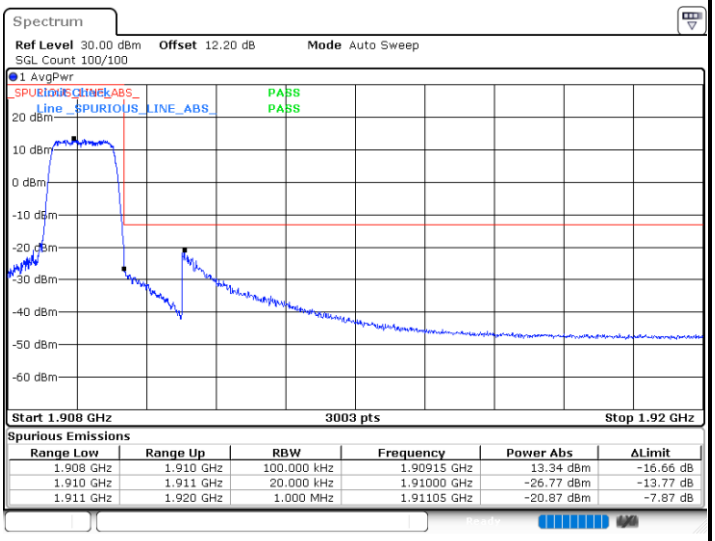
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

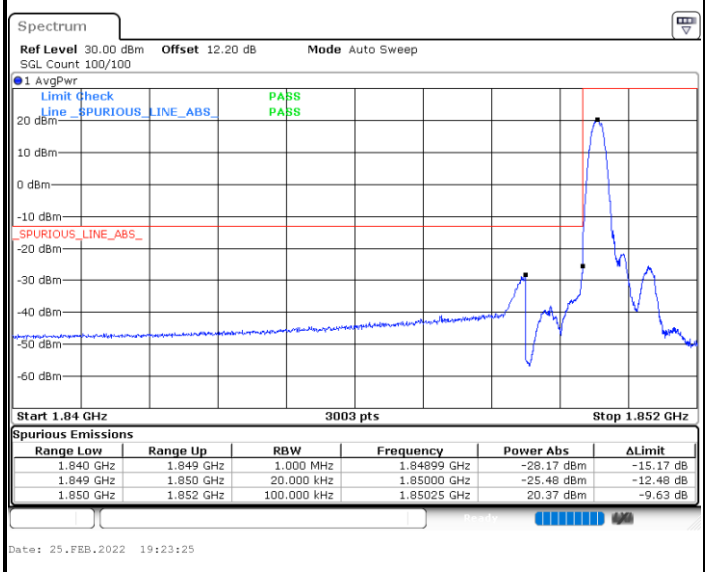


Highest Band Edge / Full RB

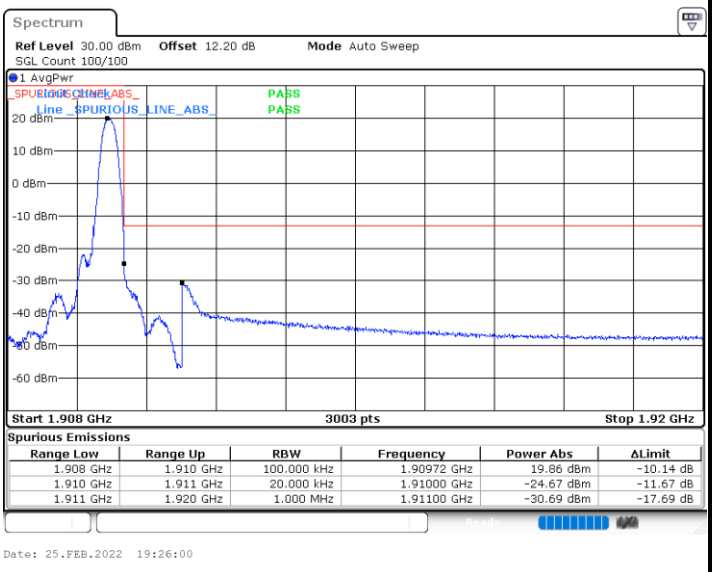


LTE Band 2 / 1.4MHz / 64QAM

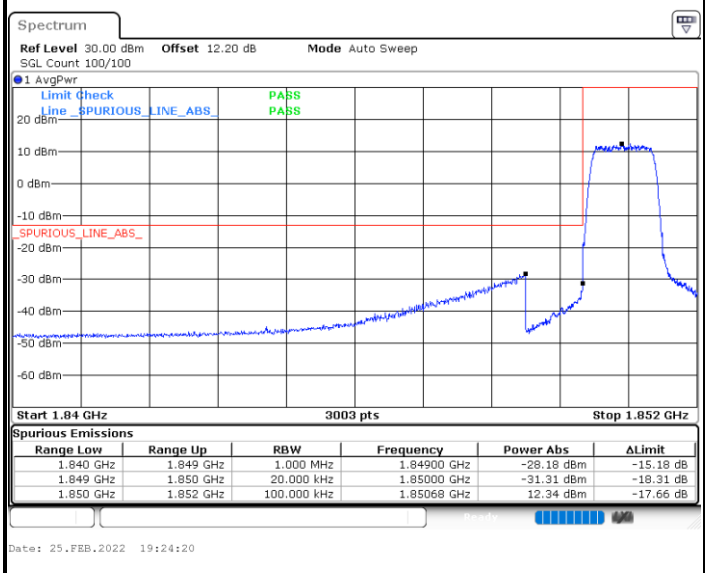
Lowest Band Edge / 1 RB



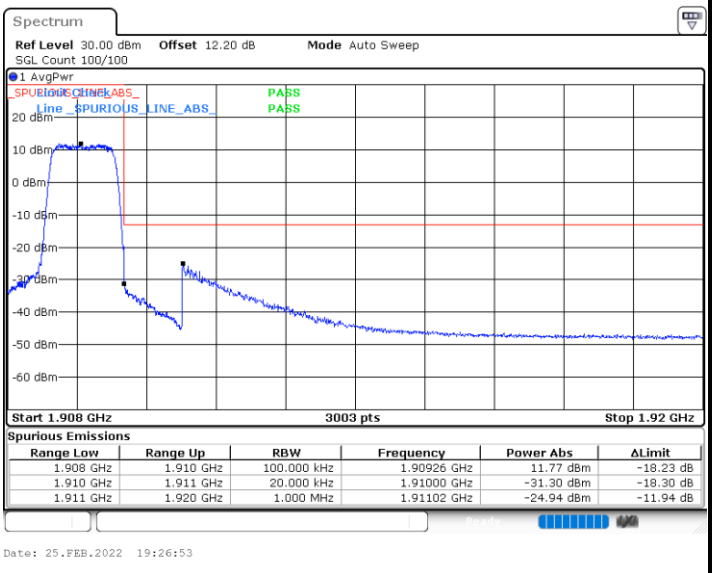
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

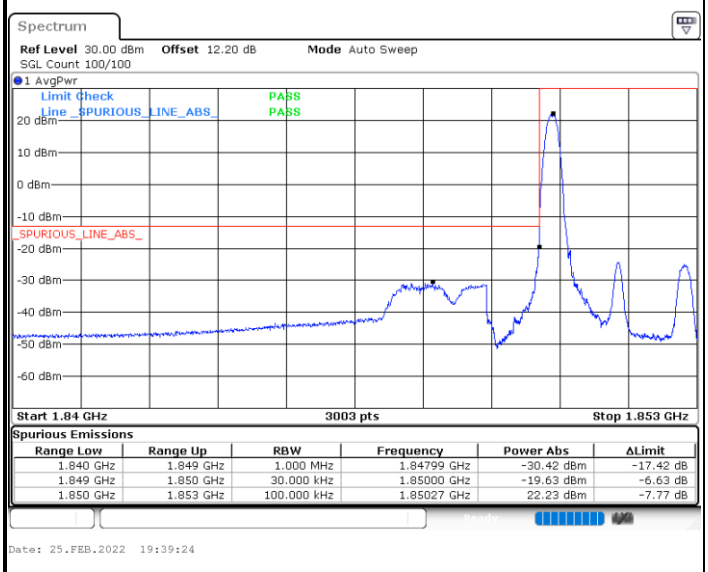


Highest Band Edge / Full RB

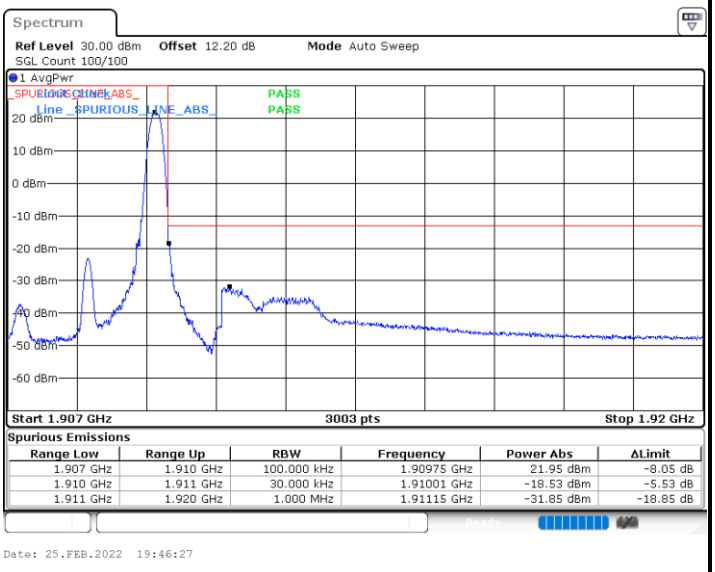


LTE Band 2 / 3MHz / QPSK

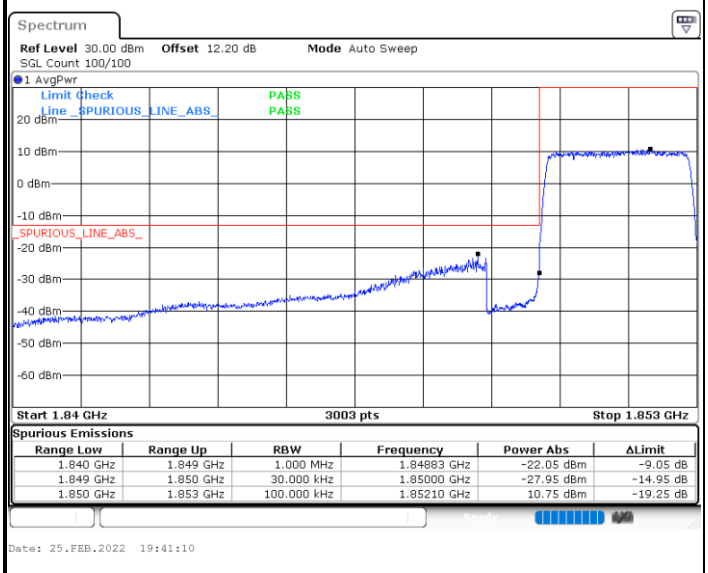
Lowest Band Edge / 1RB



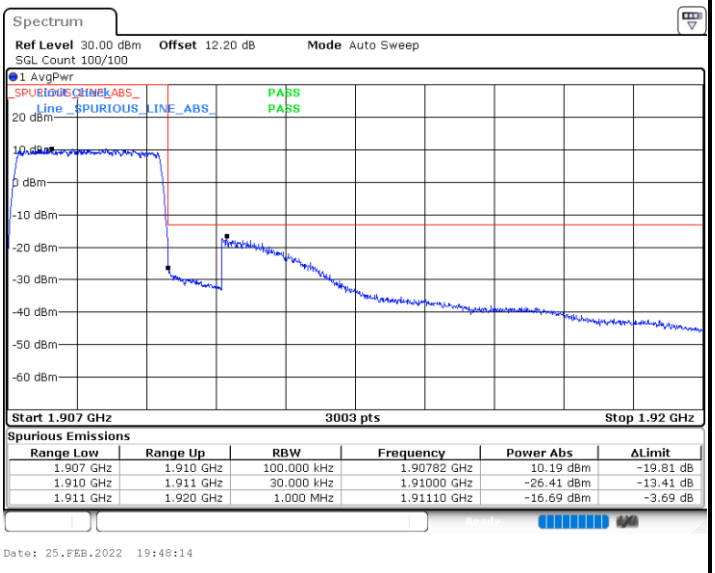
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

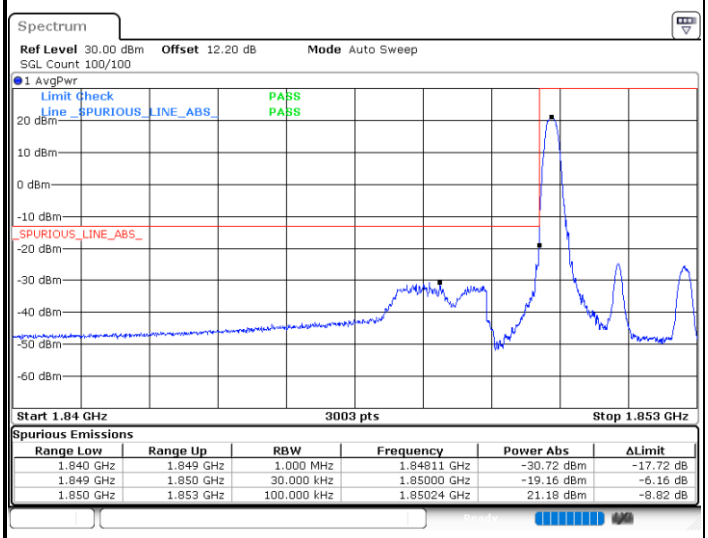


Highest Band Edge / Full RB

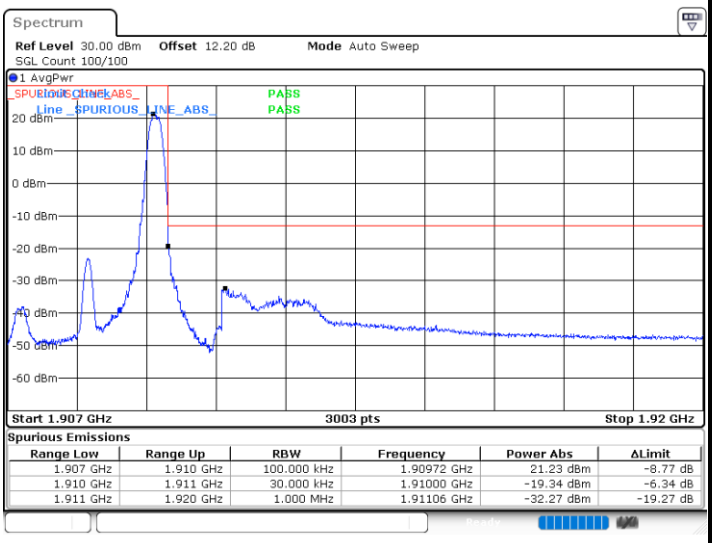


LTE Band 2 / 3MHz / 16QAM

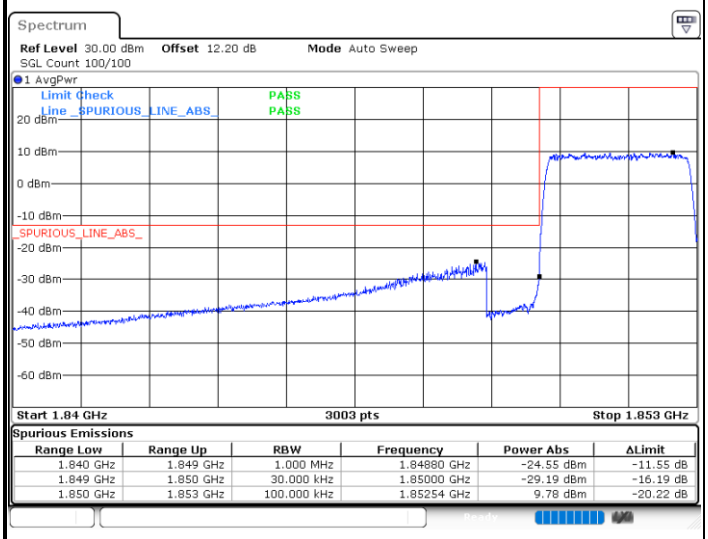
Lowest Band Edge / 1 RB



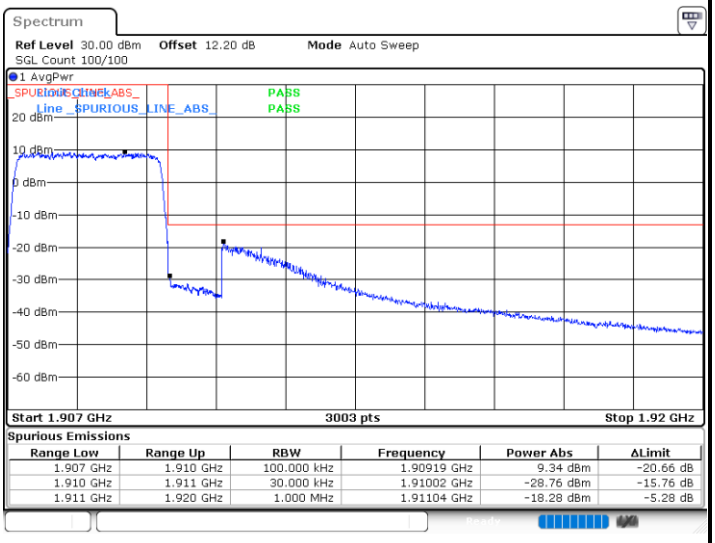
Highest Band Edge /1 RB



Lowest Band Edge / Full RB

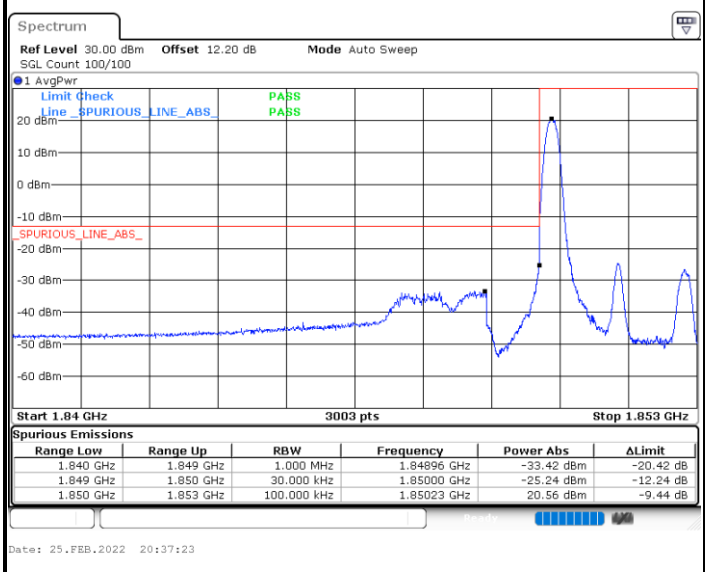


Highest Band Edge / Full RB

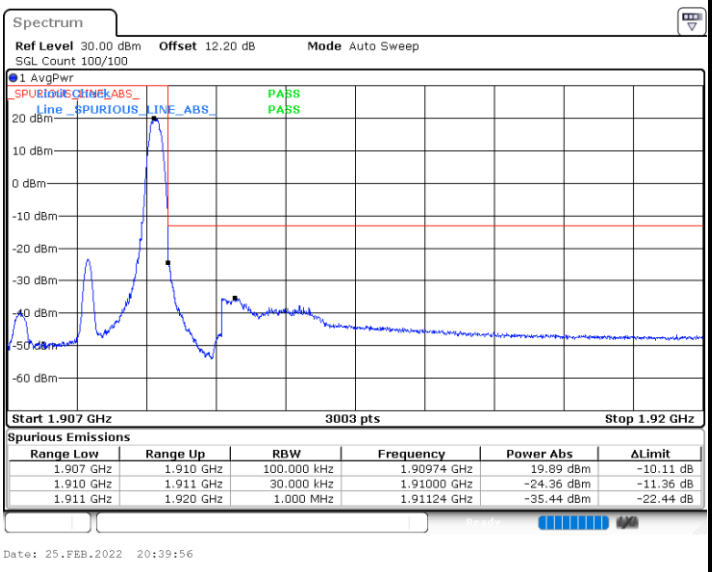


LTE Band 2 / 3MHz / 64QAM

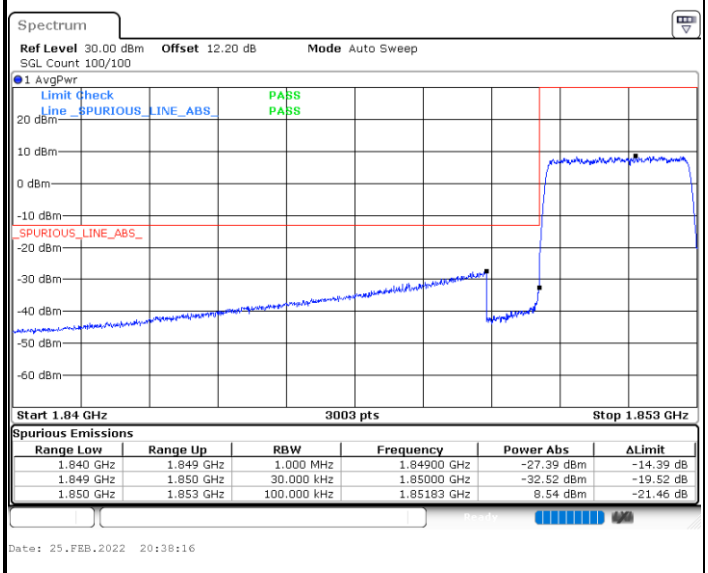
Lowest Band Edge / 1 RB



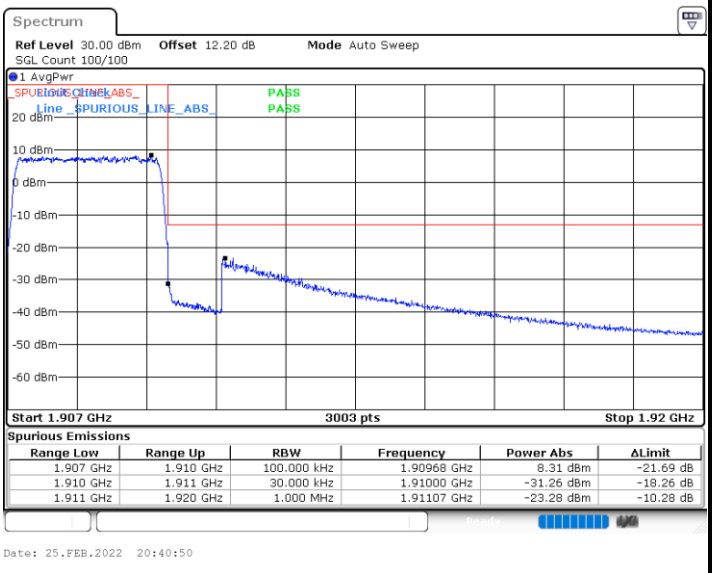
Highest Band Edge /1 RB



Lowest Band Edge / Full RB

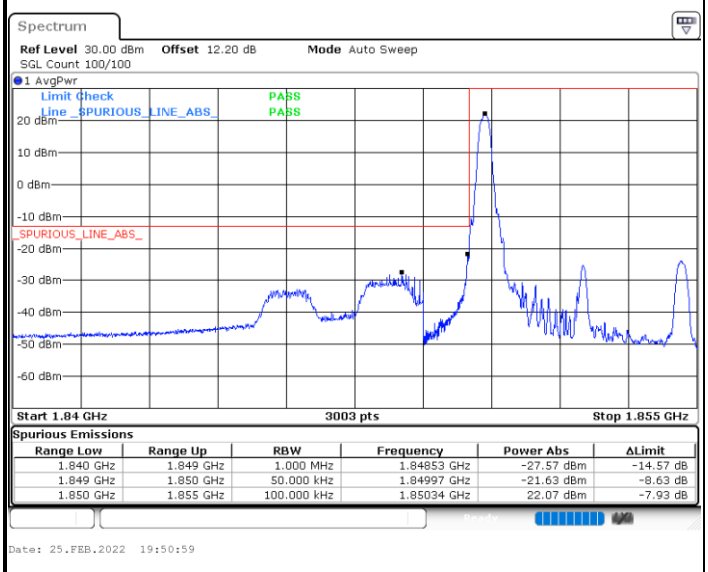


Highest Band Edge / Full RB

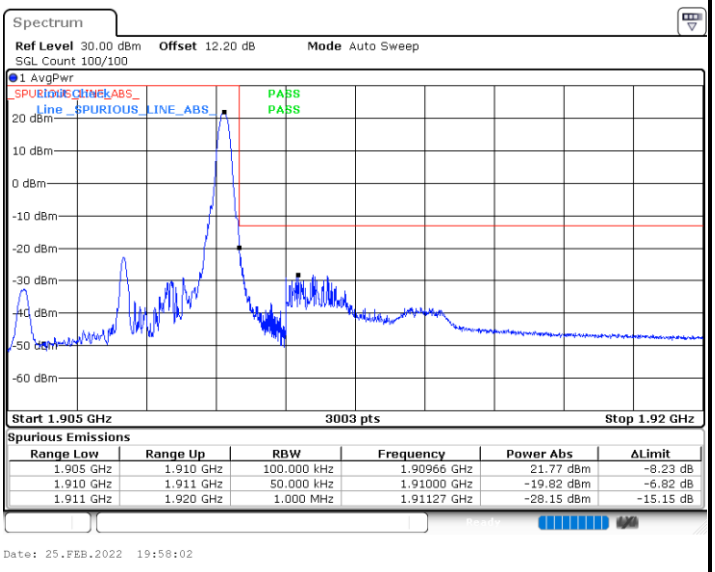


LTE Band 2 / 5MHz / QPSK

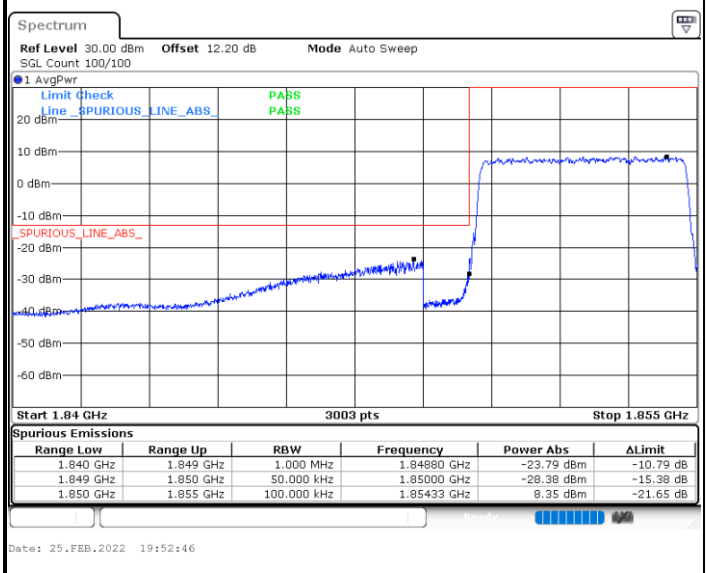
Lowest Band Edge / 1 RB



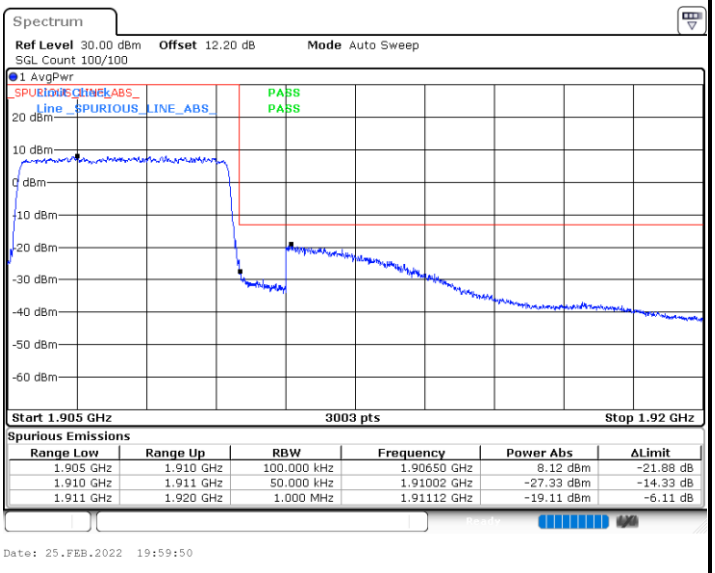
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

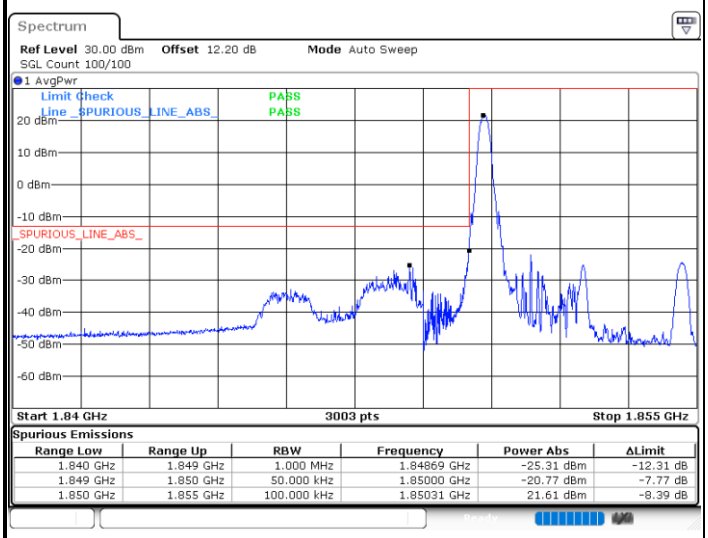


Highest Band Edge / Full RB

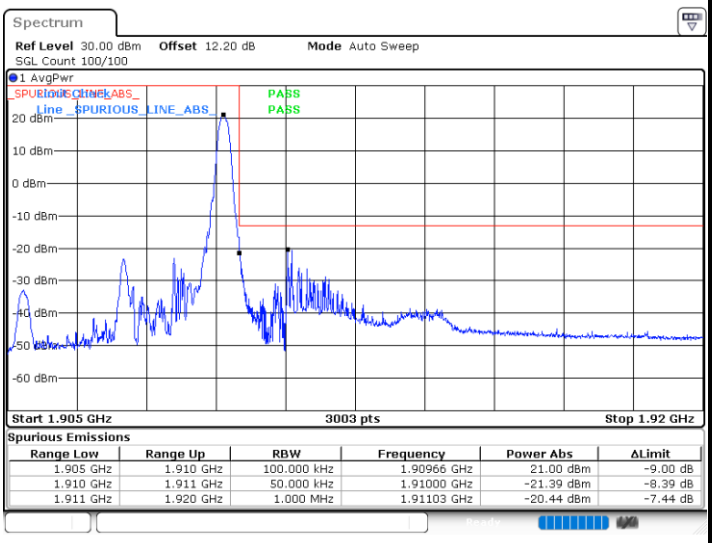


LTE Band 2 / 5MHz / 16QAM

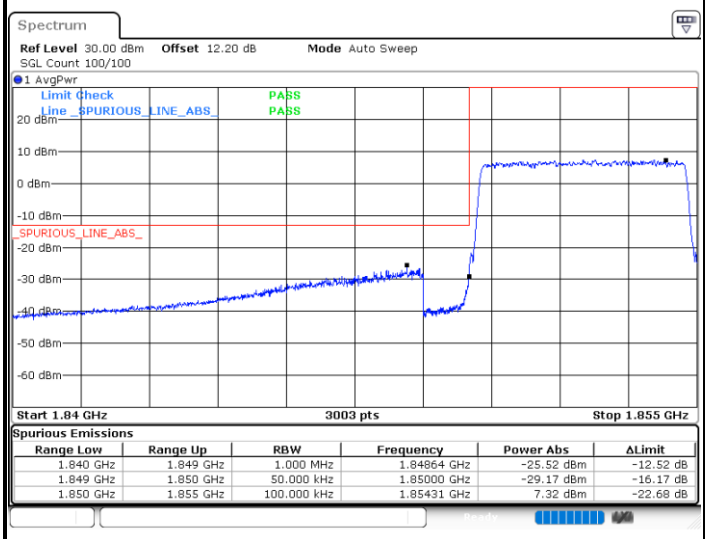
Lowest Band Edge / 1RB



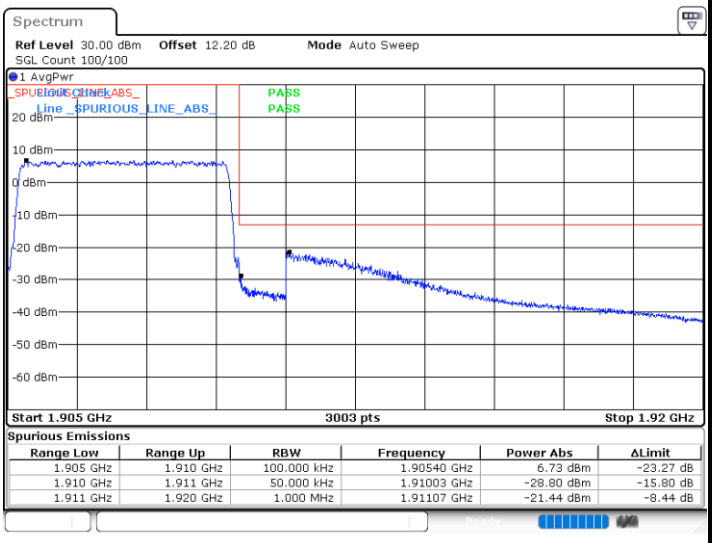
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

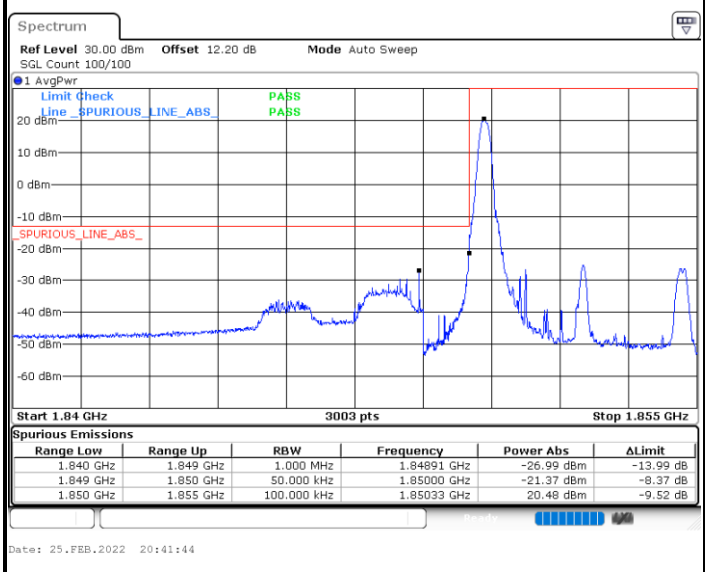


Highest Band Edge / Full RB

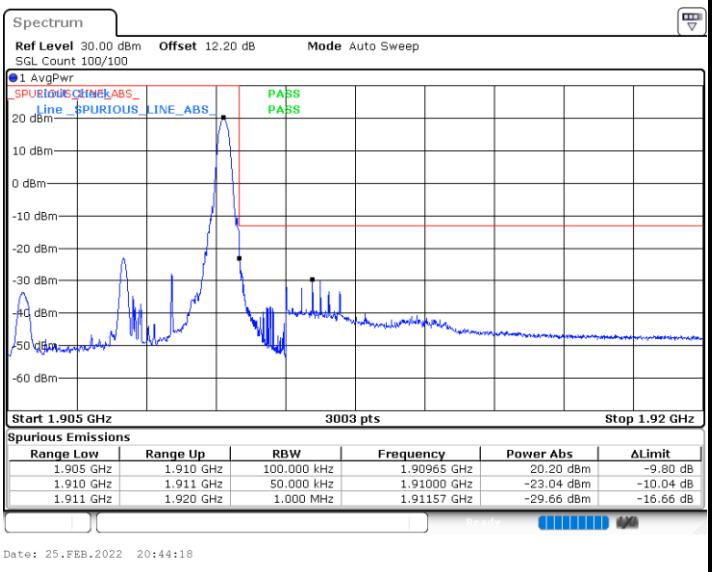


LTE Band 2 / 5MHz / 64QAM

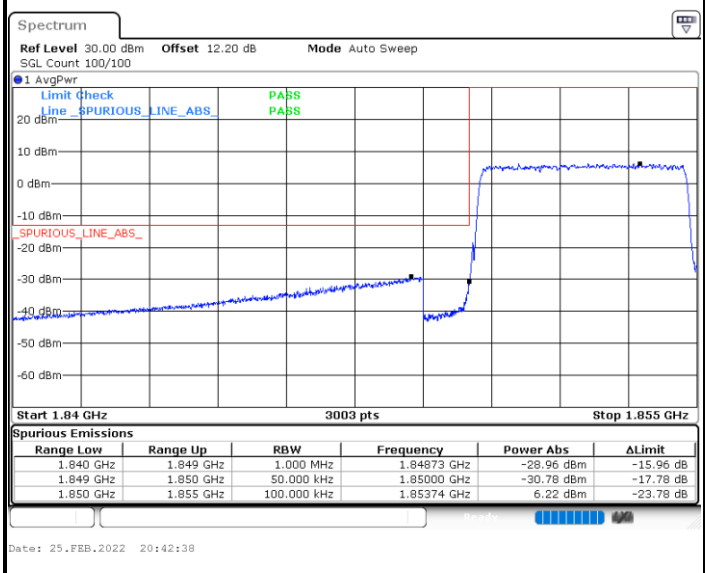
Lowest Band Edge / 1RB



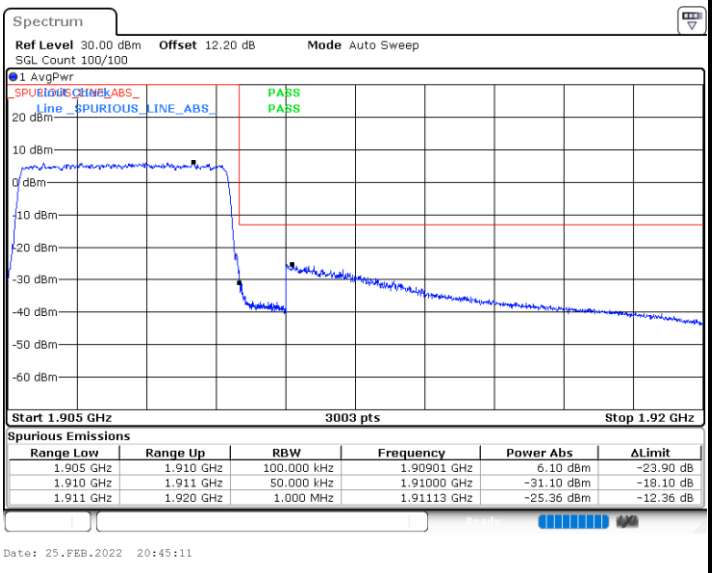
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

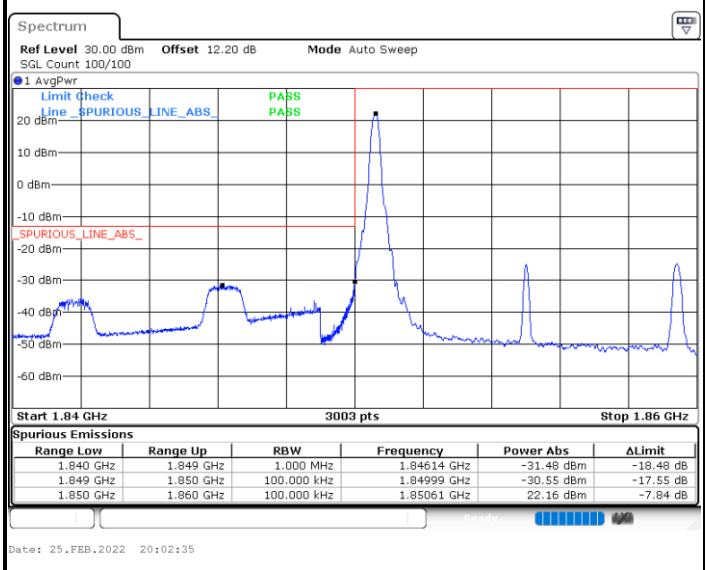


Highest Band Edge / Full RB

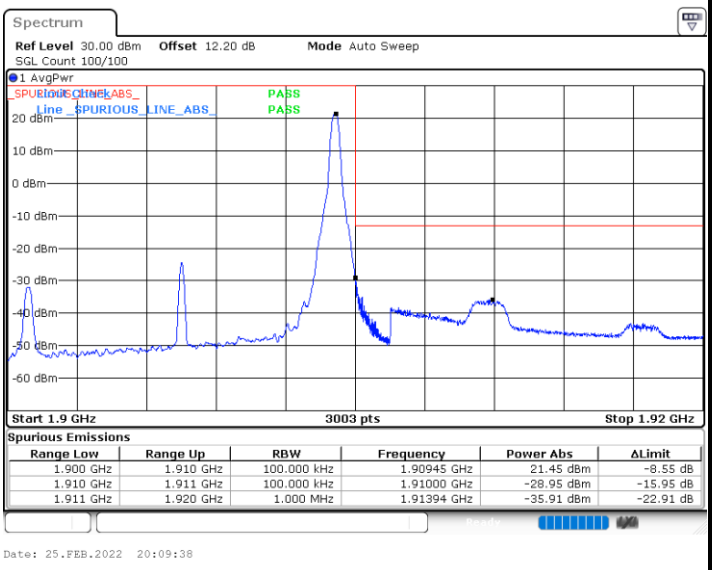


LTE Band 2 / 10MHz / QPSK

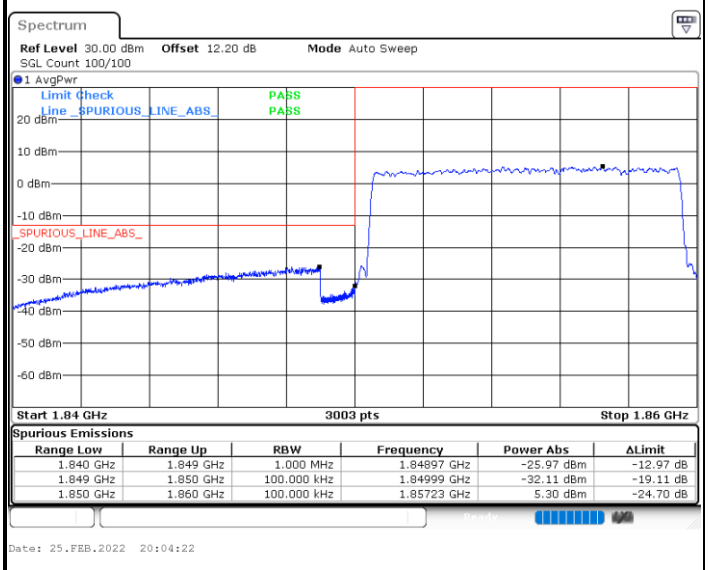
Lowest Band Edge / 1 RB



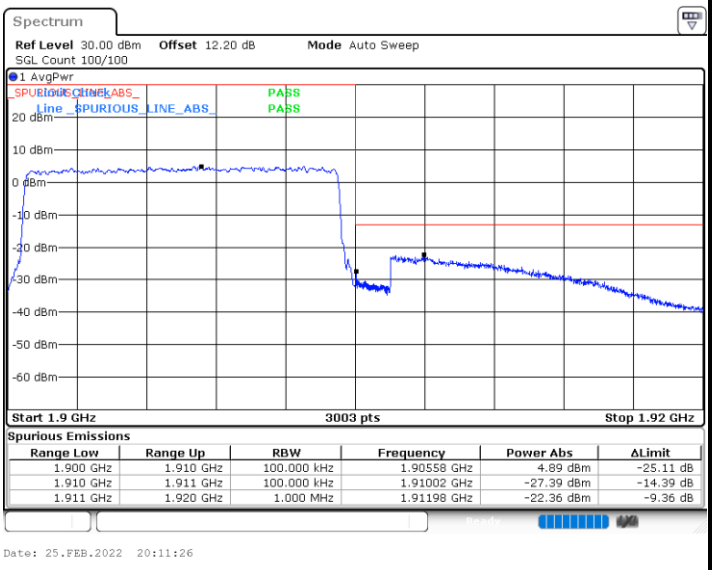
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

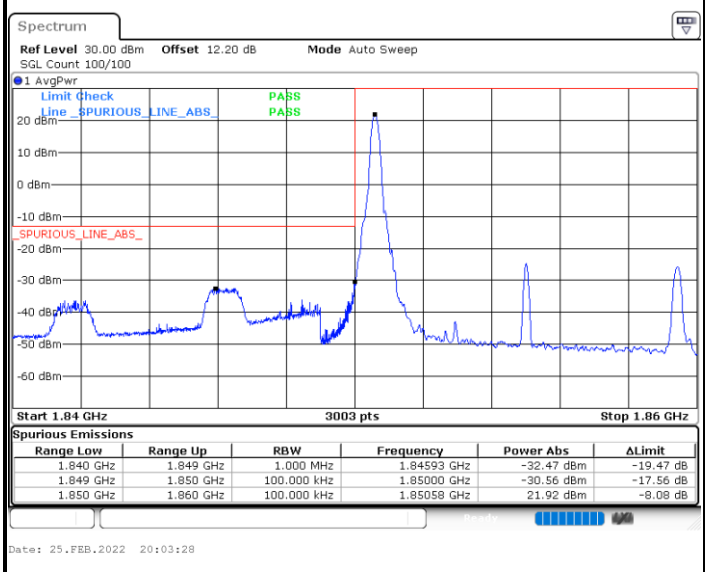


Highest Band Edge / Full RB

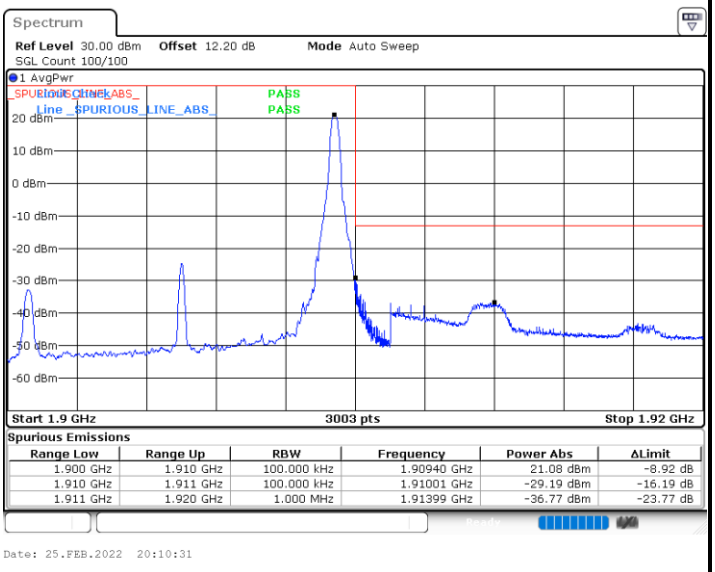


LTE Band 2 / 10MHz / 16QAM

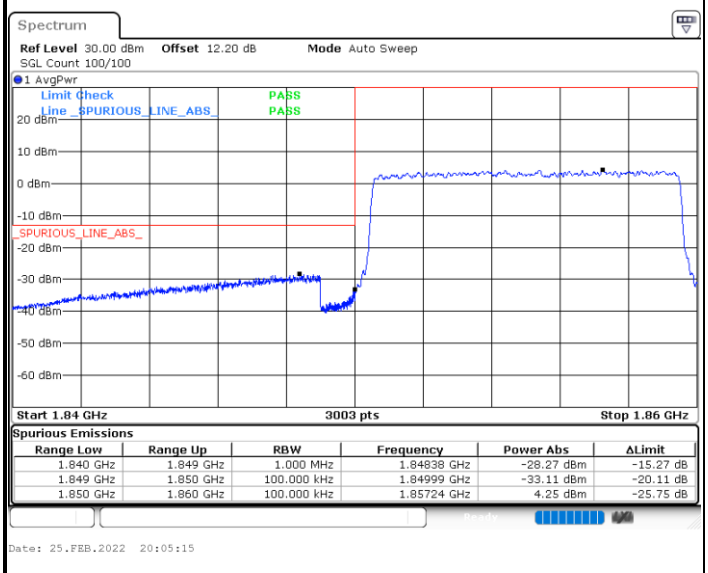
Lowest Band Edge / 1 RB



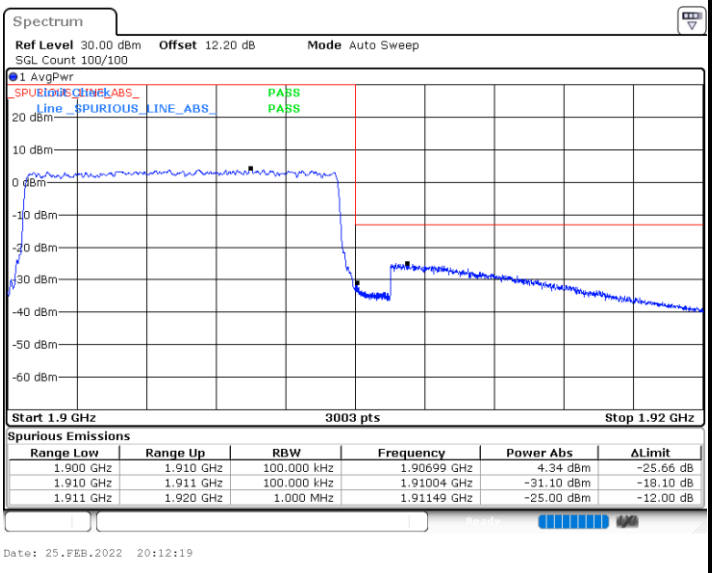
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

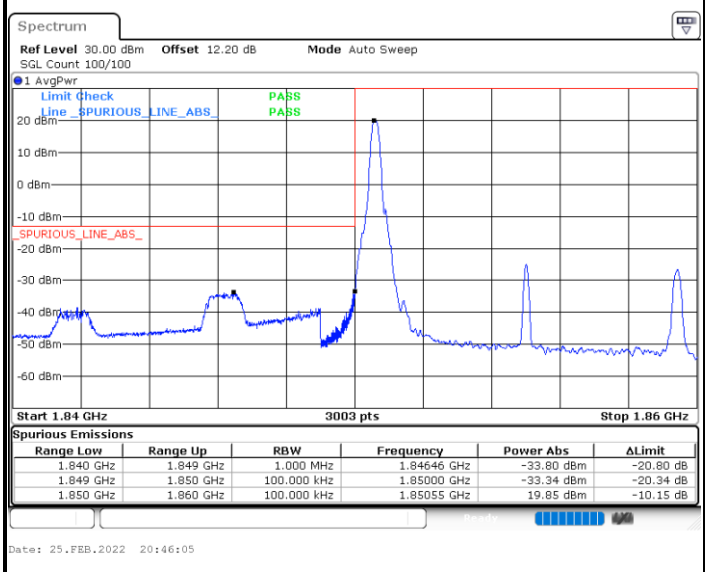


Highest Band Edge / Full RB

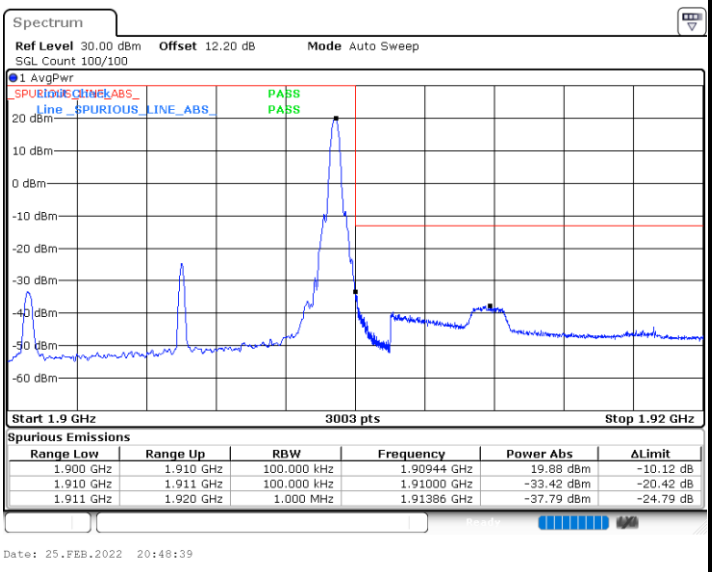


LTE Band 2 / 10MHz / 64QAM

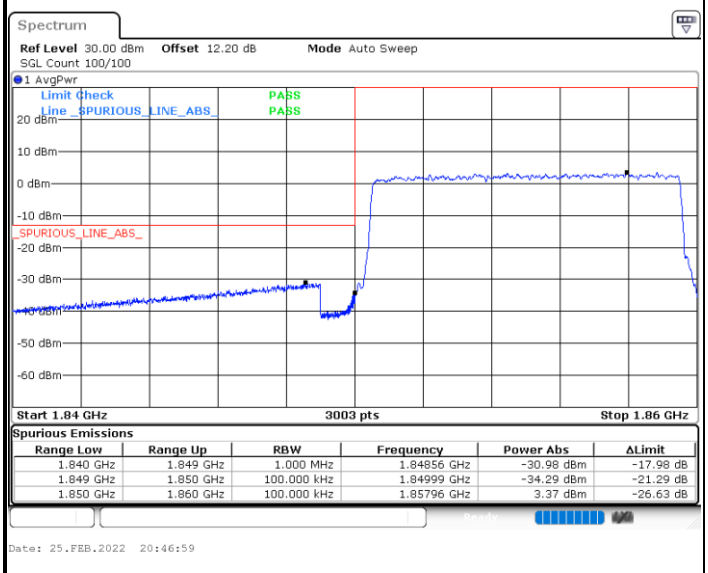
Lowest Band Edge / 1 RB



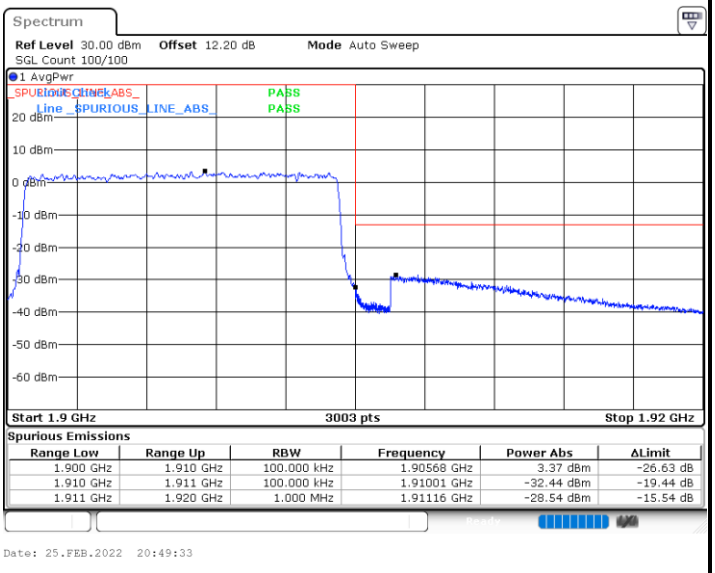
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

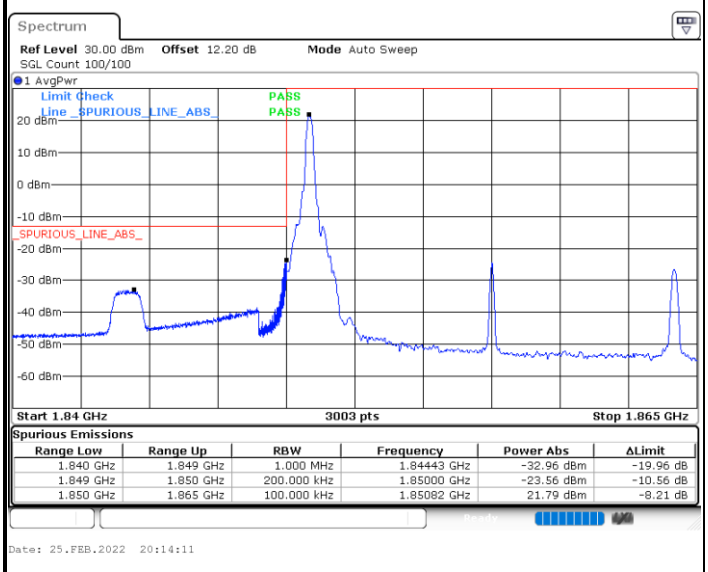


Highest Band Edge / Full RB

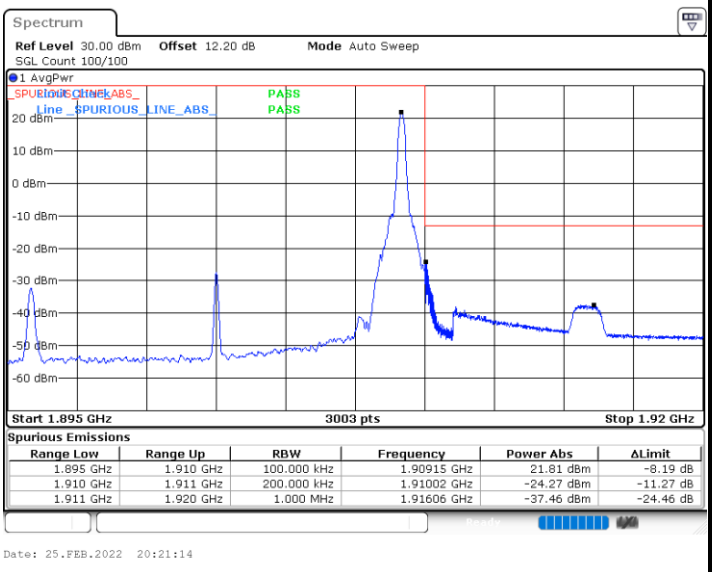


LTE Band 2 / 15MHz / QPSK

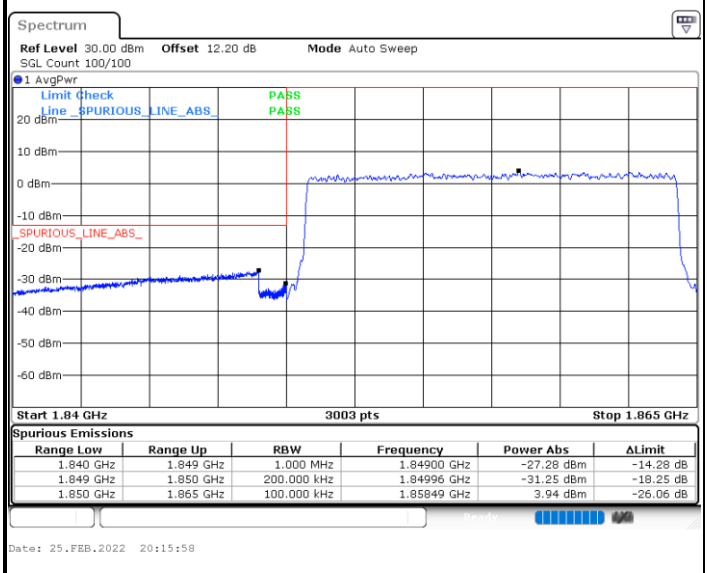
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB