FCC RADIO TEST REPORT

FCC ID	:	**UZ7TC78A1**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**TC78A1**
Applicant	:	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation** **1 Zebra Plaza, Holtsville, NY 11742**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Aug. 09, 2022 and testing was performed from Aug. 26, 2022 to Oct. 14, 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 from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

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

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FG271554B	01	Initial issue of report	Oct. 25, 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	10.89 dB under the limit at 10368.000 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 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: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	TC78A1
FCC ID	UZ7TC78A1
Sample 1	SE5500 + Premium config
Sample 2	SE4770 + Base config
Sample 3	SE5500 + Base config
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV2
SW Version	athena_A11_userdebug_GMS_RelKey_2022-07-14-1733_product_SE
MFD	11JUN22
DUT Stage	Identical Prototype

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

Specification of Accessories				
Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Battery 1X	**Brand Name**	Zebra	**Part Number**	BT-000442-0020
Battery 1.5X	**Brand Name**	Zebra	**Part Number**	BT-000442-0820
Wireless Battery	**Brand Name**	Zebra	**Part Number**	BT-000442-002A
USB TYPE A to TYPE C cable	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
USB TYPE C to 3.5mm audio connector	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
3.5mm Earphone	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
USB TYPE C Earphone	**Brand Name**	Zebra	**Part Number**	HPST-USBC-PTT1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-NGTC5-ELEC-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-NGTC5TC7-HLSTR-01
TC53/TC58 RUGGED BOOT	**Brand Name**	Zebra	**Part Number**	SG-NGTC5EXO1-01

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7 MHz ~ 1914.3 MHz LTE Band 26: 824.7 MHz ~ 848.3 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1754.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz
Rx Frequency	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5 MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 17: 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26: 869.7MHz ~ 893.3MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2154.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 17: 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz

Product Specification is subject to this standard	
Maximum Output Power to Antenna	LTE Band 2: 24.31 dBm LTE Band 4: 24.63 dBm LTE Band 5: 23.93 dBm LTE Band 7 : 23.05 dBm LTE Band 7C : 25.20 dBm LTE Band 12 : 23.63 dBm LTE Band 13 : 23.26 dBm LTE Band 17 : 23.58 dBm LTE Band 25 : 24.46 dBm LTE Band 26 : 23.90 dBm LTE Band 38 : 23.24 dBm LTE Band 41 : 23.39 dBm LTE Band 41 : 25.23 dBm for HPUE LTE Band 41C : 26.05 dBm for HPUE LTE Band 66 : 24.73 dBm LTE Band 66B : 26.16 dBm LTE Band 66C : 26.17 dBm LTE Band 71 : 23.31 dBm
Antenna Type	PIFA Antenna

Product Specification is subject to this standard	
Antenna Gain	**<Ant. 0>** LTE Band 12: 0.35 dBi LTE Band 13: 1.04 dBi LTE Band 17: 0.35 dBi LTE Band 71: -0.05 dBi **<Ant. 1>** LTE Band 2: -4.63 dBi LTE Band 5: -9.05 dBi LTE Band 7: -5.38 dBi LTE Band 12: -8.93 dBi LTE Band 13: -8.82 dBi LTE Band 17: -8.93 dBi LTE Band 25: -4.06 dBi LTE Band 26: -7.83 dBi LTE Band 38: -5.97 dBi LTE Band 41: -5.38 dBi LTE Band 71: -7.72 dBi **<Ant. 2>** LTE Band 2: -0.87 dBi LTE Band 4: 1.94 dBi LTE Band 25: -0.87 dBi LTE Band 66: 2.29 dBi **<Ant. 4>** LTE Band 2: 1.51 dBi LTE Band 4: 1.18 dBi LTE Band 5: -3.03 dBi LTE Band 25: 1.51 dBi LTE Band 26: -3.03 dBi LTE Band 66: 1.18 dBi **<Ant. 6>** LTE Band 7: -0.39 dBi LTE Band 38: -0.10 dBi LTE Band 41: -0.10 dBi **<Ant. 7>** LTE Band 2: -7.76 dBi LTE Band 7: -4.90 dBi LTE Band 25: -7.76 dBi LTE Band 38: -5.84 dBi LTE Band 41: -4.90 dBi **<Ant. 12>** LTE Band 7: 1.03 dBi LTE Band 38: 1.00 dBi LTE Band 41: 1.46 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	George Chen
Temperature (℃)	23.4~25.2
Relative Humidity (%)	52~59

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Wilson Wu, Jesse Fan and Tim Lee
Temperature (℃)	20~25
Relative Humidity (%)	50~60
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

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

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

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

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

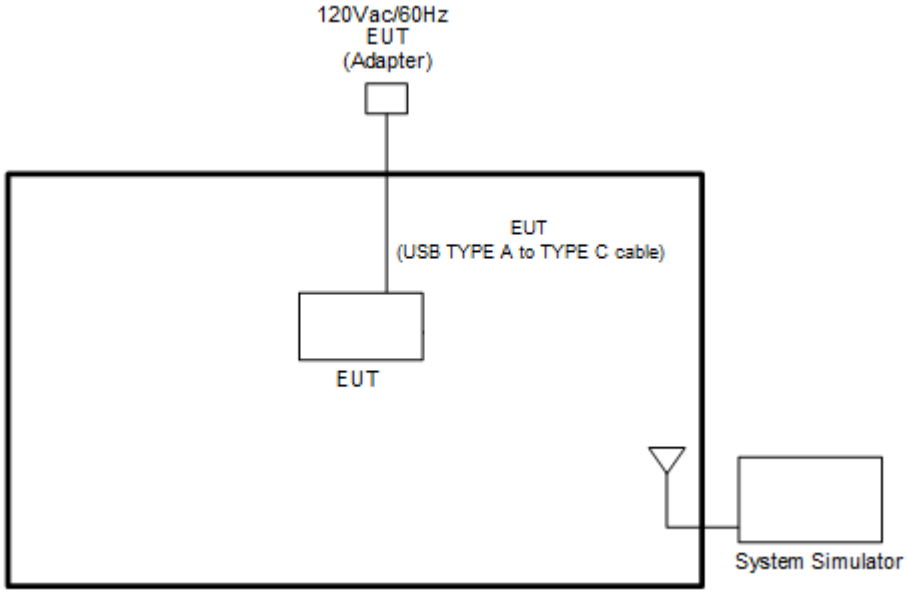
Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Frequency Stability	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	-	-		v			v						v		v	
	12				v	-	-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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	2	Covered by Band 25															
	4	Covered by Band 66															
	5	Covered by Band 26															
	7	Worst Case													v	v	v
	12	Worst Case													v	v	v
	13	Worst Case													v	v	v
	17	Covered by Band 12															
	25	Worst Case													v	v	v
	26	Worst Case													v	v	v
	38	Covered by Band 41															
	41	Worst Case													v	v	v
	66	Worst Case													v	v	v
	71	Worst Case													v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Battery 1X and Sample 1. 5. Wider operating range bandwidth covers narrower one when the power is higher or the same. 6. One representative bandwidth is selected to perform PAR and frequency stability.																

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		5+5	5+10	10+5	5+15	15+5	10+10	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	66B_CA	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	66B_CA	v	v	v	v	v	v	v	v	v	v			v		v	
Conducted Band Edge	66B_CA	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	66B_CA	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P.	66B_CA	v	v	v	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	66B_CA	Worst Case													v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Battery 1X and Sample 1.																

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v		v	
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v	
	66_CA	v	v	v	v	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		v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7_CA	v	v	v	v	v	-	-	v	v	-	v				v			v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
	66_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	Max. Power					
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
	66_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	7_CA	Worst Case																	v	v	v
	41_CA	Worst Case																	v	v	v
	66_CA	Worst Case																	v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All the radiated test cases were performed with Battery 1X and Sample 1.																				

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

2.4 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 7C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

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

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

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

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

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

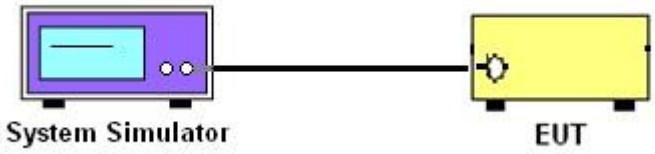
3 Conducted Test Items

3.1 Measuring Instruments

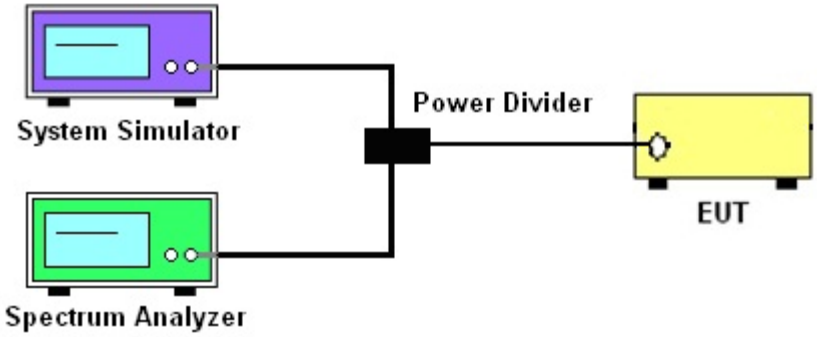
See list of measuring instruments of this test report.

3.1.1 Test Setup

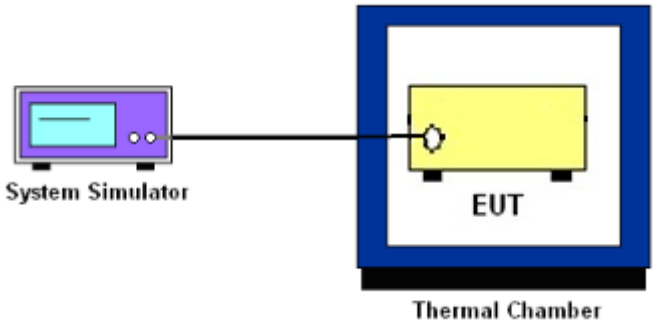
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

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

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

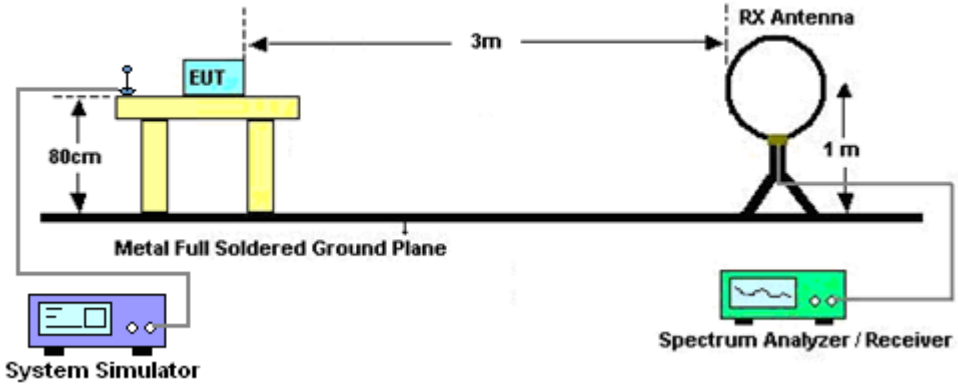
4 Radiated Test Items

4.1 Measuring Instruments

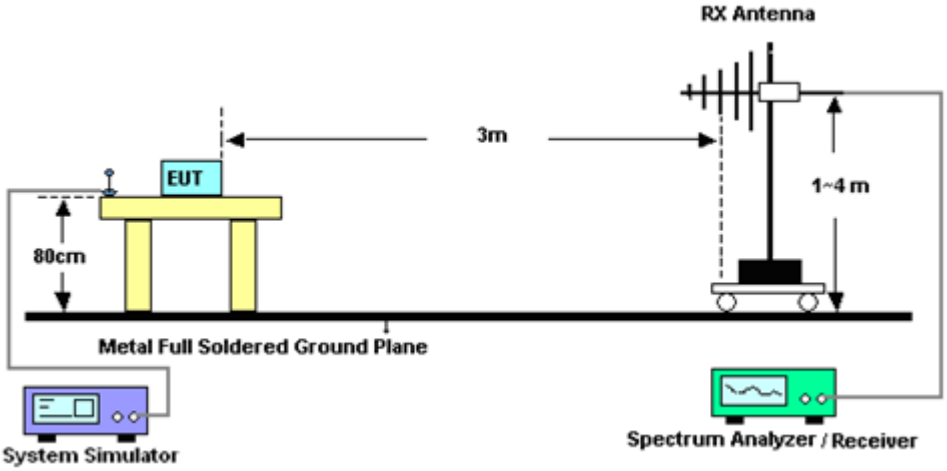
See list of measuring instruments of this test report.

4.1.1 Test Setup

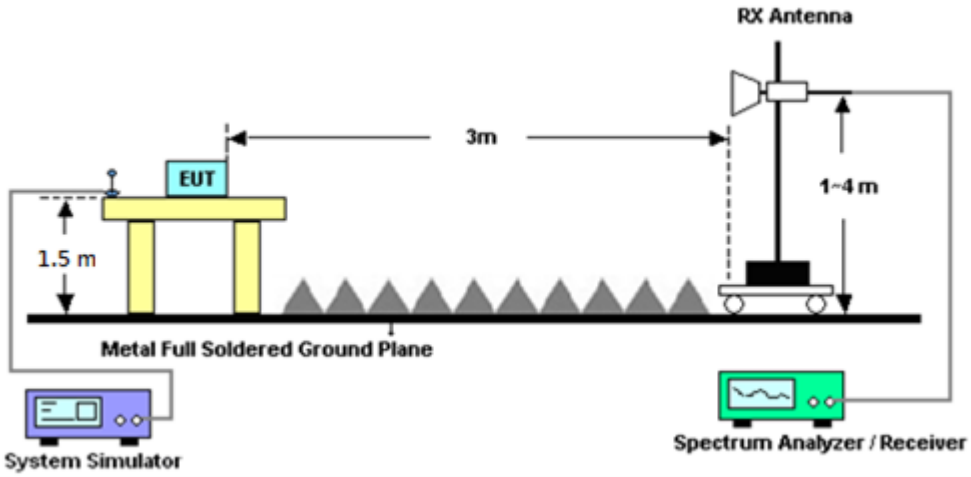
For radiated test below 30MHz



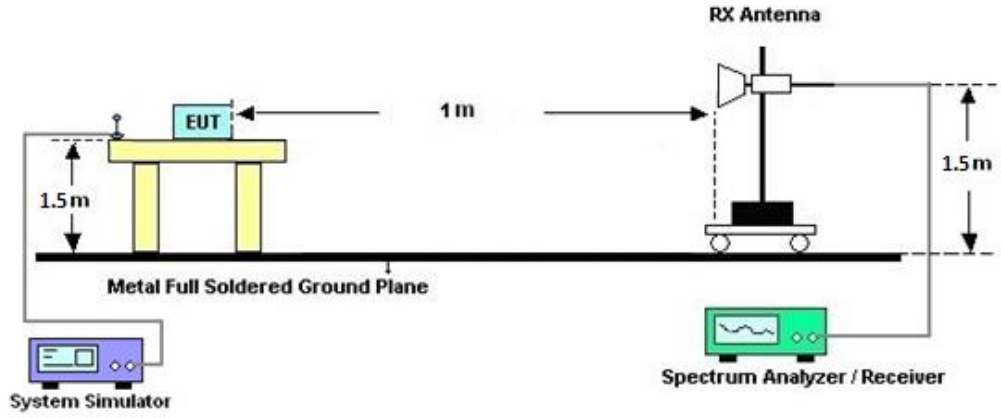
For radiated test from 30MHz to 1GHz



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	May 13, 2022	Sep. 08, 2022~ Sep. 26, 2022	May 12, 2023	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	40103 & 07	30MHz~1GHz	Apr. 24, 2022	Sep. 08, 2022~ Sep. 26, 2022	Apr. 23, 2023	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 09, 2021	Sep. 08, 2022~ Sep. 26, 2022	Oct. 08, 2022	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Dec. 03, 2021	Sep. 08, 2022~ Sep. 26, 2022	Dec. 02, 2022	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 10, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 09, 2023	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Sep. 08, 2022~ Sep. 26, 2022	Nov. 29, 2022	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Sep. 08, 2022~ Sep. 26, 2022	May 13, 2023	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 14, 2022	Sep. 08, 2022~ Sep. 26, 2022	May 13, 2023	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 23, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 22, 2023	Radiation (03CH12-HY)
Preamplifier	Aglient	8449B	3008A02375	1GHz~26.5GHz	May 24, 2022	Sep. 08, 2022~ Sep. 26, 2022	May 23, 2023	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900270	1GHz-18GHz	Dec. 27, 2021	Sep. 08, 2022~ Sep. 26, 2022	Dec. 26, 2022	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Sep. 08, 2022~ Sep. 26, 2022	Dec. 23, 2022	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY53470118	10Hz~44GHz	Jan. 12, 2022	Sep. 08, 2022~ Sep. 26, 2022	Jan. 11, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 09, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 10, 2021	Sep. 08, 2022~ Sep. 26, 2022	Dec. 09, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Sep. 08, 2022~ Sep. 26, 2022	Feb. 20, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Mar. 08, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 07, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080-1200-1500 0-60SS	SN1	1.2GHz High Pass Filter	Mar. 15, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 14, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-1800 0-60ST	SN2	3GHz High Pass Filter	Jul. 11, 2022	Sep. 08, 2022~ Sep. 26, 2022	Jul. 10, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass Filter	Mar. 15, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 14, 2023	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-1800 0-40ST	SN2	6.75GHz High Pass Filter	Mar. 16, 2022	Sep. 08, 2022~ Sep. 26, 2022	Mar. 15, 2023	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Sep. 30, 2021	Sep. 08, 2022~ Sep. 26, 2022	Sep. 29, 2022	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 08, 2022~ Sep. 26, 2022	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Sep. 08, 2022~ Sep. 26, 2022	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Sep. 08, 2022~ Sep. 26, 2022	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Sep. 08, 2022~ Sep. 26, 2022	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025280	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 29, 2021	Aug. 26, 2022~ Oct. 14, 2022	Oct. 28, 2022	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Oct. 01, 2021	Aug. 26, 2022~ Sep. 29, 2022	Sep. 30, 2022	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Sep. 27, 2022	Sep. 30, 2022~ Oct. 14, 2022	Sep. 26, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 09, 2021	Aug. 26, 2022~ Sep. 07, 2022	Sep. 08, 2022	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	Sep. 08, 2022~ Oct. 14, 2022	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V；0A~6A	Jan. 06, 2022	Aug. 26, 2022~ Oct. 14, 2022	Jan. 05, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 07, 2022	Aug. 26, 2022~ Oct. 14, 2022	Jan. 06, 2023	Conducted (TH03-HY)

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.31 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.25 dB**

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

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

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.18	24.31	24.28	23.44	0.2208
20	1	49		24.11	24.28	24.25		
20	1	99		24.17	24.18	24.21		
20	50	0		23.28	23.49	23.39		
20	50	24		23.27	23.37	23.38		
20	50	50		23.27	23.35	23.32		
20	100	0		23.33	23.50	23.48		
20	1	0	16-QAM	23.06	23.18	22.97	22.31	0.1702
20	1	49		22.95	23.10	23.14		
20	1	99		23.12	22.89	23.02		
20	50	0		22.22	22.43	22.51		
20	50	24		22.31	22.37	22.52		
20	50	50		22.34	22.50	22.56		
20	100	0		22.29	22.32	22.47		
20	1	0	64-QAM	21.93	22.33	22.38	21.58	0.1439
20	1	49		21.91	22.36	22.42		
20	1	99		22.05	22.41	22.45		
20	50	0		20.98	21.36	21.42		
20	50	24		21.05	21.34	21.48		
20	50	50		21.24	21.46	21.50		
20	100	0		21.05	21.36	21.53		
20	1	0	256-QAM	18.65	19.24	19.47	18.67	0.0736
20	1	49		18.69	19.47	19.48		
20	1	99		18.77	19.45	19.48		
20	50	0		19.03	19.34	19.39		
20	50	24		19.12	19.35	19.49		
20	50	50		19.08	19.35	19.46		
20	100	0		19.11	19.46	19.54		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.02	24.17	24.09	23.30	0.2138
15	1	37		24.10	24.14	24.17		
15	1	74		24.08	23.99	24.01		
15	36	0		23.14	23.36	23.35		
15	36	20		23.24	23.31	23.38		
15	36	39		23.19	23.23	23.21		
15	75	0		23.30	23.48	23.45		
15	1	0	16-QAM	23.00	23.02	22.94	22.26	0.1683
15	1	37		22.82	23.08	23.13		
15	1	74		23.02	22.81	22.93		
15	36	0		22.14	22.41	22.43		
15	36	20		22.24	22.22	22.50		
15	36	39		22.15	22.46	22.48		
15	75	0		22.29	22.27	22.41		
15	1	0	64-QAM	21.80	22.20	22.34	21.55	0.1429
15	1	37		21.81	22.20	22.27		
15	1	74		21.90	22.26	22.42		
15	36	0		20.82	21.30	21.27		
15	36	20		20.86	21.32	21.37		
15	36	39		21.17	21.26	21.47		
15	75	0		20.86	21.22	21.47		
15	1	0	256-QAM	18.63	19.09	19.42	18.62	0.0728
15	1	37		18.69	19.44	19.47		
15	1	74		18.61	19.34	19.32		
15	36	0		18.83	19.25	19.37		
15	36	20		18.93	19.32	19.49		
15	36	39		19.02	19.32	19.42		
15	75	0		19.02	19.26	19.39		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.17	24.19	24.13	23.36	0.2168
10	1	25		23.94	24.22	24.23		
10	1	49		24.14	24.02	24.06		
10	25	0		23.17	23.43	23.20		
10	25	12		23.07	23.23	23.24		
10	25	25		23.19	23.19	23.31		
10	50	0		23.13	23.48	23.38		
10	1	0	16-QAM	23.00	22.99	22.83	22.15	0.1641
10	1	25		22.85	22.95	22.95		
10	1	49		23.02	22.73	22.84		
10	25	0		22.12	22.33	22.40		
10	25	12		22.28	22.33	22.42		
10	25	25		22.15	22.38	22.44		
10	50	0		22.21	22.20	22.38		
10	1	0	64-QAM	21.80	22.18	22.19	21.49	0.1409
10	1	25		21.84	22.34	22.23		
10	1	49		21.86	22.36	22.25		
10	25	0		20.90	21.24	21.32		
10	25	12		20.89	21.23	21.42		
10	25	25		21.20	21.37	21.35		
10	50	0		21.01	21.25	21.34		
10	1	0	256-QAM	18.57	19.21	19.32	18.67	0.0736
10	1	25		18.58	19.45	19.35		
10	1	49		18.66	19.34	19.34		
10	25	0		19.02	19.15	19.30		
10	25	12		19.02	19.35	19.40		
10	25	25		18.89	19.35	19.37		
10	50	0		18.99	19.46	19.54		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.98	24.25	24.14	23.40	0.2188
5	1	12		24.06	24.27	24.16		
5	1	24		24.05	24.14	24.16		
5	12	0		23.27	23.36	23.20		
5	12	7		23.14	23.31	23.20		
5	12	13		23.27	23.18	23.17		
5	25	0		23.14	23.38	23.40		
5	1	0	16-QAM	22.91	22.98	22.89	22.21	0.1663
5	1	12		22.81	22.98	22.97		
5	1	24		23.08	22.72	22.85		
5	12	0		22.04	22.23	22.50		
5	12	7		22.25	22.26	22.50		
5	12	13		22.14	22.31	22.41		
5	25	0		22.12	22.21	22.45		
5	1	0	64-QAM	21.91	22.33	22.30	21.46	0.1400
5	1	12		21.73	22.22	22.28		
5	1	24		21.92	22.33	22.32		
5	12	0		20.82	21.30	21.24		
5	12	7		20.92	21.33	21.39		
5	12	13		21.20	21.36	21.30		
5	25	0		21.02	21.27	21.42		
5	1	0	256-QAM	18.62	19.20	19.40	18.58	0.0721
5	1	12		18.61	19.29	19.32		
5	1	24		18.63	19.30	19.35		
5	12	0		18.84	19.15	19.21		
5	12	7		18.93	19.16	19.36		
5	12	13		18.91	19.33	19.35		
5	25	0		19.02	19.45	19.42		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.14	24.13	24.10	23.35	0.2163
3	1	8		24.02	24.22	24.17		
3	1	14		24.12	23.99	24.05		
3	8	0		23.25	23.31	23.23		
3	8	4		23.18	23.25	23.37		
3	8	7		23.18	23.34	23.31		
3	15	0		23.14	23.45	23.37		
3	1	0	16-QAM	22.89	23.14	22.94	22.27	0.1687
3	1	8		22.88	22.95	22.95		
3	1	14		22.97	22.72	23.02		
3	8	0		22.19	22.38	22.35		
3	8	4		22.28	22.23	22.49		
3	8	7		22.17	22.39	22.36		
3	15	0		22.28	22.15	22.47		
3	1	0	64-QAM	21.93	22.17	22.23	21.51	0.1416
3	1	8		21.77	22.34	22.23		
3	1	14		21.92	22.38	22.36		
3	8	0		20.92	21.18	21.35		
3	8	4		20.96	21.21	21.35		
3	8	7		21.18	21.36	21.47		
3	15	0		20.88	21.27	21.38		
3	1	0	256-QAM	18.45	19.13	19.45	18.61	0.0726
3	1	8		18.58	19.33	19.48		
3	1	14		18.58	19.40	19.37		
3	8	0		18.90	19.25	19.33		
3	8	4		18.98	19.23	19.46		
3	8	7		19.07	19.30	19.39		
3	15	0		19.02	19.30	19.44		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.18	24.15	24.27	23.43	0.2203
1.4	1	3		24.08	24.12	24.12		
1.4	1	5		24.07	24.00	24.15		
1.4	3	0		24.11	24.30	24.20		
1.4	3	1		23.92	24.13	24.21		
1.4	3	3		24.03	24.08	24.19		
1.4	6	0		23.10	23.35	23.26		
1.4	1	0	16-QAM	23.23	23.25	23.26	22.53	0.1791
1.4	1	3		23.24	23.24	23.29		
1.4	1	5		23.19	23.39	23.40		
1.4	3	0		23.23	23.31	23.34		
1.4	3	1		23.15	23.37	23.29		
1.4	3	3		23.27	23.35	23.26		
1.4	6	0		22.08	22.41	22.46		
1.4	1	0	64-QAM	22.15	22.42	22.41	21.63	0.1455
1.4	1	3		22.24	22.26	22.49		
1.4	1	5		22.30	22.41	22.48		
1.4	3	0		22.22	22.27	22.40		
1.4	3	1		22.31	22.30	22.50		
1.4	3	3		22.14	22.22	22.27		
1.4	6	0		20.97	21.15	21.31		
1.4	1	0	256-QAM	18.86	19.16	19.19	18.60	0.0724
1.4	1	3		19.00	19.26	19.46		
1.4	1	5		19.01	19.27	19.27		
1.4	3	0		19.03	19.30	19.47		
1.4	3	1		18.86	19.15	19.37		
1.4	3	3		19.04	19.29	19.42		
1.4	6	0		19.03	19.16	19.43		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.15	24.33	24.46	23.59	0.2286
20	1	49		23.87	24.28	24.45		
20	1	99		24.07	24.29	24.38		
20	50	0		23.35	23.49	23.57		
20	50	24		23.33	23.47	23.55		
20	50	50		23.30	23.48	23.50		
20	100	0		23.35	23.51	23.57		
20	1	0	16-QAM	23.27	23.32	23.22	22.45	0.1758
20	1	49		23.11	23.13	23.00		
20	1	99		23.04	23.19	23.17		
20	50	0		22.40	22.48	22.33		
20	50	24		22.37	22.56	22.39		
20	50	50		22.39	22.55	22.46		
20	100	0		22.46	22.52	22.37		
20	1	0	64-QAM	22.47	22.51	22.32	21.64	0.1459
20	1	49		22.37	22.39	22.27		
20	1	99		22.40	22.47	22.41		
20	50	0		21.30	21.40	21.20		
20	50	24		21.46	21.54	21.38		
20	50	50		21.30	21.46	21.35		
20	100	0		21.42	21.51	21.33		
20	1	0	256-QAM	19.30	19.45	19.31	18.63	0.0729
20	1	49		19.28	19.47	19.39		
20	1	99		19.44	19.50	19.33		
20	50	0		19.28	19.37	19.20		
20	50	24		19.42	19.48	19.31		
20	50	50		19.32	19.48	19.47		
20	100	0		19.38	19.50	19.33		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.10	24.16	24.40	23.53	0.2254
15	1	37		23.73	24.12	24.34		
15	1	74		24.05	24.17	24.18		
15	36	0		23.15	23.46	23.51		
15	36	20		23.13	23.39	23.47		
15	36	39		23.24	23.33	23.54		
15	75	0		23.18	23.40	23.36		
15	1	0	16-QAM	23.22	23.14	23.10	22.35	0.1718
15	1	37		22.95	23.13	22.94		
15	1	74		22.98	23.17	23.03		
15	36	0		22.31	22.28	22.33		
15	36	20		22.27	22.42	22.29		
15	36	39		22.20	22.50	22.31		
15	75	0		22.33	22.35	22.21		
15	1	0	64-QAM	22.38	22.36	22.13	21.51	0.1416
15	1	37		22.33	22.24	22.07		
15	1	74		22.38	22.31	22.24		
15	36	0		21.26	21.28	21.00		
15	36	20		21.44	21.38	21.35		
15	36	39		21.24	21.32	21.25		
15	75	0		21.41	21.50	21.26		
15	1	0	256-QAM	19.12	19.35	19.12	18.63	0.0729
15	1	37		19.20	19.30	19.20		
15	1	74		19.43	19.44	19.19		
15	36	0		19.14	19.27	19.18		
15	36	20		19.23	19.29	19.31		
15	36	39		19.12	19.45	19.37		
15	75	0		19.19	19.50	19.21		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.15	24.22	24.38	23.51	0.2244
10	1	25		23.79	24.09	24.37		
10	1	49		24.07	24.14	24.30		
10	25	0		23.23	23.45	23.45		
10	25	12		23.32	23.27	23.38		
10	25	25		23.22	23.40	23.53		
10	50	0		23.29	23.33	23.47		
10	1	0	16-QAM	23.26	23.31	23.02	22.44	0.1754
10	1	25		23.11	22.94	22.90		
10	1	49		22.93	23.05	22.99		
10	25	0		22.38	22.37	22.32		
10	25	12		22.30	22.49	22.20		
10	25	25		22.38	22.54	22.36		
10	50	0		22.40	22.37	22.27		
10	1	0	64-QAM	22.39	22.47	22.24	21.60	0.1445
10	1	25		22.17	22.36	22.18		
10	1	49		22.28	22.34	22.35		
10	25	0		21.20	21.26	21.11		
10	25	12		21.44	21.41	21.18		
10	25	25		21.16	21.37	21.28		
10	50	0		21.30	21.40	21.20		
10	1	0	256-QAM	19.22	19.34	19.25	18.61	0.0726
10	1	25		19.12	19.30	19.35		
10	1	49		19.25	19.45	19.16		
10	25	0		19.10	19.34	19.04		
10	25	12		19.34	19.48	19.24		
10	25	25		19.20	19.46	19.43		
10	50	0		19.31	19.33	19.17		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.06	24.31	24.28	23.46	0.2218
5	1	12		23.83	24.26	24.33		
5	1	24		23.94	24.28	24.25		
5	12	0		23.30	23.44	23.36		
5	12	7		23.25	23.30	23.53		
5	12	13		23.21	23.35	23.40		
5	25	0		23.34	23.47	23.38		
5	1	0	16-QAM	23.20	23.27	23.22	22.40	0.1738
5	1	12		22.92	23.13	22.82		
5	1	24		23.03	23.12	23.05		
5	12	0		22.32	22.35	22.33		
5	12	7		22.20	22.38	22.28		
5	12	13		22.30	22.44	22.28		
5	25	0		22.28	22.40	22.22		
5	1	0	64-QAM	22.45	22.43	22.27	21.58	0.1439
5	1	12		22.21	22.19	22.20		
5	1	24		22.26	22.28	22.30		
5	12	0		21.20	21.25	21.12		
5	12	7		21.38	21.48	21.24		
5	12	13		21.20	21.34	21.24		
5	25	0		21.23	21.51	21.25		
5	1	0	256-QAM	19.24	19.32	19.29	18.60	0.0724
5	1	12		19.20	19.34	19.33		
5	1	24		19.25	19.35	19.30		
5	12	0		19.12	19.27	19.16		
5	12	7		19.40	19.40	19.12		
5	12	13		19.14	19.32	19.27		
5	25	0		19.36	19.47	19.16		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.96	24.25	24.41	23.54	0.2259
3	1	8		23.69	24.27	24.25		
3	1	14		24.01	24.29	24.35		
3	8	0		23.22	23.35	23.41		
3	8	4		23.22	23.46	23.45		
3	8	7		23.26	23.40	23.52		
3	15	0		23.35	23.34	23.39		
3	1	0	16-QAM	23.12	23.30	23.14	22.43	0.1750
3	1	8		22.95	23.07	22.80		
3	1	14		22.88	23.09	23.08		
3	8	0		22.36	22.47	22.16		
3	8	4		22.24	22.41	22.26		
3	8	7		22.31	22.40	22.42		
3	15	0		22.34	22.35	22.19		
3	1	0	64-QAM	22.29	22.48	22.26	21.61	0.1449
3	1	8		22.22	22.20	22.22		
3	1	14		22.25	22.37	22.36		
3	8	0		21.28	21.33	21.08		
3	8	4		21.27	21.38	21.28		
3	8	7		21.17	21.38	21.29		
3	15	0		21.23	21.46	21.28		
3	1	0	256-QAM	19.16	19.42	19.13	18.59	0.0723
3	1	8		19.08	19.35	19.27		
3	1	14		19.34	19.41	19.14		
3	8	0		19.12	19.18	19.14		
3	8	4		19.22	19.44	19.16		
3	8	7		19.27	19.45	19.46		
3	15	0		19.25	19.40	19.26		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.03	24.33	24.29	23.55	0.2265
1.4	1	3		23.72	24.19	24.39		
1.4	1	5		23.88	24.29	24.33		
1.4	3	0		24.04	24.32	24.42		
1.4	3	1		23.73	24.27	24.29		
1.4	3	3		23.94	24.24	24.31		
1.4	6	0		23.20	23.30	23.49		
1.4	1	0	16-QAM	23.23	23.46	23.53	22.66	0.1845
1.4	1	3		23.24	23.39	23.52		
1.4	1	5		23.17	23.36	23.33		
1.4	3	0		23.27	23.25	23.02		
1.4	3	1		23.00	23.12	22.81		
1.4	3	3		22.99	23.01	23.13		
1.4	6	0		22.28	22.40	22.25		
1.4	1	0	64-QAM	22.31	22.43	22.24	21.62	0.1452
1.4	1	3		22.28	22.41	22.28		
1.4	1	5		22.40	22.32	22.28		
1.4	3	0		22.39	22.49	22.18		
1.4	3	1		22.37	22.38	22.20		
1.4	3	3		22.25	22.39	22.33		
1.4	6	0		21.24	21.29	21.16		
1.4	1	0	256-QAM	19.28	19.38	19.31	18.56	0.0718
1.4	1	3		19.18	19.37	19.26		
1.4	1	5		19.35	19.43	19.17		
1.4	3	0		19.15	19.26	19.05		
1.4	3	1		19.40	19.43	19.19		
1.4	3	3		19.26	19.39	19.28		
1.4	6	0		19.35	19.33	19.13		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.40	24.63	24.36	25.81	0.3811
20	1	49		24.22	24.27	24.19		
20	1	99		24.36	24.40	24.24		
20	50	0		22.72	22.72	22.67		
20	50	24		22.70	22.76	22.56		
20	50	50		22.72	22.78	22.64		
20	100	0		22.68	22.72	22.53		
20	1	0	16-QAM	23.66	23.70	23.58	24.88	0.3076
20	1	49		23.21	23.23	23.17		
20	1	99		23.42	23.51	23.30		
20	50	0		21.77	21.80	21.58		
20	50	24		21.79	21.82	21.73		
20	50	50		22.72	22.75	22.62		
20	100	0		21.69	21.77	21.63		
20	1	0	64-QAM	22.64	22.65	22.55	23.83	0.2415
20	1	49		22.38	22.38	22.25		
20	1	99		22.46	22.53	22.41		
20	50	0		21.65	21.73	21.56		
20	50	24		21.69	21.77	21.59		
20	50	50		21.73	21.76	21.65		
20	100	0		21.67	21.69	21.64		
20	1	0	256-QAM	19.40	19.44	19.35	21.06	0.1276
20	1	49		19.37	19.40	19.21		
20	1	99		19.41	19.42	19.25		
20	50	0		19.77	19.81	19.62		
20	50	24		19.77	19.84	19.59		
20	50	50		19.78	19.88	19.67		
20	100	0		19.66	19.67	19.52		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.33	24.55	24.36	25.73	0.3741
15	1	37		24.22	24.24	24.12		
15	1	74		24.35	24.40	24.14		
15	36	0		22.63	22.67	22.58		
15	36	20		22.63	22.74	22.52		
15	36	39		22.71	22.76	22.60		
15	75	0		22.62	22.67	22.49		
15	1	0	16-QAM	23.57	23.67	23.57	24.85	0.3055
15	1	37		23.11	23.15	23.13		
15	1	74		23.39	23.45	23.30		
15	36	0		21.71	21.70	21.56		
15	36	20		21.75	21.81	21.68		
15	36	39		22.65	22.70	22.60		
15	75	0		21.60	21.75	21.54		
15	1	0	64-QAM	22.61	22.59	22.48	23.79	0.2393
15	1	37		22.34	22.31	22.19		
15	1	74		22.38	22.48	22.31		
15	36	0		21.57	21.71	21.51		
15	36	20		21.68	21.73	21.54		
15	36	39		21.64	21.76	21.65		
15	75	0		21.57	21.63	21.55		
15	1	0	256-QAM	19.39	19.42	19.25	21.00	0.1259
15	1	37		19.31	19.36	19.11		
15	1	74		19.41	19.42	19.18		
15	36	0		19.70	19.79	19.56		
15	36	20		19.69	19.81	19.51		
15	36	39		19.78	19.82	19.61		
15	75	0		19.58	19.59	19.48		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.33	24.54	24.27	25.72	0.3733
10	1	25		24.21	24.19	24.12		
10	1	49		24.33	24.35	24.21		
10	25	0		22.66	22.66	22.58		
10	25	12		22.67	22.75	22.55		
10	25	25		22.68	22.73	22.58		
10	50	0		22.60	22.67	22.47		
10	1	0	16-QAM	23.66	23.62	23.48	24.84	0.3048
10	1	25		23.17	23.23	23.08		
10	1	49		23.38	23.42	23.27		
10	25	0		21.69	21.78	21.56		
10	25	12		21.70	21.74	21.67		
10	25	25		22.62	22.66	22.52		
10	50	0		21.68	21.71	21.59		
10	1	0	64-QAM	22.59	22.63	22.53	23.81	0.2404
10	1	25		22.34	22.36	22.20		
10	1	49		22.46	22.45	22.36		
10	25	0		21.63	21.72	21.52		
10	25	12		21.62	21.70	21.51		
10	25	25		21.67	21.67	21.58		
10	50	0		21.58	21.68	21.60		
10	1	0	256-QAM	19.32	19.44	19.35	21.03	0.1268
10	1	25		19.27	19.34	19.11		
10	1	49		19.38	19.42	19.23		
10	25	0		19.69	19.79	19.60		
10	25	12		19.74	19.81	19.49		
10	25	25		19.69	19.85	19.67		
10	50	0		19.59	19.65	19.42		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.38	24.62	24.31	25.80	0.3802
5	1	12		24.13	24.21	24.12		
5	1	24		24.31	24.30	24.24		
5	12	0		22.63	22.72	22.64		
5	12	7		22.66	22.68	22.49		
5	12	13		22.72	22.74	22.57		
5	25	0		22.64	22.68	22.43		
5	1	0	16-QAM	23.56	23.65	23.56	24.83	0.3041
5	1	12		23.17	23.21	23.15		
5	1	24		23.34	23.46	23.23		
5	12	0		21.70	21.75	21.57		
5	12	7		21.73	21.82	21.72		
5	12	13		22.71	22.73	22.56		
5	25	0		21.64	21.77	21.57		
5	1	0	64-QAM	22.61	22.60	22.54	23.79	0.2393
5	1	12		22.30	22.36	22.22		
5	1	24		22.42	22.45	22.36		
5	12	0		21.55	21.68	21.51		
5	12	7		21.61	21.77	21.49		
5	12	13		21.69	21.74	21.56		
5	25	0		21.67	21.60	21.55		
5	1	0	256-QAM	19.34	19.39	19.35	21.02	0.1265
5	1	12		19.37	19.38	19.11		
5	1	24		19.35	19.42	19.20		
5	12	0		19.72	19.72	19.55		
5	12	7		19.67	19.84	19.59		
5	12	13		19.72	19.80	19.64		
5	25	0		19.58	19.57	19.42		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.39	24.54	24.36	25.72	0.3733
3	1	8		24.13	24.27	24.17		
3	1	14		24.36	24.34	24.15		
3	8	0		22.62	22.70	22.67		
3	8	4		22.68	22.75	22.52		
3	8	7		22.64	22.72	22.63		
3	15	0		22.67	22.72	22.51		
3	1	0	16-QAM	23.56	23.68	23.51	24.86	0.3062
3	1	8		23.21	23.15	23.12		
3	1	14		23.33	23.46	23.30		
3	8	0		21.74	21.78	21.58		
3	8	4		21.78	21.77	21.63		
3	8	7		22.72	22.72	22.57		
3	15	0		21.60	21.76	21.58		
3	1	0	64-QAM	22.59	22.58	22.50	23.77	0.2382
3	1	8		22.37	22.29	22.16		
3	1	14		22.40	22.43	22.34		
3	8	0		21.55	21.66	21.52		
3	8	4		21.65	21.74	21.51		
3	8	7		21.70	21.74	21.56		
3	15	0		21.66	21.60	21.57		
3	1	0	256-QAM	19.34	19.42	19.27	21.04	0.1271
3	1	8		19.34	19.40	19.12		
3	1	14		19.37	19.36	19.22		
3	8	0		19.68	19.71	19.58		
3	8	4		19.75	19.77	19.55		
3	8	7		19.68	19.86	19.65		
3	15	0		19.61	19.63	19.44		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.38	24.53	24.26	25.80	0.3802
1.4	1	3		24.20	24.19	24.12		
1.4	1	5		24.28	24.30	24.19		
1.4	3	0		24.40	24.62	24.36		
1.4	3	1		24.18	24.19	24.16		
1.4	3	3		24.36	24.40	24.14		
1.4	6	0		22.65	22.68	22.47		
1.4	1	0	16-QAM	23.60	23.61	23.56	24.86	0.3062
1.4	1	3		23.13	23.14	23.13		
1.4	1	5		23.36	23.46	23.23		
1.4	3	0		23.61	23.68	23.52		
1.4	3	1		23.15	23.14	23.12		
1.4	3	3		23.42	23.50	23.26		
1.4	6	0		21.60	21.74	21.60		
1.4	1	0	64-QAM	22.63	22.64	22.45	23.82	0.2410
1.4	1	3		22.31	22.29	22.18		
1.4	1	5		22.40	22.49	22.31		
1.4	3	0		22.59	22.62	22.50		
1.4	3	1		22.37	22.34	22.22		
1.4	3	3		22.42	22.49	22.36		
1.4	6	0		21.62	21.65	21.55		
1.4	1	0	256-QAM	19.35	19.44	19.29	20.81	0.1205
1.4	1	3		19.33	19.31	19.14		
1.4	1	5		19.35	19.36	19.19		
1.4	3	0		19.36	19.39	19.32		
1.4	3	1		19.28	19.35	19.15		
1.4	3	3		19.39	19.37	19.15		
1.4	6	0		19.56	19.63	19.52		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.88	23.93	23.86	18.75	0.0750
10	1	25		23.87	23.88	23.81		
10	1	49		23.86	23.91	23.82		
10	25	0		22.99	23.11	22.94		
10	25	12		22.98	22.97	22.91		
10	25	25		22.95	23.02	22.93		
10	50	0		22.99	23.00	22.87		
10	1	0	16-QAM	22.56	23.23	23.19	18.07	0.0641
10	1	25		23.16	23.22	23.07		
10	1	49		23.20	23.25	23.15		
10	25	0		21.93	21.97	21.94		
10	25	12		22.02	22.00	21.95		
10	25	25		21.99	21.99	21.94		
10	50	0		22.01	21.94	21.94		
10	1	0	64-QAM	21.99	22.09	21.91	16.91	0.0491
10	1	25		21.52	22.05	21.52		
10	1	49		22.08	21.72	21.93		
10	25	0		20.35	21.00	20.59		
10	25	12		20.52	21.00	20.55		
10	25	25		20.95	21.06	20.73		
10	50	0		20.66	20.96	20.66		
10	1	0	256-QAM	19.34	19.47	19.30	14.72	0.0296
10	1	25		19.32	19.35	19.20		
10	1	49		19.42	19.40	19.21		
10	25	0		19.75	19.84	19.60		
10	25	12		19.76	19.83	19.59		
10	25	25		19.76	19.90	19.64		
10	50	0		19.64	19.70	19.55		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.21	23.86	23.82	18.70	0.0741
5	1	12		23.87	23.81	23.85		
5	1	24		23.87	23.88	23.77		
5	12	0		22.81	22.89	22.85		
5	12	7		23.01	22.95	22.89		
5	12	13		22.91	23.01	22.93		
5	25	0		22.98	22.89	22.88		
5	1	0	16-QAM	22.57	23.18	23.15	18.08	0.0643
5	1	12		23.10	23.20	23.06		
5	1	24		23.16	23.26	23.17		
5	12	0		21.92	21.95	21.94		
5	12	7		22.02	21.93	21.94		
5	12	13		22.01	22.00	21.93		
5	25	0		22.01	21.95	21.89		
5	1	0	64-QAM	21.94	22.09	21.84	16.91	0.0491
5	1	12		21.48	22.06	21.46		
5	1	24		22.02	21.68	21.87		
5	12	0		20.30	21.01	20.61		
5	12	7		20.46	21.00	20.48		
5	12	13		20.97	21.09	20.75		
5	25	0		20.68	20.91	20.59		
5	1	0	256-QAM	19.31	19.44	19.33	14.69	0.0294
5	1	12		19.34	19.38	19.14		
5	1	24		19.35	19.37	19.17		
5	12	0		19.68	19.84	19.59		
5	12	7		19.69	19.85	19.59		
5	12	13		19.79	19.87	19.64		
5	25	0		19.62	19.70	19.48		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.24	23.85	23.85	18.69	0.0740
3	1	8		23.82	23.74	23.80		
3	1	14		23.82	23.87	23.78		
3	8	0		22.76	22.92	22.80		
3	8	4		22.96	22.94	22.89		
3	8	7		22.85	23.00	22.92		
3	15	0		22.96	22.88	22.85		
3	1	0	16-QAM	22.54	23.12	23.15	18.09	0.0644
3	1	8		23.04	23.15	23.05		
3	1	14		23.19	23.27	23.18		
3	8	0		21.93	21.95	21.97		
3	8	4		22.01	21.86	21.97		
3	8	7		22.04	22.02	21.95		
3	15	0		21.97	21.90	21.92		
3	1	0	64-QAM	21.95	22.02	21.87	16.87	0.0486
3	1	8		21.51	22.05	21.46		
3	1	14		21.95	21.61	21.89		
3	8	0		20.30	20.99	20.60		
3	8	4		20.48	21.00	20.50		
3	8	7		20.95	21.05	20.73		
3	15	0		20.61	20.88	20.57		
3	1	0	256-QAM	19.32	19.45	19.30	14.65	0.0292
3	1	8		19.34	19.35	19.12		
3	1	14		19.38	19.30	19.14		
3	8	0		19.64	19.80	19.56		
3	8	4		19.69	19.78	19.62		
3	8	7		19.72	19.83	19.58		
3	15	0		19.59	19.67	19.42		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.61	23.71	23.43	18.61	0.0726
1.4	1	3		23.37	23.36	23.33		
1.4	1	5		23.49	23.46	23.36		
1.4	3	0		23.57	23.79	23.54		
1.4	3	1		23.36	23.35	23.36		
1.4	3	3		23.50	23.61	23.32		
1.4	6	0		22.26	22.21	22.28		
1.4	1	0	16-QAM	22.73	22.75	22.75	17.72	0.0592
1.4	1	3		22.26	22.34	22.33		
1.4	1	5		22.59	22.66	22.45		
1.4	3	0		22.75	22.90	22.69		
1.4	3	1		22.34	22.32	22.30		
1.4	3	3		22.58	22.63	22.43		
1.4	6	0		21.44	21.36	21.35		
1.4	1	0	64-QAM	21.84	21.77	21.58	16.66	0.0463
1.4	1	3		21.49	21.47	21.31		
1.4	1	5		21.63	21.71	21.44		
1.4	3	0		21.77	21.83	21.66		
1.4	3	1		21.52	21.54	21.40		
1.4	3	3		21.58	21.63	21.52		
1.4	6	0		20.77	20.88	20.72		
1.4	1	0	256-QAM	18.58	18.66	18.48	13.65	0.0232
1.4	1	3		18.46	18.45	18.34		
1.4	1	5		18.49	18.53	18.41		
1.4	3	0		18.55	18.61	18.49		
1.4	3	1		18.51	18.56	18.35		
1.4	3	3		18.54	18.58	18.30		
1.4	6	0		18.71	18.83	18.73		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.86	22.64	23.05	22.66	0.1845
20	1	49		22.85	22.55	22.94		
20	1	99		22.67	22.53	22.50		
20	50	0		22.07	21.70	22.19		
20	50	24		22.06	21.68	22.12		
20	50	50		22.01	21.49	21.96		
20	100	0		22.05	21.72	22.07		
20	1	0	16-QAM	21.95	21.67	22.26	21.91	0.1552
20	1	49		22.18	21.97	22.30		
20	1	99		21.96	22.28	21.84		
20	50	0		20.98	20.62	21.17		
20	50	24		21.10	20.73	21.13		
20	50	50		21.00	20.95	21.01		
20	100	0		21.05	20.76	20.06		
20	1	0	64-QAM	20.70	20.34	20.78	21.08	0.1282
20	1	49		20.84	20.52	21.01		
20	1	99		21.26	20.93	21.47		
20	50	0		19.72	19.37	19.80		
20	50	24		19.77	19.48	20.00		
20	50	50		20.01	19.73	20.33		
20	100	0		19.90	19.54	20.09		
20	1	0	256-QAM	17.85	17.60	17.96	18.11	0.0647
20	1	49		17.90	17.61	18.15		
20	1	99		18.16	17.92	18.48		
20	50	0		17.94	17.60	18.01		
20	50	24		17.93	17.71	18.21		
20	50	50		18.22	17.88	18.50		
20	100	0		18.05	17.69	18.27		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.81	22.65	23.02	22.63	0.1832
15	1	37		22.86	22.55	22.94		
15	1	74		22.66	22.50	22.46		
15	36	0		22.00	21.66	22.22		
15	36	20		22.08	21.62	22.06		
15	36	39		21.94	21.42	21.89		
15	75	0		22.01	21.69	22.02		
15	1	0	16-QAM	21.94	21.68	22.26	21.88	0.1542
15	1	37		22.15	21.99	22.26		
15	1	74		21.89	22.27	21.86		
15	36	0		21.00	20.58	21.10		
15	36	20		21.03	20.67	21.16		
15	36	39		21.01	20.95	20.94		
15	75	0		21.01	20.76	20.09		
15	1	0	64-QAM	20.68	20.29	20.76	21.10	0.1288
15	1	37		20.78	20.46	21.03		
15	1	74		21.29	20.92	21.49		
15	36	0		19.75	19.35	19.75		
15	36	20		19.73	19.45	20.00		
15	36	39		20.04	19.75	20.32		
15	75	0		19.85	19.54	20.12		
15	1	0	256-QAM	17.81	17.63	17.89	18.10	0.0646
15	1	37		17.88	17.56	18.13		
15	1	74		18.09	17.94	18.49		
15	36	0		17.88	17.58	18.01		
15	36	20		17.89	17.69	18.24		
15	36	39		18.21	17.90	18.45		
15	75	0		18.05	17.66	18.20		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.77	22.64	23.00	22.61	0.1824
10	1	25		22.85	22.58	22.96		
10	1	49		22.61	22.51	22.49		
10	25	0		21.97	21.66	22.25		
10	25	12		22.08	21.63	22.02		
10	25	25		21.90	21.44	21.91		
10	50	0		22.00	21.65	22.01		
10	1	0	16-QAM	21.96	21.71	22.29	21.90	0.1549
10	1	25		22.17	21.92	22.26		
10	1	49		21.84	22.26	21.86		
10	25	0		20.96	20.60	21.05		
10	25	12		21.06	20.70	21.17		
10	25	25		21.02	20.88	20.96		
10	50	0		21.04	20.78	20.08		
10	1	0	64-QAM	20.70	20.29	20.78	21.06	0.1276
10	1	25		20.71	20.48	21.03		
10	1	49		21.31	20.94	21.45		
10	25	0		19.74	19.30	19.73		
10	25	12		19.75	19.43	20.00		
10	25	25		20.00	19.77	20.26		
10	50	0		19.85	19.50	20.05		
10	1	0	256-QAM	17.80	17.64	17.89	18.04	0.0637
10	1	25		17.86	17.57	18.16		
10	1	49		18.11	17.92	18.43		
10	25	0		17.88	17.56	17.94		
10	25	12		17.82	17.66	18.19		
10	25	25		18.15	17.84	18.38		
10	50	0		18.04	17.66	18.16		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.39 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.78	22.57	22.96	22.57	0.1807
5	1	12		22.88	22.60	22.93		
5	1	24		22.58	22.51	22.44		
5	12	0		21.91	21.66	22.24		
5	12	7		22.10	21.66	21.95		
5	12	13		21.84	21.46	21.87		
5	25	0		21.99	21.63	22.04		
5	1	0	16-QAM	21.95	21.64	22.24	21.90	0.1549
5	1	12		22.20	21.93	22.23		
5	1	24		21.80	22.29	21.80		
5	12	0		20.99	20.63	21.06		
5	12	7		21.03	20.67	21.20		
5	12	13		21.01	20.89	20.97		
5	25	0		21.01	20.75	20.02		
5	1	0	64-QAM	20.68	20.26	20.81	20.99	0.1256
5	1	12		20.64	20.49	21.01		
5	1	24		21.27	20.87	21.38		
5	12	0		19.67	19.23	19.74		
5	12	7		19.71	19.40	19.95		
5	12	13		20.00	19.79	20.25		
5	25	0		19.83	19.53	19.98		
5	1	0	256-QAM	17.77	17.65	17.88	17.99	0.0630
5	1	12		17.89	17.58	18.09		
5	1	24		18.05	17.87	18.38		
5	12	0		17.86	17.51	17.89		
5	12	7		17.76	17.61	18.14		
5	12	13		18.09	17.86	18.35		
5	25	0		18.07	17.64	18.16		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.49	23.63	23.60	21.83	0.1524
10	1	25		23.46	23.62	23.45		
10	1	49		23.43	23.50	23.48		
10	25	0		22.46	22.71	22.58		
10	25	12		22.60	22.59	22.57		
10	25	25		22.65	22.59	22.56		
10	50	0		22.69	22.70	22.54		
10	1	0	16-QAM	22.79	22.86	22.83	21.08	0.1282
10	1	25		22.83	22.76	22.82		
10	1	49		22.86	22.88	22.85		
10	25	0		21.68	21.60	21.60		
10	25	12		21.73	21.54	21.60		
10	25	25		21.61	21.68	21.62		
10	50	0		21.64	21.58	21.53		
10	1	0	64-QAM	21.60	21.63	21.70	20.00	0.1000
10	1	25		21.66	21.77	21.61		
10	1	49		21.80	21.79	21.77		
10	25	0		20.59	20.59	20.61		
10	25	12		20.62	20.64	20.59		
10	25	25		20.69	20.70	20.65		
10	50	0		20.68	20.65	20.58		
10	1	0	256-QAM	18.81	18.72	18.74	17.13	0.0516
10	1	25		18.82	18.83	18.81		
10	1	49		18.83	18.93	18.82		
10	25	0		18.74	18.76	18.76		
10	25	12		18.75	18.82	18.75		
10	25	25		18.82	18.93	18.80		
10	50	0		18.83	18.79	18.76		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.43	23.59	23.61	21.81	0.1517
5	1	12		23.40	23.55	23.48		
5	1	24		23.38	23.46	23.46		
5	12	0		22.44	22.64	22.60		
5	12	7		22.62	22.60	22.57		
5	12	13		22.60	22.57	22.52		
5	25	0		22.65	22.55	22.48		
5	1	0	16-QAM	22.74	22.83	22.80	21.09	0.1285
5	1	12		22.79	22.79	22.85		
5	1	24		22.86	22.89	22.78		
5	12	0		21.63	21.62	21.63		
5	12	7		21.71	21.47	21.63		
5	12	13		21.60	21.70	21.60		
5	25	0		21.65	21.55	21.55		
5	1	0	64-QAM	21.63	21.60	21.69	20.00	0.1000
5	1	12		21.66	21.74	21.57		
5	1	24		21.75	21.80	21.73		
5	12	0		20.61	20.57	20.63		
5	12	7		20.64	20.58	20.54		
5	12	13		20.64	20.72	20.61		
5	25	0		20.61	20.61	20.58		
5	1	0	256-QAM	18.77	18.70	18.76	17.13	0.0516
5	1	12		18.80	18.84	18.82		
5	1	24		18.79	18.91	18.85		
5	12	0		18.73	18.76	18.77		
5	12	7		18.68	18.85	18.73		
5	12	13		18.84	18.93	18.76		
5	25	0		18.83	18.75	18.79		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.42	23.62	23.55	21.82	0.1521
3	1	8		23.33	23.53	23.43		
3	1	14		23.32	23.47	23.46		
3	8	0		22.38	22.64	22.57		
3	8	4		22.63	22.55	22.50		
3	8	7		22.55	22.53	22.50		
3	15	0		22.61	22.58	22.50		
3	1	0	16-QAM	22.73	22.83	22.74	21.05	0.1274
3	1	8		22.81	22.76	22.82		
3	1	14		22.81	22.85	22.81		
3	8	0		21.66	21.59	21.65		
3	8	4		21.66	21.45	21.59		
3	8	7		21.62	21.71	21.58		
3	15	0		21.66	21.53	21.48		
3	1	0	64-QAM	21.64	21.53	21.65	20.01	0.1002
3	1	8		21.65	21.75	21.52		
3	1	14		21.77	21.81	21.68		
3	8	0		20.55	20.59	20.62		
3	8	4		20.59	20.59	20.53		
3	8	7		20.58	20.74	20.64		
3	15	0		20.59	20.57	20.59		
3	1	0	256-QAM	18.75	18.72	18.69	17.13	0.0516
3	1	8		18.73	18.84	18.77		
3	1	14		18.81	18.93	18.80		
3	8	0		18.73	18.71	18.73		
3	8	4		18.62	18.88	18.76		
3	8	7		18.87	18.88	18.69		
3	15	0		18.77	18.72	18.82		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.07	23.19	22.95	21.50	0.1413
1.4	1	3		22.80	22.80	22.77		
1.4	1	5		22.97	22.93	22.84		
1.4	3	0		23.05	23.30	22.97		
1.4	3	1		22.81	22.79	22.89		
1.4	3	3		23.00	23.07	22.76		
1.4	6	0		21.78	21.71	21.72		
1.4	1	0	16-QAM	22.21	22.22	22.25	20.60	0.1148
1.4	1	3		21.77	21.86	21.78		
1.4	1	5		22.09	22.16	21.89		
1.4	3	0		22.23	22.40	22.19		
1.4	3	1		21.80	21.78	21.75		
1.4	3	3		22.06	22.08	21.90		
1.4	6	0		20.93	20.82	20.88		
1.4	1	0	64-QAM	21.27	21.24	21.10	19.49	0.0889
1.4	1	3		20.94	20.96	20.83		
1.4	1	5		21.11	21.22	20.90		
1.4	3	0		21.25	21.29	21.15		
1.4	3	1		21.04	21.00	20.91		
1.4	3	3		21.08	21.06	21.03		
1.4	6	0		20.23	20.38	20.21		
1.4	1	0	256-QAM	18.08	18.12	17.91	16.50	0.0447
1.4	1	3		17.92	17.91	17.78		
1.4	1	5		17.94	18.04	17.91		
1.4	3	0		18.05	18.06	17.94		
1.4	3	1		17.95	18.01	17.79		
1.4	3	3		18.01	18.01	17.83		
1.4	6	0		18.16	18.30	18.24		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.26	-	22.15	0.1641
10	1	25			23.21			
10	1	49			23.16			
10	25	0			22.39			
10	25	12			22.24			
10	25	25			22.35			
10	50	0			22.29			
10	1	0	16-QAM		22.66		21.55	0.1429
10	1	25			22.59			
10	1	49			22.60			
10	25	0			21.32			
10	25	12			21.35			
10	25	25			21.36			
10	50	0			21.29			
10	1	0	64-QAM		21.48		20.37	0.1089
10	1	25			21.47			
10	1	49			21.43			
10	25	0			20.35			
10	25	12			20.35			
10	25	25			20.37			
10	50	0			20.33			
10	1	0	256-QAM		18.55		17.46	0.0557
10	1	25			18.55			
10	1	49			18.57			
10	25	0			18.55			
10	25	12			18.55			
10	25	25			18.57			
10	50	0			18.53			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 1.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.24	23.19	23.21	22.13	0.1633
5	1	12		23.21	23.19	23.22		
5	1	24		23.12	23.17	23.12		
5	12	0		22.39	22.35	22.40		
5	12	7		22.19	22.18	22.21		
5	12	13		22.33	22.34	22.36		
5	25	0		22.29	22.28	22.23		
5	1	0	16-QAM	22.68	22.61	22.61	21.57	0.1435
5	1	12		22.60	22.55	22.57		
5	1	24		22.63	22.60	22.53		
5	12	0		21.33	21.32	21.31		
5	12	7		21.32	21.35	21.35		
5	12	13		21.37	21.33	21.36		
5	25	0		21.24	21.30	21.30		
5	1	0	64-QAM	21.47	21.48	21.45	20.37	0.1089
5	1	12		21.47	21.40	21.46		
5	1	24		21.44	21.37	21.39		
5	12	0		20.36	20.28	20.38		
5	12	7		20.35	20.38	20.36		
5	12	13		20.33	20.30	20.36		
5	25	0		20.32	20.28	20.28		
5	1	0	256-QAM	18.51	18.52	18.51	17.49	0.0561
5	1	12		18.55	18.58	18.48		
5	1	24		18.60	18.50	18.56		
5	12	0		18.54	18.50	18.53		
5	12	7		18.54	18.57	18.57		
5	12	13		18.57	18.58	18.56		
5	25	0		18.47	18.56	18.49		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.49	23.58	23.57	21.78	0.1507
10	1	25		23.49	23.47	23.47		
10	1	49		23.48	23.50	23.49		
10	25	0		22.57	22.71	22.62		
10	25	12		22.65	22.64	22.61		
10	25	25		22.65	22.63	22.59		
10	50	0		22.71	22.72	22.55		
10	1	0	16-QAM	22.86	22.77	22.74	21.12	0.1294
10	1	25		22.79	22.85	22.85		
10	1	49		22.92	22.92	22.89		
10	25	0		21.59	21.55	21.65		
10	25	12		21.69	21.68	21.65		
10	25	25		21.65	21.62	21.60		
10	50	0		21.67	21.56	21.56		
10	1	0	64-QAM	21.71	21.61	21.73	19.98	0.0995
10	1	25		21.74	21.68	21.70		
10	1	49		21.78	21.76	21.71		
10	25	0		20.62	20.62	20.60		
10	25	12		20.77	20.65	20.65		
10	25	25		20.66	20.63	20.63		
10	50	0		20.73	20.62	20.60		
10	1	0	256-QAM	18.78	18.85	18.73	17.19	0.0524
10	1	25		18.99	18.85	18.86		
10	1	49		18.82	18.82	18.82		
10	25	0		18.77	18.77	18.75		
10	25	12		18.97	18.87	18.78		
10	25	25		18.87	18.85	18.78		
10	50	0		18.93	18.78	18.77		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 0.35 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.43	23.44	23.54	21.74	0.1493
5	1	12		23.42	23.46	23.46		
5	1	24		23.49	23.47	23.51		
5	12	0		22.51	22.58	22.61		
5	12	7		22.72	22.59	22.61		
5	12	13		22.59	22.58	22.59		
5	25	0		22.71	22.56	22.58		
5	1	0	16-QAM	22.87	22.71	22.71	21.11	0.1291
5	1	12		22.76	22.84	22.83		
5	1	24		22.91	22.87	22.88		
5	12	0		21.55	21.48	21.65		
5	12	7		21.67	21.66	21.65		
5	12	13		21.58	21.57	21.58		
5	25	0		21.61	21.56	21.59		
5	1	0	64-QAM	21.68	21.64	21.73	19.98	0.0995
5	1	12		21.67	21.68	21.69		
5	1	24		21.74	21.78	21.73		
5	12	0		20.55	20.65	20.54		
5	12	7		20.73	20.60	20.59		
5	12	13		20.63	20.65	20.65		
5	25	0		20.73	20.59	20.60		
5	1	0	256-QAM	18.71	18.80	18.75	17.20	0.0525
5	1	12		18.93	18.83	18.89		
5	1	24		18.81	18.82	18.78		
5	12	0		18.72	18.80	18.77		
5	12	7		19.00	18.80	18.71		
5	12	13		18.89	18.88	18.75		
5	25	0		18.92	18.79	18.79		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.77	23.90	23.68	18.72	0.0745
15	1	37		23.72	23.73	23.66		
15	1	74		23.73	23.48	23.61		
15	36	0		22.90	22.55	22.79		
15	36	20		22.89	22.76	22.84		
15	36	39		22.86	22.82	22.83		
15	75	0		22.90	22.95	22.80		
15	1	0	16-QAM	23.07	23.12	23.07	17.98	0.0628
15	1	37		23.08	23.02	23.03		
15	1	74		23.16	22.87	22.99		
15	36	0		21.79	21.88	21.76		
15	36	20		21.80	22.04	21.85		
15	36	39		21.87	21.71	21.83		
15	75	0		21.82	22.07	21.76		
15	1	0	64-QAM	21.64	22.07	21.94	16.90	0.0490
15	1	37		22.00	22.08	21.54		
15	1	74		21.98	21.61	21.80		
15	36	0		20.62	20.98	20.80		
15	36	20		20.81	21.04	20.73		
15	36	39		20.93	20.85	20.60		
15	75	0		20.82	21.04	20.78		
15	1	0	256-QAM	18.76	19.13	18.96	14.10	0.0257
15	1	37		18.99	19.27	18.86		
15	1	74		19.09	18.99	18.74		
15	36	0		18.97	19.09	18.93		
15	36	20		18.97	19.28	18.86		
15	36	39		19.11	18.96	18.83		
15	75	0		19.02	18.94	18.99		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.71	23.72	23.66	18.64	0.0731
10	1	25		23.50	23.82	23.68		
10	1	49		23.59	23.80	23.64		
10	25	0		22.95	22.69	22.78		
10	25	12		22.82	22.75	22.87		
10	25	25		22.77	22.92	22.83		
10	50	0		22.96	22.83	22.79		
10	1	0	16-QAM	23.08	22.97	23.02	17.96	0.0625
10	1	25		23.10	23.14	22.99		
10	1	49		22.90	23.13	22.92		
10	25	0		21.94	21.66	21.77		
10	25	12		21.83	21.89	21.79		
10	25	25		21.73	21.97	21.80		
10	50	0		21.82	21.68	21.72		
10	1	0	64-QAM	21.94	21.65	21.89	16.77	0.0475
10	1	25		21.84	21.95	21.56		
10	1	49		21.44	21.91	21.82		
10	25	0		20.83	20.60	20.79		
10	25	12		20.81	20.85	20.69		
10	25	25		20.70	20.99	20.60		
10	50	0		20.86	20.91	20.81		
10	1	0	256-QAM	19.16	18.72	18.99	13.99	0.0251
10	1	25		19.08	18.99	18.88		
10	1	49		18.85	19.07	18.67		
10	25	0		19.05	18.85	18.94		
10	25	12		19.01	18.98	18.79		
10	25	25		18.75	19.10	18.80		
10	50	0		19.17	19.10	18.99		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.67	23.72	23.69	18.54	0.0714
5	1	12		23.47	23.66	23.64		
5	1	24		23.63	23.63	23.67		
5	12	0		22.95	22.84	22.77		
5	12	7		22.95	22.65	22.80		
5	12	13		22.81	22.82	22.82		
5	25	0		22.79	22.84	22.73		
5	1	0	16-QAM	23.08	23.03	22.98	17.90	0.0617
5	1	12		23.06	22.98	23.02		
5	1	24		22.88	23.05	22.90		
5	12	0		21.91	21.74	21.71		
5	12	7		21.92	21.85	21.76		
5	12	13		21.78	21.91	21.75		
5	25	0		21.87	21.74	21.66		
5	1	0	64-QAM	21.83	21.60	21.84	16.79	0.0478
5	1	12		21.97	21.84	21.58		
5	1	24		21.34	21.95	21.82		
5	12	0		20.94	20.57	20.77		
5	12	7		20.69	20.70	20.68		
5	12	13		20.62	20.87	20.53		
5	25	0		20.78	20.73	20.81		
5	1	0	256-QAM	19.19	18.72	19.01	14.01	0.0252
5	1	12		19.02	18.89	18.85		
5	1	24		18.86	19.19	18.67		
5	12	0		18.99	18.83	18.96		
5	12	7		18.99	18.92	18.77		
5	12	13		18.74	19.03	18.81		
5	25	0		19.06	19.01	19.01		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.59	23.73	23.72	18.55	0.0716
3	1	8		23.44	23.56	23.64		
3	1	14		23.56	23.69	23.68		
3	8	0		22.84	22.61	22.75		
3	8	4		22.97	22.70	22.78		
3	8	7		22.77	22.65	22.77		
3	15	0		22.95	22.77	22.69		
3	1	0	16-QAM	23.23	23.13	22.92	18.05	0.0638
3	1	8		23.06	23.03	23.02		
3	1	14		22.90	23.09	22.92		
3	8	0		21.83	21.70	21.66		
3	8	4		21.85	21.82	21.71		
3	8	7		21.61	21.78	21.72		
3	15	0		21.85	21.78	21.59		
3	1	0	64-QAM	21.93	21.53	21.85	16.75	0.0473
3	1	8		21.73	21.88	21.56		
3	1	14		21.33	21.90	21.79		
3	8	0		20.81	20.53	20.80		
3	8	4		20.65	20.75	20.63		
3	8	7		20.65	20.89	20.55		
3	15	0		20.81	20.72	20.79		
3	1	0	256-QAM	19.17	18.60	18.97	13.99	0.0251
3	1	8		19.05	18.97	18.85		
3	1	14		18.81	19.14	18.63		
3	8	0		18.87	18.74	18.92		
3	8	4		19.11	18.88	18.79		
3	8	7		18.75	18.96	18.74		
3	15	0		19.06	19.09	19.03		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.03 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.66	23.68	23.30	18.67	0.0736
1.4	1	3		23.13	23.64	23.32		
1.4	1	5		23.30	23.85	23.36		
1.4	3	0		23.48	23.67	23.45		
1.4	3	1		23.29	23.65	23.26		
1.4	3	3		23.48	23.72	23.29		
1.4	6	0		22.59	22.73	22.43		
1.4	1	0	16-QAM	22.74	22.94	22.51	17.76	0.0597
1.4	1	3		22.86	22.81	22.46		
1.4	1	5		22.61	22.93	22.34		
1.4	3	0		22.78	22.73	22.29		
1.4	3	1		22.51	22.52	22.28		
1.4	3	3		22.49	22.50	22.26		
1.4	6	0		21.76	21.90	21.26		
1.4	1	0	64-QAM	21.79	22.03	21.25	16.85	0.0484
1.4	1	3		21.71	21.98	21.25		
1.4	1	5		21.95	21.94	21.31		
1.4	3	0		21.79	22.00	21.33		
1.4	3	1		21.81	21.84	21.35		
1.4	3	3		21.85	21.96	21.36		
1.4	6	0		20.71	20.77	20.70		
1.4	1	0	256-QAM	18.82	18.86	18.33	13.79	0.0239
1.4	1	3		18.62	18.88	18.24		
1.4	1	5		18.88	18.85	18.29		
1.4	3	0		18.65	18.66	18.31		
1.4	3	1		18.97	18.91	18.33		
1.4	3	3		18.70	18.81	18.27		
1.4	6	0		18.88	18.94	18.66		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 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	23.10	23.24	23.20	23.14	0.2061
20	1	49		23.10	23.13	23.23		
20	1	99		23.16	23.20	23.23		
20	50	0		22.13	22.28	22.22		
20	50	24		22.25	22.19	22.25		
20	50	50		22.22	22.26	22.22		
20	100	0		22.21	22.24	22.23		
20	1	0	16-QAM	22.25	22.28	22.33	22.28	0.1690
20	1	49		22.25	22.25	22.32		
20	1	99		22.30	22.35	22.38		
20	50	0		21.13	21.18	21.24		
20	50	24		21.25	21.22	21.26		
20	50	50		21.23	21.29	21.35		
20	100	0		21.23	21.27	21.27		
20	1	0	64-QAM	20.90	20.93	21.00	21.00	0.1259
20	1	49		20.94	21.00	21.05		
20	1	99		20.97	21.04	21.10		
20	50	0		20.17	20.19	20.26		
20	50	24		20.28	20.23	20.28		
20	50	50		20.27	20.29	20.36		
20	100	0		20.24	20.28	20.27		
20	1	0	256-QAM	18.79	18.96	18.99	19.12	0.0817
20	1	49		18.82	18.92	18.87		
20	1	99		18.81	18.95	18.88		
20	50	0		19.03	19.11	19.12		
20	50	24		19.03	19.12	19.13		
20	50	50		19.12	19.13	19.22		
20	100	0		18.93	19.10	19.15		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 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	22.99	23.00	23.04	23.00	0.1995
15	1	37		22.92	23.06	23.10		
15	1	74		23.08	23.09	23.09		
15	36	0		21.93	22.12	22.22		
15	36	20		22.08	22.09	22.09		
15	36	39		22.11	22.25	22.27		
15	75	0		22.05	22.12	22.12		
15	1	0	16-QAM	22.08	22.27	22.18	22.20	0.1660
15	1	37		22.20	22.23	22.20		
15	1	74		22.13	22.20	22.30		
15	36	0		21.13	21.05	21.20		
15	36	20		21.24	21.09	21.19		
15	36	39		21.07	21.29	21.22		
15	75	0		21.17	21.18	21.18		
15	1	0	64-QAM	20.73	20.83	20.88	20.85	0.1216
15	1	37		20.79	20.92	20.87		
15	1	74		20.91	20.86	20.95		
15	36	0		20.01	20.16	20.12		
15	36	20		20.12	20.19	20.18		
15	36	39		20.27	20.27	20.34		
15	75	0		20.24	20.09	20.08		
15	1	0	256-QAM	18.70	18.85	18.80	19.01	0.0796
15	1	37		18.75	18.74	18.68		
15	1	74		18.77	18.89	18.78		
15	36	0		18.92	19.11	18.93		
15	36	20		18.94	19.05	18.96		
15	36	39		18.92	19.02	19.04		
15	75	0		18.78	19.08	19.11		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 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	23.09	22.90	23.09	23.10	0.2042
10	1	25		22.92	23.04	23.20		
10	1	49		22.96	23.10	23.14		
10	25	0		22.03	21.99	22.16		
10	25	12		22.08	22.19	22.19		
10	25	25		22.11	22.07	22.15		
10	50	0		22.15	22.07	22.12		
10	1	0	16-QAM	22.11	22.24	22.16	22.22	0.1667
10	1	25		22.13	22.11	22.27		
10	1	49		22.28	22.28	22.32		
10	25	0		21.11	21.17	21.04		
10	25	12		21.24	21.19	21.24		
10	25	25		21.10	21.11	21.15		
10	50	0		21.20	21.14	21.12		
10	1	0	64-QAM	20.90	20.84	20.99	20.93	0.1239
10	1	25		20.90	20.98	21.03		
10	1	49		20.96	20.86	20.98		
10	25	0		20.06	20.12	20.17		
10	25	12		20.08	20.21	20.11		
10	25	25		20.26	20.11	20.27		
10	50	0		20.12	20.28	20.12		
10	1	0	256-QAM	18.60	18.81	18.95	19.03	0.0800
10	1	25		18.66	18.75	18.86		
10	1	49		18.63	18.77	18.82		
10	25	0		18.95	19.05	19.05		
10	25	12		18.95	19.10	19.13		
10	25	25		19.12	19.04	19.05		
10	50	0		18.75	18.92	19.11		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 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	23.04	22.97	23.00	23.10	0.2042
5	1	12		23.10	22.98	23.20		
5	1	24		23.15	23.17	23.14		
5	12	0		21.99	22.05	22.03		
5	12	7		22.07	22.06	22.05		
5	12	13		22.15	22.07	22.13		
5	25	0		22.09	22.06	22.23		
5	1	0	16-QAM	22.17	22.14	22.33	22.23	0.1671
5	1	12		22.08	22.09	22.26		
5	1	24		22.24	22.26	22.30		
5	12	0		21.00	21.12	21.11		
5	12	7		21.07	21.19	21.23		
5	12	13		21.09	21.13	21.19		
5	25	0		21.23	21.19	21.23		
5	1	0	64-QAM	20.83	20.84	20.86	20.92	0.1236
5	1	12		20.79	20.85	21.00		
5	1	24		20.94	20.97	21.02		
5	12	0		20.12	20.17	20.10		
5	12	7		20.17	20.08	20.24		
5	12	13		20.17	20.19	20.33		
5	25	0		20.10	20.13	20.25		
5	1	0	256-QAM	18.62	18.94	18.83	19.03	0.0800
5	1	12		18.75	18.85	18.80		
5	1	24		18.76	18.83	18.87		
5	12	0		18.97	18.92	19.04		
5	12	7		18.94	19.01	19.00		
5	12	13		18.94	19.13	19.12		
5	25	0		18.84	19.07	19.00		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 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	23.11	23.14	23.32	23.22	0.2099
20	1	49		23.08	23.07	23.24		
20	1	99		23.09	23.16	23.31		
20	50	0		22.00	22.20	22.40		
20	50	24		22.06	22.28	22.44		
20	50	50		22.03	22.29	22.43		
20	100	0		22.07	22.26	22.44		
20	1	0	16-QAM	22.04	22.29	22.47	22.37	0.1726
20	1	49		22.01	22.19	22.33		
20	1	99		22.04	22.31	22.40		
20	50	0		21.01	21.22	21.41		
20	50	24		21.09	21.31	21.48		
20	50	50		21.07	21.29	21.45		
20	100	0		21.10	21.29	21.47		
20	1	0	64-QAM	21.04	21.29	21.14	21.26	0.1337
20	1	49		21.02	21.24	21.05		
20	1	99		21.06	21.36	21.13		
20	50	0		20.05	20.24	20.42		
20	50	24		20.12	20.32	20.48		
20	50	50		20.07	20.32	20.47		
20	100	0		20.13	20.29	20.48		
20	1	0	256-QAM	18.89	18.92	18.92	19.17	0.0826
20	1	49		18.53	18.75	18.79		
20	1	99		18.71	18.87	18.89		
20	50	0		18.94	19.09	19.12		
20	50	24		19.06	19.15	19.26		
20	50	50		18.95	19.08	19.27		
20	100	0		19.01	19.09	19.27		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 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	23.17	23.07	23.31	23.21	0.2094
15	1	37		23.03	23.05	23.21		
15	1	74		23.01	23.10	23.30		
15	36	0		22.09	22.17	22.49		
15	36	20		22.08	22.20	22.52		
15	36	39		22.02	22.23	22.50		
15	75	0		22.07	22.33	22.36		
15	1	0	16-QAM	22.00	22.38	22.40	22.30	0.1698
15	1	37		22.07	22.25	22.38		
15	1	74		22.08	22.27	22.36		
15	36	0		21.00	21.17	21.47		
15	36	20		21.14	21.25	21.54		
15	36	39		21.13	21.32	21.46		
15	75	0		21.06	21.33	21.54		
15	1	0	64-QAM	21.06	21.26	21.21	21.24	0.1330
15	1	37		21.07	21.22	21.11		
15	1	74		21.04	21.34	21.09		
15	36	0		20.14	20.16	20.46		
15	36	20		20.14	20.36	20.40		
15	36	39		20.01	20.38	20.51		
15	75	0		20.07	20.28	20.57		
15	1	0	256-QAM	18.95	18.86	18.94	19.25	0.0841
15	1	37		18.62	18.79	18.88		
15	1	74		18.72	18.89	18.90		
15	36	0		18.95	19.02	19.05		
15	36	20		18.96	19.13	19.34		
15	36	39		19.05	19.14	19.35		
15	75	0		19.02	19.12	19.28		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 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	23.09	23.09	23.37	23.27	0.2123
10	1	25		23.12	23.09	23.19		
10	1	49		23.14	23.18	23.31		
10	25	0		22.01	22.24	22.34		
10	25	12		22.05	22.38	22.51		
10	25	25		22.11	22.20	22.46		
10	50	0		22.14	22.27	22.40		
10	1	0	16-QAM	22.12	22.26	22.37	22.27	0.1687
10	1	25		22.00	22.15	22.23		
10	1	49		22.06	22.27	22.36		
10	25	0		21.05	21.30	21.34		
10	25	12		21.17	21.39	21.48		
10	25	25		21.13	21.22	21.51		
10	50	0		21.14	21.34	21.38		
10	1	0	64-QAM	21.04	21.25	21.22	21.22	0.1324
10	1	25		21.06	21.22	21.00		
10	1	49		21.05	21.32	21.17		
10	25	0		20.03	20.27	20.45		
10	25	12		20.16	20.34	20.47		
10	25	25		20.09	20.25	20.49		
10	50	0		20.19	20.29	20.54		
10	1	0	256-QAM	18.90	19.01	19.02	19.18	0.0828
10	1	25		18.62	18.65	18.80		
10	1	49		18.63	18.88	18.93		
10	25	0		19.04	19.11	19.20		
10	25	12		19.10	19.08	19.18		
10	25	25		19.03	19.08	19.28		
10	50	0		19.09	19.03	19.19		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 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	23.13	23.04	23.39	23.29	0.2133
5	1	12		23.00	23.07	23.16		
5	1	24		23.18	23.09	23.26		
5	12	0		22.10	22.17	22.37		
5	12	7		22.12	22.32	22.45		
5	12	13		22.10	22.31	22.51		
5	25	0		22.03	22.16	22.35		
5	1	0	16-QAM	22.02	22.30	22.41	22.38	0.1730
5	1	12		22.06	22.16	22.27		
5	1	24		22.08	22.38	22.48		
5	12	0		21.09	21.30	21.44		
5	12	7		21.15	21.21	21.42		
5	12	13		21.00	21.31	21.40		
5	25	0		21.06	21.24	21.57		
5	1	0	64-QAM	21.04	21.38	21.08	21.30	0.1349
5	1	12		21.00	21.33	21.15		
5	1	24		21.09	21.40	21.05		
5	12	0		20.01	20.29	20.34		
5	12	7		20.20	20.24	20.43		
5	12	13		20.17	20.38	20.37		
5	25	0		20.14	20.35	20.42		
5	1	0	256-QAM	18.97	18.84	19.02	19.25	0.0841
5	1	12		18.63	18.72	18.79		
5	1	24		18.73	18.79	18.89		
5	12	0		18.99	19.16	19.11		
5	12	7		18.99	19.20	19.26		
5	12	13		18.85	19.10	19.28		
5	25	0		19.11	19.11	19.35		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) 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	25.10	25.05	25.22	25.12	0.3251
20	1	49		25.09	25.07	25.16		
20	1	99		25.13	25.09	25.22		
20	50	0		24.29	24.19	24.41		
20	50	24		24.05	24.28	24.44		
20	50	50		24.01	24.27	24.46		
20	100	0		24.04	24.26	24.41		
20	1	0	16-QAM	24.22	24.50	24.74	24.64	0.2911
20	1	49		24.17	24.40	24.59		
20	1	99		24.22	24.55	24.72		
20	50	0		23.09	23.23	23.43		
20	50	24		23.06	23.30	23.49		
20	50	50		23.04	23.33	23.47		
20	100	0		23.09	23.31	23.52		
20	1	0	64-QAM	23.04	23.25	23.58	23.52	0.2249
20	1	49		23.02	23.25	23.53		
20	1	99		23.09	23.37	23.62		
20	50	0		22.08	22.22	22.44		
20	50	24		22.08	22.30	22.50		
20	50	50		22.05	22.28	22.47		
20	100	0		22.11	22.31	22.52		
20	1	0	256-QAM	21.19	21.06	21.34	21.28	0.1343
20	1	49		20.92	20.93	21.21		
20	1	99		20.99	20.92	21.08		
20	50	0		21.19	21.05	21.26		
20	50	24		21.13	21.12	21.38		
20	50	50		21.10	21.07	21.17		
20	100	0		21.22	21.08	21.19		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) 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	25.19	25.05	25.18	25.09	0.3228
15	1	37		25.03	25.08	25.08		
15	1	74		25.12	24.99	25.16		
15	36	0		24.36	24.09	24.42		
15	36	20		24.08	24.28	24.36		
15	36	39		24.09	24.33	24.41		
15	75	0		24.00	24.17	24.41		
15	1	0	16-QAM	24.17	24.51	24.72	24.62	0.2897
15	1	37		24.17	24.33	24.57		
15	1	74		24.22	24.64	24.70		
15	36	0		23.06	23.27	23.45		
15	36	20		23.08	23.23	23.43		
15	36	39		23.14	23.29	23.52		
15	75	0		23.18	23.28	23.43		
15	1	0	64-QAM	23.00	23.34	23.49	23.58	0.2280
15	1	37		23.04	23.22	23.48		
15	1	74		23.15	23.47	23.68		
15	36	0		22.18	22.15	22.35		
15	36	20		22.12	22.29	22.57		
15	36	39		22.07	22.35	22.49		
15	75	0		22.09	22.37	22.47		
15	1	0	256-QAM	21.26	21.09	21.43	21.34	0.1361
15	1	37		20.99	20.98	21.14		
15	1	74		21.05	21.00	20.99		
15	36	0		21.26	21.11	21.28		
15	36	20		21.10	21.08	21.44		
15	36	39		21.10	21.10	21.16		
15	75	0		21.32	21.12	21.18		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) 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	25.04	25.02	25.05	25.13	0.3258
10	1	25		25.15	25.10	25.23		
10	1	49		25.07	25.00	25.17		
10	25	0		24.39	24.28	24.45		
10	25	12		24.10	24.22	24.35		
10	25	25		24.07	24.36	24.55		
10	50	0		24.14	24.28	24.45		
10	1	0	16-QAM	24.31	24.41	24.71	24.61	0.2891
10	1	25		24.07	24.38	24.49		
10	1	49		24.25	24.47	24.70		
10	25	0		23.03	23.22	23.40		
10	25	12		23.09	23.40	23.39		
10	25	25		23.00	23.25	23.37		
10	50	0		23.02	23.33	23.60		
10	1	0	64-QAM	23.05	23.24	23.57	23.50	0.2239
10	1	25		23.00	23.17	23.60		
10	1	49		23.00	23.37	23.55		
10	25	0		22.18	22.22	22.43		
10	25	12		22.15	22.31	22.52		
10	25	25		22.02	22.36	22.55		
10	50	0		22.06	22.36	22.59		
10	1	0	256-QAM	21.13	21.15	21.42	21.34	0.1361
10	1	25		20.98	20.94	21.27		
10	1	49		20.94	20.91	21.02		
10	25	0		21.27	21.13	21.26		
10	25	12		21.16	21.13	21.44		
10	25	25		21.19	20.97	21.26		
10	50	0		21.18	20.99	21.11		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) 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	25.00	25.07	25.11	25.09	0.3228
5	1	12		25.12	25.03	25.19		
5	1	24		25.09	25.14	25.14		
5	12	0		24.19	24.13	24.47		
5	12	7		24.13	24.23	24.41		
5	12	13		24.04	24.20	24.40		
5	25	0		24.14	24.25	24.51		
5	1	0	16-QAM	24.29	24.41	24.72	24.62	0.2897
5	1	12		24.16	24.47	24.53		
5	1	24		24.19	24.51	24.71		
5	12	0		23.07	23.32	23.50		
5	12	7		23.11	23.21	23.41		
5	12	13		23.08	23.30	23.38		
5	25	0		23.17	23.36	23.47		
5	1	0	64-QAM	23.08	23.19	23.50	23.59	0.2286
5	1	12		23.09	23.30	23.58		
5	1	24		23.13	23.38	23.69		
5	12	0		22.15	22.22	22.34		
5	12	7		22.17	22.20	22.50		
5	12	13		22.03	22.23	22.44		
5	25	0		22.14	22.23	22.60		
5	1	0	256-QAM	21.26	20.96	21.28	21.37	0.1371
5	1	12		20.89	20.95	21.27		
5	1	24		21.08	20.85	21.16		
5	12	0		21.13	21.01	21.31		
5	12	7		21.03	21.18	21.47		
5	12	13		21.05	21.16	21.20		
5	25	0		21.29	21.12	21.14		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.72	24.73	24.71	25.91	0.3899
20	1	49		24.65	24.60	24.59		
20	1	99		24.66	24.65	24.63		
20	50	0		22.70	22.80	22.75		
20	50	24		22.72	22.77	22.77		
20	50	50		22.73	22.78	22.76		
20	100	0		22.64	22.65	22.62		
20	1	0	16-QAM	22.94	23.03	22.95	24.58	0.2871
20	1	49		23.17	23.33	23.25		
20	1	99		23.33	23.40	23.33		
20	50	0		21.68	21.78	21.63		
20	50	24		21.56	21.73	21.60		
20	50	50		21.54	21.68	21.54		
20	100	0		21.49	21.62	21.55		
20	1	0	64-QAM	21.52	21.65	21.49	22.84	0.1923
20	1	49		21.52	21.61	21.55		
20	1	99		21.40	21.54	21.40		
20	50	0		21.38	21.50	21.32		
20	50	24		21.37	21.46	21.38		
20	50	50		21.35	21.49	21.34		
20	100	0		21.62	21.66	21.65		
20	1	0	256-QAM	19.51	19.62	19.49	20.95	0.1245
20	1	49		19.50	19.70	19.53		
20	1	99		19.66	19.71	19.62		
20	50	0		19.47	19.62	19.46		
20	50	24		19.61	19.66	19.62		
20	50	50		19.72	19.77	19.73		
20	100	0		19.59	19.71	19.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.65	24.72	24.71	25.90	0.3890
15	1	37		24.63	24.53	24.56		
15	1	74		24.60	24.61	24.59		
15	36	0		22.67	22.64	22.71		
15	36	20		22.66	22.73	22.71		
15	36	39		22.72	22.78	22.74		
15	75	0		22.56	22.56	22.60		
15	1	0	16-QAM	22.90	23.02	22.85	24.50	0.2818
15	1	37		23.14	23.24	23.22		
15	1	74		23.28	23.32	23.27		
15	36	0		21.65	21.71	21.62		
15	36	20		21.50	21.64	21.55		
15	36	39		21.52	21.68	21.48		
15	75	0		21.44	21.58	21.52		
15	1	0	64-QAM	21.52	21.59	21.41	22.83	0.1919
15	1	37		21.42	21.53	21.48		
15	1	74		21.40	21.47	21.36		
15	36	0		21.37	21.47	21.32		
15	36	20		21.35	21.40	21.32		
15	36	39		21.31	21.42	21.26		
15	75	0		21.59	21.65	21.64		
15	1	0	256-QAM	19.46	19.56	19.44	20.89	0.1227
15	1	37		19.45	19.62	19.43		
15	1	74		19.64	19.67	19.59		
15	36	0		19.45	19.53	19.39		
15	36	20		19.54	19.63	19.61		
15	36	39		19.65	19.71	19.67		
15	75	0		19.56	19.67	19.50		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.72	24.69	24.71	25.90	0.3890
10	1	25		24.65	24.60	24.59		
10	1	49		24.66	24.65	24.63		
10	25	0		22.70	22.74	22.75		
10	25	12		22.72	22.77	22.80		
10	25	25		22.73	22.78	22.76		
10	50	0		22.64	22.65	22.62		
10	1	0	16-QAM	22.94	23.03	22.95	24.58	0.2871
10	1	25		23.17	23.33	23.25		
10	1	49		23.33	23.40	23.33		
10	25	0		21.68	21.78	21.63		
10	25	12		21.56	21.73	21.60		
10	25	25		21.54	21.68	21.54		
10	50	0		21.49	21.62	21.55		
10	1	0	64-QAM	21.52	21.65	21.49	22.84	0.1923
10	1	25		21.52	21.61	21.55		
10	1	49		21.40	21.54	21.40		
10	25	0		21.38	21.50	21.32		
10	25	12		21.37	21.46	21.38		
10	25	25		21.35	21.49	21.34		
10	50	0		21.62	21.66	21.65		
10	1	0	256-QAM	19.51	19.62	19.49	20.95	0.1245
10	1	25		19.50	19.70	19.53		
10	1	49		19.66	19.71	19.62		
10	25	0		19.47	19.62	19.46		
10	25	12		19.61	19.66	19.62		
10	25	25		19.72	19.77	19.73		
10	50	0		19.59	19.71	19.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.68	24.69	24.70	25.88	0.3873
5	1	12		24.63	24.54	24.53		
5	1	24		24.60	24.61	24.62		
5	12	0		22.66	22.70	22.74		
5	12	7		22.70	22.76	22.80		
5	12	13		22.70	22.69	22.72		
5	25	0		22.62	22.59	22.56		
5	1	0	16-QAM	22.85	22.94	22.92	24.53	0.2838
5	1	12		23.13	23.29	23.18		
5	1	24		23.25	23.35	23.29		
5	12	0		21.65	21.78	21.56		
5	12	7		21.47	21.70	21.53		
5	12	13		21.46	21.63	21.50		
5	25	0		21.49	21.59	21.51		
5	1	0	64-QAM	21.42	21.62	21.46	22.82	0.1914
5	1	12		21.49	21.57	21.55		
5	1	24		21.40	21.50	21.40		
5	12	0		21.28	21.41	21.27		
5	12	7		21.33	21.45	21.28		
5	12	13		21.25	21.41	21.28		
5	25	0		21.59	21.64	21.55		
5	1	0	256-QAM	19.46	19.62	19.48	20.90	0.1230
5	1	12		19.43	19.67	19.43		
5	1	24		19.60	19.66	19.54		
5	12	0		19.42	19.59	19.36		
5	12	7		19.60	19.56	19.53		
5	12	13		19.65	19.72	19.70		
5	25	0		19.57	19.62	19.46		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.60	24.67	24.64	25.85	0.3846
3	1	8		24.53	24.54	24.50		
3	1	14		24.54	24.55	24.54		
3	8	0		22.60	22.69	22.65		
3	8	4		22.67	22.72	22.77		
3	8	7		22.66	22.65	22.63		
3	15	0		22.53	22.56	22.50		
3	1	0	16-QAM	22.85	22.84	22.84	24.48	0.2805
3	1	8		23.07	23.28	23.14		
3	1	14		23.15	23.30	23.22		
3	8	0		21.60	21.69	21.55		
3	8	4		21.40	21.60	21.46		
3	8	7		21.40	21.57	21.47		
3	15	0		21.48	21.55	21.45		
3	1	0	64-QAM	21.34	21.60	21.40	22.78	0.1897
3	1	8		21.42	21.53	21.46		
3	1	14		21.35	21.47	21.36		
3	8	0		21.21	21.41	21.17		
3	8	4		21.23	21.39	21.20		
3	8	7		21.22	21.39	21.23		
3	15	0		21.56	21.57	21.53		
3	1	0	256-QAM	19.40	19.56	19.44	20.87	0.1222
3	1	8		19.37	19.60	19.42		
3	1	14		19.57	19.58	19.53		
3	8	0		19.37	19.55	19.29		
3	8	4		19.58	19.52	19.44		
3	8	7		19.63	19.64	19.69		
3	15	0		19.55	19.56	19.39		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	24.63	24.65	24.63	25.85	0.3846
1.4	1	3		24.60	24.49	24.51		
1.4	1	5		24.56	24.56	24.56		
1.4	3	0		24.67	24.59	24.66		
1.4	3	1		24.63	24.47	24.46		
1.4	3	3		24.57	24.53	24.60		
1.4	6	0		22.59	22.49	22.52		
1.4	1	0	16-QAM	22.77	22.90	22.87	24.52	0.2831
1.4	1	3		23.11	23.23	23.09		
1.4	1	5		23.20	23.30	23.25		
1.4	3	0		22.78	22.87	22.83		
1.4	3	1		23.12	23.29	23.11		
1.4	3	3		23.17	23.34	23.24		
1.4	6	0		21.44	21.59	21.45		
1.4	1	0	64-QAM	21.40	21.58	21.38	22.77	0.1892
1.4	1	3		21.43	21.56	21.45		
1.4	1	5		21.38	21.50	21.34		
1.4	3	0		21.39	21.59	21.38		
1.4	3	1		21.39	21.50	21.49		
1.4	3	3		21.37	21.45	21.37		
1.4	6	0		21.58	21.56	21.50		
1.4	1	0	256-QAM	19.36	19.57	19.43	20.85	0.1216
1.4	1	3		19.38	19.67	19.33		
1.4	1	5		19.54	19.64	19.45		
1.4	3	0		19.37	19.53	19.39		
1.4	3	1		19.41	19.58	19.40		
1.4	3	3		19.58	19.58	19.53		
1.4	6	0		19.56	19.56	19.38		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.30	23.31	23.30	18.16	0.0655
20	1	49		23.28	23.23	23.25		
20	1	99		23.29	23.27	23.29		
20	50	0		22.40	22.43	22.42		
20	50	24		22.37	22.30	22.32		
20	50	50		22.33	22.36	22.40		
20	100	0		22.31	22.35	22.30		
20	1	0	16-QAM	22.65	22.51	22.63	17.53	0.0566
20	1	49		22.58	22.54	22.59		
20	1	99		22.65	22.66	22.68		
20	50	0		21.34	21.29	21.30		
20	50	24		21.40	21.29	21.34		
20	50	50		21.40	21.33	21.37		
20	100	0		21.40	21.31	21.35		
20	1	0	64-QAM	21.50	21.34	21.44	16.42	0.0439
20	1	49		21.47	21.44	21.54		
20	1	99		21.57	21.48	21.51		
20	50	0		20.35	20.30	20.35		
20	50	24		20.42	20.34	20.35		
20	50	50		20.45	20.34	20.38		
20	100	0		20.43	20.31	20.38		
20	1	0	256-QAM	18.43	18.50	18.54	13.51	0.0224
20	1	49		18.62	18.50	18.47		
20	1	99		18.63	18.51	18.54		
20	50	0		18.48	18.50	18.54		
20	50	24		18.61	18.54	18.53		
20	50	50		18.66	18.50	18.55		
20	100	0		18.57	18.45	18.57		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.24	23.26	23.22	18.15	0.0653
15	1	37		23.27	23.21	23.25		
15	1	74		23.30	23.25	23.24		
15	36	0		22.40	22.46	22.42		
15	36	20		22.39	22.28	22.27		
15	36	39		22.31	22.39	22.43		
15	75	0		22.28	22.28	22.31		
15	1	0	16-QAM	22.59	22.52	22.59	17.54	0.0568
15	1	37		22.52	22.49	22.60		
15	1	74		22.60	22.68	22.69		
15	36	0		21.28	21.27	21.28		
15	36	20		21.35	21.24	21.27		
15	36	39		21.41	21.31	21.34		
15	75	0		21.43	21.27	21.38		
15	1	0	64-QAM	21.46	21.37	21.39	16.35	0.0432
15	1	37		21.50	21.47	21.49		
15	1	74		21.50	21.43	21.46		
15	36	0		20.32	20.25	20.32		
15	36	20		20.44	20.32	20.32		
15	36	39		20.40	20.27	20.34		
15	75	0		20.43	20.30	20.38		
15	1	0	256-QAM	18.36	18.47	18.52	13.48	0.0223
15	1	37		18.60	18.51	18.44		
15	1	74		18.60	18.53	18.47		
15	36	0		18.48	18.51	18.49		
15	36	20		18.56	18.51	18.55		
15	36	39		18.63	18.52	18.53		
15	75	0		18.55	18.40	18.55		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 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	23.25	23.22	23.21	18.14	0.0652
10	1	25		23.20	23.17	23.18		
10	1	49		23.19	23.22	23.29		
10	25	0		22.38	22.48	22.35		
10	25	12		22.34	22.31	22.23		
10	25	25		22.27	22.42	22.41		
10	50	0		22.21	22.31	22.28		
10	1	0	16-QAM	22.55	22.47	22.53	17.52	0.0565
10	1	25		22.50	22.42	22.53		
10	1	49		22.60	22.67	22.62		
10	25	0		21.28	21.22	21.22		
10	25	12		21.32	21.21	21.23		
10	25	25		21.39	21.30	21.28		
10	50	0		21.36	21.29	21.40		
10	1	0	64-QAM	21.43	21.39	21.41	16.34	0.0431
10	1	25		21.43	21.42	21.43		
10	1	49		21.49	21.38	21.44		
10	25	0		20.32	20.20	20.31		
10	25	12		20.45	20.35	20.29		
10	25	25		20.36	20.23	20.36		
10	50	0		20.39	20.30	20.39		
10	1	0	256-QAM	18.37	18.43	18.48	13.45	0.0221
10	1	25		18.59	18.51	18.46		
10	1	49		18.59	18.52	18.40		
10	25	0		18.46	18.44	18.46		
10	25	12		18.50	18.44	18.56		
10	25	25		18.60	18.54	18.51		
10	50	0		18.48	18.34	18.54		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 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	23.27	23.17	23.21	18.15	0.0653
5	1	12		23.13	23.14	23.17		
5	1	24		23.12	23.25	23.30		
5	12	0		22.41	22.48	22.37		
5	12	7		22.30	22.29	22.16		
5	12	13		22.24	22.42	22.42		
5	25	0		22.23	22.24	22.21		
5	1	0	16-QAM	22.53	22.40	22.50	17.47	0.0558
5	1	12		22.52	22.44	22.48		
5	1	24		22.62	22.60	22.62		
5	12	0		21.31	21.20	21.19		
5	12	7		21.28	21.19	21.19		
5	12	13		21.37	21.23	21.21		
5	25	0		21.31	21.28	21.33		
5	1	0	64-QAM	21.46	21.35	21.39	16.31	0.0428
5	1	12		21.46	21.38	21.46		
5	1	24		21.44	21.36	21.42		
5	12	0		20.32	20.16	20.32		
5	12	7		20.40	20.30	20.30		
5	12	13		20.39	20.16	20.29		
5	25	0		20.32	20.27	20.32		
5	1	0	256-QAM	18.37	18.40	18.49	13.44	0.0221
5	1	12		18.53	18.45	18.40		
5	1	24		18.59	18.54	18.40		
5	12	0		18.49	18.41	18.49		
5	12	7		18.43	18.40	18.59		
5	12	13		18.57	18.51	18.44		
5	25	0		18.43	18.29	18.52		
Limit	ERP < 3W			Result			Pass	

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	50	0	50	0	QPSK	24.05	24.07	24.09	28.28	0.6730
10+10	1	0	1	49		15.50	15.57	15.60		
10+10	1	49	1	0		24.78	25.49	25.99		
10+10	50	0	50	0	16-QAM	23.05	23.14	23.10	28.22	0.6637
10+10	1	0	1	49		15.99	15.88	16.11		
10+10	1	49	1	0		25.10	25.13	25.93		
10+10	50	0	50	0	64-QAM	22.79	23.04	23.13	27.07	0.5093
10+10	1	0	1	49		15.76	15.85	15.69		
10+10	1	49	1	0		22.56	22.48	24.78		
10+10	50	0	50	0	256-QAM	21.03	21.12	21.09	23.50	0.2239
10+10	1	0	1	49		15.70	15.81	15.74		
10+10	1	49	1	0		21.16	21.20	21.21		
15+5	75	0	25	0	QPSK	24.09	24.15	24.19	27.77	0.5984
15+5	1	0	1	24		23.79	24.65	24.05		
15+5	1	74	1	0		24.88	25.48	25.31		
15+5	75	0	25	0	16-QAM	23.11	23.13	23.16	27.60	0.5754
15+5	1	0	1	24		23.99	23.85	24.36		
15+5	1	74	1	0		24.81	24.88	25.31		
15+5	75	0	25	0	64-QAM	23.08	23.09	23.42	26.70	0.4677
15+5	1	0	1	24		23.91	23.50	24.05		
15+5	1	74	1	0		23.73	23.70	24.41		
15+5	75	0	25	0	256-QAM	21.03	21.12	21.11	25.34	0.3420
15+5	1	0	1	24		22.87	22.71	23.05		
15+5	1	74	1	0		21.20	21.15	20.98		
5+15	25	0	75	0	QPSK	24.06	24.11	24.10	28.45	0.6998
5+15	1	0	1	74		23.77	24.76	24.29		
5+15	1	24	1	0		25.84	25.81	26.16		
5+15	25	0	75	0	16-QAM	23.10	23.12	23.17	28.42	0.6950
5+15	1	0	1	74		24.01	23.95	24.53		
5+15	1	24	1	0		25.28	25.14	26.13		
5+15	25	0	75	0	64-QAM	23.01	23.17	22.77	26.95	0.4955
5+15	1	0	1	74		23.83	23.72	24.29		
5+15	1	24	1	0		23.16	23.11	24.66		
5+15	25	0	75	0	256-QAM	21.14	21.09	21.06	25.60	0.3631
5+15	1	0	1	74		22.94	22.91	23.31		
5+15	1	24	1	0		21.14	21.08	21.40		
Limit	EIRP < 1W					Result			Pass	

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+5	50	0	25	0	QPSK	24.00	24.17	24.09	27.75	0.5957
10+5	1	0	1	24		15.96	16.08	16.09		
10+5	1	49	1	0		25.45	25.46	25.24		
10+5	50	0	25	0	16-QAM	23.05	23.09	23.07	27.54	0.5675
10+5	1	0	1	24		16.51	16.43	16.64		
10+5	1	49	1	0		25.01	24.92	25.25		
10+5	50	0	25	0	64-QAM	22.77	22.68	23.09	26.56	0.4529
10+5	1	0	1	24		16.35	16.33	16.27		
10+5	1	49	1	0		22.53	22.48	24.27		
10+5	50	0	25	0	256-QAM	21.05	21.12	21.10	23.58	0.2280
10+5	1	0	1	24		16.18	16.23	16.24		
10+5	1	49	1	0		21.20	20.34	21.29		
5+10	25	0	50	0	QPSK	24.02	24.23	24.11	28.32	0.6792
5+10	1	0	1	49		15.97	16.08	16.09		
5+10	1	24	1	0		25.62	25.63	26.03		
5+10	25	0	50	0	16-QAM	23.04	23.08	23.17	27.37	0.5458
5+10	1	0	1	49		16.36	16.58	16.73		
5+10	1	24	1	0		25.08	25.05	25.02		
5+10	25	0	50	0	64-QAM	22.98	22.84	23.10	27.09	0.5117
5+10	1	0	1	49		16.23	16.41	16.32		
5+10	1	24	1	0		23.10	24.77	24.80		
5+10	25	0	50	0	256-QAM	20.89	21.14	21.11	23.74	0.2366
5+10	1	0	1	49		16.22	16.33	16.24		
5+10	1	24	1	0		21.17	21.40	21.45		
5+5	25	0	25	0	QPSK	22.18	24.19	22.47	27.85	0.6095
5+5	1	0	1	24		20.08	19.97	20.12		
5+5	1	24	1	0		25.56	25.34	25.31		
5+5	25	0	25	0	16-QAM	21.16	23.21	21.50	27.42	0.5521
5+5	1	0	1	24		20.51	20.44	20.49		
5+5	1	24	1	0		25.06	25.13	25.10		
5+5	25	0	25	0	64-QAM	20.27	22.60	20.30	26.44	0.4406
5+5	1	0	1	24		20.34	20.33	20.37		
5+5	1	24	1	0		22.71	24.15	24.10		
5+5	25	0	25	0	256-QAM	21.22	21.30	20.48	25.96	0.3945
5+5	1	0	1	24		22.93	23.38	23.67		
5+5	1	24	1	0		21.35	21.05	21.30		
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.26	23.88	21.78	26.36	0.4325
20+20	1	0	1	99		17.61	17.38	17.48		
20+20	1	99	1	0		24.07	21.31	21.33		
20+20	100	0	100	0	16-QAM	20.08	22.87	20.92	26.62	0.4592
20+20	1	0	1	99		17.89	19.53	17.58		
20+20	1	99	1	0		23.64	24.33	21.01		
20+20	100	0	100	0	64-QAM	19.12	22.55	20.07	26.60	0.4571
20+20	1	0	1	99		17.65	20.53	17.45		
20+20	1	99	1	0		21.24	24.31	18.04		
20+20	100	0	100	0	256-QAM	18.80	20.90	19.61	25.20	0.3311
20+20	1	0	1	99		17.51	20.48	17.57		
20+20	1	99	1	0		20.87	22.91	17.45		
20+15	100	0	75	0	QPSK	23.11	23.97	23.00	28.23	0.6653
20+15	1	0	1	74		17.34	17.35	17.40		
20+15	1	74	1	0		24.73	23.55	25.94		
20+15	100	0	75	0	16-QAM	22.26	22.94	22.06	27.87	0.6124
20+15	1	0	1	74		17.73	17.66	17.85		
20+15	1	74	1	0		24.60	24.51	25.58		
20+15	100	0	75	0	64-QAM	21.27	20.95	21.18	25.97	0.3954
20+15	1	0	1	74		17.68	17.35	17.75		
20+15	1	74	1	0		23.31	22.95	23.68		
20+15	100	0	75	0	256-QAM	18.71	18.81	18.56	23.32	0.2148
20+15	1	0	1	74		17.45	15.45	17.41		
20+15	1	74	1	0		21.03	19.05	20.80		
15+20	75	0	100	0	QPSK	23.07	24.00	22.29	26.31	0.4276
15+20	1	0	1	99		17.41	17.35	17.45		
15+20	1	74	1	0		24.02	23.79	23.62		
15+20	75	0	100	0	16-QAM	22.21	22.99	21.36	25.87	0.3864
15+20	1	0	1	99		17.82	17.55	17.83		
15+20	1	74	1	0		23.58	23.41	23.05		
15+20	75	0	100	0	64-QAM	21.31	22.99	20.39	25.28	0.3373
15+20	1	0	1	99		17.72	17.25	17.64		
15+20	1	74	1	0		20.91	20.84	20.49		
15+20	75	0	100	0	256-QAM	18.55	20.75	17.57	23.04	0.2014
15+20	1	0	1	99		17.34	19.55	17.49		
15+20	1	74	1	0		18.05	20.18	17.54		
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	23.18	24.12	23.51	27.92	0.6194
20+10	1	0	1	49		17.55	17.64	17.33		
20+10	1	99	1	0		24.90	23.72	25.63		
20+10	100	0	50	0	16-QAM	22.26	23.15	22.32	28.02	0.6339
20+10	1	0	1	49		18.18	18.66	17.73		
20+10	1	99	1	0		22.86	25.73	25.68		
20+10	100	0	50	0	64-QAM	21.36	22.42	21.85	26.84	0.4831
20+10	1	0	1	49		17.88	18.62	17.75		
20+10	1	99	1	0		23.43	24.55	24.01		
20+10	100	0	50	0	256-QAM	18.66	19.93	19.57	23.30	0.2138
20+10	1	0	1	49		17.48	17.34	17.52		
20+10	1	99	1	0		20.80	20.84	21.01		
10+20	50	0	100	0	QPSK	23.34	24.18	22.12	27.09	0.5117
10+20	1	0	1	99		17.56	17.65	17.68		
10+20	1	49	1	0		24.39	24.80	23.77		
10+20	50	0	100	0	16-QAM	22.33	23.18	21.18	26.36	0.4325
10+20	1	0	1	99		17.96	20.28	18.30		
10+20	1	49	1	0		24.07	17.85	23.15		
10+20	50	0	100	0	64-QAM	21.50	21.15	20.33	23.79	0.2393
10+20	1	0	1	99		17.96	18.79	17.96		
10+20	1	49	1	0		21.32	17.53	20.50		
10+20	50	0	100	0	256-QAM	18.81	18.88	17.63	21.17	0.1309
10+20	1	0	1	99		17.50	17.55	17.66		
10+20	1	49	1	0		18.42	18.52	17.57		
20+5	100	0	25	0	QPSK	22.85	21.68	22.86	26.48	0.4446
20+5	1	0	1	24		17.33	17.23	17.27		
20+5	1	99	1	0		24.19	22.83	24.05		
20+5	100	0	25	0	16-QAM	20.95	20.80	22.03	26.75	0.4732
20+5	1	0	1	24		17.86	17.63	17.21		
20+5	1	99	1	0		24.27	24.31	24.46		
20+5	100	0	25	0	64-QAM	19.88	19.89	21.24	24.67	0.2931
20+5	1	0	1	24		17.51	17.46	17.61		
20+5	1	99	1	0		21.85	21.66	22.38		
20+5	100	0	25	0	256-QAM	18.51	18.86	20.59	23.34	0.2158
20+5	1	0	1	24		17.62	17.62	17.45		
20+5	1	99	1	0		21.05	20.94	20.97		
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)									
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.41	23.84	20.10	26.13	0.4102
5+20	1	0	1	99		17.29	17.30	17.32		
5+20	1	24	1	0		22.89	23.82	22.64		
5+20	25	0	100	0	16-QAM	20.43	22.89	19.20	27.18	0.5224
5+20	1	0	1	99		17.74	19.91	17.93		
5+20	1	24	1	0		22.42	24.89	22.09		
5+20	25	0	100	0	64-QAM	19.50	22.54	18.22	26.90	0.4898
5+20	1	0	1	99		17.54	24.61	17.69		
5+20	1	24	1	0		19.64	23.81	19.46		
5+20	25	0	100	0	256-QAM	18.93	20.80	17.68	24.40	0.2754
5+20	1	0	1	99		17.41	22.02	16.77		
5+20	1	24	1	0		19.00	22.11	18.67		
Limit	EIRP < 1W					Result			Pass	

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 2.29 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	50	0	QPSK	22.77	23.87	23.82	28.40	0.6918
15+10	1	0	1	49		17.49	17.48	17.60		
15+10	1	74	1	0		23.82	23.40	26.11		
15+10	75	0	50	0	16-QAM	21.76	22.74	23.02	26.95	0.4955
15+10	1	0	1	49		17.89	17.92	18.06		
15+10	1	74	1	0		23.42	24.53	24.66		
15+10	75	0	50	0	64-QAM	20.86	22.15	22.40	26.72	0.4699
15+10	1	0	1	49		17.73	17.62	17.76		
15+10	1	74	1	0		20.76	24.34	24.43		
15+10	75	0	50	0	256-QAM	18.42	19.90	19.61	23.16	0.2070
15+10	1	0	1	49		17.49	17.35	17.46		
15+10	1	74	1	0		18.13	20.77	20.87		
10+15	50	0	75	0	QPSK	23.08	24.09	23.49	28.46	0.7015
10+15	1	0	1	74		17.53	17.45	17.51		
10+15	1	49	1	0		24.08	23.48	26.17		
10+15	50	0	75	0	16-QAM	22.03	22.97	22.63	27.12	0.5152
10+15	1	0	1	74		17.85	17.53	17.70		
10+15	1	49	1	0		23.61	24.77	24.83		
10+15	50	0	75	0	64-QAM	21.14	22.22	21.90	26.61	0.4581
10+15	1	0	1	74		17.85	17.73	17.89		
10+15	1	49	1	0		20.87	24.32	24.17		
10+15	50	0	75	0	256-QAM	18.41	19.95	19.39	23.23	0.2104
10+15	1	0	1	74		17.55	17.31	17.59		
10+15	1	49	1	0		18.22	20.82	20.94		
15+15	75	0	75	0	QPSK	23.02	23.89	22.77	27.98	0.6281
15+15	1	0	1	74		17.25	17.38	17.37		
15+15	1	74	1	0		23.93	23.63	25.69		
15+15	75	0	75	0	16-QAM	22.07	22.87	21.79	26.83	0.4819
15+15	1	0	1	74		17.86	17.73	17.84		
15+15	1	74	1	0		23.56	24.42	24.54		
15+15	75	0	75	0	64-QAM	21.08	22.72	21.05	26.34	0.4305
15+15	1	0	1	74		17.64	18.33	17.65		
15+15	1	74	1	0		20.75	24.05	23.78		
15+15	75	0	75	0	256-QAM	18.57	19.87	18.03	23.92	0.2466
15+15	1	0	1	74		17.37	18.53	17.48		
15+15	1	74	1	0		17.87	21.63	20.76		
Limit	EIRP < 1W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.39 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.77	22.63	22.79	24.45	0.2786
20+20	1	0	1	99		16.25	16.36	15.87		
20+20	1	99	1	0		24.63	24.44	24.84		
20+20	100	0	100	0	16-QAM	21.81	21.67	21.80	23.94	0.2477
20+20	1	0	1	99		16.65	16.88	16.39		
20+20	1	99	1	0		24.04	24.05	24.33		
20+20	100	0	100	0	64-QAM	22.52	21.66	21.79	22.47	0.1766
20+20	1	0	1	99		16.74	16.71	16.29		
20+20	1	99	1	0		22.79	22.86	22.21		
20+20	100	0	100	0	256-QAM	19.67	19.51	19.68	19.79	0.0953
20+20	1	0	1	99		16.46	16.43	15.90		
20+20	1	99	1	0		19.60	19.40	20.18		
20+15	100	0	75	0	QPSK	22.77	22.63	22.87	24.70	0.2951
20+15	1	0	1	74		16.18	16.29	15.94		
20+15	1	99	1	0		24.43	24.57	25.09		
20+15	100	0	75	0	16-QAM	21.82	21.64	22.04	24.09	0.2564
20+15	1	0	1	74		16.50	16.86	16.19		
20+15	1	99	1	0		24.10	24.03	24.48		
20+15	100	0	75	0	64-QAM	21.88	21.70	21.95	22.41	0.1742
20+15	1	0	1	74		16.59	16.70	16.12		
20+15	1	99	1	0		22.78	22.80	22.07		
20+15	100	0	75	0	256-QAM	19.68	19.45	19.78	19.73	0.0940
20+15	1	0	1	74		16.28	16.48	16.12		
20+15	1	99	1	0		19.91	19.64	20.12		
15+20	75	0	100	0	QPSK	22.87	22.56	22.88	24.47	0.2799
15+20	1	0	1	99		16.21	16.20	15.97		
15+20	1	74	1	0		24.77	24.37	24.86		
15+20	75	0	100	0	16-QAM	22.05	21.55	21.91	23.95	0.2483
15+20	1	0	1	99		16.71	16.78	16.30		
15+20	1	74	1	0		23.75	23.95	24.34		
15+20	75	0	100	0	64-QAM	21.12	21.56	21.93	22.14	0.1637
15+20	1	0	1	99		16.70	16.73	16.17		
15+20	1	74	1	0		22.24	22.53	22.39		
15+20	75	0	100	0	256-QAM	19.99	19.25	20.10	19.94	0.0986
15+20	1	0	1	99		16.69	16.25	16.46		
15+20	1	74	1	0		20.01	19.32	20.33		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.39 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	75	0	QPSK	22.75	22.50	22.88	24.32	0.2704
20+10	1	0	1	74		16.10	16.17	16.31		
20+10	1	99	1	0		24.59	24.62	24.71		
20+10	100	0	75	0	16-QAM	21.75	21.64	21.91	23.69	0.2339
20+10	1	0	1	74		16.89	16.77	16.92		
20+10	1	99	1	0		24.00	24.05	24.08		
20+10	100	0	75	0	64-QAM	21.93	21.63	21.67	22.63	0.1832
20+10	1	0	1	74		16.45	16.54	16.38		
20+10	1	99	1	0		22.75	23.02	21.63		
20+10	100	0	75	0	256-QAM	19.92	19.68	20.14	19.83	0.0962
20+10	1	0	1	74		16.45	16.51	16.53		
20+10	1	99	1	0		20.07	19.90	20.22		
10+20	75	0	100	0	QPSK	22.87	22.36	23.05	24.81	0.3027
10+20	1	0	1	99		16.31	16.08	16.37		
10+20	1	74	1	0		24.97	24.24	25.20		
10+20	75	0	100	0	16-QAM	21.93	21.49	22.11	24.18	0.2618
10+20	1	0	1	99		16.84	16.53	17.19		
10+20	1	74	1	0		24.57	23.73	24.52		
10+20	75	0	100	0	64-QAM	21.88	21.50	22.13	22.13	0.1633
10+20	1	0	1	99		16.51	16.51	16.61		
10+20	1	74	1	0		22.44	22.52	22.36		
10+20	75	0	100	0	256-QAM	19.97	19.62	20.03	19.69	0.0931
10+20	1	0	1	99		16.63	16.40	16.50		
10+20	1	74	1	0		19.89	19.49	20.08		
15+15	75	0	100	0	QPSK	22.97	22.72	23.06	24.46	0.2793
15+15	1	0	1	99		16.32	16.22	16.22		
15+15	1	74	1	0		24.70	24.51	24.85		
15+15	75	0	100	0	16-QAM	22.01	21.76	22.11	23.97	0.2495
15+15	1	0	1	99		16.90	16.86	16.65		
15+15	1	74	1	0		24.01	24.05	24.36		
15+15	75	0	100	0	64-QAM	22.25	21.70	22.06	22.46	0.1762
15+15	1	0	1	99		17.07	16.79	16.55		
15+15	1	74	1	0		22.84	22.85	21.62		
15+15	75	0	100	0	256-QAM	20.02	19.79	20.17	20.04	0.1009
15+15	1	0	1	99		16.83	16.82	16.38		
15+15	1	74	1	0		20.15	19.67	20.43		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -0.39 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	100	0	QPSK	22.98	22.60	23.05	24.66	0.2924
15+10	1	0	1	99		16.24	16.12	16.55		
15+10	1	74	1	0		25.05	24.64	24.82		
15+10	75	0	100	0	16-QAM	21.90	21.68	22.11	24.07	0.2553
15+10	1	0	1	99		16.85	16.51	16.78		
15+10	1	74	1	0		24.06	24.10	24.46		
15+10	75	0	100	0	64-QAM	21.89	21.66	22.15	22.46	0.1762
15+10	1	0	1	99		16.67	16.46	16.74		
15+10	1	74	1	0		22.83	22.85	22.17		
15+10	75	0	100	0	256-QAM	19.90	19.48	19.95	19.91	0.0979
15+10	1	0	1	99		16.45	16.25	16.64		
15+10	1	74	1	0		20.08	19.67	20.30		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_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	21.75	21.85	24.09	25.72	0.3733
20+20	1	0	1	99		17.18	17.26	17.52		
20+20	1	99	1	0		25.48	25.56	25.82		
20+20	100	0	100	0	16-QAM	20.76	20.87	23.12	25.30	0.3388
20+20	1	0	1	99		17.71	17.76	17.99		
20+20	1	99	1	0		24.98	25.13	25.40		
20+20	100	0	100	0	64-QAM	22.84	22.91	23.12	24.02	0.2523
20+20	1	0	1	99		17.41	17.54	17.72		
20+20	1	99	1	0		23.81	23.82	24.12		
20+20	100	0	100	0	256-QAM	20.80	20.91	21.16	21.08	0.1282
20+20	1	0	1	99		17.40	17.52	17.73		
20+20	1	99	1	0		20.83	20.91	21.18		
20+15	100	0	75	0	QPSK	21.68	21.74	24.06	25.71	0.3724
20+15	1	0	1	74		17.11	17.18	17.48		
20+15	1	99	1	0		25.42	25.52	25.81		
20+15	100	0	75	0	16-QAM	20.68	20.77	23.08	25.30	0.3388
20+15	1	0	1	74		17.59	17.65	17.93		
20+15	1	99	1	0		24.96	25.05	25.40		
20+15	100	0	75	0	64-QAM	22.75	22.78	23.05	24.02	0.2523
20+15	1	0	1	74		17.34	17.48	17.72		
20+15	1	99	1	0		23.76	23.87	24.12		
20+15	100	0	75	0	256-QAM	20.76	20.85	21.11	21.07	0.1279
20+15	1	0	1	74		17.33	17.45	17.70		
20+15	1	99	1	0		20.79	20.85	21.17		
15+20	75	0	100	0	QPSK	21.63	21.67	23.92	25.55	0.3589
15+20	1	0	1	99		17.01	17.11	17.31		
15+20	1	74	1	0		25.30	25.41	25.65		
15+20	75	0	100	0	16-QAM	20.64	20.73	22.92	25.10	0.3236
15+20	1	0	1	99		17.50	17.59	17.79		
15+20	1	74	1	0		24.83	25.00	25.20		
15+20	75	0	100	0	64-QAM	22.60	22.72	22.96	23.89	0.2449
15+20	1	0	1	99		17.24	17.34	17.54		
15+20	1	74	1	0		23.63	23.77	23.99		
15+20	75	0	100	0	256-QAM	20.65	20.77	20.98	20.93	0.1239
15+20	1	0	1	99		17.26	17.36	17.56		
15+20	1	74	1	0		20.66	20.76	21.03		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_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	50	0	QPSK	21.53	21.65	23.93	25.63	0.3656
20+10	1	0	1	49		16.96	17.08	17.36		
20+10	1	99	1	0		25.36	25.45	25.73		
20+10	100	0	50	0	16-QAM	20.53	20.68	22.93	25.17	0.3289
20+10	1	0	1	49		17.45	17.65	17.82		
20+10	1	99	1	0		24.85	25.06	25.27		
20+10	100	0	50	0	64-QAM	22.65	22.71	22.95	23.94	0.2477
20+10	1	0	1	49		17.21	17.36	17.67		
20+10	1	99	1	0		23.65	23.82	24.04		
20+10	100	0	50	0	256-QAM	20.62	20.72	21.01	20.99	0.1256
20+10	1	0	1	49		17.17	17.32	17.59		
20+10	1	99	1	0		20.72	20.81	21.09		
10+20	50	0	100	0	QPSK	21.48	21.55	23.83	25.54	0.3581
10+20	1	0	1	99		16.93	17.04	17.29		
10+20	1	49	1	0		25.27	25.39	25.64		
10+20	50	0	100	0	16-QAM	20.52	20.58	22.85	25.07	0.3214
10+20	1	0	1	99		17.41	17.48	17.78		
10+20	1	49	1	0		24.82	24.90	25.17		
10+20	50	0	100	0	64-QAM	22.57	22.63	22.92	23.88	0.2443
10+20	1	0	1	99		17.18	17.25	17.92		
10+20	1	49	1	0		23.59	23.70	23.98		
10+20	50	0	100	0	256-QAM	20.56	20.69	20.96	20.88	0.1225
10+20	1	0	1	99		17.18	17.27	17.50		
10+20	1	49	1	0		20.59	20.70	20.98		
20+5	100	0	25	0	QPSK	21.52	21.63	23.89	25.69	0.3707
20+5	1	0	1	24		16.90	17.02	17.31		
20+5	1	99	1	0		25.36	25.51	25.79		
20+5	100	0	25	0	16-QAM	20.53	20.66	22.92	25.24	0.3342
20+5	1	0	1	24		17.36	17.53	17.77		
20+5	1	99	1	0		24.78	25.04	25.34		
20+5	100	0	25	0	64-QAM	22.58	22.67	22.89	23.97	0.2495
20+5	1	0	1	24		17.16	17.27	17.56		
20+5	1	99	1	0		23.63	23.80	24.07		
20+5	100	0	25	0	256-QAM	20.56	20.68	20.98	21.00	0.1259
20+5	1	0	1	24		17.16	17.28	17.54		
20+5	1	99	1	0		20.70	20.81	21.10		
Limit	EIRP < 2W					Result			Pass	

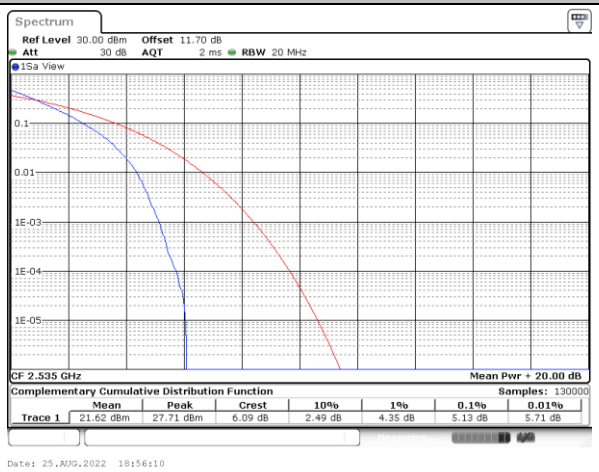
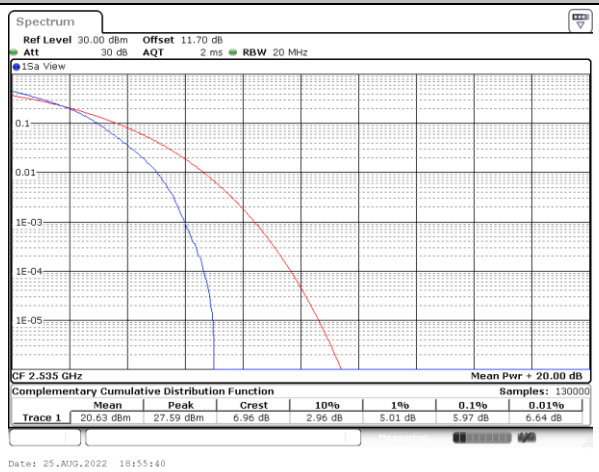
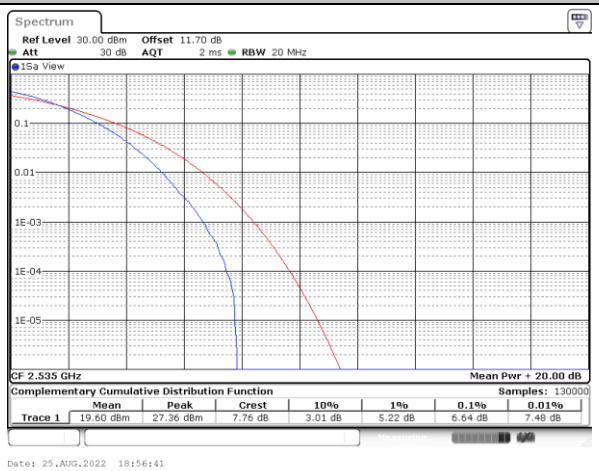
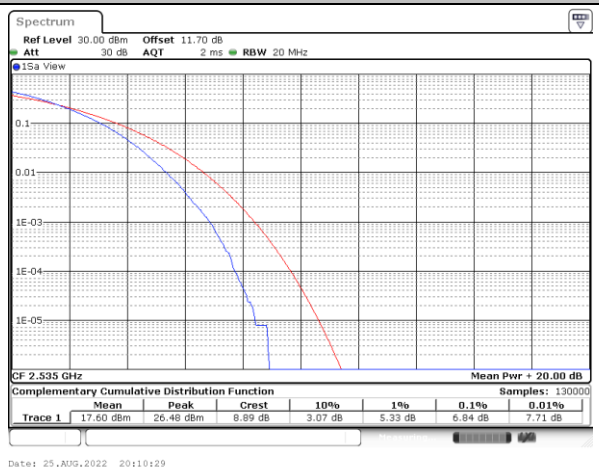
LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = -0.1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.99	22.14	23.78	25.95	0.3936
5+20	1	0	1	99		16.84	17.58	17.22		
5+20	1	24	1	0		25.28	26.05	25.69		
5+20	25	0	100	0	16-QAM	21.09	21.21	22.83	25.33	0.3412
5+20	1	0	1	99		17.32	18.04	17.67		
5+20	1	24	1	0		24.77	25.43	25.17		
5+20	25	0	100	0	64-QAM	22.39	23.18	22.82	24.19	0.2624
5+20	1	0	1	99		17.06	17.83	17.52		
5+20	1	24	1	0		23.55	24.29	23.98		
5+20	25	0	100	0	256-QAM	20.48	21.23	20.90	21.18	0.1312
5+20	1	0	1	99		17.10	17.84	17.47		
5+20	1	24	1	0		20.55	21.28	20.96		
15+10	75	0	50	0	QPSK	21.60	21.69	23.92	25.41	0.3475
15+10	1	0	1	49		17.00	17.09	17.38		
15+10	1	74	1	0		25.38	25.51	25.50		
15+10	75	0	50	0	16-QAM	20.62	20.69	22.99	24.96	0.3133
15+10	1	0	1	49		17.49	17.55	17.85		
15+10	1	74	1	0		24.79	24.98	25.06		
15+10	75	0	50	0	64-QAM	22.63	22.73	23.01	23.74	0.2366
15+10	1	0	1	49		17.23	17.38	17.94		
15+10	1	74	1	0		23.61	23.81	23.84		
15+10	75	0	50	0	256-QAM	20.63	20.74	21.04	20.94	0.1242
15+10	1	0	1	49		17.21	17.36	17.42		
15+10	1	74	1	0		20.66	20.76	20.86		
10+15	50	0	75	0	QPSK	21.54	21.65	23.90	25.64	0.3664
10+15	1	0	1	74		17.00	17.12	17.40		
10+15	1	49	1	0		25.33	25.43	25.74		
10+15	50	0	75	0	16-QAM	20.56	20.68	22.96	25.18	0.3296
10+15	1	0	1	74		17.47	17.55	17.83		
10+15	1	49	1	0		24.87	25.00	25.28		
10+15	50	0	75	0	64-QAM	22.60	22.70	22.99	23.96	0.2489
10+15	1	0	1	74		17.21	17.30	23.68		
10+15	1	49	1	0		23.62	23.73	24.06		
10+15	50	0	75	0	256-QAM	20.61	20.73	21.04	20.95	0.1245
10+15	1	0	1	74		17.23	17.32	17.59		
10+15	1	49	1	0		20.64	20.74	21.05		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C(HPUE)_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+15	75	0	75	0	QPSK	20.66	20.70	23.95	25.58	0.3614
15+15	1	0	1	74		16.99	17.11	17.35		
15+15	1	74	1	0		25.31	25.41	25.68		
15+15	75	0	75	0	16-QAM	20.63	20.70	22.93	25.15	0.3273
15+15	1	0	1	74		17.49	17.58	17.83		
15+15	1	74	1	0		24.97	24.96	25.25		
15+15	75	0	75	0	64-QAM	22.59	22.70	22.97	23.90	0.2455
15+15	1	0	1	74		17.22	17.34	17.59		
15+15	1	74	1	0		23.60	23.73	24.00		
15+15	75	0	75	0	256-QAM	20.64	20.75	21.00	20.92	0.1236
15+15	1	0	1	74		17.29	17.34	17.58		
15+15	1	74	1	0		20.63	20.74	21.02		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	5.97	6.64	6.84	PASS

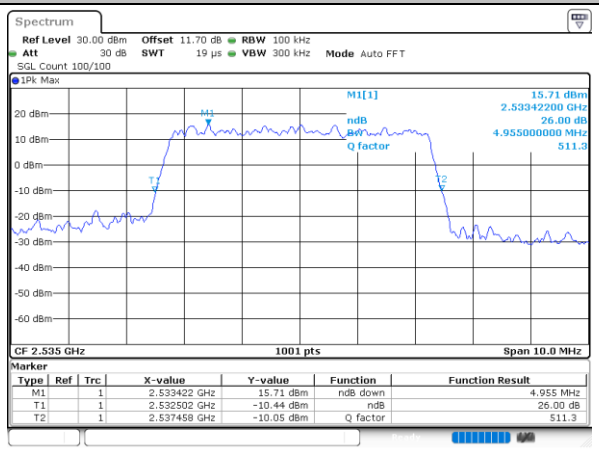
LTE Band 7 / 20MHz / QPSK	LTE Band 7 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 7 / 20MHz / 64QAM	LTE Band 7 / 20MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

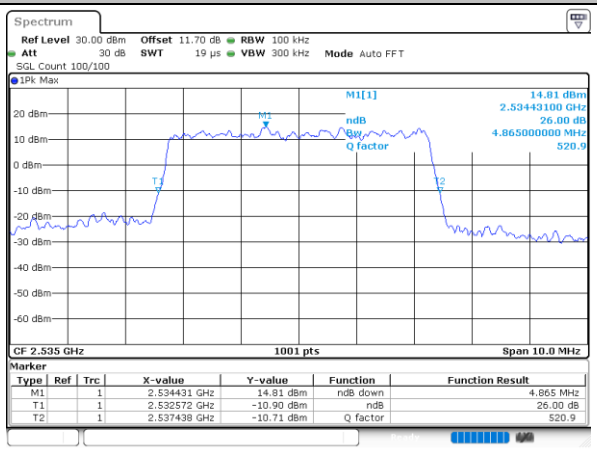
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.96	4.87	9.71	9.69	14.33	14.57	18.98	18.98
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.87	4.89	9.89	9.67	14.33	14.51	18.94	18.74

LTE Band 7

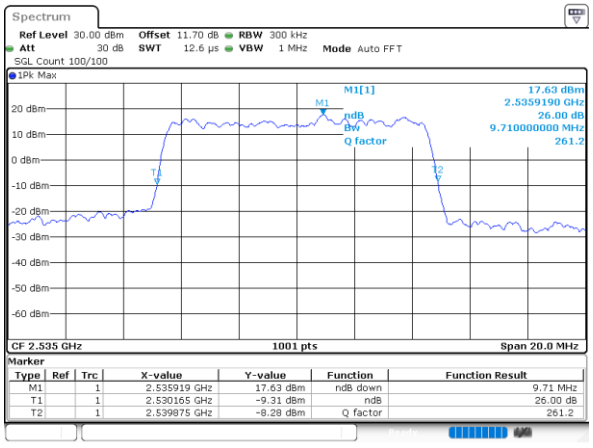
Middle Channel / 5MHz / QPSK



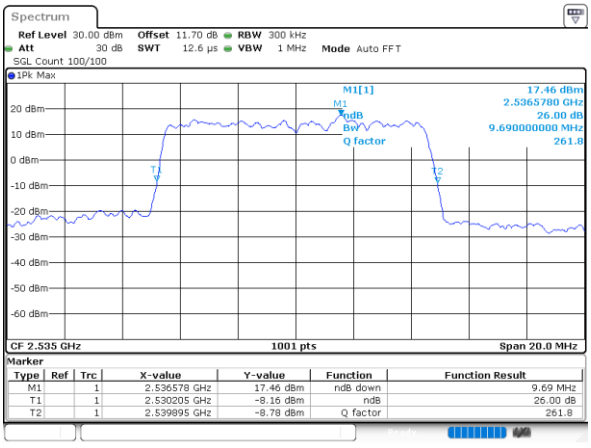
Middle Channel / 5MHz / 16QAM



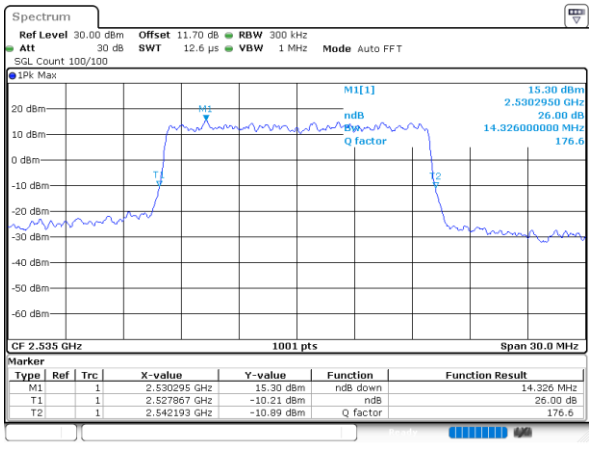
Middle Channel / 10MHz / QPSK



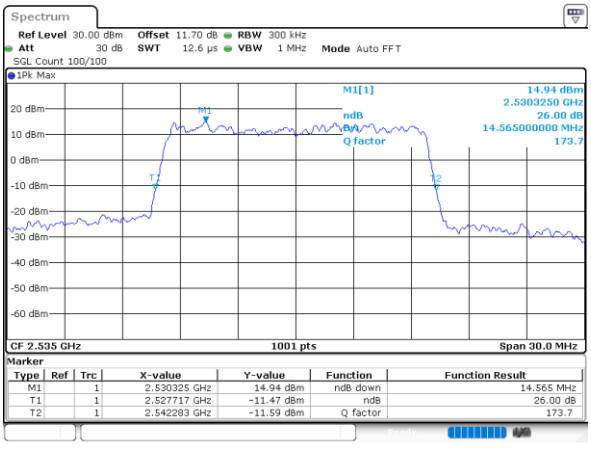
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

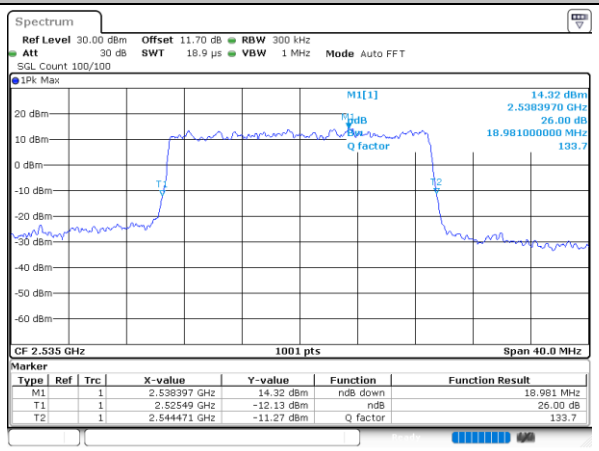


Middle Channel / 15MHz / 16QAM

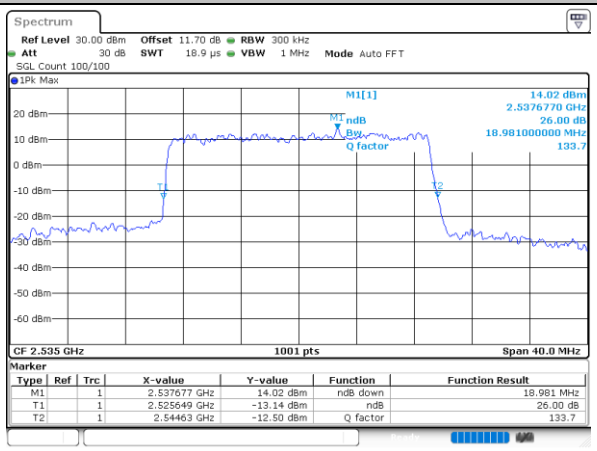


LTE Band 7

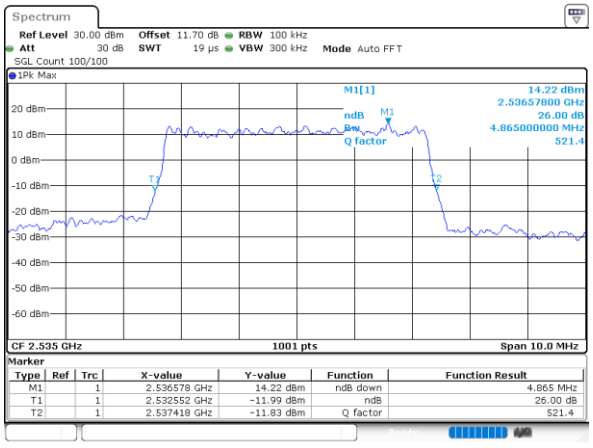
Middle Channel / 20MHz / QPSK



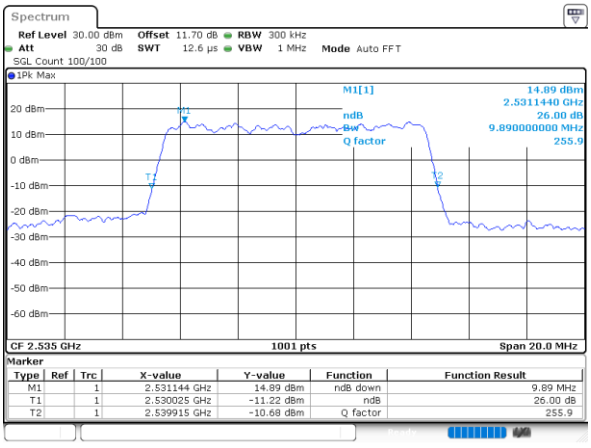
Middle Channel / 20MHz / 16QAM



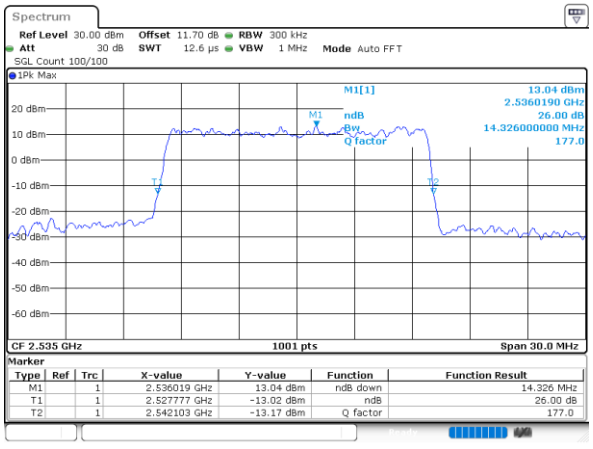
Middle Channel / 5MHz / 64QAM



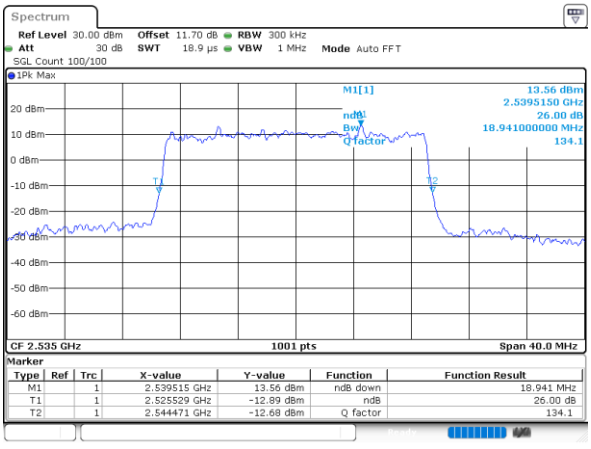
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

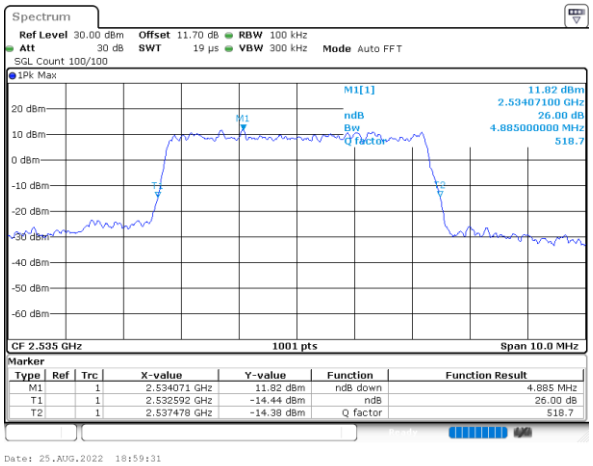


Middle Channel / 20MHz / 64QAM

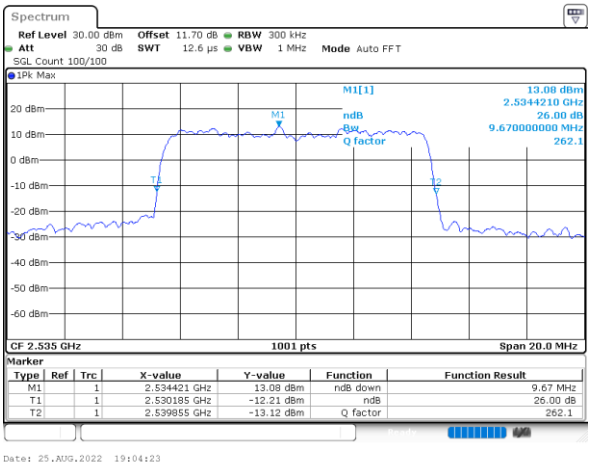


LTE Band 7

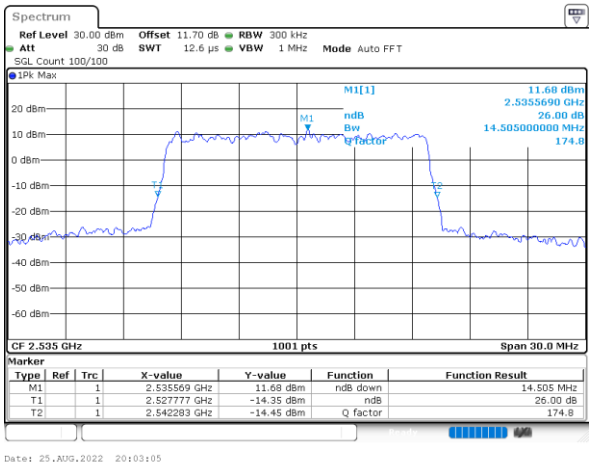
Middle Channel / 5MHz / 256QAM



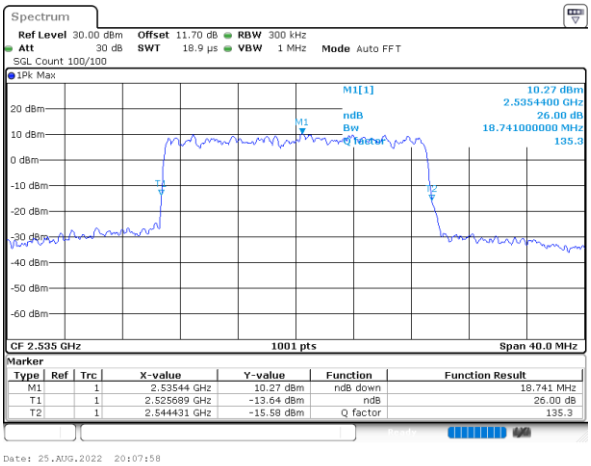
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

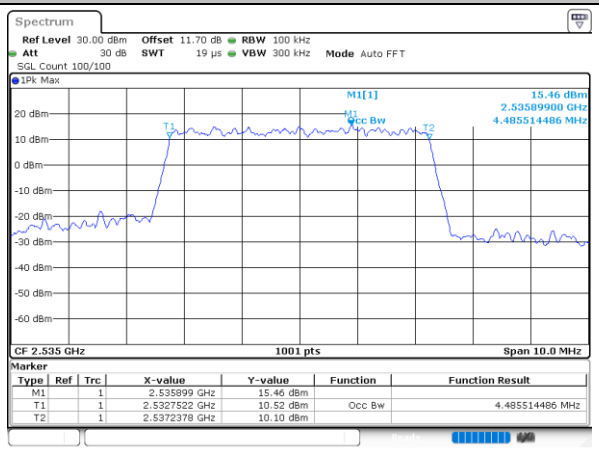


Occupied Bandwidth

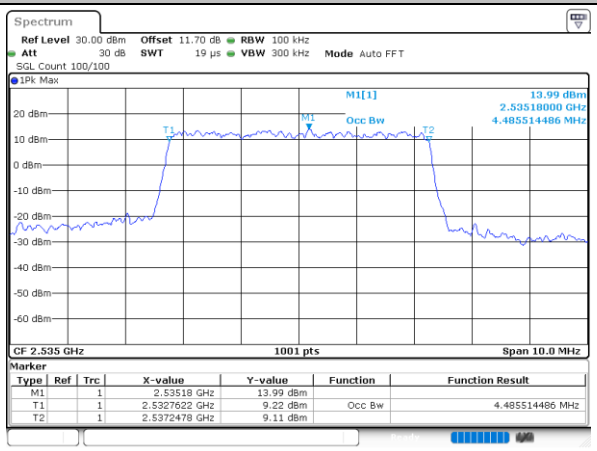
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.49	9.07	8.97	13.46	13.43	17.94	17.82
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.48	4.50	8.99	9.05	13.46	13.46	17.86	17.82

LTE Band 7

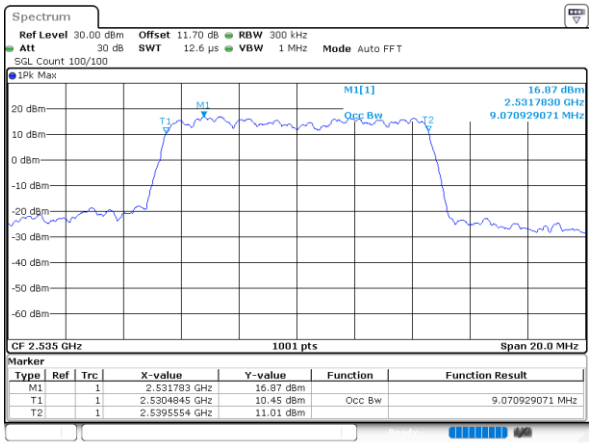
Middle Channel / 5MHz / QPSK



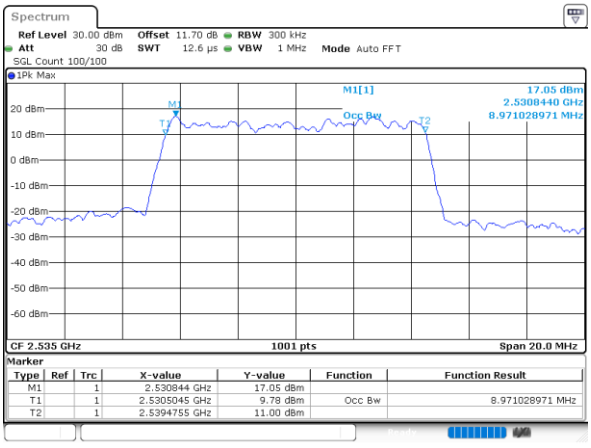
Middle Channel / 5MHz / 16QAM



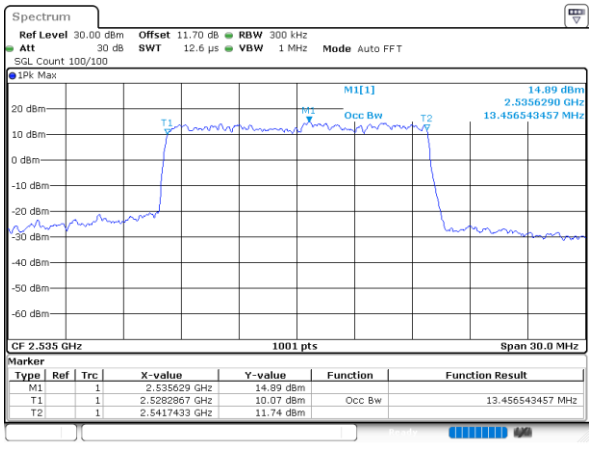
Middle Channel / 10MHz / QPSK



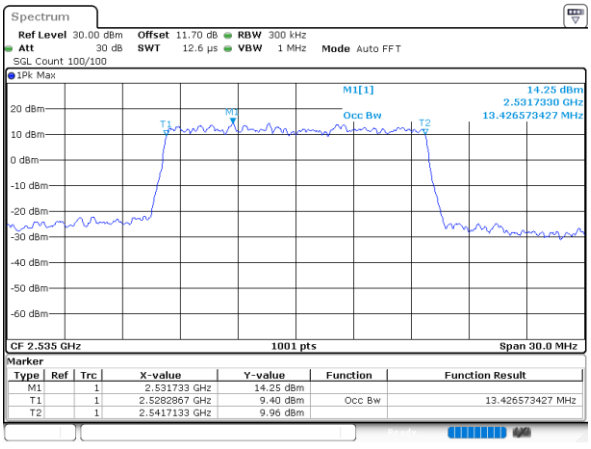
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

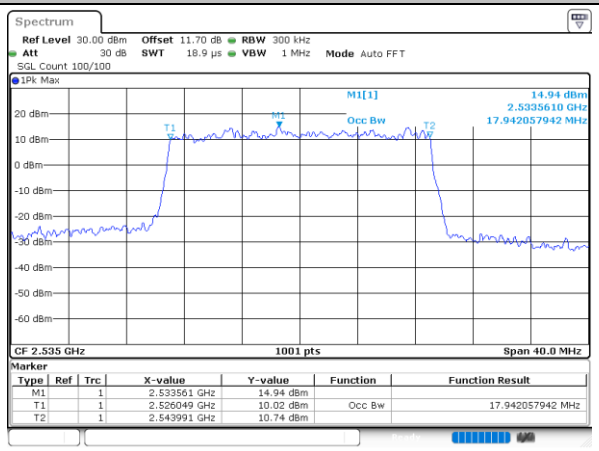


Middle Channel / 15MHz / 16QAM

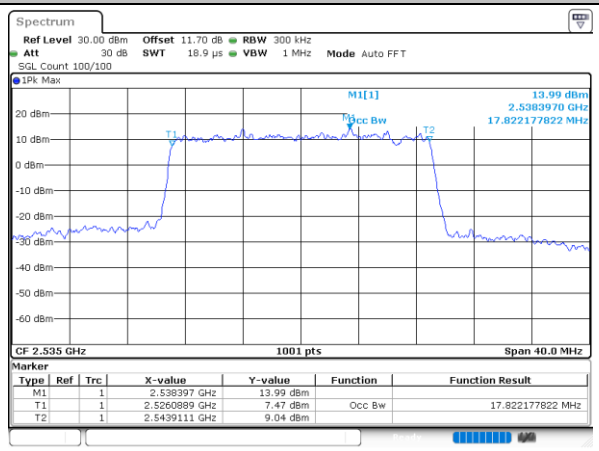


LTE Band 7

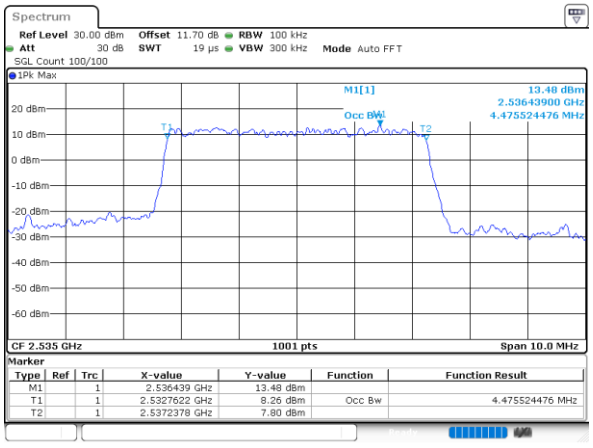
Middle Channel / 20MHz / QPSK



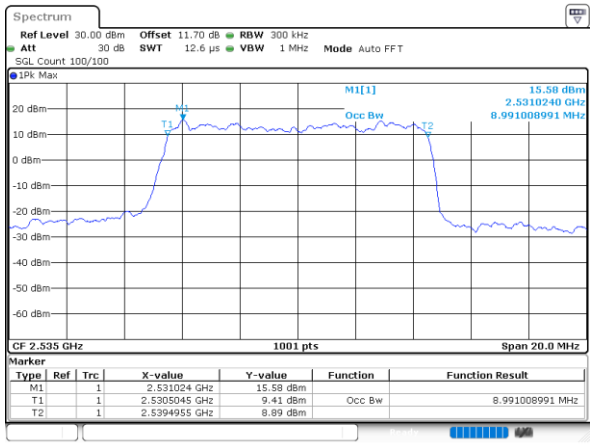
Middle Channel / 20MHz / 16QAM



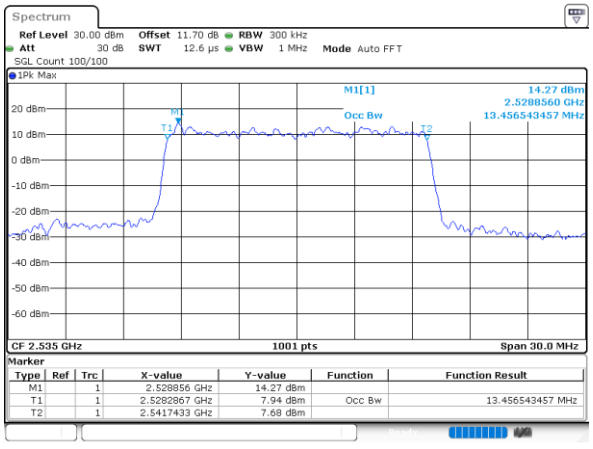
Middle Channel / 5MHz / 64QAM



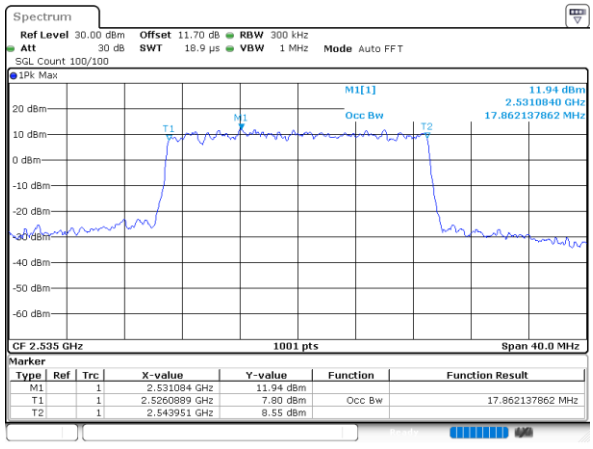
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

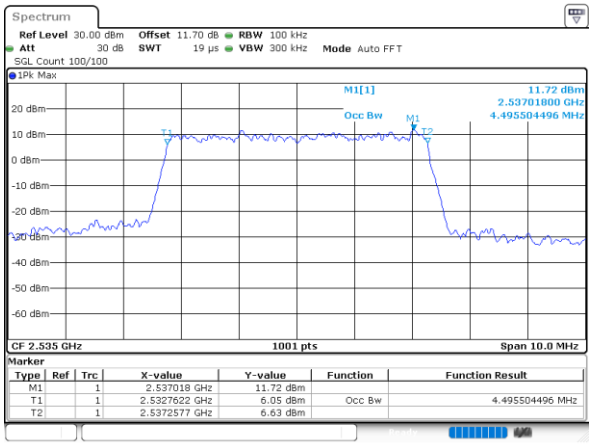


Middle Channel / 20MHz / 64QAM

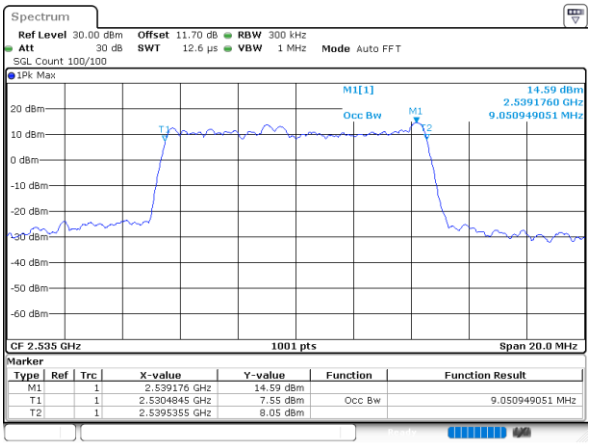


LTE Band 7

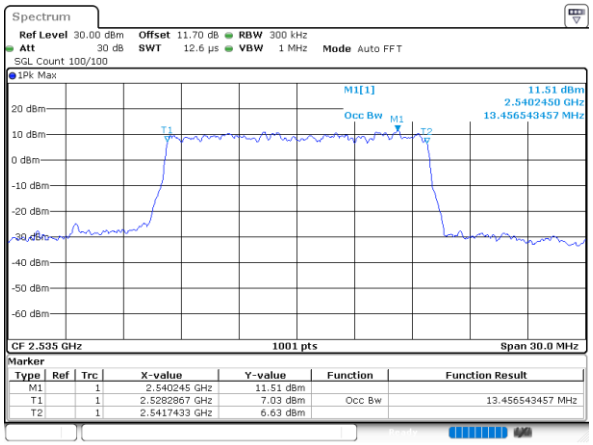
Middle Channel / 5MHz / 256QAM



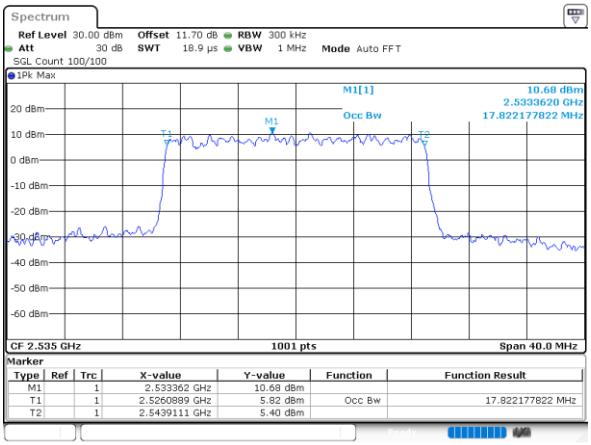
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



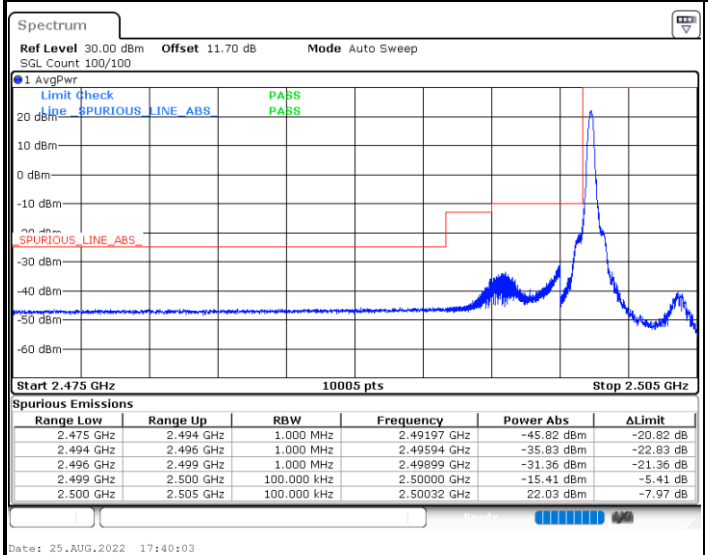
Middle Channel / 20MHz / 256QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

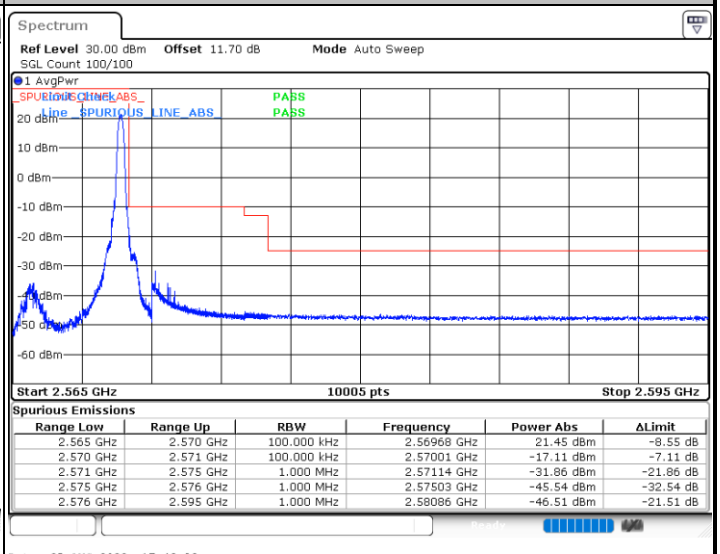


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49197 GHz	-45.82 dBm	-20.82 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-35.83 dBm	-22.83 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-31.36 dBm	-21.36 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-15.41 dBm	-5.41 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50032 GHz	22.03 dBm	-7.97 dB

Date: 25.AUG.2022 17:40:03

Highest Band Edge / 1 RB

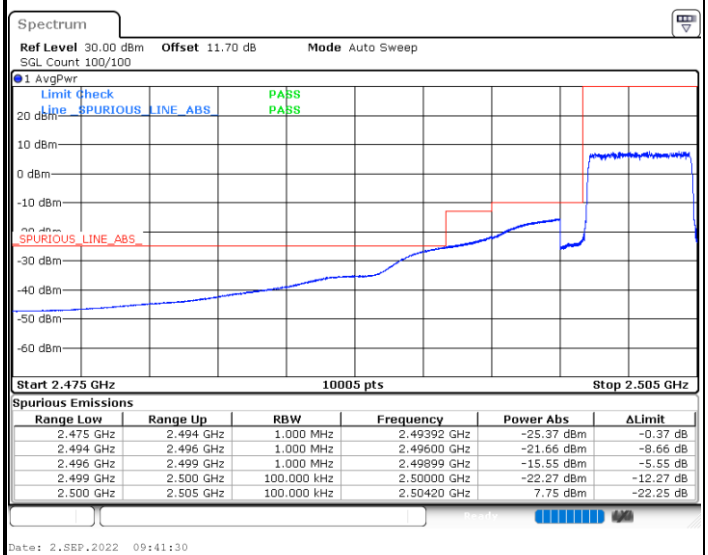


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56968 GHz	21.45 dBm	-8.55 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-17.11 dBm	-7.11 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-31.86 dBm	-21.86 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-45.54 dBm	-32.54 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.58086 GHz	-46.51 dBm	-21.51 dB

Date: 25.AUG.2022 17:48:38

Lowest Band Edge / Full RB

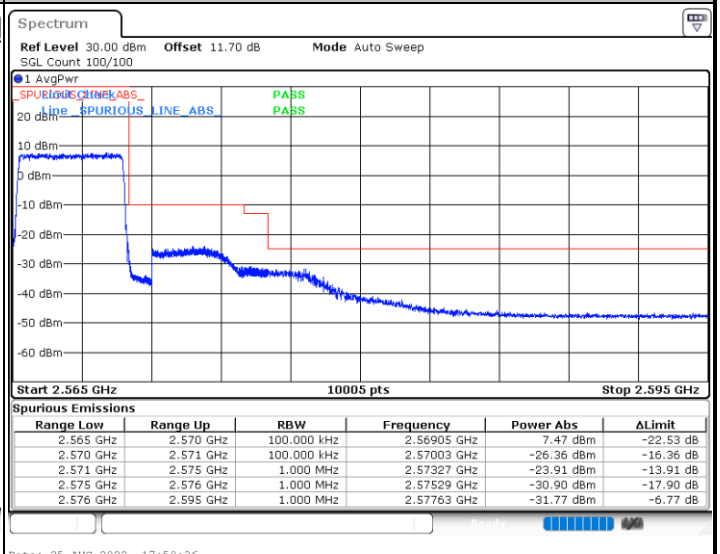


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49392 GHz	-25.37 dBm	-0.37 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-21.66 dBm	-8.66 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-15.55 dBm	-5.55 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-22.27 dBm	-12.27 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50420 GHz	7.75 dBm	-22.25 dB

Date: 2.SEP.2022 09:41:30

Highest Band Edge / Full RB



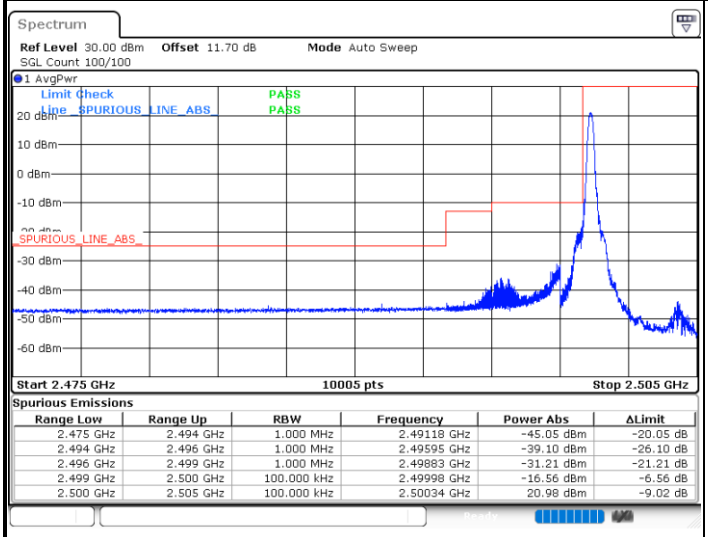
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56905 GHz	7.47 dBm	-22.53 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57003 GHz	-26.36 dBm	-16.36 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57327 GHz	-23.91 dBm	-13.91 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57529 GHz	-30.90 dBm	-17.90 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57763 GHz	-31.77 dBm	-6.77 dB

Date: 25.AUG.2022 17:50:36

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

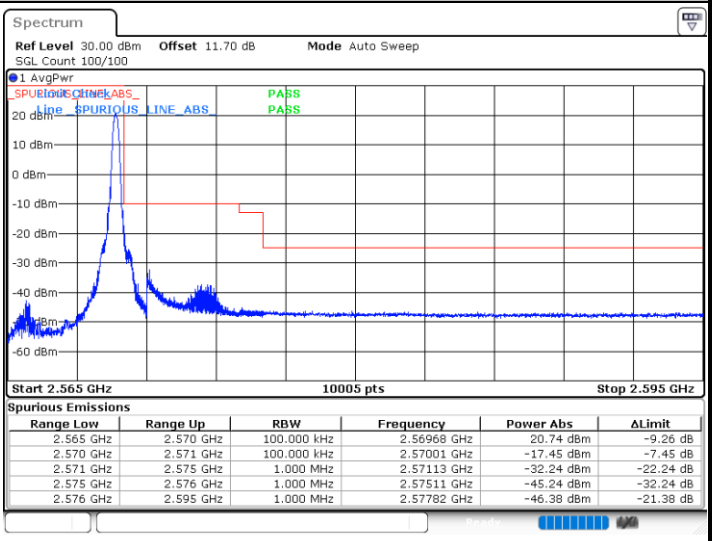


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49118 GHz	-45.05 dBm	-20.05 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-39.10 dBm	-26.10 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49883 GHz	-31.21 dBm	-21.21 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-16.56 dBm	-6.56 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	20.98 dBm	-9.02 dB

Date: 25.AUG.2022 17:41:03

Highest Band Edge / 1 RB

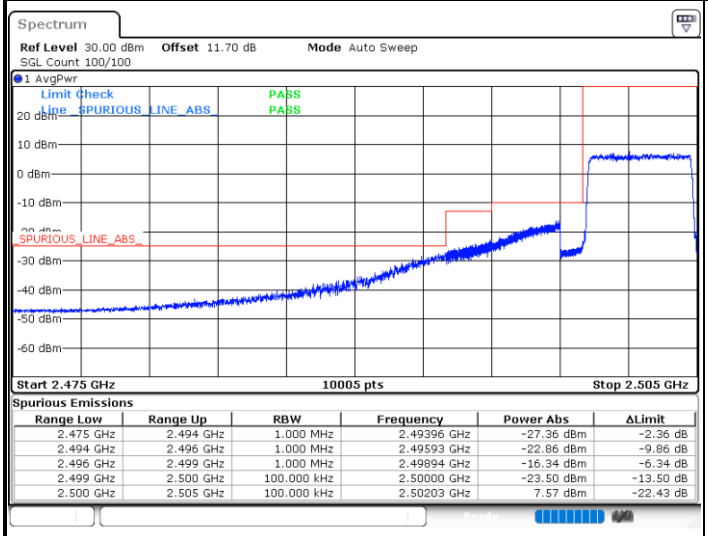


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56968 GHz	20.74 dBm	-9.26 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-17.45 dBm	-7.45 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-32.24 dBm	-22.24 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57511 GHz	-45.24 dBm	-32.24 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57782 GHz	-46.38 dBm	-21.38 dB

Date: 25.AUG.2022 17:49:37

Lowest Band Edge / Full RB

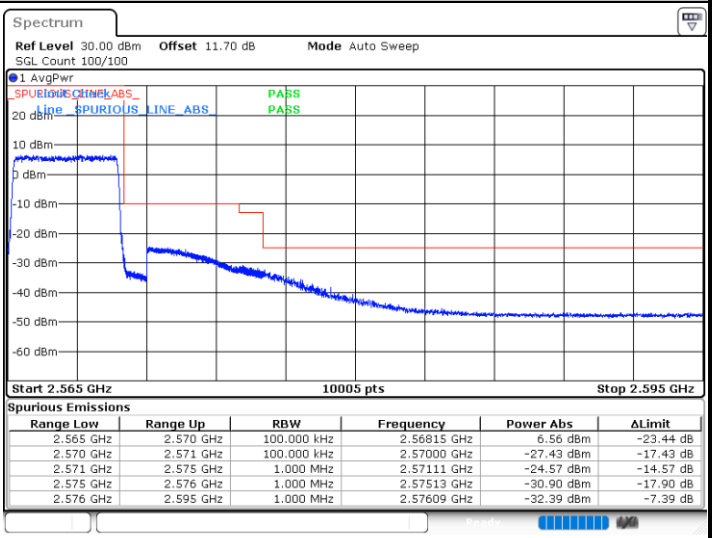


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49396 GHz	-27.36 dBm	-2.36 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-22.86 dBm	-9.86 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-16.34 dBm	-6.34 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-23.50 dBm	-13.50 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50203 GHz	7.57 dBm	-22.43 dB

Date: 25.AUG.2022 17:43:01

Highest Band Edge / Full RB



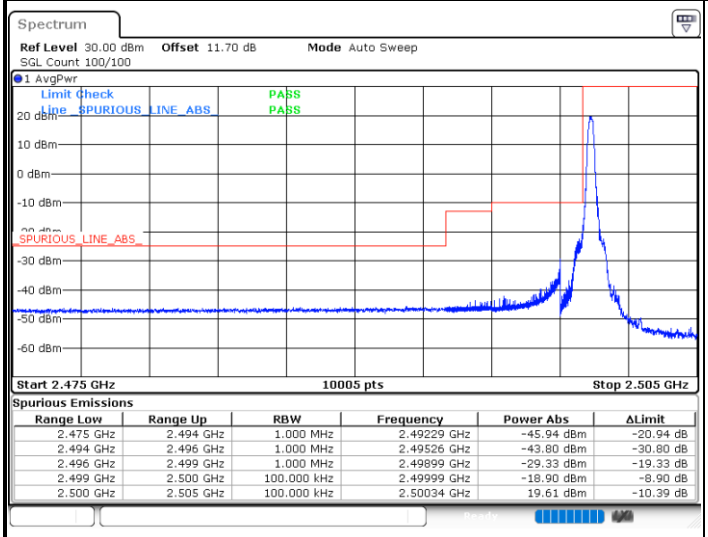
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56815 GHz	6.56 dBm	-23.44 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-27.43 dBm	-17.43 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-24.57 dBm	-14.57 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57513 GHz	-30.90 dBm	-17.90 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-32.39 dBm	-7.39 dB

Date: 25.AUG.2022 17:51:35

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

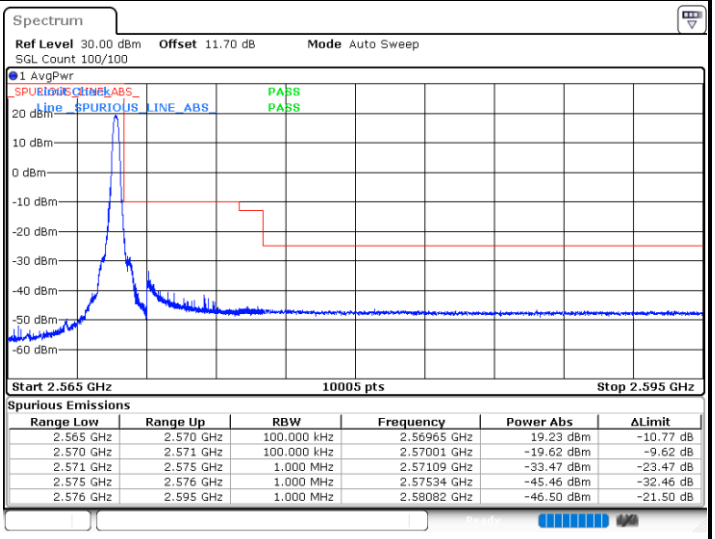


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49229 GHz	-45.94 dBm	-20.94 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49526 GHz	-43.80 dBm	-30.80 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-29.33 dBm	-19.33 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-18.90 dBm	-8.90 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	19.61 dBm	-10.39 dB

Date: 25.AUG.2022 17:53:52

Highest Band Edge / 1 RB

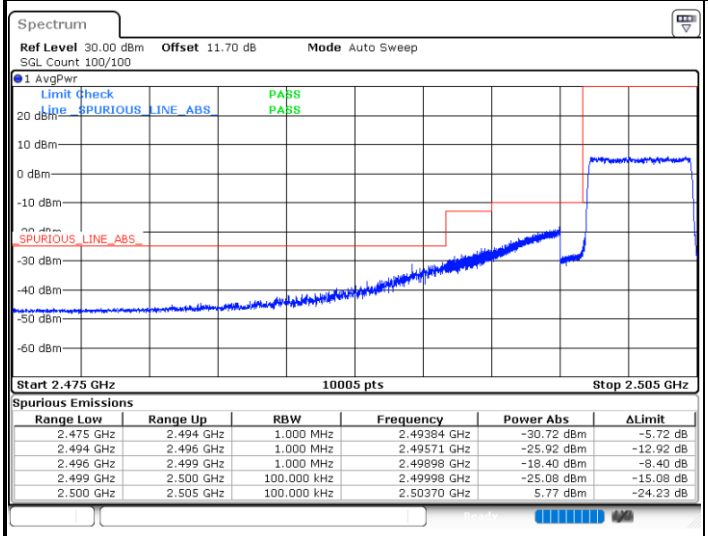


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	19.23 dBm	-10.77 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-19.62 dBm	-9.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-33.47 dBm	-23.47 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57534 GHz	-45.46 dBm	-32.46 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.58082 GHz	-46.50 dBm	-21.50 dB

Date: 25.AUG.2022 17:56:34

Lowest Band Edge / Full RB

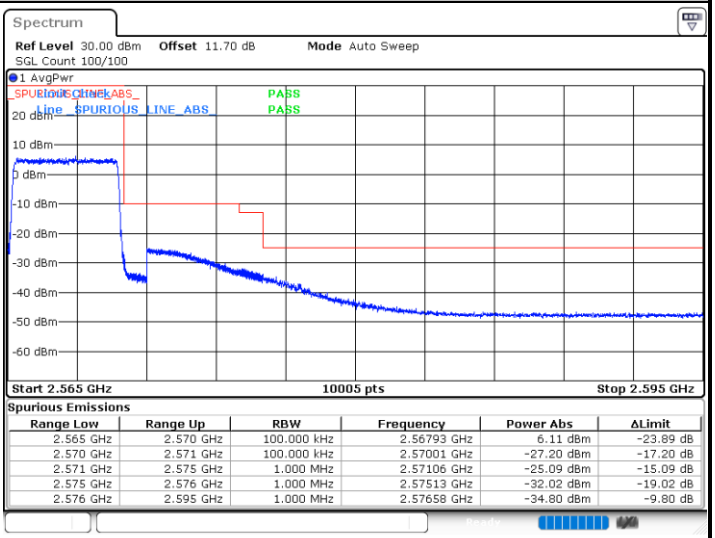


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49384 GHz	-30.72 dBm	-5.72 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49571 GHz	-25.92 dBm	-12.92 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-18.40 dBm	-8.40 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-25.08 dBm	-15.08 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50370 GHz	5.77 dBm	-24.23 dB

Date: 25.AUG.2022 17:54:52

Highest Band Edge / Full RB



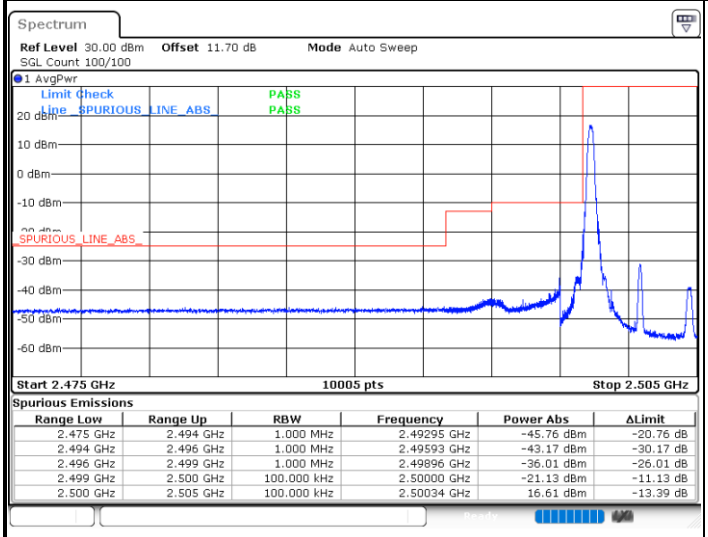
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56793 GHz	6.11 dBm	-23.89 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-27.20 dBm	-17.20 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-25.09 dBm	-15.09 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57513 GHz	-32.02 dBm	-19.02 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57658 GHz	-34.80 dBm	-9.80 dB

Date: 25.AUG.2022 17:57:33

LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

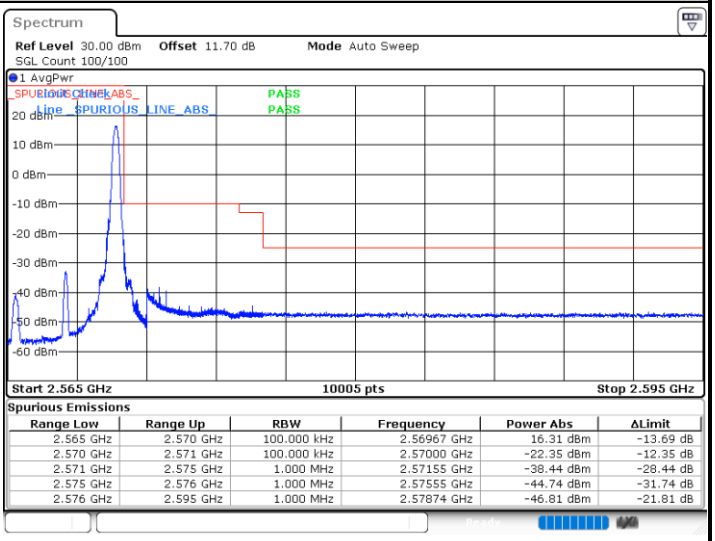


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49295 GHz	-45.76 dBm	-20.76 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-43.17 dBm	-30.17 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-36.01 dBm	-26.01 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-21.13 dBm	-11.13 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	16.61 dBm	-13.39 dB

Date: 25.AUG.2022 18:57:45

Highest Band Edge / 1 RB

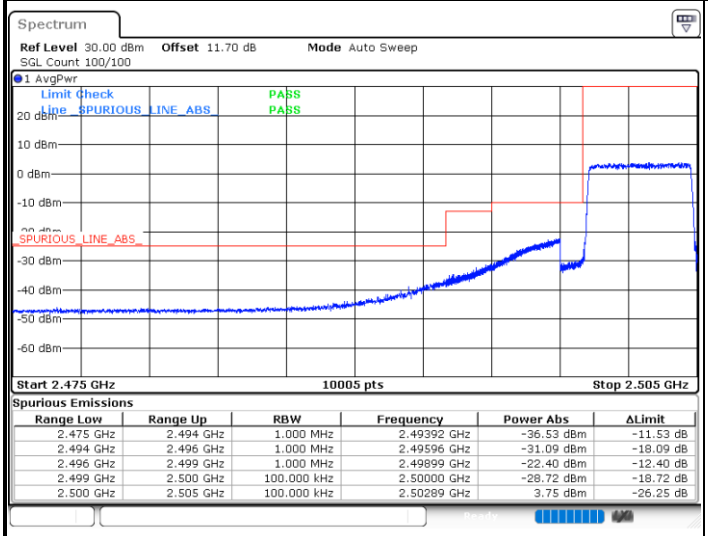


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	16.31 dBm	-13.69 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-22.35 dBm	-12.35 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57155 GHz	-38.44 dBm	-28.44 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57555 GHz	-44.74 dBm	-31.74 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57874 GHz	-46.81 dBm	-21.81 dB

Date: 25.AUG.2022 19:00:29

Lowest Band Edge / Full RB

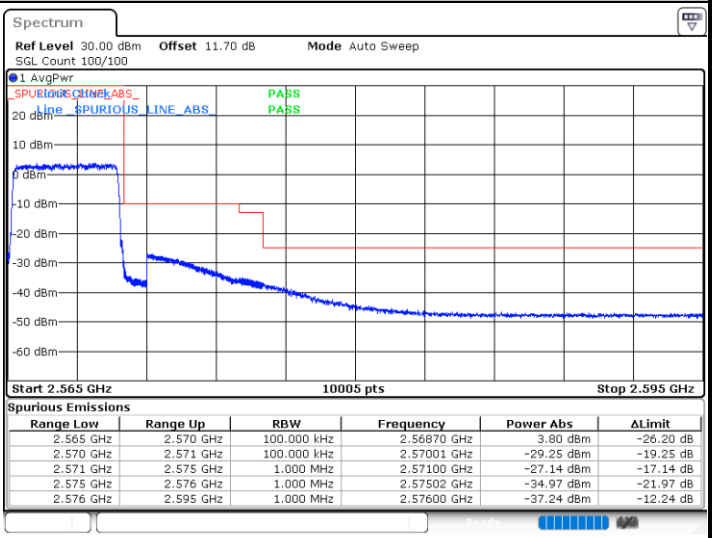


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49392 GHz	-36.53 dBm	-11.53 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-31.09 dBm	-18.09 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-22.40 dBm	-12.40 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-28.72 dBm	-18.72 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50289 GHz	3.75 dBm	-26.25 dB

Date: 25.AUG.2022 18:58:47

Highest Band Edge / Full RB



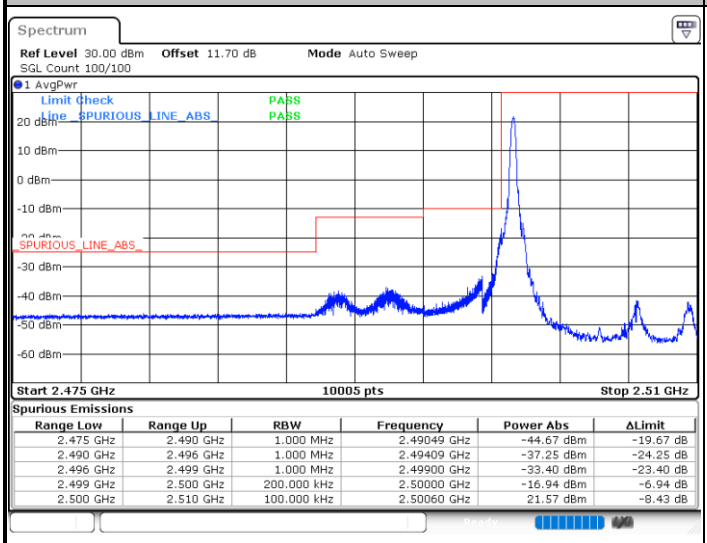
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56870 GHz	3.80 dBm	-26.20 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-29.25 dBm	-19.25 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-27.14 dBm	-17.14 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-34.97 dBm	-21.97 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57600 GHz	-37.24 dBm	-12.24 dB

Date: 25.AUG.2022 19:01:34

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

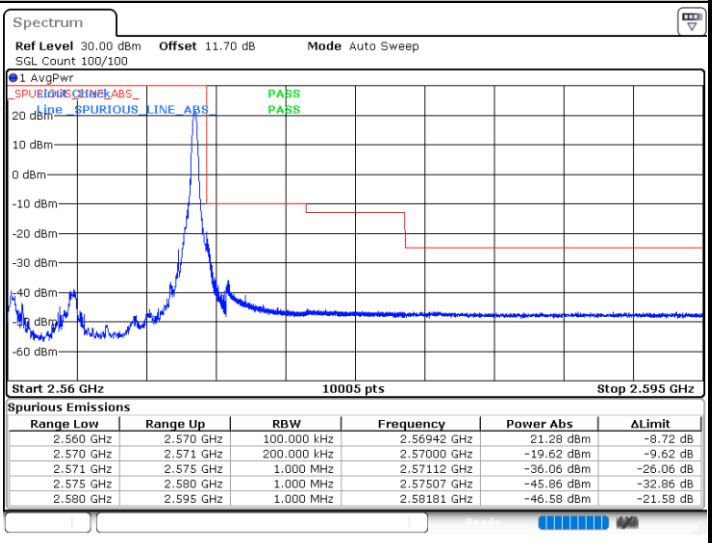


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-44.67 dBm	-19.67 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49409 GHz	-37.25 dBm	-24.25 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-33.40 dBm	-23.40 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-16.94 dBm	-6.94 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	21.57 dBm	-8.43 dB

Date: 25.AUG.2022 17:58:40

Highest Band Edge / 1 RB

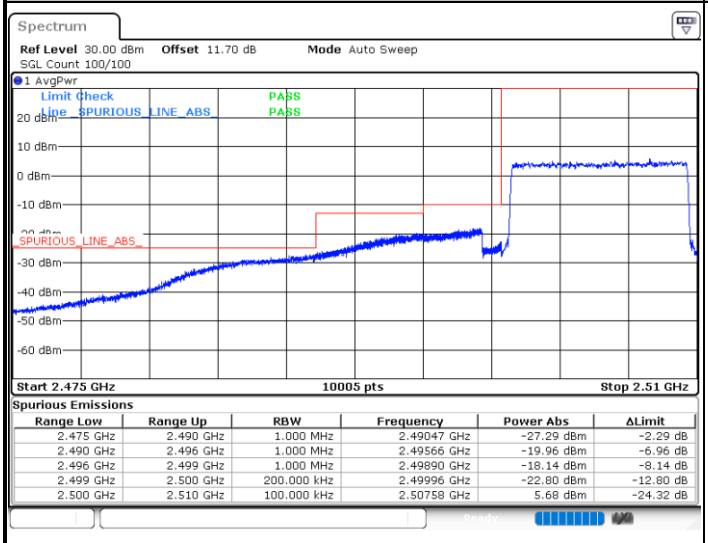


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	21.28 dBm	-8.72 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-19.62 dBm	-9.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-36.06 dBm	-26.06 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57507 GHz	-45.86 dBm	-32.86 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58181 GHz	-46.58 dBm	-21.58 dB

Date: 25.AUG.2022 18:07:11

Lowest Band Edge / Full RB

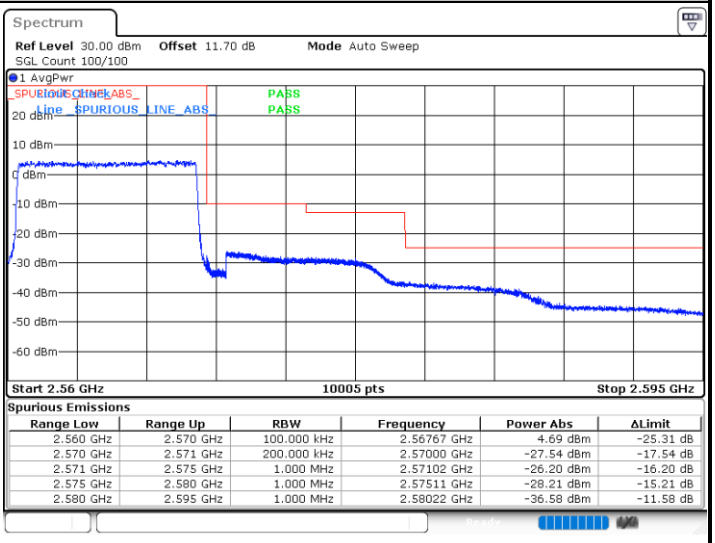


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-27.29 dBm	-2.29 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49566 GHz	-19.96 dBm	-6.96 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-18.14 dBm	-8.14 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49996 GHz	-22.80 dBm	-12.80 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50758 GHz	5.68 dBm	-24.32 dB

Date: 25.AUG.2022 18:00:38

Highest Band Edge / Full RB



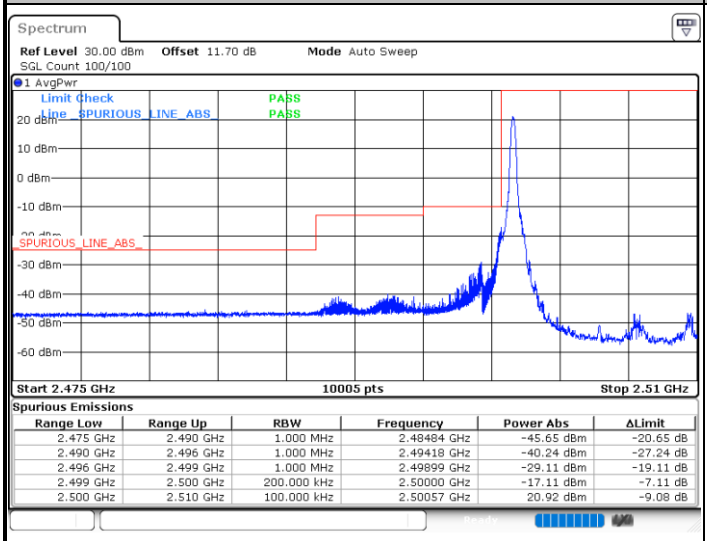
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56767 GHz	4.69 dBm	-25.31 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-27.54 dBm	-17.54 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-26.20 dBm	-16.20 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57511 GHz	-28.21 dBm	-15.21 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58022 GHz	-36.58 dBm	-11.58 dB

Date: 25.AUG.2022 18:09:08

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

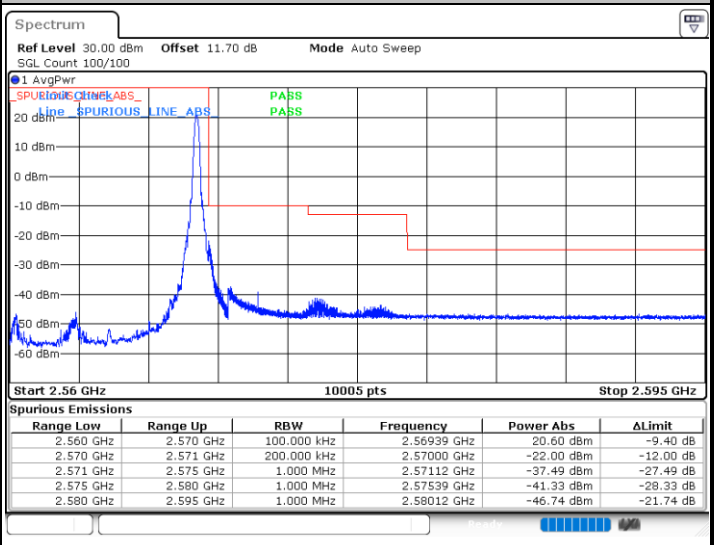


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48484 GHz	-45.65 dBm	-20.65 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49418 GHz	-40.24 dBm	-27.24 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-29.11 dBm	-19.11 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-17.11 dBm	-7.11 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50057 GHz	20.92 dBm	-9.08 dB

Date: 25.AUG.2022 17:59:39

Highest Band Edge / 1 RB

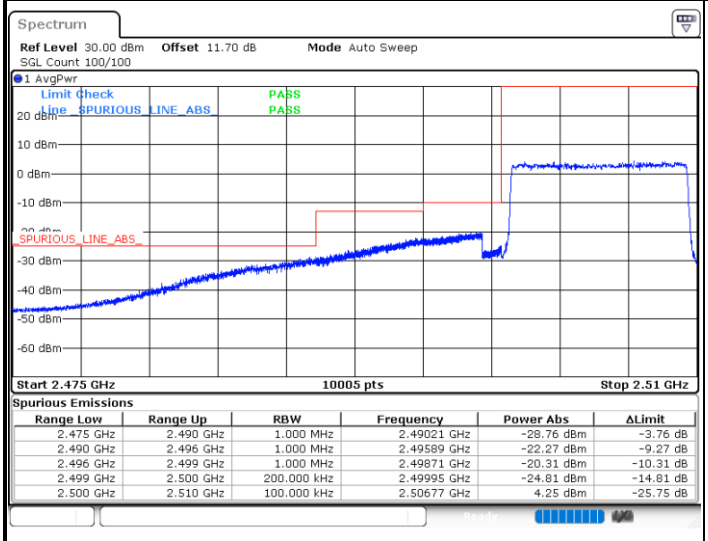


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	20.60 dBm	-9.40 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-22.00 dBm	-12.00 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-37.49 dBm	-27.49 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57539 GHz	-41.33 dBm	-28.33 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58012 GHz	-46.74 dBm	-21.74 dB

Date: 25.AUG.2022 18:08:09

Lowest Band Edge / Full RB

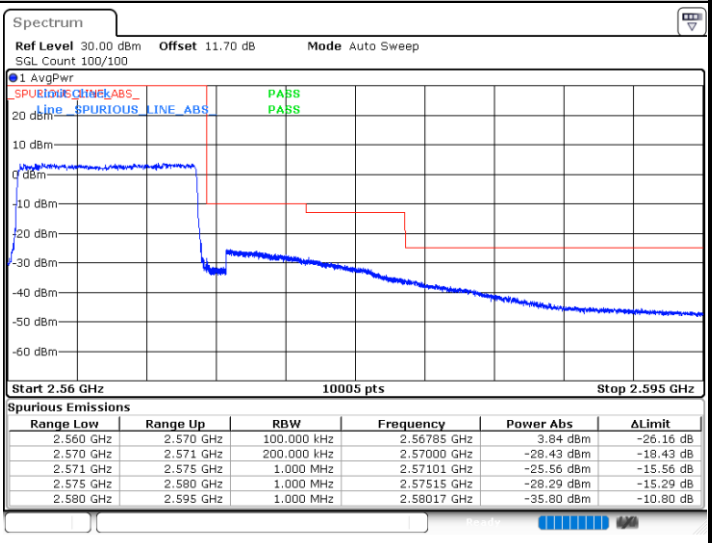


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49021 GHz	-28.76 dBm	-3.76 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49589 GHz	-22.27 dBm	-9.27 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49871 GHz	-20.31 dBm	-10.31 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49995 GHz	-24.81 dBm	-14.81 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50677 GHz	4.25 dBm	-25.75 dB

Date: 25.AUG.2022 18:01:37

Highest Band Edge / Full RB



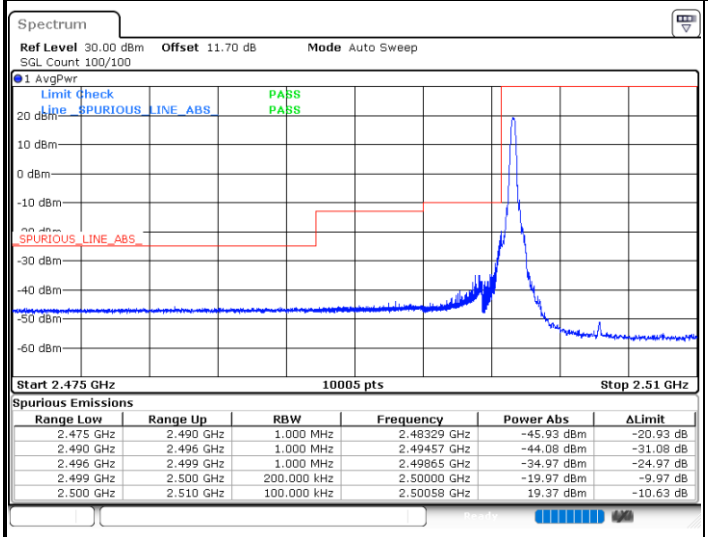
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56785 GHz	3.84 dBm	-26.16 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-28.43 dBm	-18.43 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-25.56 dBm	-15.56 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57515 GHz	-28.29 dBm	-15.29 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58017 GHz	-35.80 dBm	-10.80 dB

Date: 25.AUG.2022 18:10:10

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

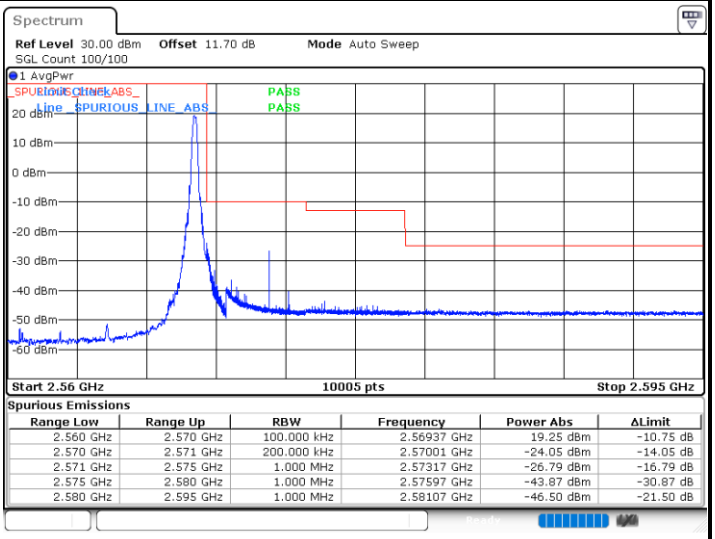


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48329 GHz	-45.93 dBm	-20.93 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49457 GHz	-44.08 dBm	-31.08 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49865 GHz	-34.97 dBm	-24.97 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-19.97 dBm	-9.97 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	19.37 dBm	-10.63 dB

Date: 25.AUG.2022 18:12:31

Highest Band Edge / 1 RB

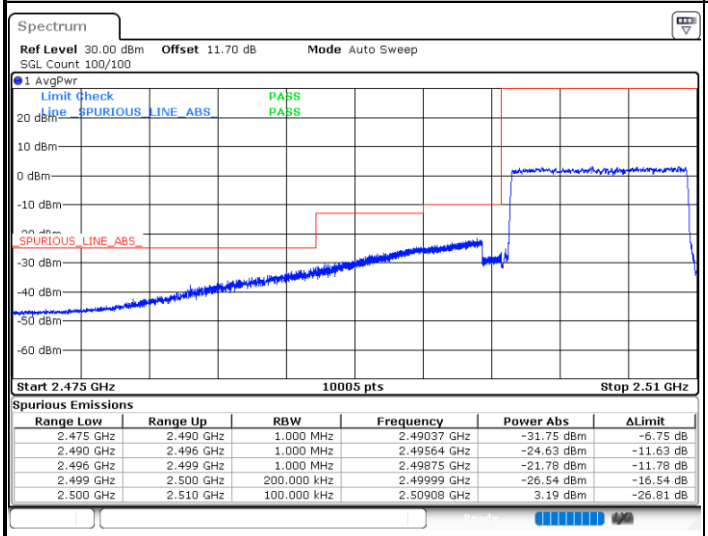


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56937 GHz	19.25 dBm	-10.75 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-24.05 dBm	-14.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57317 GHz	-26.79 dBm	-16.79 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57597 GHz	-43.87 dBm	-30.87 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58107 GHz	-46.50 dBm	-21.50 dB

Date: 25.AUG.2022 18:15:11

Lowest Band Edge / Full RB

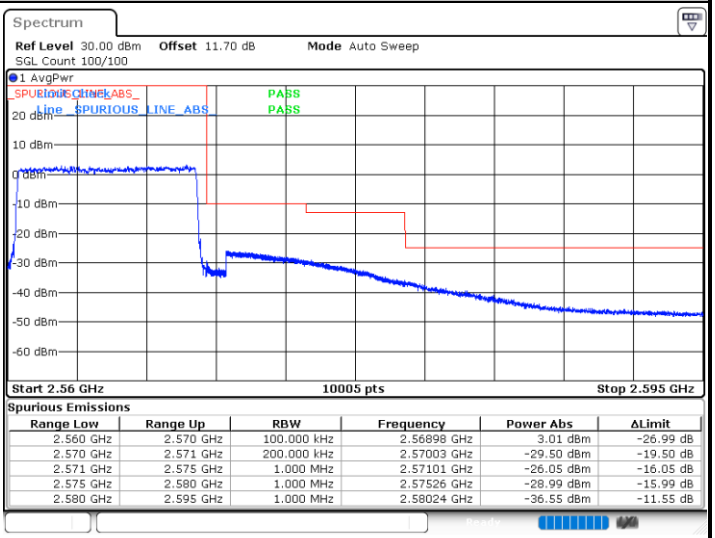


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-31.75 dBm	-6.75 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49564 GHz	-24.63 dBm	-11.63 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49875 GHz	-21.78 dBm	-11.78 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-26.54 dBm	-16.54 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50908 GHz	3.19 dBm	-26.81 dB

Date: 25.AUG.2022 18:13:30

Highest Band Edge / Full RB



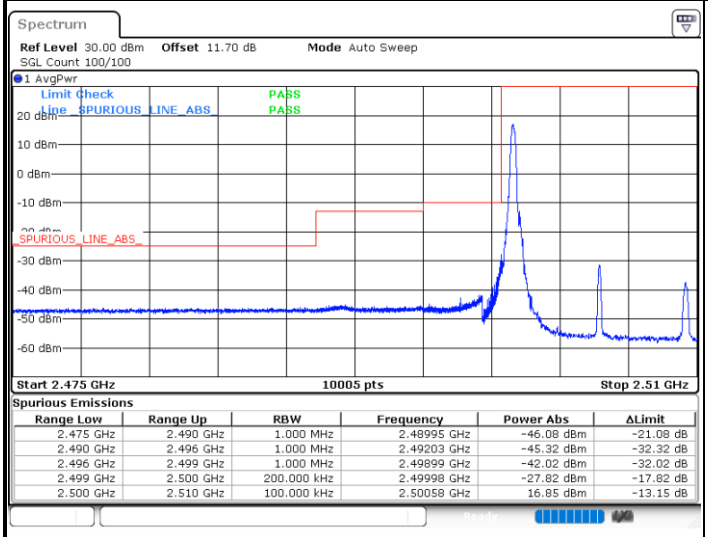
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56898 GHz	3.01 dBm	-26.99 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57003 GHz	-29.50 dBm	-19.50 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-26.05 dBm	-16.05 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57526 GHz	-28.99 dBm	-15.99 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58024 GHz	-36.55 dBm	-11.55 dB

Date: 25.AUG.2022 18:16:10

LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

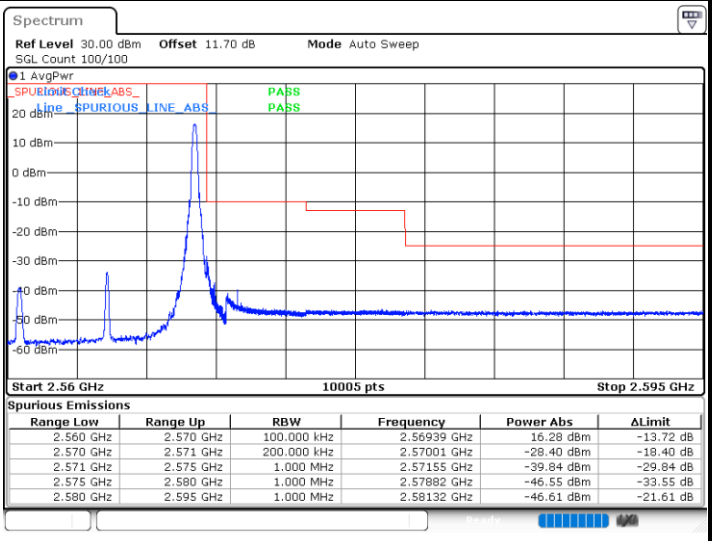


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-46.08 dBm	-21.08 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49203 GHz	-45.32 dBm	-32.32 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-42.02 dBm	-32.02 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-27.82 dBm	-17.82 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	16.85 dBm	-13.15 dB

Date: 25.AUG.2022 19:02:38

Highest Band Edge / 1 RB

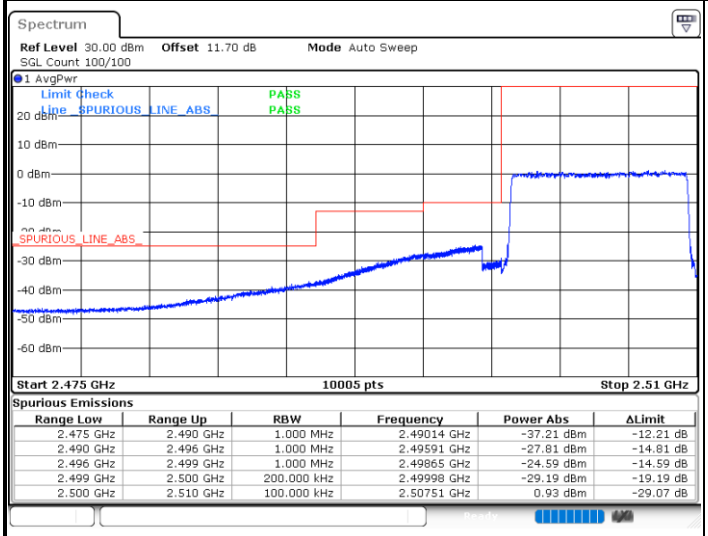


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	16.28 dBm	-13.72 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-28.40 dBm	-18.40 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57155 GHz	-39.84 dBm	-29.84 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57882 GHz	-46.55 dBm	-33.55 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58132 GHz	-46.61 dBm	-21.61 dB

Date: 25.AUG.2022 19:05:22

Lowest Band Edge / Full RB

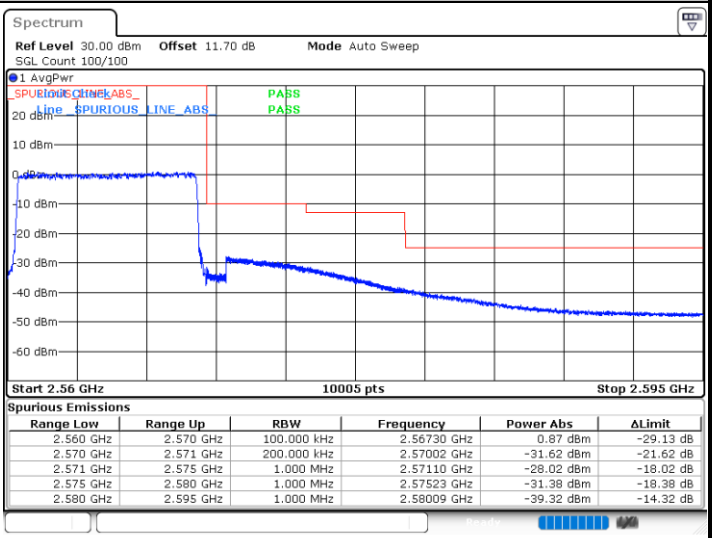


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49014 GHz	-37.21 dBm	-12.21 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-27.81 dBm	-14.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49865 GHz	-24.59 dBm	-14.59 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-29.19 dBm	-19.19 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50751 GHz	0.93 dBm	-29.07 dB

Date: 25.AUG.2022 19:03:40

Highest Band Edge / Full RB



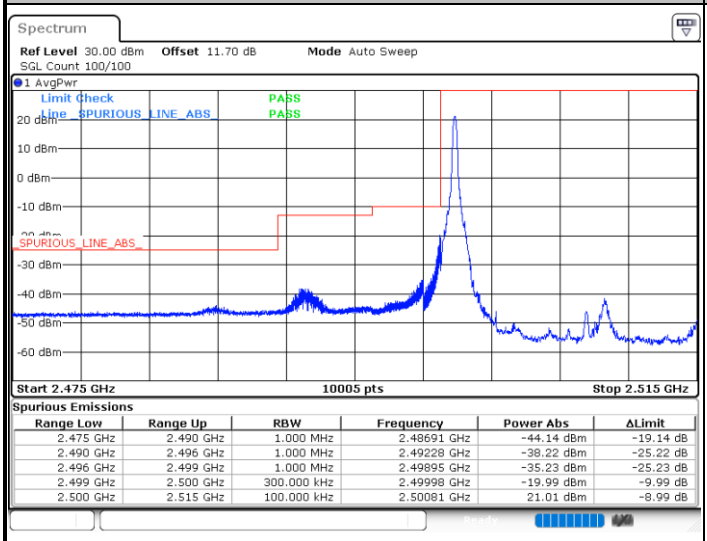
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56730 GHz	0.87 dBm	-29.13 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-31.62 dBm	-21.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-28.02 dBm	-18.02 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57523 GHz	-31.38 dBm	-18.38 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58009 GHz	-39.32 dBm	-14.32 dB

Date: 25.AUG.2022 19:06:24

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

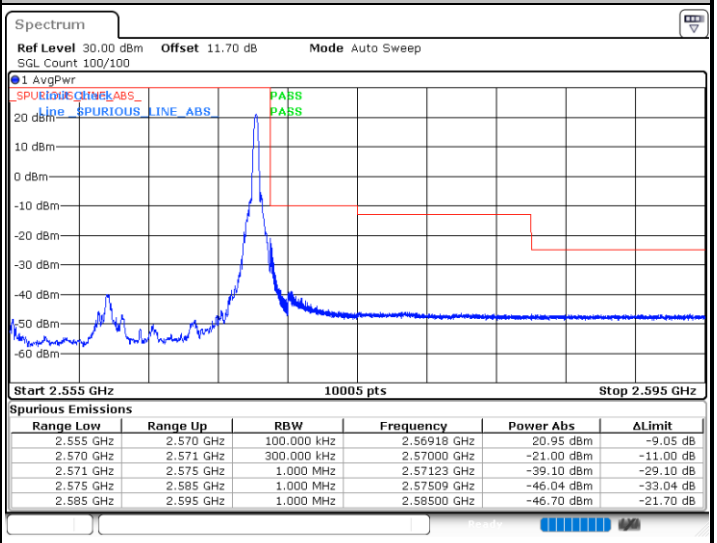


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48691 GHz	-44.14 dBm	-19.14 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49228 GHz	-38.22 dBm	-25.22 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-35.23 dBm	-25.23 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-19.99 dBm	-9.99 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50081 GHz	21.01 dBm	-8.99 dB

Date: 25.AUG.2022 18:18:16

Highest Band Edge / 1 RB

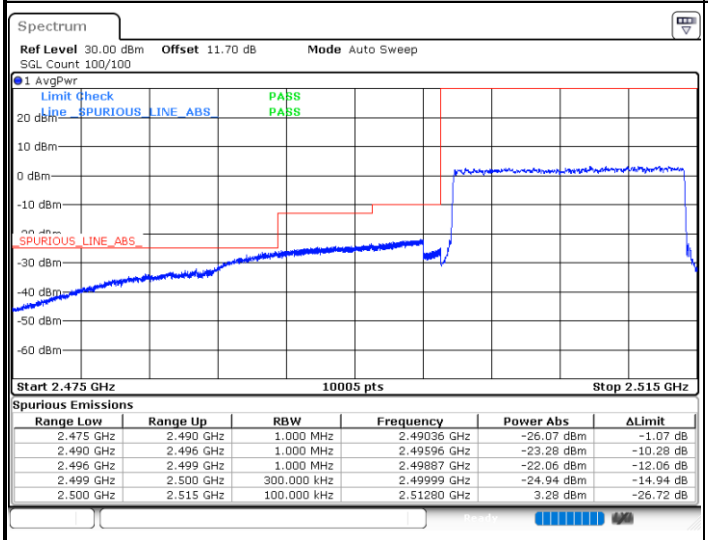


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56918 GHz	20.95 dBm	-9.05 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-21.00 dBm	-11.00 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57123 GHz	-39.10 dBm	-29.10 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57509 GHz	-46.04 dBm	-33.04 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58500 GHz	-46.70 dBm	-21.70 dB

Date: 25.AUG.2022 18:26:43

Lowest Band Edge / Full RB

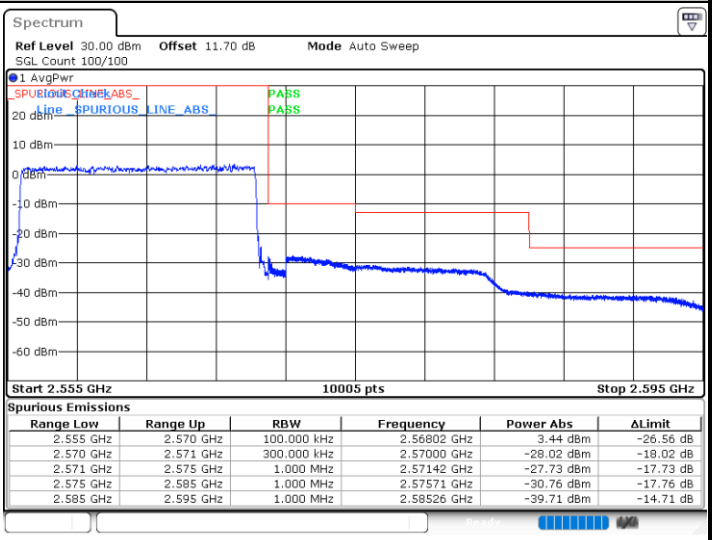


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-26.07 dBm	-1.07 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-23.28 dBm	-10.28 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-22.06 dBm	-12.06 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-24.94 dBm	-14.94 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51280 GHz	3.28 dBm	-26.72 dB

Date: 25.AUG.2022 18:20:14

Highest Band Edge / Full RB



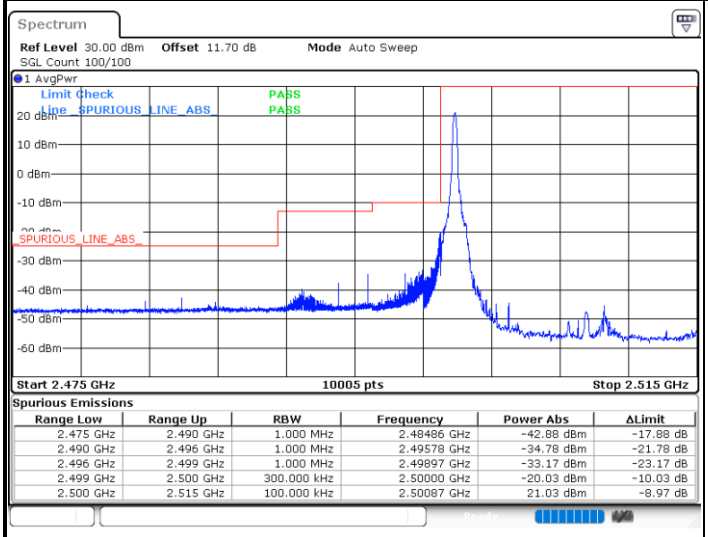
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56802 GHz	3.44 dBm	-26.56 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-28.02 dBm	-18.02 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57142 GHz	-27.73 dBm	-17.73 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57571 GHz	-30.76 dBm	-17.76 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58526 GHz	-39.71 dBm	-14.71 dB

Date: 25.AUG.2022 18:28:41

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

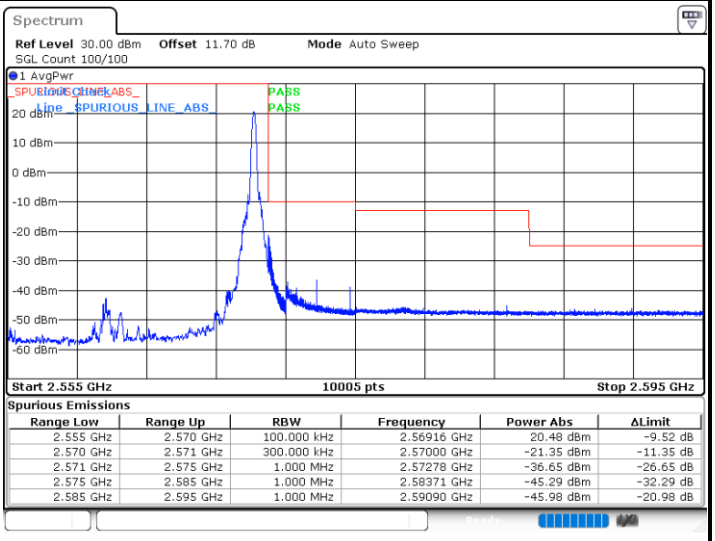


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48486 GHz	-42.88 dBm	-17.88 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49578 GHz	-34.78 dBm	-21.78 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-33.17 dBm	-23.17 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-20.03 dBm	-10.03 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	21.03 dBm	-8.97 dB

Date: 25.AUG.2022 18:19:15

Highest Band Edge / 1 RB

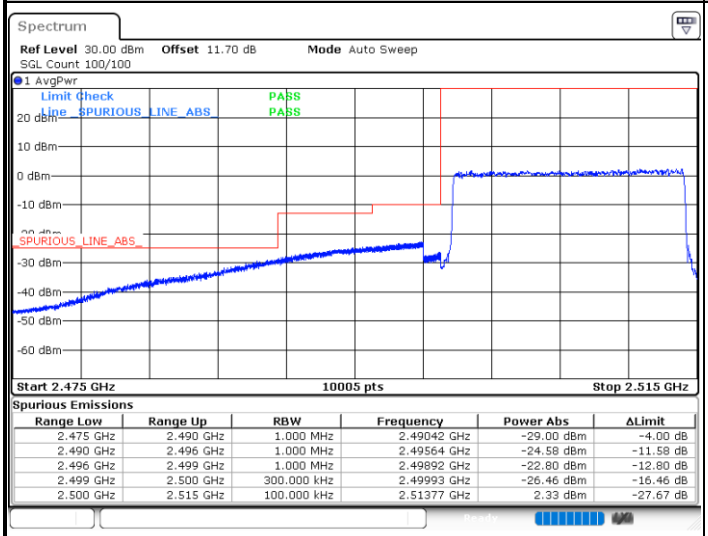


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	20.48 dBm	-9.52 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-21.35 dBm	-11.35 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57278 GHz	-36.65 dBm	-26.65 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58371 GHz	-45.29 dBm	-32.29 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59090 GHz	-45.98 dBm	-20.98 dB

Date: 25.AUG.2022 18:27:42

Lowest Band Edge / Full RB

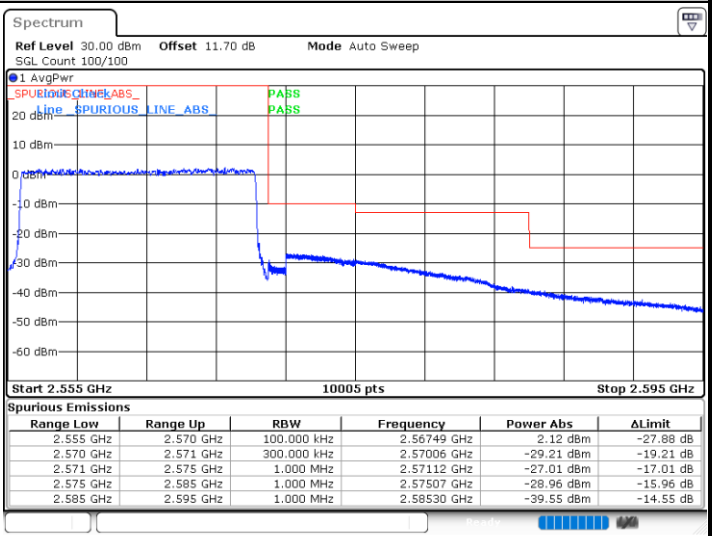


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-29.00 dBm	-4.00 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49564 GHz	-24.58 dBm	-11.58 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-22.80 dBm	-12.80 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49993 GHz	-26.46 dBm	-16.46 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51377 GHz	2.33 dBm	-27.67 dB

Date: 25.AUG.2022 18:21:13

Highest Band Edge / Full RB



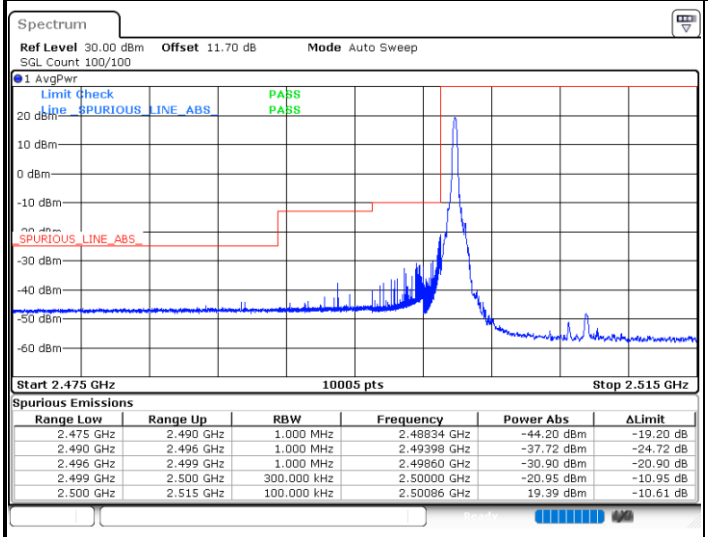
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56749 GHz	2.12 dBm	-27.88 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57006 GHz	-29.21 dBm	-19.21 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-27.01 dBm	-17.01 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57507 GHz	-28.96 dBm	-15.96 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58530 GHz	-39.55 dBm	-14.55 dB

Date: 25.AUG.2022 18:29:39

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

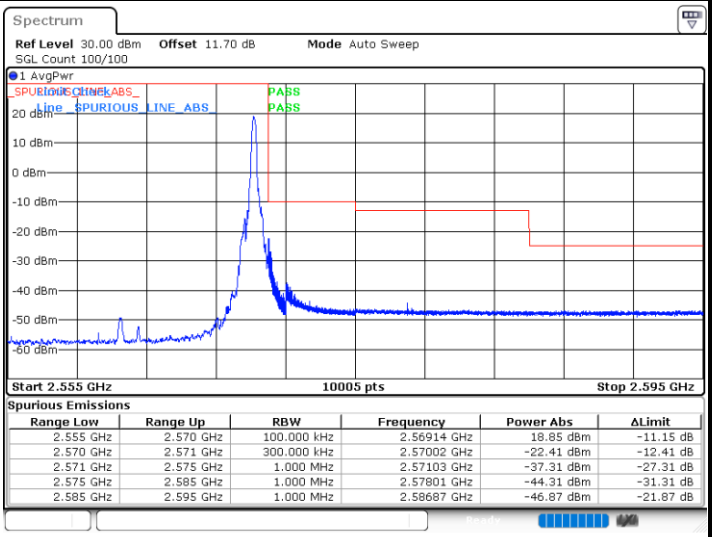


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48834 GHz	-44.20 dBm	-19.20 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49398 GHz	-37.72 dBm	-24.72 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49860 GHz	-30.90 dBm	-20.90 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-20.95 dBm	-10.95 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50086 GHz	19.39 dBm	-10.61 dB

Date: 25.AUG.2022 18:31:57

Highest Band Edge / 1 RB

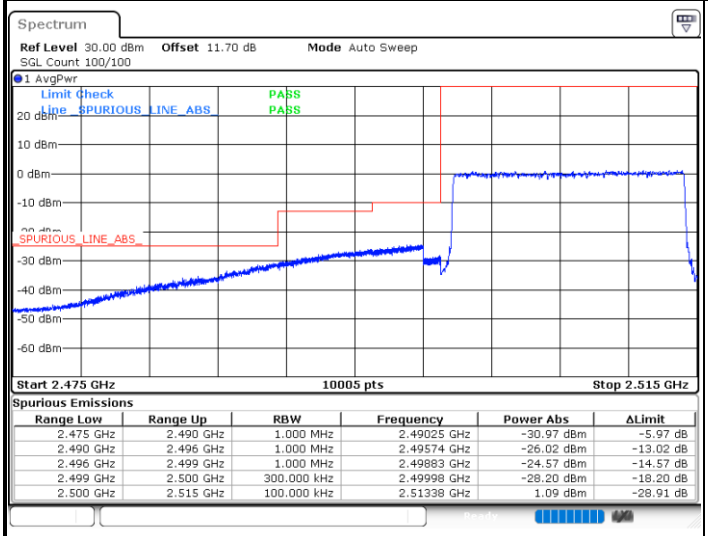


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56914 GHz	18.85 dBm	-11.15 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-22.41 dBm	-12.41 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-37.31 dBm	-27.31 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57801 GHz	-44.31 dBm	-31.31 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58687 GHz	-46.87 dBm	-21.87 dB

Date: 25.AUG.2022 18:34:41

Lowest Band Edge / Full RB

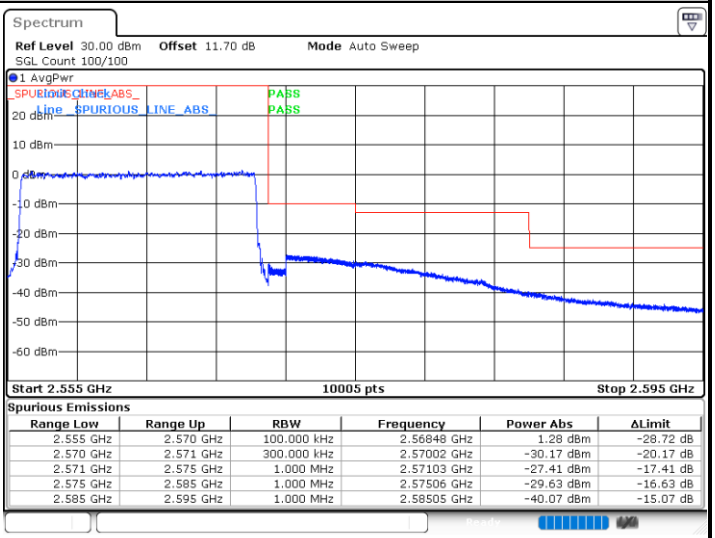


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-30.97 dBm	-5.97 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49574 GHz	-26.02 dBm	-13.02 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49883 GHz	-24.57 dBm	-14.57 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-28.20 dBm	-18.20 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51338 GHz	1.09 dBm	-28.91 dB

Date: 25.AUG.2022 18:32:56

Highest Band Edge / Full RB



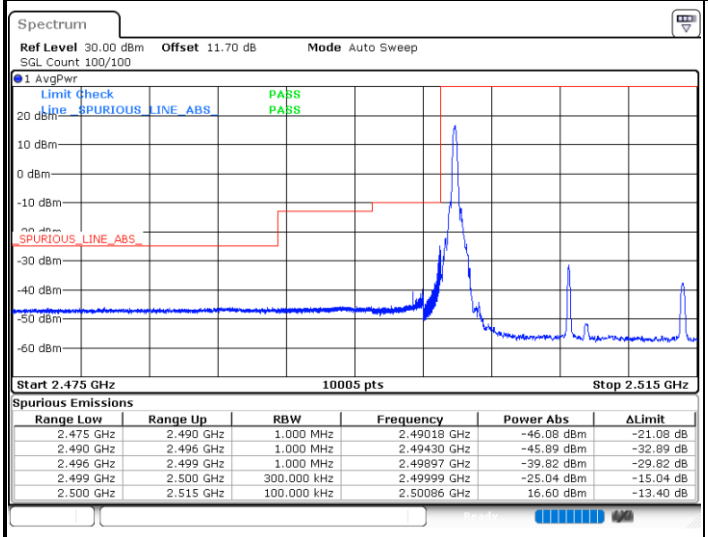
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56848 GHz	1.28 dBm	-28.72 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-30.17 dBm	-20.17 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-27.41 dBm	-17.41 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57506 GHz	-29.63 dBm	-16.63 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-40.07 dBm	-15.07 dB

Date: 25.AUG.2022 18:35:40

LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

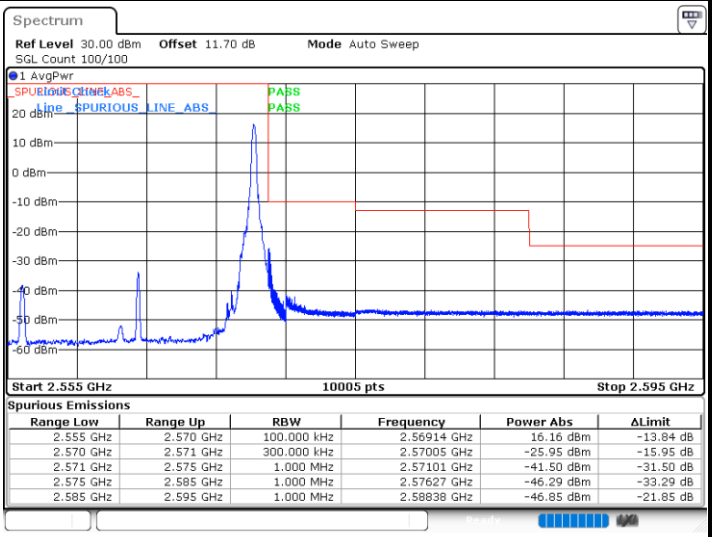


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49018 GHz	-46.08 dBm	-21.08 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49430 GHz	-45.89 dBm	-32.89 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-39.82 dBm	-29.82 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-25.04 dBm	-15.04 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50086 GHz	16.60 dBm	-13.40 dB

Date: 25.AUG.2022 20:01:20

Highest Band Edge / 1 RB

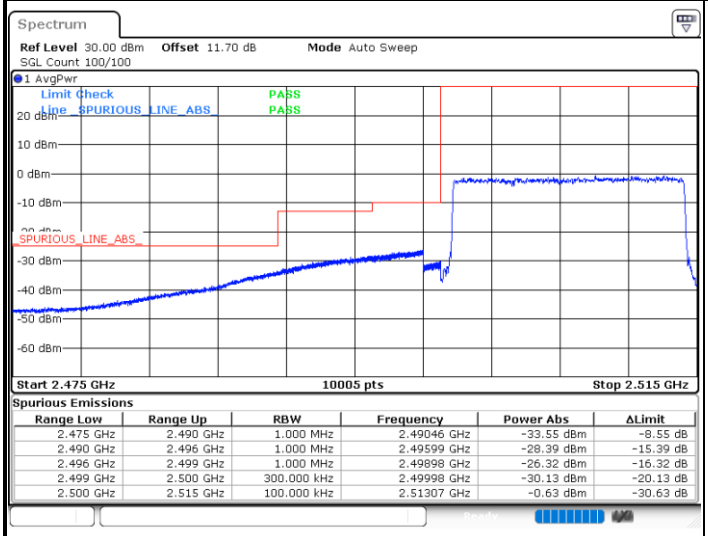


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56914 GHz	16.16 dBm	-13.84 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-25.95 dBm	-15.95 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-41.50 dBm	-31.50 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57627 GHz	-46.29 dBm	-33.29 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58838 GHz	-46.85 dBm	-21.85 dB

Date: 25.AUG.2022 20:04:07

Lowest Band Edge / Full RB

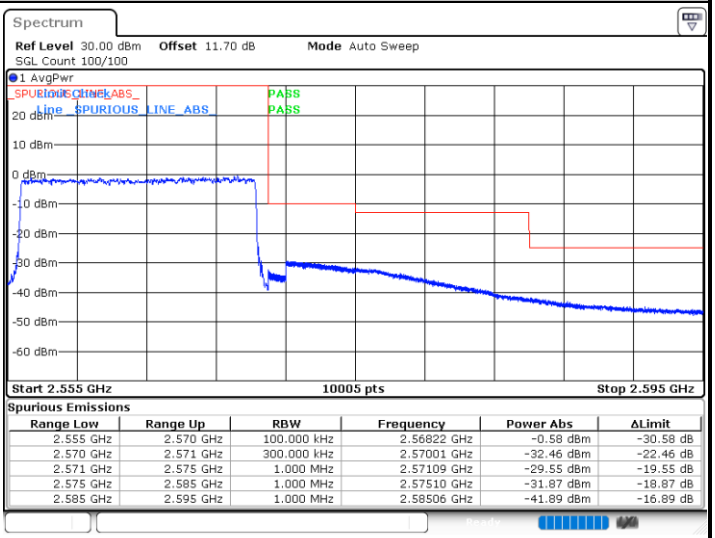


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49046 GHz	-33.55 dBm	-8.55 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-28.39 dBm	-15.39 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-26.32 dBm	-16.32 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-30.13 dBm	-20.13 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51307 GHz	-0.63 dBm	-30.63 dB

Date: 25.AUG.2022 20:02:22

Highest Band Edge / Full RB



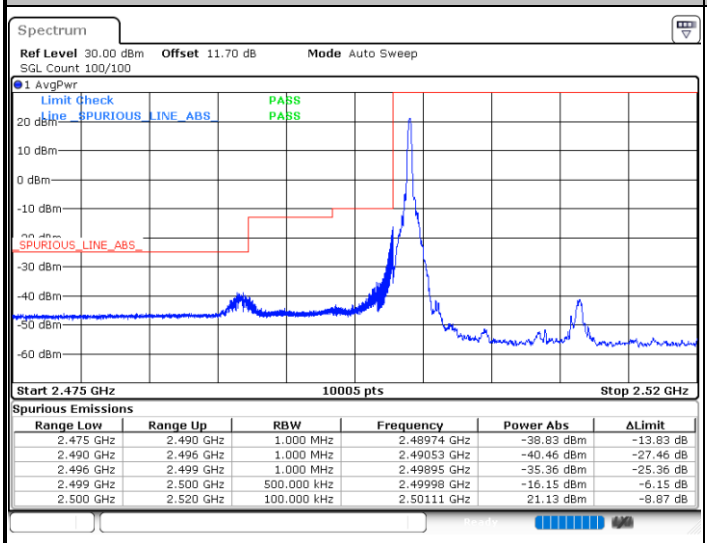
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56822 GHz	-0.58 dBm	-30.58 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-32.46 dBm	-22.46 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-29.55 dBm	-19.55 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57510 GHz	-31.87 dBm	-18.87 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58506 GHz	-41.89 dBm	-16.89 dB

Date: 25.AUG.2022 20:05:09

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

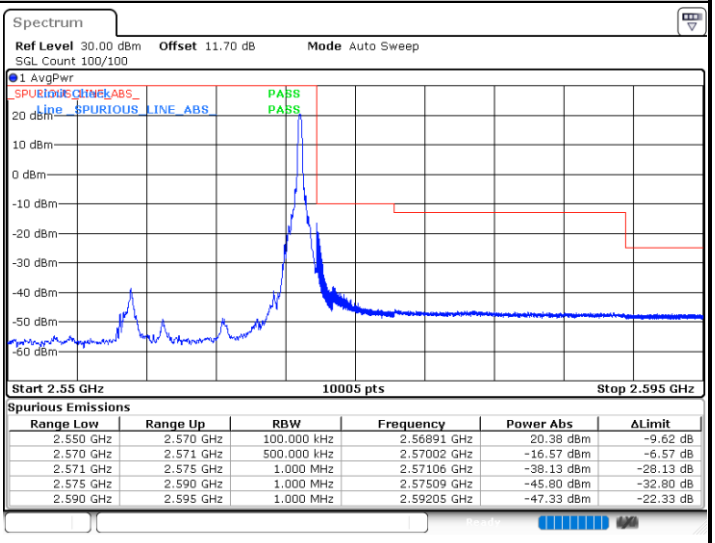


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48974 GHz	-38.83 dBm	-13.83 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49053 GHz	-40.46 dBm	-27.46 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-35.36 dBm	-25.36 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-16.15 dBm	-6.15 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50111 GHz	21.13 dBm	-8.87 dB

Date: 25.AUG.2022 18:37:42

Highest Band Edge / 1 RB

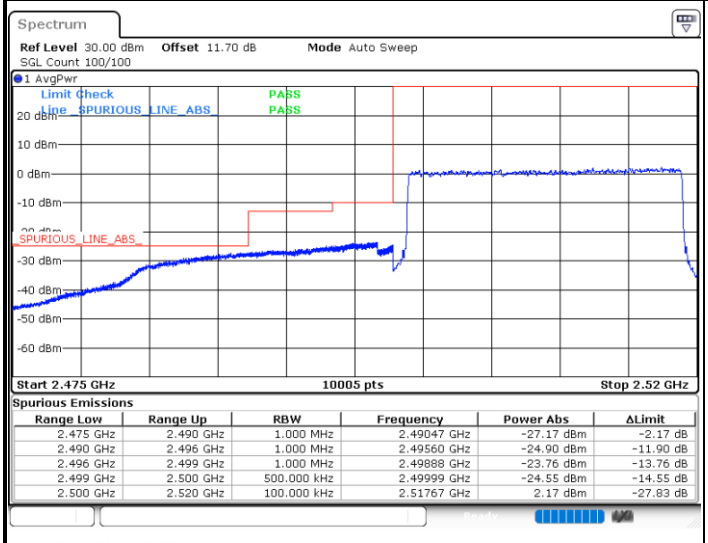


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	20.38 dBm	-9.62 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-16.57 dBm	-6.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-38.13 dBm	-28.13 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57509 GHz	-45.80 dBm	-32.80 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59205 GHz	-47.33 dBm	-22.33 dB

Date: 25.AUG.2022 18:46:09

Lowest Band Edge / Full RB

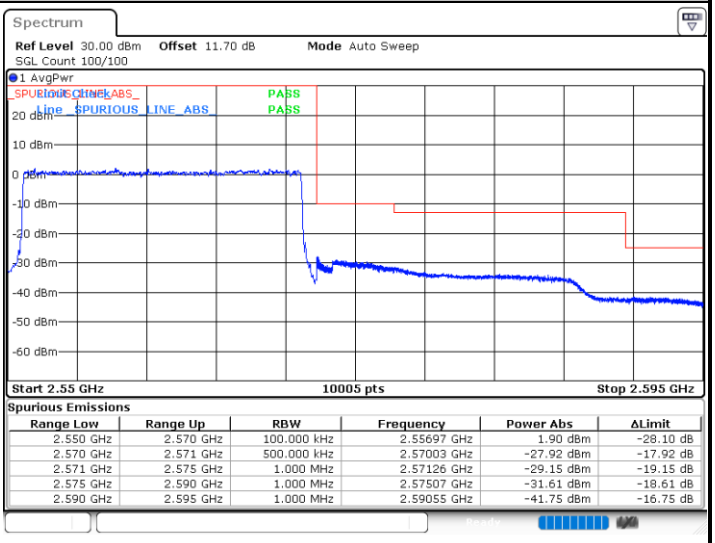


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-27.17 dBm	-2.17 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49560 GHz	-24.90 dBm	-11.90 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-23.76 dBm	-13.76 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-24.55 dBm	-14.55 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51767 GHz	2.17 dBm	-27.83 dB

Date: 25.AUG.2022 18:39:41

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55697 GHz	1.90 dBm	-28.10 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-27.92 dBm	-17.92 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57126 GHz	-29.15 dBm	-19.15 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57507 GHz	-31.61 dBm	-18.61 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59055 GHz	-41.75 dBm	-16.75 dB

Date: 25.AUG.2022 18:49:06