FCC RADIO TEST REPORT

FCC ID	:	**PY7-07452G**
Equipment	:	**GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS, WPC and NFC**
Brand Name	:	**Sony**
Applicant	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan**
Manufacturer	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on Dec. 31, 2020 and testing was started from Feb. 22, 2021 and completed on Mar. 15, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issued Date
FG0D2212B	01	Initial issue of report	Apr. 09, 2021

Summary of Test Result

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

Report Clause	Ref Std. Clause	LTE Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §27.53 (m)(4)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 7) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 41) (Band 66)	Pass	Under limit 18.22 dB at 10683.000 MHz

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

Reviewed by: Wii Chang

Report Producer: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac/ax, NFC, WPC/WPT, and GNSS.

Product Specification subjective to this standard	
Antenna Type	Loop Antenna
Antenna Gain	LTE Band 2 -0.68 dBi LTE Band 4: -2.02 dBi LTE Band 5: -2.07 dBi LTE Band 7: -2.02 dBi LTE Band 12: -4.76 dBi LTE Band 13: -2.48 dBi LTE Band 17: -4.76 dBi LTE Band 25: -0.68 dBi LTE Band 26: -2.07 dBi LTE Band 41: -1.09 dBi LTE Band 66: -2.02 dBi

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

EUT Information List			
HW Version	**SW Version**	**S/N**	**Performed Test Item**
A	0.325	QV72004N5Z	Conducted Measurement
	0.550	QV72004K6T	Radiated Spurious Emission
	0.325	QV72004N5Z	ERP Test

Accessory List	
AC Adapter	Model Name : XQZ-UC1
	S/N: 0020W51300095
Earphone	Model Name : MH750
	S/N : N/A
USB Cable	Model Name : XQZ-UB1
	S/N : N/A

Note:

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report. .
3. For other wireless features of this EUT, test report will be issued separately.

1.2 Modification of EUT

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

1.3 Emission Designator

LTE Band 2		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	-	-	0.0942	-	-	0.0908	-	-	0.0895
3	1851.5 ~ 1908.5	-	-	0.0966	-	-	0.0927	-	-	0.0912
5	1852.5 ~ 1907.5	-	-	0.0968	-	-	0.0912	-	-	0.0897
10	1855.0 ~ 1905.0	-	-	0.0968	-	-	0.0918	-	-	0.0899
15	1857.5 ~ 1902.5	-	-	0.0968	-	-	0.0899	-	-	0.0883
20	1860.0 ~ 1900.0	-	-	0.0971	-	-	0.0902	-	-	0.0871

LTE Band 4		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1710.7~1754.3	-	-	0.0682	-	-	0.0655	-	-	0.0646
3	1711.5~1753.5	-	-	0.0700	-	-	0.0661	-	-	0.0658
5	1712.5~1752.5	-	-	0.0700	-	-	0.0661	-	-	0.0653
10	1715.0~1750.0	-	-	0.0700	-	-	0.0665	-	-	0.0652
15	1717.5~1747.5	-	-	0.0692	-	-	0.0659	-	-	0.0638
20	1720.0~1745.0	-	-	0.0701	-	-	0.0662	-	-	0.0638

LTE Band 5		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7 ~ 848.3	-	-	0.1026	-	-	0.0798	-	-	0.0628
3	825.5 ~ 847.5	-	-	0.1033	-	-	0.0817	-	-	0.0638
5	826.5 ~ 846.5	-	-	0.1040	-	-	0.0822	-	-	0.0646
10	829.0 ~ 844.0	-	-	0.1042	-	-	0.0811	-	-	0.0631

LTE Band 7		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M49G7D	-	0.0608	4M48W7D	-	0.0566	4M48W7D	-	0.0564
10	2505.0 ~ 2565.0	8M99G7D	-	0.0608	9M01W7D	-	0.0570	9M03W7D	-	0.0558
15	2507.5 ~ 2562.5	13M4G7D	-	0.0604	13M4W7D	-	0.0569	13M4W7D	-	0.0553
20	2510.0 ~ 2560.0	18M0G7D	0.0068	0.0610	17M9W7D	-	0.0562	17M9W7D	-	0.0552

LTE Band 12		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	699.7 ~ 715.3	1M09G7D	-	0.0610	1M09W7D	-	0.0480	1M09W7D	-	0.0376
3	700.5 ~ 714.5	2M71G7D	-	0.0618	2M71W7D	-	0.0490	2M73W7D	-	0.0383
5	701.5 ~ 713.5	4M49G7D	-	0.0618	4M48W7D	-	0.0483	4M50W7D	-	0.0377
10	704.0 ~ 711.0	8M99G7D	0.0178	0.0619	9M03W7D	-	0.0488	9M01W7D	-	0.0371
LTE Band 13		**QPSK**			**16QAM**			**64QAM**		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	4M50G7D	-	0.0929	4M48W7D	-	0.0729	4M49W7D	-	0.0571
10	782.0	9M03G7D	0.0113	0.0931	8M97W7D	-	0.0728	8M93W7D	-	0.0569
LTE Band 17		**QPSK**			**16QAM**			**64QAM**		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5~713.5	-	-	0.0600	-	-	0.0474	-	-	0.0370
10	709.0~711.0	-	-	0.0601	-	-	0.0473	-	-	0.0366
LTE Band 25		**QPSK**			**16QAM**			**64QAM**		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	1M09G7D	-	0.0953	1M10W7D	-	0.0910	1M09W7D	-	0.0893
3	1851.5 ~ 1913.5	2M71G7D	-	0.0977	2M75W7D	-	0.0931	2M72W7D	-	0.0918
5	1852.5 ~ 1912.5	4M49G7D	-	0.0977	4M48W7D	-	0.0923	4M48W7D	-	0.0902
10	1855.0 ~ 1910.0	9M01G7D	0.0062	0.0977	8M97W7D	-	0.0920	9M03W7D	-	0.0902
15	1857.5 ~ 1907.5	13M5G7D	-	0.0977	13M4W7D	-	0.0899	13M5W7D	-	0.0893
20	1860.0 ~ 1905.0	17M8G7D	-	0.0979	17M8W7D	-	0.0906	17M9W7D	-	0.0877
LTE Band 26		**QPSK**			**16QAM**			**64QAM**		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7 ~ 848.3	1M09G7D	-	0.0991	1M08W7D	-	0.0782	1M08W7D	-	0.0782
3	825.5 ~ 847.5	2M71G7D	-	0.0991	2M73W7D	-	0.0794	2M72W7D	-	0.0794
5	826.5 ~ 846.5	4M49G7D	-	0.0993	4M48W7D	-	0.0794	4M49W7D	-	0.0624
10	829.0 ~ 844.0	9M07G7D	0.0220	0.0993	8M97W7D	-	0.0789	8M99W7D	-	0.0615
15	831.5 ~ 841.5	13M5G7D	-	0.0995	13M5W7D	-	0.0769	13M5W7D	-	0.0596

LTE Band 41		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	4M50G7D	-	0.0710	4M50W7D	-	0.0653	4M48W7D	-	0.0646
10	2501.0 ~ 2685.0	9M01G7D	0.0048	0.0710	9M03W7D	-	0.0638	9M01W7D	-	0.0650
15	2503.5 ~ 2682.5	13M5G7D	-	0.0698	13M5W7D	-	0.0644	13M5W7D	-	0.0631
20	2506.0 ~ 2680.0	17M8G7D	-	0.0711	17M9W7D	-	0.0632	18M0W7D	-	0.0635
LTE Band 66		QPSK			16QAM			64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1710.7 ~ 1779.3	1M09G7D	-	0.0723	1M09W7D	-	0.0693	1M09W7D	-	0.0682
3	1711.5 ~ 1778.5	2M72G7D	-	0.0735	2M71W7D	-	0.0706	2M73W7D	-	0.0695
5	1712.5 ~ 1777.5	4M48G7D	-	0.0735	4M50W7D	-	0.0695	4M49W7D	-	0.0687
10	1715.0 ~ 1775.0	9M01G7D	0.0053	0.0728	9M01W7D	-	0.0700	8M99W7D	-	0.0682
15	1717.5 ~ 1772.5	13M4G7D	-	0.0731	13M5W7D	-	0.0701	13M5W7D	-	0.0675
20	1720.0 ~ 1770.0	17M9G7D	-	0.0736	17M9W7D	-	0.0705	17M9W7D	-	0.0679

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.**
	TH05-HY
Test Engineer	Luffy Lin
Temperature	23~25℃
Relative Humidity	52~55%

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333101, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No. (TAF Code: 3786)**
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Lance Chiang and Chuan Chu
Temperature	21.8~26.2℃
Relative Humidity	58.7~66.8%
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory

FCC designation No.: TW1190 and TW0007

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X Plane with Accessory for Band 26; Y Plane with Accessory for Band 12, 25, 66; Z Plane with Accessory for Band 7, 41; Z Plane for Band 13) were recorded in this report.

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

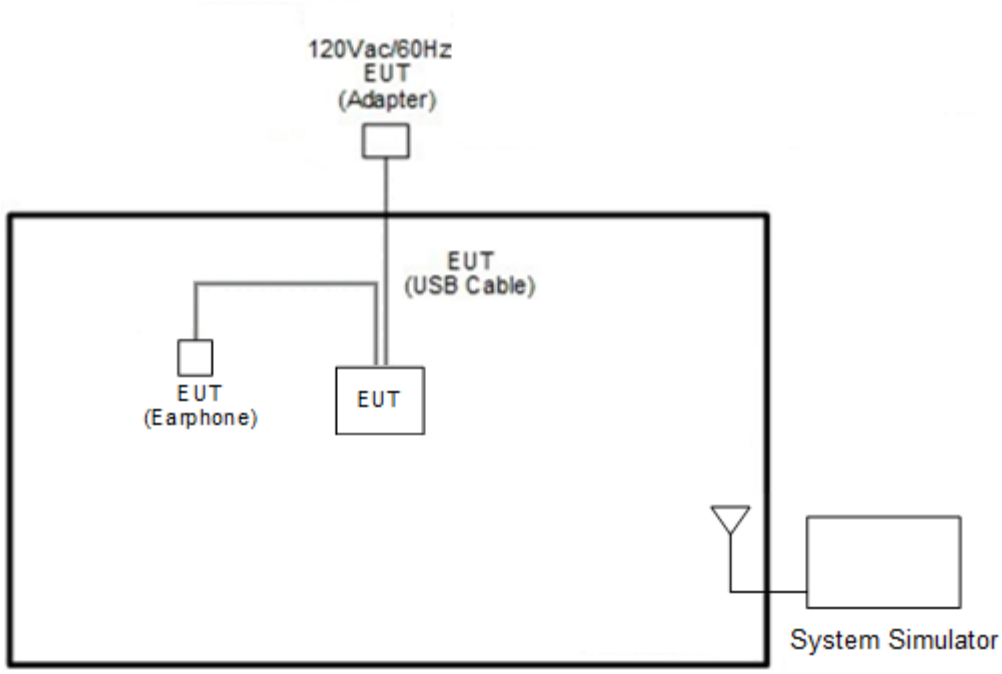
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	Cover by LTE Band 25														
	4	Cover by LTE Band 66														
	5	Cover by LTE Band 26														
	7	-	-	v	v	v	v	v	v	v			v		v	
	12	v	v	v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

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

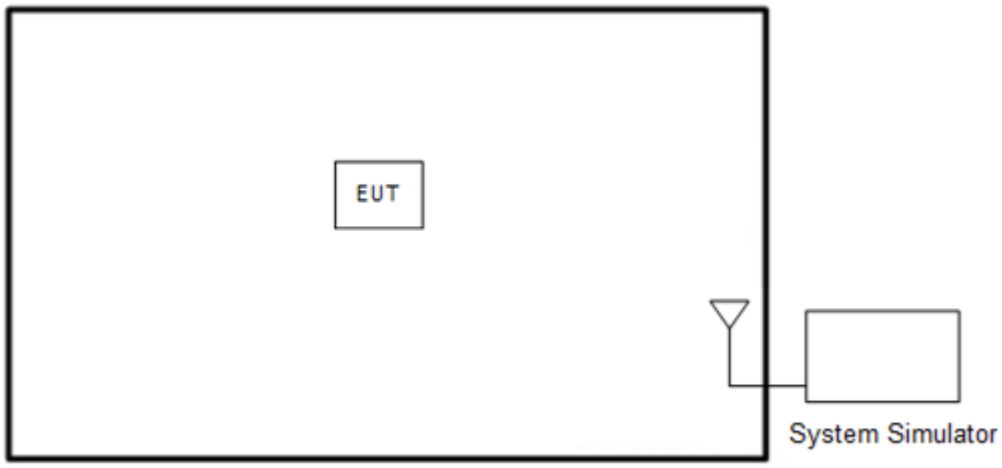
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	Max Power					
	4	v	v	v	v	v	v	v	v	v						
	5	v	v	v	v	-	-	v	v	v						
	7	-	-	v	v	v	v	v	v	v						
	12	v	v	v	v	-	-	v	v	v						
	13	-	-	v	v	-	-	v	v	v						
	17	-	-	v	v	-	-	v	v	v						
	25	v	v	v	v	v	v	v	v	v						
	26	v	v	v	v	v	-	v	v	v						
	38	-	-	v	v	v	v	v	v	v						
	41	-	-	v	v	v	v	v	v	v						
	66	v	v	v	v	v	v	v	v	v						
Radiated Spurious Emission	2	Cover by LTE Band 25												v	v	v
	4	Cover by LTE Band 66												v	v	v
	5	Cover by LTE Band 26												v	v	v
	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
	17	Cover by LTE Band 12												v	v	v
	25	Worst Case												v	v	v
	26	Worst Case												v	v	v
	41	Worst Case												v	v	v
	66	Worst Case												v	v	v
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Wider operating range bandwidth and modulation the same covers narrower one when the power is higher or the same. 5. We have evaluated simultaneous transmissions modes and determined no new significant emissions are observed. 6. Since the output power worst case in other WWAN function, after assessing, WPC charging mode test data will be issued in other report.															

2.2 Connection Diagram of Test System

<EUT With Accessory>



<EUT Without Accessory>



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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	1860.0	1880.0	1900.0
15	Channel	18675	18900	19125
	Frequency	1857.5	1880.0	1902.5
10	Channel	18650	18900	19150
	Frequency	1855.0	1880.0	1905.0
5	Channel	18625	18900	19175
	Frequency	1852.5	1880.0	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880.0	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880.0	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	20050	20175	20300
	Frequency	1720.0	1732.5	1745.0
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715.0	1732.5	1750.0
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	829.0	836.5	844.0
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	2510.0	2535.0	2560.0
15	Channel	20825	21100	21375
	Frequency	2507.5	2535.0	2562.5
10	Channel	20800	21100	21400
	Frequency	2505.0	2535.0	2565.0
5	Channel	20775	21100	21425
	Frequency	2502.5	2535.0	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	23060	23095	23130
	Frequency	704.0	707.5	711.0
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	-	782.0	-
5	Channel	23205	23230	23255
	Frequency	779.5	782.0	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	23780	23790	23800
	Frequency	709.0	710.0	711.0
5	Channel	23755	23790	23825
	Frequency	706.5	710.0	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	26140	26340	26590
	Frequency	1860.0	1880.0	1905.0
15	Channel	26115	26340	26615
	Frequency	1857.5	1880.0	1907.5
10	Channel	26090	26340	26640
	Frequency	1855.0	1880.0	1910.0
5	Channel	26065	26340	26665
	Frequency	1852.5	1880.0	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880.0	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880.0	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 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

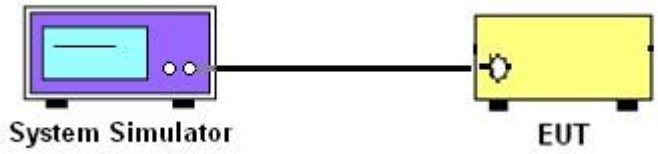
3 Conducted Test Items

3.1 Measuring Instruments

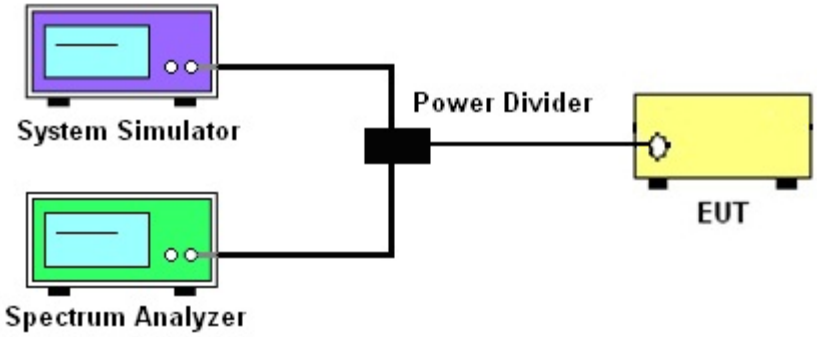
See list of measuring instruments of this test report.

3.1.1 Test Setup

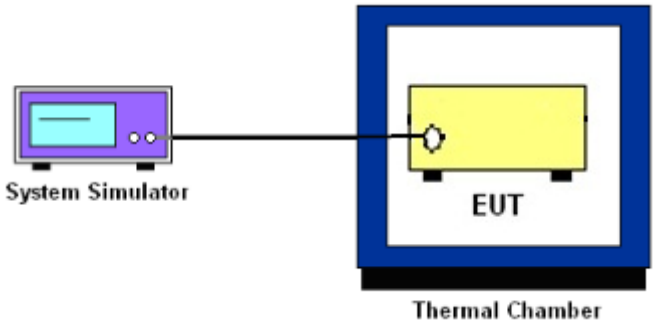
3.1.2 Conducted Output Power



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

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

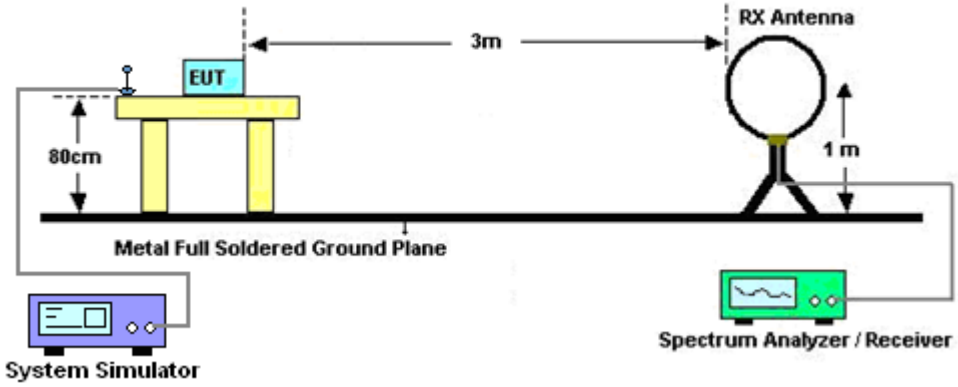
4 Radiated Test Items

4.1 Measuring Instruments

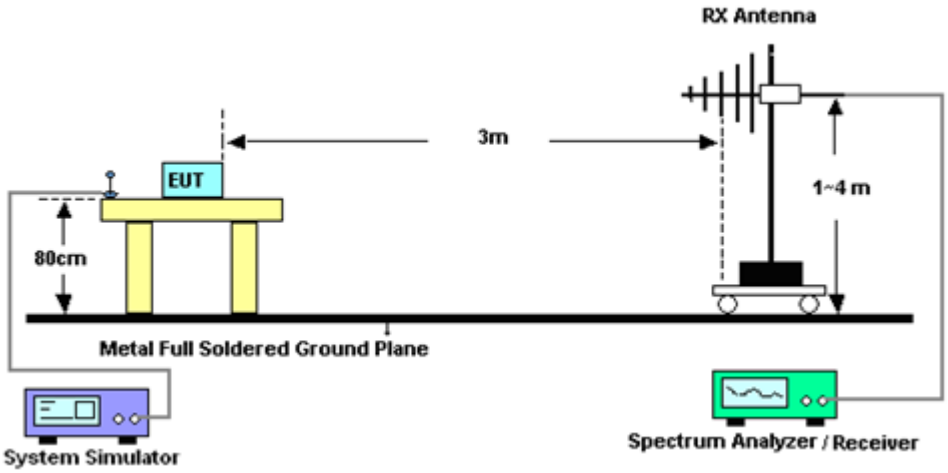
See list of measuring instruments of this test report.

4.1.1 Test Setup

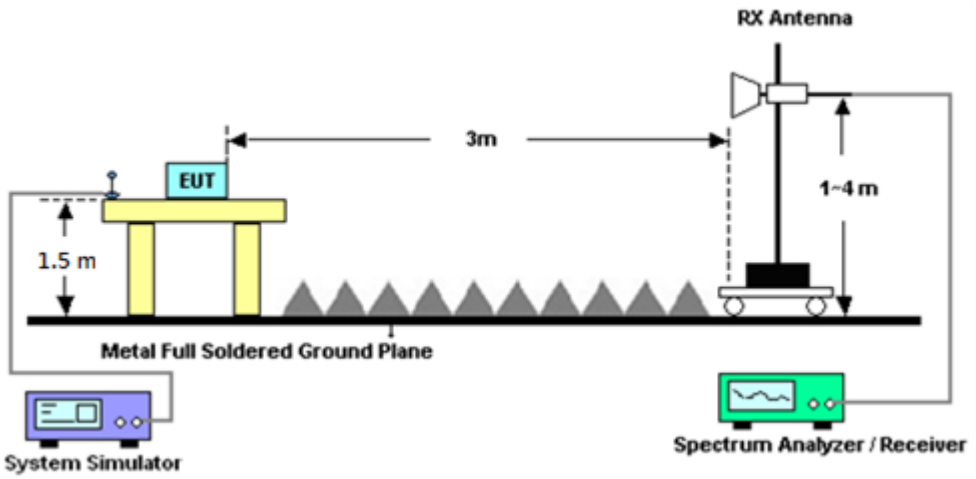
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



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 a comparison data 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, Band 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, Band 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Mar. 12, 2021~ Mar. 15, 2021	Jan. 03, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 29, 2020	Mar. 12, 2021~ Mar. 15, 2021	Apr. 28, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Mar. 12, 2021~ Mar. 15, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 20, 2020	Mar. 12, 2021~ Mar. 15, 2021	May 19, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Dec. 19, 2020	Mar. 12, 2021~ Mar. 15, 2021	Dec. 18, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 22, 2019	Mar. 12, 2021~ Mar. 15, 2021	May 21, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2020	Mar. 12, 2021~ Mar. 15, 2021	Mar. 24, 2021	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Mar. 12, 2021~ Mar. 15, 2021	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 05, 2020	Mar. 12, 2021~ Mar. 15, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Mar. 12, 2021~ Mar. 15, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Mar. 12, 2021~ Mar. 15, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
Signal Generator	Rohde & Schwarz	SMB100A	101107	100kHz~40GHz	Dec. 04, 2020	Mar. 12, 2021~ Mar. 15, 2021	Dec. 03, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 12, 2021~ Mar. 15, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Mar. 12, 2021~ Mar. 15, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Mar. 12, 2021~ Mar. 15, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Mar. 12, 2021~ Mar. 15, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60SS	SN1	1.2GHz High Pass Filter	Mar. 18, 2020	Mar. 12, 2021~ Mar. 15, 2021	Mar. 17, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Mar. 12, 2021~ Mar. 15, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 12, 2021~ Mar. 15, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 12, 2021~ Mar. 15, 2021	N/A	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 12, 2021~ Mar. 15, 2021	N/A	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP140349	N/A	Oct. 02, 2020	Mar. 12, 2021~ Mar. 15, 2021	Oct. 01, 2021	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Mar. 12, 2021~ Mar. 15, 2021	N/A	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass Filter	Mar. 21, 2020	Mar. 12, 2021~ Mar. 15, 2021	Mar. 20, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Mar. 12, 2021~ Mar. 15, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 18, 2020	Mar. 12, 2021~ Mar. 15, 2021	Mar. 17, 2021	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station (Measure)	Anritsu	MT8821C	6262002534 1	N/A	Oct. 06, 2020	Feb. 22, 2021~ Feb. 26, 2021	Oct. 05, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 27, 2020	Feb. 22, 2021~ Feb. 26, 2021	Nov. 26, 2021	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 14, 2020	Feb. 22, 2021~ Feb. 26, 2021	Sep. 13, 2021	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 05, 2020	Feb. 22, 2021~ Feb. 26, 2021	Oct. 04, 2021	Conducted (TH05-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 09, 2021	Feb. 22, 2021~ Feb. 26, 2021	Jan. 08, 2022	Conducted (TH05-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))	**3.07**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.21**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.80**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.37	20.31	20.33	19.87	0.0971
20	1	49		20.29	20.25	20.28		
20	1	99		20.21	20.27	20.32		
20	50	0		20.41	20.34	20.37		
20	50	24		20.49	20.46	20.48		
20	50	50		20.47	20.45	20.55		
20	100	0		20.50	20.42	20.40		
20	1	0	16-QAM	20.23	20.13	20.21	19.55	0.0902
20	1	49		20.19	20.10	20.17		
20	1	99		20.09	20.09	20.16		
20	50	0		19.94	19.85	19.90		
20	50	24		20.02	19.96	19.99		
20	50	50		20.00	19.96	20.00		
20	100	0		20.01	19.92	19.92		
20	1	0	64-QAM	20.07	19.97	20.07	19.40	0.0871
20	1	49		20.07	19.99	20.03		
20	1	99		20.01	20.00	20.08		
20	50	0		19.97	19.87	19.93		
20	50	24		20.04	19.99	20.05		
20	50	50		20.03	19.99	20.03		
20	100	0		20.02	19.98	19.93		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.37	20.34	20.37	19.86	0.0968
15	1	37		20.36	20.30	20.38		
15	1	74		20.34	20.35	20.38		
15	36	0		20.50	20.35	20.42		
15	36	20		20.52	20.46	20.50		
15	36	39		20.52	20.47	20.54		
15	75	0		20.50	20.45	20.44		
15	1	0	16-QAM	20.17	20.15	20.22	19.54	0.0899
15	1	37		20.18	20.14	20.22		
15	1	74		20.15	20.13	20.18		
15	36	0		20.01	19.85	19.91		
15	36	20		19.99	19.98	20.04		
15	36	39		20.00	19.97	20.05		
15	75	0		20.02	19.97	19.95		
15	1	0	64-QAM	20.06	20.03	20.09	19.46	0.0883
15	1	37		20.12	20.09	20.14		
15	1	74		20.13	20.07	20.12		
15	36	0		20.06	19.90	19.98		
15	36	20		20.08	20.00	20.07		
15	36	39		20.10	20.01	20.06		
15	75	0		20.04	19.97	19.94		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.38	20.27	20.37	19.86	0.0968
10	1	25		20.37	20.27	20.33		
10	1	49		20.35	20.32	20.39		
10	25	0		20.50	20.34	20.38		
10	25	12		20.54	20.45	20.46		
10	25	25		20.53	20.48	20.54		
10	50	0		20.53	20.48	20.45		
10	1	0	16-QAM	20.31	20.20	20.25	19.63	0.0918
10	1	25		20.27	20.22	20.27		
10	1	49		20.27	20.26	20.24		
10	25	0		20.01	19.88	19.91		
10	25	12		20.03	20.01	19.95		
10	25	25		19.99	19.99	20.02		
10	50	0		20.04	19.97	19.97		
10	1	0	64-QAM	20.22	20.08	20.12	19.54	0.0899
10	1	25		20.19	20.14	20.19		
10	1	49		20.17	20.11	20.18		
10	25	0		20.05	19.90	19.96		
10	25	12		20.11	20.01	20.01		
10	25	25		20.08	20.03	20.08		
10	50	0		20.09	20.03	20.02		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.40	20.25	20.37	19.86	0.0968
5	1	12		20.45	20.37	20.43		
5	1	24		20.41	20.41	20.44		
5	12	0		20.50	20.37	20.46		
5	12	7		20.54	20.47	20.51		
5	12	13		20.51	20.45	20.51		
5	25	0		20.51	20.44	20.49		
5	1	0	16-QAM	20.24	20.10	20.24	19.6	0.0912
5	1	12		20.26	20.21	20.23		
5	1	24		20.27	20.26	20.28		
5	12	0		20.02	19.91	20.00		
5	12	7		20.08	20.02	20.05		
5	12	13		20.02	20.01	20.03		
5	25	0		20.03	19.98	20.02		
5	1	0	64-QAM	20.21	20.10	20.17	19.53	0.0897
5	1	12		20.18	20.09	20.19		
5	1	24		20.19	20.17	20.18		
5	12	0		20.08	19.95	20.06		
5	12	7		20.13	20.07	20.14		
5	12	13		20.09	20.03	20.08		
5	25	0		20.05	20.00	20.06		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	20.41	20.34	20.35	19.85	0.0966
3	1	8		20.48	20.40	20.45		
3	1	14		20.45	20.37	20.41		
3	8	0		20.51	20.42	20.48		
3	8	4		20.53	20.49	20.52		
3	8	7		20.52	20.45	20.49		
3	15	0		20.50	20.44	20.49		
3	1	0	16-QAM	20.23	20.16	20.18	19.67	0.0927
3	1	8		20.35	20.28	20.29		
3	1	14		20.26	20.20	20.25		
3	8	0		20.08	20.00	20.05		
3	8	4		20.13	20.02	20.07		
3	8	7		20.11	20.03	20.03		
3	15	0		20.05	20.00	19.99		
3	1	0	64-QAM	20.19	20.11	20.16	19.60	0.0912
3	1	8		20.28	20.18	20.24		
3	1	14		20.21	20.13	20.18		
3	8	0		20.12	20.03	20.05		
3	8	4		20.15	20.08	20.07		
3	8	7		20.11	20.05	20.09		
3	15	0		20.07	20.02	20.02		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	20.34	20.23	20.33	19.74	0.0942
1.4	1	3		20.40	20.31	20.38		
1.4	1	5		20.36	20.25	20.30		
1.4	3	0		20.37	20.32	20.34		
1.4	3	1		20.40	20.36	20.39		
1.4	3	3		20.36	20.31	20.36		
1.4	6	0		20.41	20.38	20.42		
1.4	1	0	16-QAM	20.17	20.10	20.14	19.58	0.0908
1.4	1	3		20.26	20.18	20.23		
1.4	1	5		20.20	20.11	20.15		
1.4	3	0		19.96	19.91	19.94		
1.4	3	1		20.00	19.96	19.98		
1.4	3	3		19.95	19.88	19.89		
1.4	6	0		20.01	19.95	19.98		
1.4	1	0	64-QAM	20.17	20.05	20.08	19.52	0.0895
1.4	1	3		20.20	20.10	20.18		
1.4	1	5		20.10	20.03	20.09		
1.4	3	0		20.11	20.02	20.07		
1.4	3	1		20.14	20.08	20.11		
1.4	3	3		20.11	20.01	20.07		
1.4	6	0		19.99	19.92	19.93		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.44	20.33	20.35	19.91	0.0979
20	1	49		20.36	20.27	20.34		
20	1	99		20.27	20.31	20.33		
20	50	0		20.49	20.42	20.42		
20	50	24		20.54	20.48	20.53		
20	50	50		20.47	20.44	20.59		
20	100	0		20.54	20.44	20.44		
20	1	0	16-QAM	20.25	20.16	20.23	19.57	0.0906
20	1	49		20.20	20.15	20.18		
20	1	99		20.14	20.11	20.16		
20	50	0		20.00	19.91	19.95		
20	50	24		20.05	19.98	20.03		
20	50	50		19.99	19.96	20.02		
20	100	0		20.04	19.95	19.95		
20	1	0	64-QAM	20.09	20.01	20.05	19.43	0.0877
20	1	49		20.07	20.01	20.11		
20	1	99		20.03	20.02	20.08		
20	50	0		20.03	19.93	19.97		
20	50	24		20.06	20.00	20.06		
20	50	50		19.99	19.96	20.01		
20	100	0		20.03	19.97	19.97		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.46	20.38	20.39	19.90	0.0977
15	1	37		20.40	20.36	20.40		
15	1	74		20.35	20.38	20.39		
15	36	0		20.58	20.45	20.44		
15	36	20		20.54	20.47	20.55		
15	36	39		20.50	20.46	20.49		
15	75	0		20.53	20.47	20.45		
15	1	0	16-QAM	20.22	20.18	20.21	19.54	0.0899
15	1	37		20.20	20.16	20.21		
15	1	74		20.19	20.14	20.20		
15	36	0		20.08	19.94	19.98		
15	36	20		20.04	20.00	20.04		
15	36	39		19.98	19.96	20.00		
15	75	0		20.04	19.99	19.98		
15	1	0	64-QAM	20.13	20.04	20.06	19.51	0.0893
15	1	37		20.13	20.13	20.19		
15	1	74		20.09	20.05	20.14		
15	36	0		20.11	19.97	19.99		
15	36	20		20.07	20.00	20.05		
15	36	39		20.02	19.97	20.04		
15	75	0		20.05	19.99	19.96		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.43	20.36	20.40	19.90	0.0977
10	1	25		20.40	20.35	20.40		
10	1	49		20.42	20.34	20.45		
10	25	0		20.54	20.47	20.46		
10	25	12		20.57	20.49	20.49		
10	25	25		20.58	20.51	20.58		
10	50	0		20.57	20.52	20.50		
10	1	0	16-QAM	20.29	20.21	20.23	19.64	0.0920
10	1	25		20.30	20.24	20.31		
10	1	49		20.27	20.25	20.32		
10	25	0		20.06	20.01	19.95		
10	25	12		20.07	20.04	19.99		
10	25	25		20.02	20.00	20.01		
10	50	0		20.05	19.99	19.98		
10	1	0	64-QAM	20.23	20.02	20.12	19.55	0.0902
10	1	25		20.21	20.14	20.22		
10	1	49		20.13	20.13	20.22		
10	25	0		20.06	20.00	19.96		
10	25	12		20.11	20.02	20.02		
10	25	25		20.05	20.01	20.08		
10	50	0		20.11	20.05	19.99		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.42	20.32	20.45	19.90	0.0977
5	1	12		20.49	20.42	20.52		
5	1	24		20.45	20.39	20.47		
5	12	0		20.49	20.41	20.50		
5	12	7		20.58	20.51	20.58		
5	12	13		20.55	20.52	20.54		
5	25	0		20.54	20.45	20.56		
5	1	0	16-QAM	20.26	20.14	20.28	19.65	0.0923
5	1	12		20.28	20.25	20.29		
5	1	24		20.28	20.26	20.33		
5	12	0		20.04	19.97	19.99		
5	12	7		20.08	20.04	20.09		
5	12	13		20.11	20.05	20.07		
5	25	0		20.05	20.00	20.03		
5	1	0	64-QAM	20.23	20.10	20.20	19.55	0.0902
5	1	12		20.17	20.11	20.19		
5	1	24		20.18	20.14	20.19		
5	12	0		20.08	19.99	20.07		
5	12	7		20.13	20.09	20.11		
5	12	13		20.11	20.07	20.11		
5	25	0		20.04	19.98	20.07		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	20.39	20.31	20.40	19.90	0.0977
3	1	8		20.52	20.45	20.53		
3	1	14		20.51	20.45	20.48		
3	8	0		20.51	20.42	20.44		
3	8	4		20.57	20.50	20.55		
3	8	7		20.58	20.49	20.54		
3	15	0		20.57	20.46	20.54		
3	1	0	16-QAM	20.24	20.15	20.21	19.69	0.0931
3	1	8		20.37	20.30	20.37		
3	1	14		20.34	20.28	20.31		
3	8	0		20.07	19.97	20.07		
3	8	4		20.16	20.07	20.13		
3	8	7		20.14	20.07	20.15		
3	15	0		20.10	20.01	20.06		
3	1	0	64-QAM	20.16	20.05	20.14	19.63	0.0918
3	1	8		20.31	20.22	20.29		
3	1	14		20.25	20.21	20.24		
3	8	0		20.07	19.99	20.02		
3	8	4		20.14	20.04	20.09		
3	8	7		20.13	20.04	20.10		
3	15	0		20.08	20.00	20.04		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	20.34	20.26	20.33	19.79	0.0953
1.4	1	3		20.43	20.37	20.41		
1.4	1	5		20.38	20.33	20.39		
1.4	3	0		20.38	20.32	20.34		
1.4	3	1		20.45	20.36	20.41		
1.4	3	3		20.40	20.33	20.39		
1.4	6	0		20.47	20.40	20.44		
1.4	1	0	16-QAM	20.14	20.06	20.13	19.59	0.0910
1.4	1	3		20.26	20.18	20.27		
1.4	1	5		20.21	20.14	20.22		
1.4	3	0		19.96	19.89	19.94		
1.4	3	1		20.03	19.96	20.02		
1.4	3	3		20.00	19.94	19.97		
1.4	6	0		20.04	19.95	20.02		
1.4	1	0	64-QAM	20.10	20.02	20.05	19.51	0.0893
1.4	1	3		20.19	20.13	20.16		
1.4	1	5		20.13	20.06	20.11		
1.4	3	0		20.05	19.99	20.04		
1.4	3	1		20.15	20.07	20.11		
1.4	3	3		20.10	20.04	20.11		
1.4	6	0		19.98	19.90	19.95		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.31	20.29	20.38	18.46	0.0701
20	1	49		20.16	20.20	20.21		
20	1	99		20.20	20.16	20.21		
20	50	0		20.33	20.41	20.41		
20	50	24		20.36	20.35	20.48		
20	50	50		20.31	20.31	20.34		
20	100	0		20.32	20.36	20.33		
20	1	0	16-QAM	20.18	20.11	20.23	18.21	0.0662
20	1	49		20.01	20.07	20.09		
20	1	99		20.09	20.03	20.05		
20	50	0		19.85	19.92	19.94		
20	50	24		19.86	19.85	19.95		
20	50	50		19.81	19.87	19.87		
20	100	0		19.83	19.86	19.85		
20	1	0	64-QAM	19.99	20.05	20.07	18.05	0.0638
20	1	49		19.88	19.95	19.94		
20	1	99		20.01	19.98	19.95		
20	50	0		19.89	19.95	19.96		
20	50	24		19.90	19.89	19.98		
20	50	50		19.81	19.88	19.89		
20	100	0		19.93	19.90	19.88		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.34	20.38	20.42	18.40	0.0692
15	1	37		20.17	20.23	20.24		
15	1	74		20.17	20.23	20.25		
15	36	0		20.31	20.41	20.42		
15	36	20		20.37	20.37	20.41		
15	36	39		20.32	20.37	20.38		
15	75	0		20.35	20.37	20.35		
15	1	0	16-QAM	20.11	20.21	20.20	18.19	0.0659
15	1	37		20.00	20.06	20.08		
15	1	74		20.00	20.06	20.05		
15	36	0		19.84	19.90	19.94		
15	36	20		19.85	19.85	19.95		
15	36	39		19.81	19.88	19.90		
15	75	0		19.86	19.87	19.87		
15	1	0	64-QAM	19.99	20.07	20.07	18.05	0.0638
15	1	37		19.94	19.99	20.03		
15	1	74		19.90	19.97	19.99		
15	36	0		19.85	20.00	19.98		
15	36	20		19.87	19.92	19.99		
15	36	39		19.84	19.92	19.94		
15	75	0		19.88	19.91	19.89		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.27	20.32	20.34	18.45	0.0700
10	1	25		20.18	20.30	20.31		
10	1	49		20.20	20.27	20.31		
10	25	0		20.33	20.34	20.36		
10	25	12		20.34	20.40	20.39		
10	25	25		20.36	20.46	20.47		
10	50	0		20.39	20.39	20.42		
10	1	0	16-QAM	20.13	20.18	20.23	18.23	0.0665
10	1	25		20.06	20.22	20.25		
10	1	49		20.08	20.17	20.21		
10	25	0		19.86	19.87	19.91		
10	25	12		19.88	19.88	19.93		
10	25	25		19.88	19.91	19.99		
10	50	0		19.88	19.88	19.93		
10	1	0	64-QAM	20.02	20.04	20.03	18.14	0.0652
10	1	25		20.02	20.15	20.15		
10	1	49		19.97	20.10	20.16		
10	25	0		19.87	19.92	19.95		
10	25	12		19.94	19.97	19.96		
10	25	25		19.90	20.03	20.04		
10	50	0		19.96	19.93	19.94		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.26	20.25	20.32	18.45	0.0700
5	1	12		20.30	20.39	20.41		
5	1	24		20.31	20.36	20.37		
5	12	0		20.38	20.37	20.44		
5	12	7		20.37	20.45	20.47		
5	12	13		20.37	20.47	20.46		
5	25	0		20.37	20.38	20.43		
5	1	0	16-QAM	20.06	20.10	20.15	18.20	0.0661
5	1	12		20.12	20.12	20.15		
5	1	24		20.12	20.22	20.21		
5	12	0		19.87	19.89	19.98		
5	12	7		19.91	19.98	20.01		
5	12	13		19.91	19.97	19.99		
5	25	0		19.87	19.88	19.99		
5	1	0	64-QAM	20.03	20.03	20.17	18.15	0.0653
5	1	12		20.01	20.07	20.06		
5	1	24		20.07	20.12	20.04		
5	12	0		19.93	19.96	20.04		
5	12	7		19.99	20.07	20.09		
5	12	13		19.93	20.04	20.05		
5	25	0		19.91	19.92	19.99		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	20.26	20.25	20.34	18.45	0.0700
3	1	8		20.31	20.40	20.39		
3	1	14		20.27	20.34	20.35		
3	8	0		20.37	20.36	20.42		
3	8	4		20.38	20.47	20.47		
3	8	7		20.37	20.45	20.41		
3	15	0		20.36	20.38	20.44		
3	1	0	16-QAM	20.12	20.11	20.16	18.20	0.0661
3	1	8		20.17	20.20	20.22		
3	1	14		20.12	20.18	20.20		
3	8	0		19.91	19.93	19.97		
3	8	4		19.98	20.06	20.02		
3	8	7		19.92	20.03	19.97		
3	15	0		19.89	19.94	19.98		
3	1	0	64-QAM	20.05	20.04	20.08	18.18	0.0658
3	1	8		20.11	20.20	20.18		
3	1	14		20.09	20.15	20.10		
3	8	0		19.94	19.98	20.03		
3	8	4		19.98	20.08	20.05		
3	8	7		19.92	20.06	20.05		
3	15	0		19.93	19.93	19.98		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	20.19	20.24	20.25	18.34	0.0682
1.4	1	3		20.30	20.36	20.34		
1.4	1	5		20.23	20.24	20.28		
1.4	3	0		20.23	20.23	20.26		
1.4	3	1		20.26	20.32	20.32		
1.4	3	3		20.20	20.27	20.28		
1.4	6	0		20.31	20.31	20.36		
1.4	1	0	16-QAM	20.03	20.04	20.07	18.16	0.0655
1.4	1	3		20.09	20.15	20.18		
1.4	1	5		20.07	20.12	20.13		
1.4	3	0		19.86	19.81	19.90		
1.4	3	1		19.88	19.92	19.93		
1.4	3	3		19.80	19.87	19.87		
1.4	6	0		19.88	19.89	19.96		
1.4	1	0	64-QAM	19.99	19.99	20.06	18.10	0.0646
1.4	1	3		20.04	20.12	20.10		
1.4	1	5		19.96	20.02	20.03		
1.4	3	0		19.98	19.98	20.02		
1.4	3	1		20.02	20.09	20.06		
1.4	3	3		19.98	20.04	20.02		
1.4	6	0		19.83	19.87	19.92		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.40	24.27	24.27	20.18	0.1042
10	1	25		24.20	24.22	24.29		
10	1	49		24.24	24.28	24.23		
10	25	0		23.34	23.35	23.37		
10	25	12		23.43	23.36	23.40		
10	25	25		23.39	23.37	23.41		
10	50	0		23.40	23.41	23.36		
10	1	0	16-QAM	23.30	23.31	23.27	19.09	0.0811
10	1	25		23.25	23.27	23.28		
10	1	49		23.28	23.31	23.22		
10	25	0		21.93	21.96	22.00		
10	25	12		22.03	21.98	22.02		
10	25	25		21.98	21.98	22.04		
10	50	0		22.00	22.04	22.00		
10	1	0	64-QAM	22.20	22.10	22.15	18.00	0.0631
10	1	25		22.19	22.22	22.21		
10	1	49		22.20	21.86	21.86		
10	25	0		21.00	21.00	21.03		
10	25	12		21.09	21.00	21.06		
10	25	25		21.00	21.04	21.01		
10	50	0		21.04	21.09	21.01		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.39	24.33	24.34	20.17	0.1040
5	1	12		24.33	24.36	24.36		
5	1	24		24.25	24.29	24.20		
5	12	0		23.44	23.37	23.40		
5	12	7		23.39	23.43	23.37		
5	12	13		23.34	23.38	23.34		
5	25	0		23.38	23.41	23.35		
5	1	0	16-QAM	23.37	23.30	23.28	19.15	0.0822
5	1	12		23.31	23.27	23.24		
5	1	24		23.26	23.24	23.20		
5	12	0		22.07	22.02	22.02		
5	12	7		22.04	22.08	22.01		
5	12	13		21.97	22.00	21.99		
5	25	0		22.02	22.05	21.98		
5	1	0	64-QAM	22.32	22.25	22.23	18.10	0.0646
5	1	12		22.19	22.21	21.96		
5	1	24		22.21	22.04	21.74		
5	12	0		21.12	21.08	21.00		
5	12	7		21.08	21.10	20.87		
5	12	13		20.99	21.02	20.84		
5	25	0		21.04	21.04	20.90		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.35	24.28	24.31	20.14	0.1033
3	1	8		24.36	24.33	24.35		
3	1	14		24.23	24.24	24.22		
3	8	0		23.41	23.37	23.34		
3	8	4		23.41	23.40	23.40		
3	8	7		23.35	23.35	23.34		
3	15	0		23.38	23.40	23.31		
3	1	0	16-QAM	23.33	23.23	23.22	19.12	0.0817
3	1	8		23.34	23.32	23.28		
3	1	14		23.21	23.21	23.17		
3	8	0		22.07	21.99	22.02		
3	8	4		22.07	22.06	22.07		
3	8	7		22.01	22.02	22.01		
3	15	0		22.04	22.04	21.97		
3	1	0	64-QAM	22.23	22.15	21.99	18.05	0.0638
3	1	8		22.27	22.24	21.90		
3	1	14		22.17	22.18	21.71		
3	8	0		21.07	21.01	20.73		
3	8	4		21.07	21.07	20.88		
3	8	7		21.03	21.01	20.94		
3	15	0		21.07	21.02	20.84		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.26	24.18	24.20	20.11	0.1026
1.4	1	3		24.30	24.28	24.26		
1.4	1	5		24.20	24.19	24.18		
1.4	3	0		24.28	24.20	24.23		
1.4	3	1		24.33	24.24	24.26		
1.4	3	3		24.24	24.25	24.21		
1.4	6	0		23.32	23.31	23.28		
1.4	1	0	16-QAM	23.23	23.12	23.16	19.02	0.0798
1.4	1	3		23.24	23.24	23.19		
1.4	1	5		23.14	23.13	23.11		
1.4	3	0		23.00	22.92	22.94		
1.4	3	1		23.03	22.95	22.97		
1.4	3	3		22.95	22.91	22.92		
1.4	6	0		22.01	22.01	21.97		
1.4	1	0	64-QAM	22.15	22.10	21.96	17.98	0.0628
1.4	1	3		22.20	22.16	21.99		
1.4	1	5		22.10	22.06	21.86		
1.4	3	0		22.10	22.02	21.92		
1.4	3	1		22.17	22.06	22.06		
1.4	3	3		22.10	22.06	22.02		
1.4	6	0		20.97	20.93	20.93		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	19.56	19.51	19.59	17.85	0.0610
20	1	49		19.62	19.53	19.67		
20	1	99		19.66	19.59	19.71		
20	50	0		19.77	19.56	19.71		
20	50	24		19.79	19.68	19.87		
20	50	50		19.78	19.70	19.82		
20	100	0		19.77	19.66	19.75		
20	1	0	16-QAM	19.42	19.37	19.43	17.50	0.0562
20	1	49		19.52	19.38	19.50		
20	1	99		19.49	19.41	19.49		
20	50	0		19.27	19.11	19.23		
20	50	24		19.29	19.19	19.34		
20	50	50		19.29	19.22	19.34		
20	100	0		19.27	19.18	19.23		
20	1	0	64-QAM	19.25	19.20	19.26	17.42	0.0552
20	1	49		19.35	19.21	19.39		
20	1	99		19.39	19.29	19.44		
20	50	0		19.27	19.10	19.22		
20	50	24		19.31	19.22	19.34		
20	50	50		19.31	19.21	19.33		
20	100	0		19.30	19.20	19.23		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	19.66	19.57	19.68	17.81	0.0604
15	1	37		19.64	19.55	19.70		
15	1	74		19.72	19.63	19.77		
15	36	0		19.75	19.61	19.75		
15	36	20		19.81	19.73	19.77		
15	36	39		19.80	19.69	19.83		
15	75	0		19.77	19.71	19.77		
15	1	0	16-QAM	19.43	19.37	19.49	17.55	0.0569
15	1	37		19.52	19.39	19.52		
15	1	74		19.57	19.46	19.54		
15	36	0		19.25	19.12	19.24		
15	36	20		19.31	19.21	19.28		
15	36	39		19.30	19.23	19.33		
15	75	0		19.29	19.21	19.25		
15	1	0	64-QAM	19.35	19.24	19.35	17.43	0.0553
15	1	37		19.39	19.30	19.43		
15	1	74		19.42	19.33	19.45		
15	36	0		19.28	19.13	19.29		
15	36	20		19.33	19.22	19.31		
15	36	39		19.32	19.22	19.34		
15	75	0		19.29	19.20	19.27		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	19.60	19.51	19.67	17.84	0.0608
10	1	25		19.62	19.50	19.65		
10	1	49		19.67	19.57	19.72		
10	25	0		19.77	19.62	19.77		
10	25	12		19.80	19.74	19.80		
10	25	25		19.80	19.71	19.86		
10	50	0		19.80	19.74	19.78		
10	1	0	16-QAM	19.47	19.37	19.50	17.56	0.0570
10	1	25		19.49	19.38	19.55		
10	1	49		19.52	19.45	19.58		
10	25	0		19.26	19.12	19.26		
10	25	12		19.32	19.24	19.30		
10	25	25		19.29	19.19	19.36		
10	50	0		19.32	19.21	19.29		
10	1	0	64-QAM	19.40	19.25	19.41	17.47	0.0558
10	1	25		19.44	19.35	19.49		
10	1	49		19.49	19.36	19.48		
10	25	0		19.33	19.18	19.31		
10	25	12		19.36	19.27	19.35		
10	25	25		19.36	19.24	19.38		
10	50	0		19.35	19.23	19.32		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	19.64	19.58	19.69	17.84	0.0608
5	1	12		19.66	19.61	19.74		
5	1	24		19.66	19.61	19.70		
5	12	0		19.77	19.73	19.86		
5	12	7		19.80	19.69	19.83		
5	12	13		19.83	19.75	19.84		
5	25	0		19.76	19.68	19.84		
5	1	0	16-QAM	19.47	19.43	19.51	17.53	0.0566
5	1	12		19.46	19.33	19.55		
5	1	24		19.45	19.43	19.55		
5	12	0		19.29	19.21	19.36		
5	12	7		19.29	19.21	19.37		
5	12	13		19.30	19.26	19.37		
5	25	0		19.30	19.19	19.35		
5	1	0	64-QAM	19.43	19.34	19.46	17.51	0.0564
5	1	12		19.41	19.32	19.46		
5	1	24		19.40	19.35	19.53		
5	12	0		19.37	19.30	19.41		
5	12	7		19.39	19.30	19.42		
5	12	13		19.39	19.31	19.42		
5	25	0		19.32	19.24	19.38		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.41	24.83	24.76	17.92	0.0619
10	1	25		24.48	24.75	24.67		
10	1	49		24.81	24.75	24.65		
10	25	0		23.37	23.86	23.83		
10	25	12		23.71	23.84	23.84		
10	25	25		23.89	23.91	23.86		
10	50	0		23.96	23.86	23.82		
10	1	0	16-QAM	23.71	23.79	23.75	16.88	0.0488
10	1	25		23.74	23.72	23.69		
10	1	49		23.79	23.70	23.68		
10	25	0		22.24	22.50	22.43		
10	25	12		22.53	22.47	22.42		
10	25	25		22.51	22.47	22.42		
10	50	0		22.53	22.45	22.39		
10	1	0	64-QAM	21.75	22.33	22.54	15.69	0.0371
10	1	25		21.89	22.60	22.56		
10	1	49		22.19	22.00	21.81		
10	25	0		20.34	20.83	21.46		
10	25	12		20.51	21.42	21.43		
10	25	25		21.14	21.52	20.88		
10	50	0		20.81	21.28	21.29		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.01	24.79	24.66	17.91	0.0618
5	1	12		24.13	24.82	24.52		
5	1	24		24.22	24.81	24.49		
5	12	0		23.16	23.88	23.81		
5	12	7		23.24	23.90	23.58		
5	12	13		23.41	23.89	23.41		
5	25	0		23.22	23.83	23.68		
5	1	0	16-QAM	23.27	23.74	23.62	16.84	0.0483
5	1	12		23.44	23.75	23.63		
5	1	24		23.51	23.75	23.63		
5	12	0		22.13	22.52	22.41		
5	12	7		22.23	22.56	22.46		
5	12	13		22.37	22.49	22.39		
5	25	0		22.21	22.46	22.35		
5	1	0	64-QAM	21.25	22.18	22.31	15.76	0.0377
5	1	12		21.45	22.67	21.85		
5	1	24		21.50	22.61	21.67		
5	12	0		20.27	21.30	20.97		
5	12	7		20.39	21.59	20.68		
5	12	13		20.44	21.53	20.39		
5	25	0		20.25	21.43	20.62		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.99	24.78	24.58	17.91	0.0618
3	1	8		24.19	24.82	24.39		
3	1	14		24.23	24.77	24.28		
3	8	0		23.14	23.84	23.45		
3	8	4		23.32	23.88	23.37		
3	8	7		23.24	23.86	23.31		
3	15	0		23.23	23.81	23.43		
3	1	0	16-QAM	23.37	23.70	23.64	16.90	0.0490
3	1	8		23.52	23.81	23.63		
3	1	14		23.47	23.66	23.56		
3	8	0		22.29	22.50	22.42		
3	8	4		22.32	22.54	22.43		
3	8	7		22.34	22.51	22.41		
3	15	0		22.14	22.45	22.37		
3	1	0	64-QAM	21.20	22.62	21.75	15.83	0.0383
3	1	8		21.34	22.74	21.56		
3	1	14		21.39	22.65	21.45		
3	8	0		20.22	21.52	20.51		
3	8	4		20.29	21.56	20.41		
3	8	7		20.31	21.48	20.35		
3	15	0		20.22	21.45	20.40		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.96	24.70	24.20	17.85	0.0610
1.4	1	3		24.07	24.76	24.28		
1.4	1	5		24.05	24.72	24.26		
1.4	3	0		24.01	24.70	24.16		
1.4	3	1		24.15	24.74	24.25		
1.4	3	3		24.06	24.72	24.24		
1.4	6	0		23.14	23.74	23.25		
1.4	1	0	16-QAM	23.29	23.61	23.50	16.81	0.0480
1.4	1	3		23.36	23.72	23.56		
1.4	1	5		23.22	23.64	23.43		
1.4	3	0		23.05	23.40	23.18		
1.4	3	1		23.06	23.45	23.21		
1.4	3	3		23.08	23.42	23.22		
1.4	6	0		22.16	22.40	22.27		
1.4	1	0	64-QAM	21.23	22.54	21.35	15.75	0.0376
1.4	1	3		21.33	22.66	21.45		
1.4	1	5		21.29	22.57	21.41		
1.4	3	0		21.31	22.50	21.42		
1.4	3	1		21.38	22.58	21.45		
1.4	3	3		21.34	22.54	21.41		
1.4	6	0		20.23	21.35	20.26		
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -2.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	24.22	-	19.69	0.0931
10	1	25			24.19			
10	1	49			24.32			
10	25	0			23.33			
10	25	12			23.35			
10	25	25			23.41			
10	50	0			23.37			
10	1	0	16-QAM		23.16		18.62	0.0728
10	1	25			23.24			
10	1	49			23.25			
10	25	0			21.93			
10	25	12			21.94			
10	25	25			21.95			
10	50	0			21.93			
10	1	0	64-QAM		21.77		17.55	0.0569
10	1	25			22.18			
10	1	49			22.18			
10	25	0			20.48			
10	25	12			20.99			
10	25	25			21.02			
10	50	0			20.98			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -2.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.98	24.19	24.20	19.68	0.0929
5	1	12		24.18	24.31	24.30		
5	1	24		24.28	24.27	24.27		
5	12	0		23.29	23.34	23.38		
5	12	7		23.24	23.36	23.38		
5	12	13		23.38	23.41	23.41		
5	25	0		23.37	23.34	23.40		
5	1	0	16-QAM	23.05	23.12	23.17	18.63	0.0729
5	1	12		23.15	23.26	23.24		
5	1	24		23.24	23.21	23.23		
5	12	0		21.93	21.98	21.96		
5	12	7		21.99	21.96	22.00		
5	12	13		22.02	22.01	22.00		
5	25	0		22.03	21.95	21.98		
5	1	0	64-QAM	21.33	21.60	22.17	17.57	0.0571
5	1	12		21.67	22.20	22.16		
5	1	24		22.20	22.19	22.16		
5	12	0		20.35	20.89	21.02		
5	12	7		20.32	20.98	21.04		
5	12	13		20.78	21.04	21.00		
5	25	0		20.43	20.96	21.03		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.70	24.58	24.54	17.79	0.0601
10	1	25		24.61	24.60	24.61		
10	1	49		24.60	24.59	24.58		
10	25	0		23.66	23.69	23.67		
10	25	12		23.72	23.72	23.72		
10	25	25		23.81	23.80	23.80		
10	50	0		23.72	23.70	23.67		
10	1	0	16-QAM	23.66	23.57	23.53	16.75	0.0473
10	1	25		23.64	23.60	23.57		
10	1	49		23.57	23.58	23.57		
10	25	0		22.30	22.28	22.26		
10	25	12		22.35	22.34	22.31		
10	25	25		22.37	22.40	22.37		
10	50	0		22.30	22.28	22.27		
10	1	0	64-QAM	21.87	22.39	22.48	15.64	0.0366
10	1	25		22.55	22.50	22.53		
10	1	49		21.95	21.91	21.99		
10	25	0		21.29	21.32	21.29		
10	25	12		21.36	21.35	21.37		
10	25	25		21.42	21.21	20.97		
10	50	0		21.33	21.31	21.29		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -4.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.59	24.59	24.54	17.78	0.0600
5	1	12		24.65	24.68	24.61		
5	1	24		24.69	24.69	24.45		
5	12	0		23.72	23.71	23.67		
5	12	7		23.78	23.71	23.69		
5	12	13		23.76	23.76	23.49		
5	25	0		23.77	23.70	23.67		
5	1	0	16-QAM	23.57	23.52	23.47	16.76	0.0474
5	1	12		23.63	23.54	23.52		
5	1	24		23.67	23.61	23.56		
5	12	0		22.36	22.32	22.28		
5	12	7		22.43	22.32	22.36		
5	12	13		22.41	22.36	22.32		
5	25	0		22.40	22.31	22.25		
5	1	0	64-QAM	21.88	22.45	22.34	15.68	0.0370
5	1	12		22.45	22.55	21.98		
5	1	24		22.59	22.29	21.71		
5	12	0		20.87	21.35	21.08		
5	12	7		21.43	21.38	20.78		
5	12	13		21.46	21.41	20.51		
5	25	0		21.22	21.35	20.72		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.20	24.12	24.12	19.98	0.0995
15	1	37		24.06	24.09	24.14		
15	1	74		24.04	24.15	24.03		
15	36	0		23.20	23.22	23.17		
15	36	20		23.24	23.29	23.24		
15	36	39		23.23	23.27	23.26		
15	75	0		23.24	23.28	23.22		
15	1	0	16-QAM	23.03	23.05	23.08	18.86	0.0769
15	1	37		22.98	23.03	23.04		
15	1	74		22.98	23.05	22.90		
15	36	0		21.81	21.82	21.80		
15	36	20		21.85	21.87	21.83		
15	36	39		21.87	21.87	21.85		
15	75	0		21.86	21.89	21.84		
15	1	0	64-QAM	21.85	21.89	21.92	17.75	0.0596
15	1	37		21.89	21.94	21.95		
15	1	74		21.86	21.97	21.45		
15	36	0		20.87	20.91	20.86		
15	36	20		20.88	20.90	20.86		
15	36	39		20.89	20.93	20.90		
15	75	0		20.85	20.91	20.89		
Limit	ERP < 5W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.19	24.12	24.19	19.97	0.0993
10	1	25		24.02	24.09	24.17		
10	1	49		24.13	24.13	24.11		
10	25	0		23.26	23.19	23.26		
10	25	12		23.23	23.28	23.27		
10	25	25		23.16	23.16	23.25		
10	50	0		23.24	23.22	23.25		
10	1	0	16-QAM	23.19	23.08	23.15	18.97	0.0789
10	1	25		23.07	23.09	23.18		
10	1	49		23.11	23.12	23.09		
10	25	0		21.87	21.78	21.86		
10	25	12		21.87	21.87	21.88		
10	25	25		21.77	21.74	21.79		
10	50	0		21.84	21.84	21.84		
10	1	0	64-QAM	22.09	21.96	22.06	17.89	0.0615
10	1	25		22.01	22.01	22.11		
10	1	49		22.02	22.03	22.01		
10	25	0		20.90	20.81	20.90		
10	25	12		20.89	20.90	20.93		
10	25	25		20.80	20.83	20.89		
10	50	0		20.84	20.87	20.86		
Limit	ERP < 5W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	24.19	24.10	24.15	19.97	0.0993
5	1	12		24.18	24.15	24.16		
5	1	24		24.08	24.14	24.14		
5	12	0		23.31	23.21	23.32		
5	12	7		23.30	23.23	23.27		
5	12	13		23.22	23.20	23.19		
5	25	0		23.25	23.21	23.26		
5	1	0	16-QAM	23.22	23.04	23.20	19.00	0.0794
5	1	12		23.15	23.06	23.12		
5	1	24		23.04	23.10	23.08		
5	12	0		21.95	21.80	21.93		
5	12	7		21.90	21.83	21.91		
5	12	13		21.84	21.80	21.79		
5	25	0		21.87	21.86	21.88		
5	1	0	64-QAM	22.17	21.97	22.11	17.95	0.0624
5	1	12		22.08	21.99	22.01		
5	1	24		21.96	21.99	22.00		
5	12	0		21.00	20.85	20.95		
5	12	7		20.96	20.92	20.95		
5	12	13		20.86	20.88	20.85		
5	25	0		20.88	20.83	20.90		
Limit	ERP < 5W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	24.17	24.10	24.18	19.96	0.0991
3	1	8		24.17	24.15	24.18		
3	1	14		24.11	24.13	24.09		
3	8	0		23.32	23.20	23.26		
3	8	4		23.32	23.26	23.25		
3	8	7		23.24	23.17	23.17		
3	15	0		23.29	23.19	23.23		
3	1	0	16-QAM	23.19	23.01	23.13	19.00	0.0794
3	1	8		23.22	23.17	23.13		
3	1	14		23.04	23.09	23.01		
3	8	0		21.96	21.83	21.93		
3	8	4		21.99	21.89	21.90		
3	8	7		21.88	21.85	21.84		
3	15	0		21.92	21.82	21.88		
3	1	0	64-QAM	23.19	23.01	23.13	19.00	0.0794
3	1	8		23.22	23.17	23.13		
3	1	14		23.04	23.09	23.01		
3	8	0		21.96	21.83	21.93		
3	8	4		21.99	21.89	21.90		
3	8	7		21.88	21.85	21.84		
3	15	0		21.92	21.82	21.88		
Limit	ERP < 5W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.07 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	24.16	24.04	24.07	19.96	0.0991
1.4	1	3		24.16	24.12	24.10		
1.4	1	5		24.10	24.04	24.02		
1.4	3	0		24.18	24.05	24.10		
1.4	3	1		24.18	24.09	24.13		
1.4	3	3		24.16	24.08	24.05		
1.4	6	0		23.24	23.15	23.13		
1.4	1	0	16-QAM	23.11	22.95	23.01	18.93	0.0782
1.4	1	3		23.15	23.05	23.06		
1.4	1	5		23.03	22.97	22.95		
1.4	3	0		22.89	22.76	22.79		
1.4	3	1		22.93	22.80	22.83		
1.4	3	3		22.85	22.74	22.75		
1.4	6	0		21.90	21.84	21.79		
1.4	1	0	64-QAM	23.11	22.95	23.01	18.93	0.0782
1.4	1	3		23.15	23.05	23.06		
1.4	1	5		23.03	22.97	22.95		
1.4	3	0		22.89	22.76	22.79		
1.4	3	1		22.93	22.80	22.83		
1.4	3	3		22.85	22.74	22.75		
1.4	6	0		21.90	21.84	21.79		
Limit	ERP < 5W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	18.92	19.43	19.27	18.52	0.0711
20	1	49		18.91	19.38	19.16		
20	1	99		18.95	19.45	19.18		
20	50	0		19.00	19.45	19.35		
20	50	24		19.07	19.61	19.33		
20	50	50		19.08	19.55	19.21		
20	100	0		19.09	19.53	19.34		
20	1	0	16-QAM	18.53	19.06	18.92	18.01	0.0632
20	1	49		18.48	19.01	18.77		
20	1	99		18.54	19.10	18.67		
20	50	0		18.54	18.99	18.88		
20	50	24		18.61	19.08	18.87		
20	50	50		18.59	19.09	18.75		
20	100	0		18.60	19.08	18.85		
20	1	0	64-QAM	18.27	18.68	18.62	18.03	0.0635
20	1	49		18.23	18.70	18.51		
20	1	99		18.21	18.77	18.34		
20	50	0		18.56	19.01	18.87		
20	50	24		18.64	19.12	18.86		
20	50	50		18.62	19.09	18.75		
20	100	0		18.63	19.09	18.85		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	18.90	19.40	19.22	18.44	0.0698
15	1	37		18.88	19.37	19.15		
15	1	74		18.89	19.49	19.19		
15	36	0		18.99	19.46	19.31		
15	36	20		19.04	19.53	19.28		
15	36	39		19.03	19.53	19.19		
15	75	0		19.05	19.53	19.30		
15	1	0	16-QAM	18.51	19.03	18.82	18.09	0.0644
15	1	37		18.44	18.95	18.72		
15	1	74		18.51	19.18	18.73		
15	36	0		18.48	18.95	18.76		
15	36	20		18.50	19.00	18.75		
15	36	39		18.49	18.99	18.64		
15	75	0		18.59	19.06	18.80		
15	1	0	64-QAM	18.22	18.68	18.56	18.00	0.0631
15	1	37		18.22	18.76	18.49		
15	1	74		18.19	18.86	18.40		
15	36	0		18.54	19.01	18.86		
15	36	20		18.59	19.09	18.80		
15	36	39		18.56	19.08	18.74		
15	75	0		18.60	19.09	18.82		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	18.99	19.44	19.23	18.51	0.0710
10	1	25		18.96	19.49	19.20		
10	1	49		18.99	19.51	19.20		
10	25	0		19.05	19.50	19.34		
10	25	12		19.11	19.59	19.34		
10	25	25		19.05	19.59	19.31		
10	50	0		19.08	19.60	19.33		
10	1	0	16-QAM	18.61	19.11	18.88	18.05	0.0638
10	1	25		18.58	19.11	18.79		
10	1	49		18.58	19.09	18.75		
10	25	0		18.56	19.01	18.81		
10	25	12		18.63	19.14	18.83		
10	25	25		18.58	19.10	18.78		
10	50	0		18.60	19.12	18.84		
10	1	0	64-QAM	18.39	18.83	18.57	18.13	0.0650
10	1	25		18.34	18.84	18.53		
10	1	49		18.26	18.81	18.44		
10	25	0		18.68	19.10	18.90		
10	25	12		18.70	19.22	18.91		
10	25	25		18.67	19.17	18.87		
10	50	0		18.63	19.14	18.86		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.09 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	18.98	19.41	19.16	18.51	0.0710
5	1	12		18.93	19.48	19.18		
5	1	24		18.94	19.41	19.08		
5	12	0		19.09	19.52	19.29		
5	12	7		19.11	19.60	19.33		
5	12	13		19.05	19.59	19.32		
5	25	0		19.08	19.57	19.29		
5	1	0	16-QAM	18.65	19.04	18.84	18.15	0.0653
5	1	12		18.68	19.24	18.96		
5	1	24		18.68	19.15	18.91		
5	12	0		18.56	19.03	18.78		
5	12	7		18.60	19.10	18.82		
5	12	13		18.58	19.07	18.75		
5	25	0		18.60	19.14	18.79		
5	1	0	64-QAM	18.41	18.75	18.54	18.10	0.0646
5	1	12		18.36	18.87	18.56		
5	1	24		18.35	18.85	18.51		
5	12	0		18.64	19.06	18.84		
5	12	7		18.64	19.15	18.85		
5	12	13		18.61	19.16	18.83		
5	25	0		18.65	19.19	18.86		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.52	20.63	20.63	18.67	0.0736
20	1	49		20.45	20.55	20.49		
20	1	99		20.41	20.49	20.43		
20	50	0		20.52	20.64	20.63		
20	50	24		20.60	20.63	20.69		
20	50	50		20.55	20.65	20.63		
20	100	0		20.58	20.61	20.62		
20	1	0	16-QAM	20.41	20.47	20.50	18.48	0.0705
20	1	49		20.31	20.37	20.36		
20	1	99		20.28	20.31	20.34		
20	50	0		20.06	20.15	20.16		
20	50	24		20.15	20.15	20.13		
20	50	50		20.07	20.15	20.14		
20	100	0		20.11	20.10	20.14		
20	1	0	64-QAM	20.23	20.34	20.31	18.32	0.0679
20	1	49		20.14	20.29	20.17		
20	1	99		20.14	20.24	20.17		
20	50	0		20.08	20.17	20.17		
20	50	24		20.15	20.15	20.17		
20	50	50		20.11	20.17	20.17		
20	100	0		20.11	20.13	20.13		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.47	20.60	20.63	18.64	0.0731
15	1	37		20.42	20.56	20.52		
15	1	74		20.44	20.53	20.49		
15	36	0		20.54	20.64	20.61		
15	36	20		20.58	20.63	20.66		
15	36	39		20.54	20.63	20.64		
15	75	0		20.59	20.58	20.59		
15	1	0	16-QAM	20.33	20.37	20.48	18.46	0.0701
15	1	37		20.30	20.40	20.40		
15	1	74		20.22	20.29	20.32		
15	36	0		20.02	20.14	20.12		
15	36	20		20.10	20.14	20.18		
15	36	39		20.06	20.15	20.17		
15	75	0		20.09	20.12	20.10		
15	1	0	64-QAM	20.17	20.23	20.31	18.29	0.0675
15	1	37		20.22	20.30	20.30		
15	1	74		20.19	20.24	20.23		
15	36	0		20.04	20.17	20.17		
15	36	20		20.13	20.16	20.20		
15	36	39		20.08	20.18	20.18		
15	75	0		20.10	20.13	20.10		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.56	20.58	20.59	18.62	0.0728
10	1	25		20.45	20.55	20.52		
10	1	49		20.39	20.51	20.48		
10	25	0		20.60	20.62	20.60		
10	25	12		20.60	20.61	20.58		
10	25	25		20.54	20.64	20.61		
10	50	0		20.60	20.62	20.60		
10	1	0	16-QAM	20.43	20.47	20.46	18.45	0.0700
10	1	25		20.32	20.43	20.43		
10	1	49		20.31	20.40	20.38		
10	25	0		20.10	20.13	20.13		
10	25	12		20.11	20.14	20.13		
10	25	25		20.05	20.15	20.14		
10	50	0		20.09	20.11	20.12		
10	1	0	64-QAM	20.31	20.32	20.32	18.34	0.0682
10	1	25		20.25	20.35	20.36		
10	1	49		20.19	20.28	20.27		
10	25	0		20.15	20.16	20.15		
10	25	12		20.13	20.16	20.15		
10	25	25		20.09	20.19	20.17		
10	50	0		20.13	20.13	20.13		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.51	20.56	20.60	18.66	0.0735
5	1	12		20.50	20.65	20.61		
5	1	24		20.46	20.56	20.53		
5	12	0		20.59	20.64	20.68		
5	12	7		20.63	20.67	20.66		
5	12	13		20.56	20.67	20.66		
5	25	0		20.60	20.62	20.65		
5	1	0	16-QAM	20.34	20.38	20.40	18.42	0.0695
5	1	12		20.32	20.44	20.41		
5	1	24		20.28	20.40	20.36		
5	12	0		20.16	20.20	20.22		
5	12	7		20.17	20.28	20.21		
5	12	13		20.10	20.18	20.17		
5	25	0		20.13	20.15	20.18		
5	1	0	64-QAM	20.30	20.35	20.39	18.37	0.0687
5	1	12		20.26	20.37	20.30		
5	1	24		20.24	20.35	20.24		
5	12	0		20.19	20.20	20.25		
5	12	7		20.17	20.29	20.25		
5	12	13		20.15	20.24	20.22		
5	25	0		20.12	20.17	20.16		
Limit	EIRP < 1W			Result			Pass	

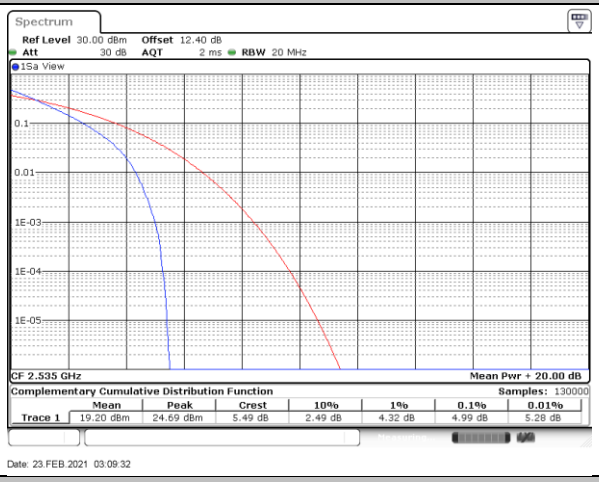
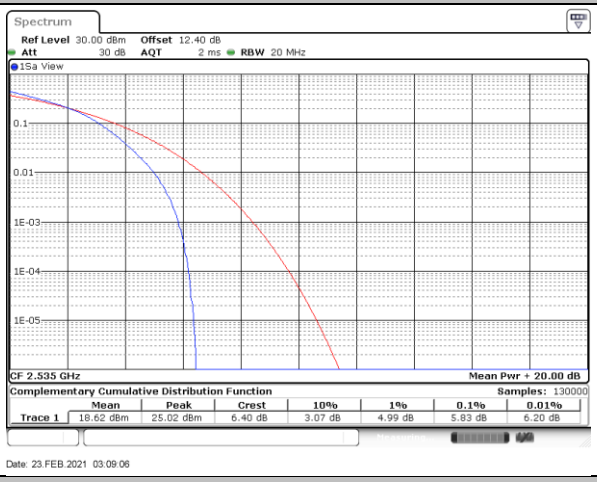
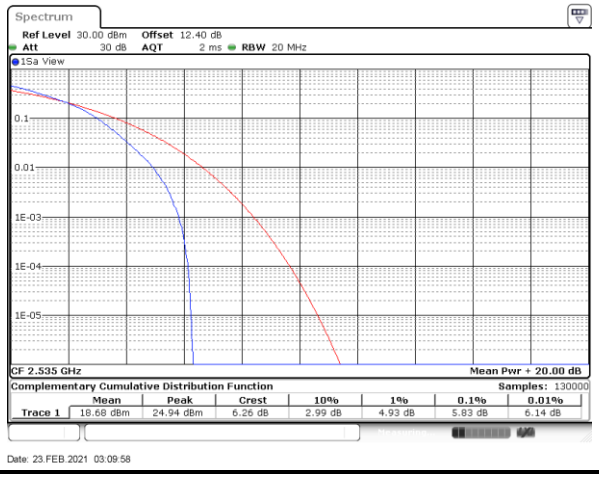
LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	20.51	20.55	20.56	18.66	0.0735
3	1	8		20.55	20.65	20.59		
3	1	14		20.48	20.58	20.55		
3	8	0		20.63	20.63	20.66		
3	8	4		20.63	20.68	20.67		
3	8	7		20.60	20.67	20.62		
3	15	0		20.58	20.66	20.67		
3	1	0	16-QAM	20.38	20.36	20.40	18.49	0.0706
3	1	8		20.35	20.51	20.47		
3	1	14		20.32	20.41	20.37		
3	8	0		20.16	20.21	20.22		
3	8	4		20.20	20.28	20.25		
3	8	7		20.15	20.27	20.22		
3	15	0		20.17	20.19	20.20		
3	1	0	64-QAM	20.32	20.34	20.37	18.42	0.0695
3	1	8		20.35	20.44	20.38		
3	1	14		20.25	20.37	20.27		
3	8	0		20.20	20.19	20.24		
3	8	4		20.17	20.30	20.24		
3	8	7		20.15	20.26	20.20		
3	15	0		20.11	20.17	20.21		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	20.48	20.53	20.47	18.59	0.0723
1.4	1	3		20.51	20.56	20.56		
1.4	1	5		20.43	20.49	20.48		
1.4	3	0		20.48	20.54	20.51		
1.4	3	1		20.52	20.58	20.58		
1.4	3	3		20.49	20.56	20.47		
1.4	6	0		20.53	20.61	20.57		
1.4	1	0	16-QAM	20.28	20.34	20.31	18.41	0.0693
1.4	1	3		20.39	20.43	20.38		
1.4	1	5		20.22	20.32	20.28		
1.4	3	0		20.01	20.17	20.11		
1.4	3	1		20.11	20.18	20.15		
1.4	3	3		20.03	20.14	20.08		
1.4	6	0		20.12	20.21	20.16		
1.4	1	0	64-QAM	20.23	20.33	20.24	18.34	0.0682
1.4	1	3		20.30	20.36	20.30		
1.4	1	5		20.19	20.29	20.19		
1.4	3	0		20.20	20.26	20.21		
1.4	3	1		20.22	20.30	20.26		
1.4	3	3		20.19	20.27	20.20		
1.4	6	0		20.05	20.14	20.09		
Limit	EIRP < 1W			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	4.99	5.83	5.83	-	PASS

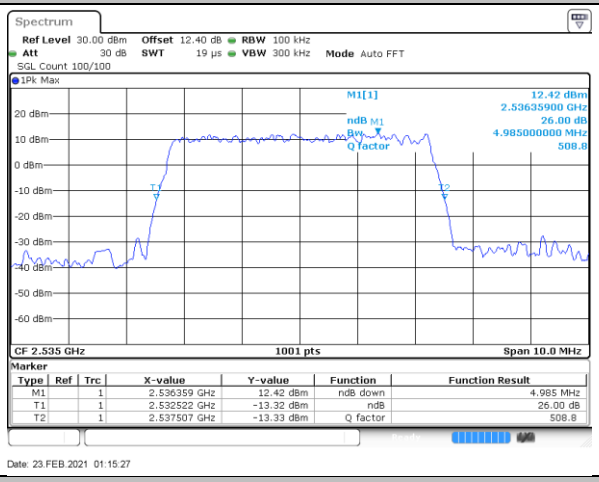
LTE Band 7 / 20MHz / QPSK	LTE Band 7 / 20MHz / 16QAM
Middle Channel / Full RB	**Middle Channel / Full RB**
	
LTE Band 7 / 20MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

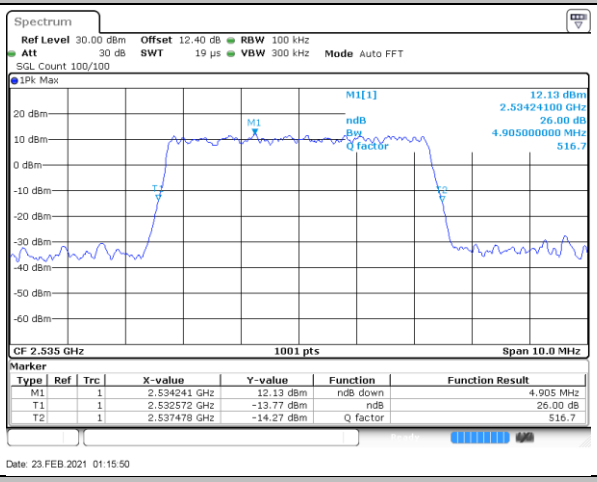
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.99	4.91	9.65	9.61	14.12	14.36	19.02	19.02
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.90	-	9.77	-	14.54	-	19.06	-

LTE Band 7

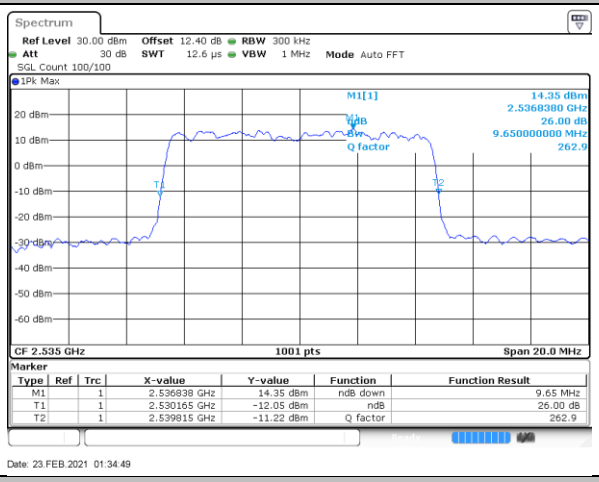
Middle Channel / 5MHz / QPSK



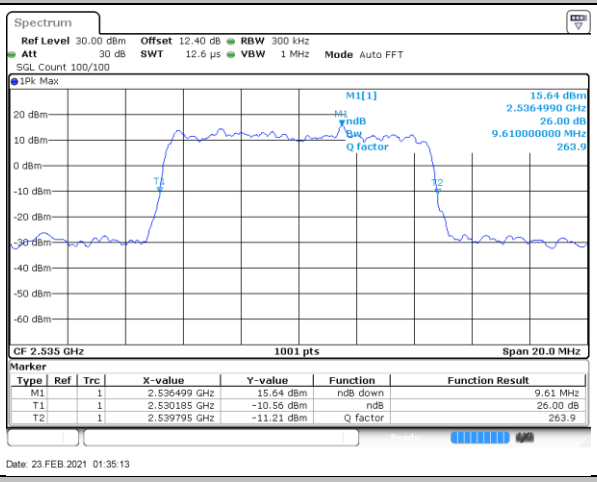
Middle Channel / 5MHz / 16QAM



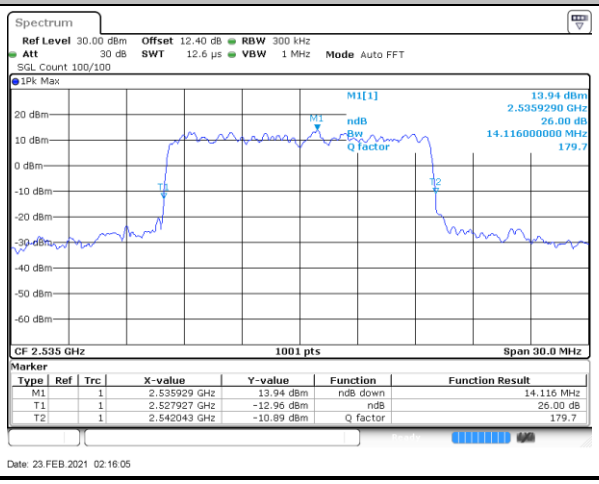
Middle Channel / 10MHz / QPSK



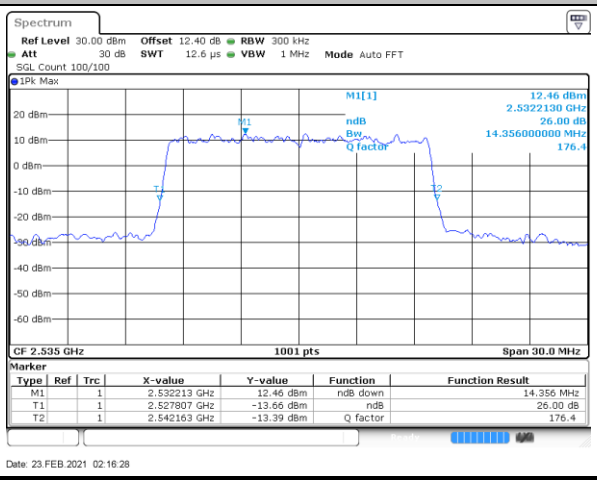
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

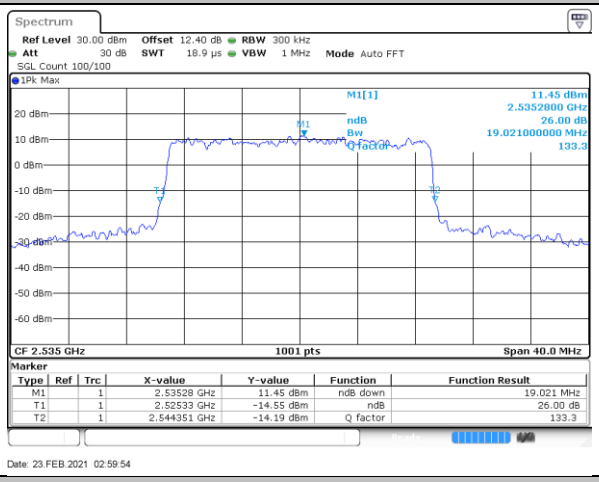


Middle Channel / 15MHz / 16QAM

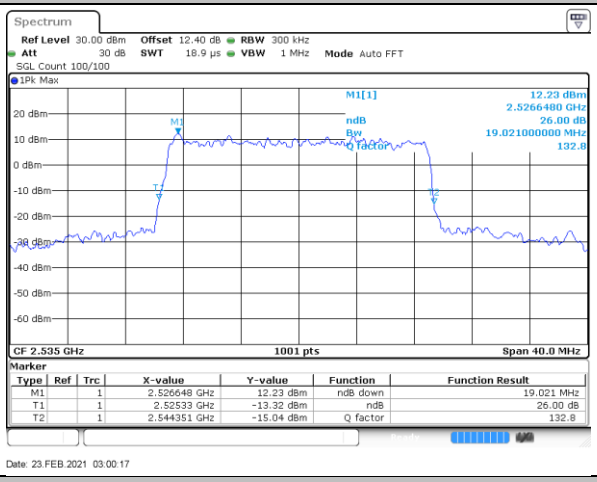


LTE Band 7

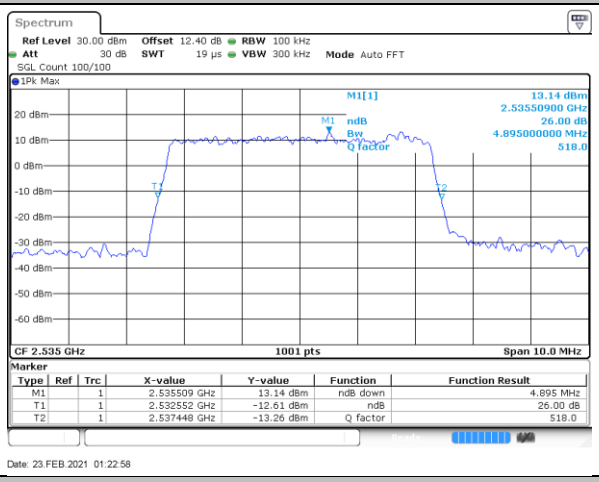
Middle Channel / 20MHz / QPSK



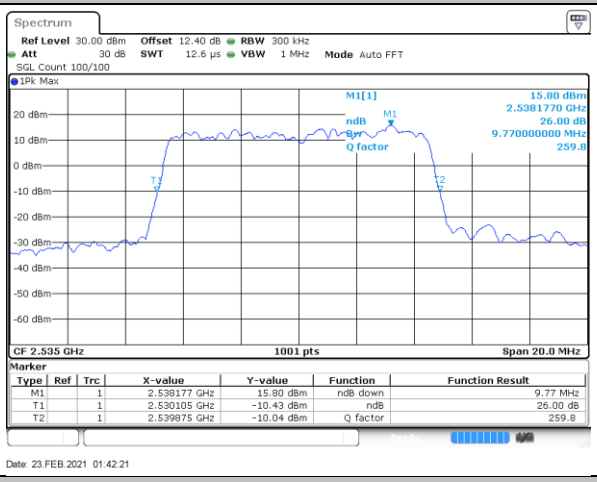
Middle Channel / 20MHz / 16QAM



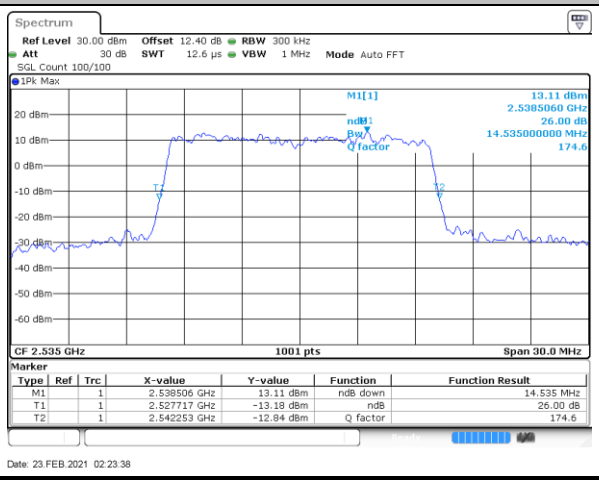
Middle Channel / 5MHz / 64QAM



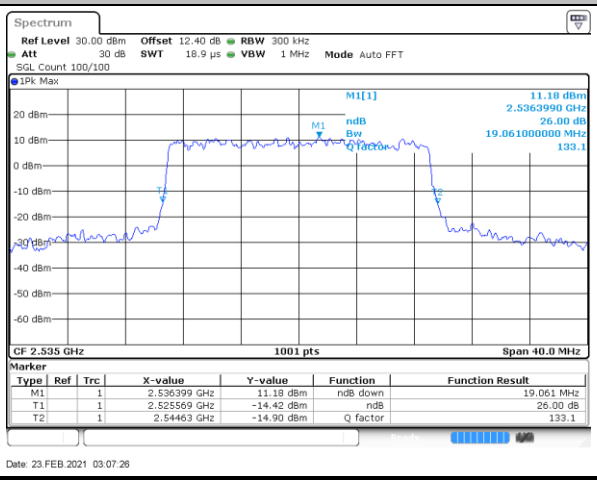
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

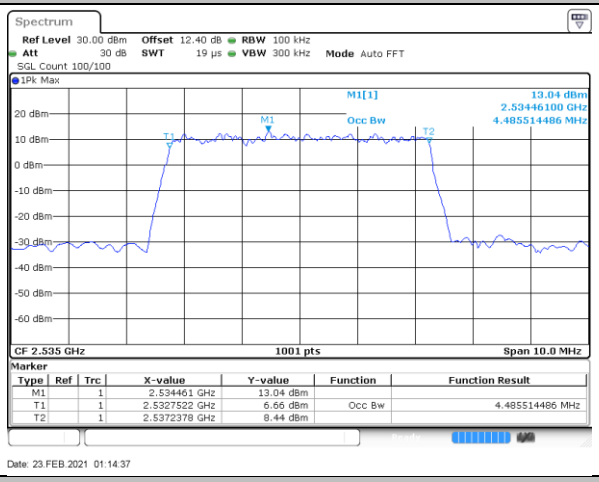


Occupied Bandwidth

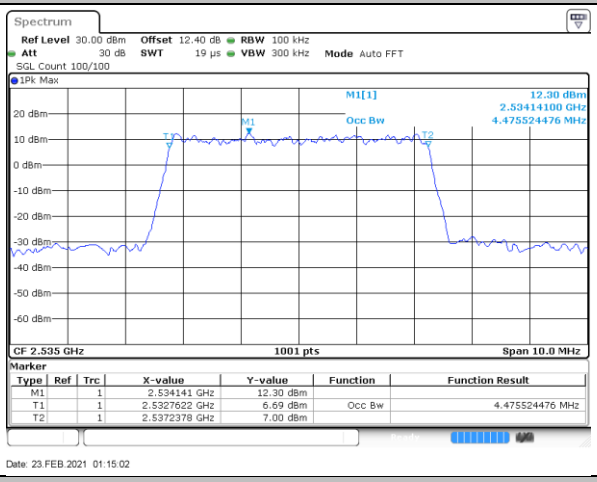
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.48	8.99	9.01	13.43	13.40	17.98	17.86
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.48	-	9.03	-	13.40	-	17.94	-

LTE Band 7

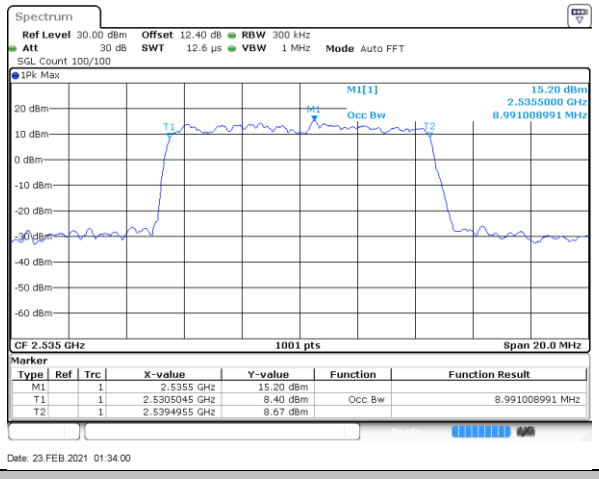
Middle Channel / 5MHz / QPSK



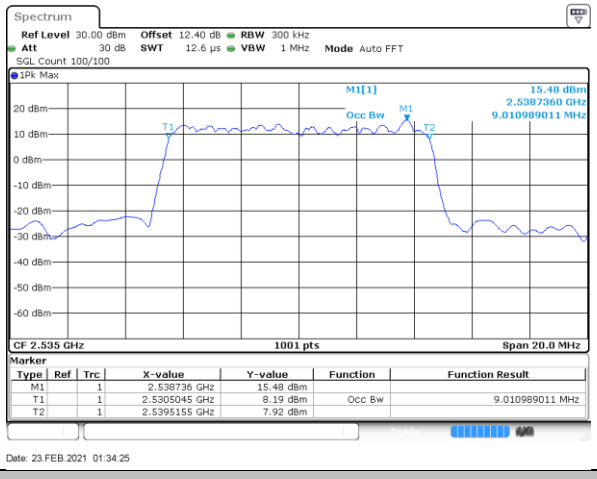
Middle Channel / 5MHz / 16QAM



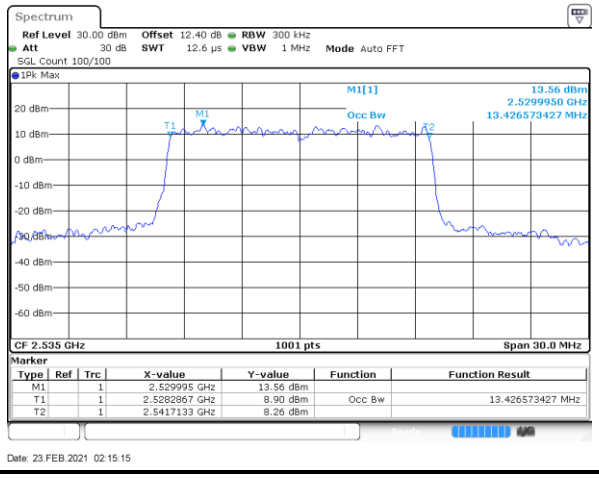
Middle Channel / 10MHz / QPSK



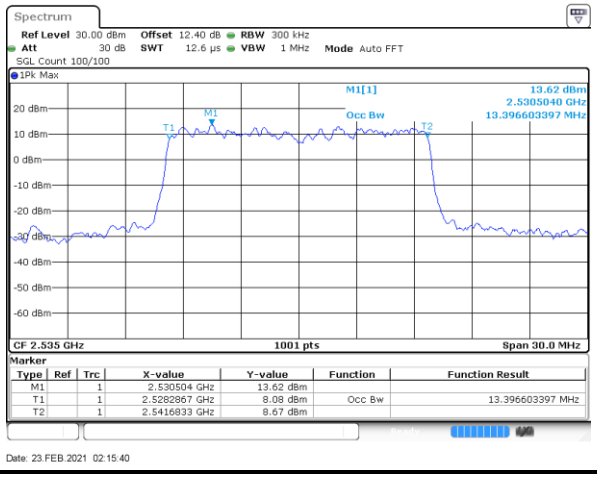
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

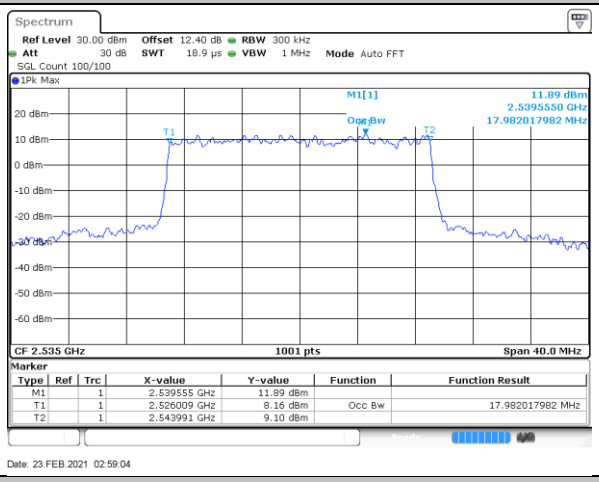


Middle Channel / 15MHz / 16QAM

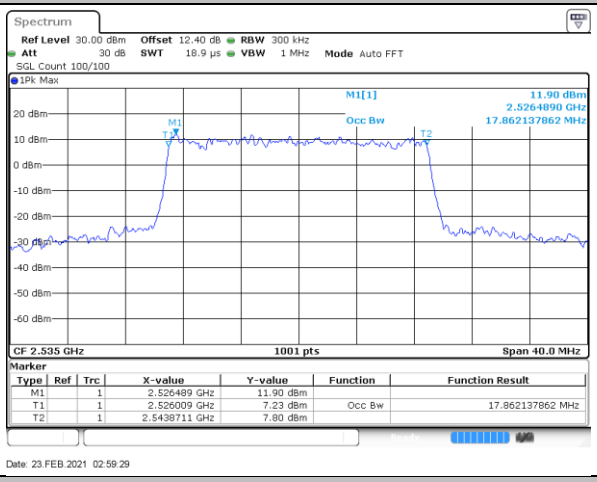


LTE Band 7

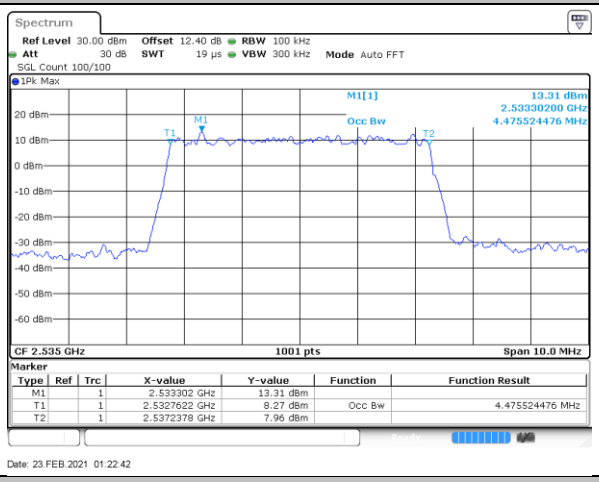
Middle Channel / 20MHz / QPSK



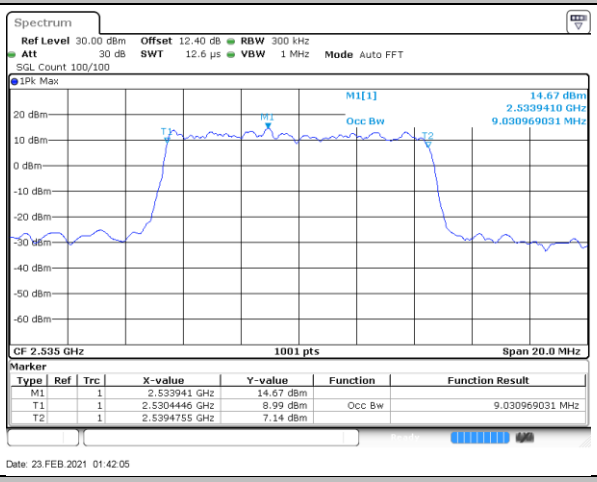
Middle Channel / 20MHz / 16QAM



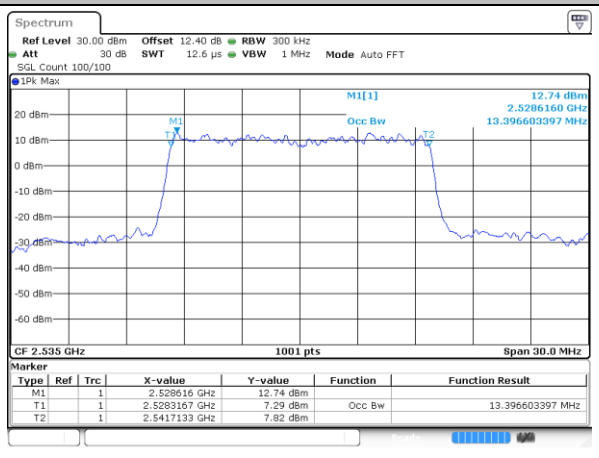
Middle Channel / 5MHz / 64QAM



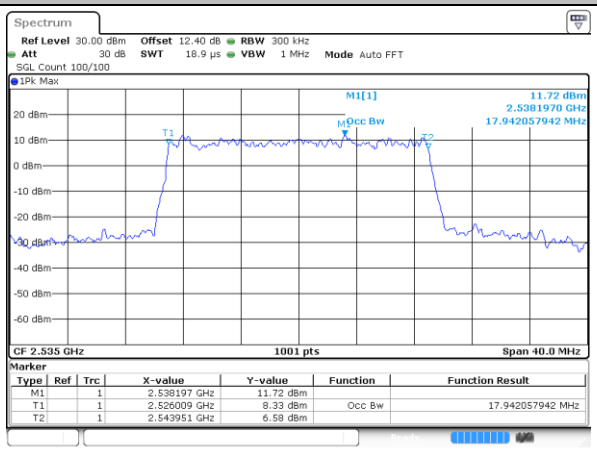
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



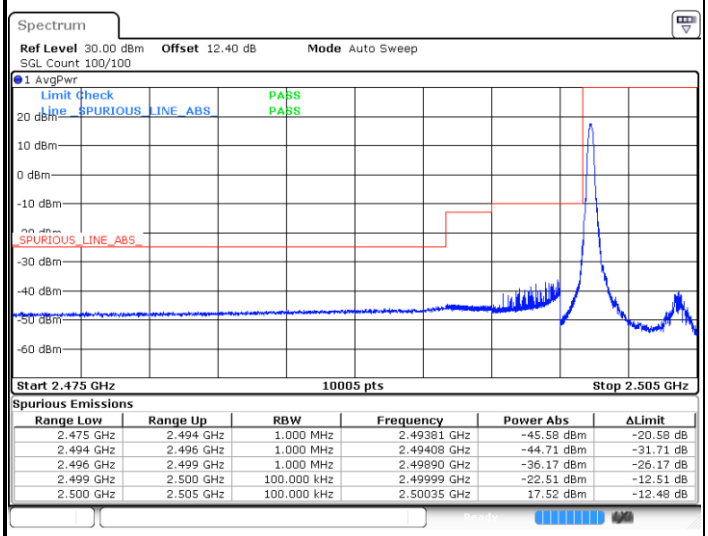
Middle Channel / 20MHz / 64QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

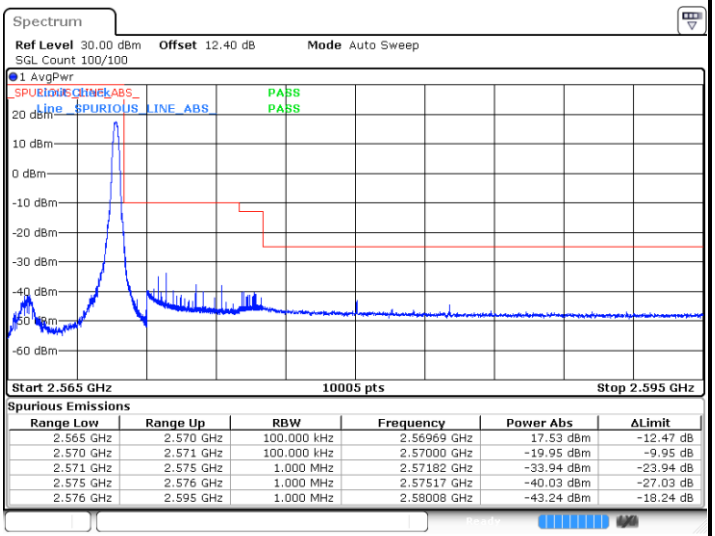


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49381 GHz	-45.58 dBm	-20.58 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49408 GHz	-44.71 dBm	-31.71 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-36.17 dBm	-26.17 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-22.51 dBm	-12.51 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	17.52 dBm	-12.48 dB

Date: 23.FEB.2021 01:10:58

Highest Band Edge / 1 RB

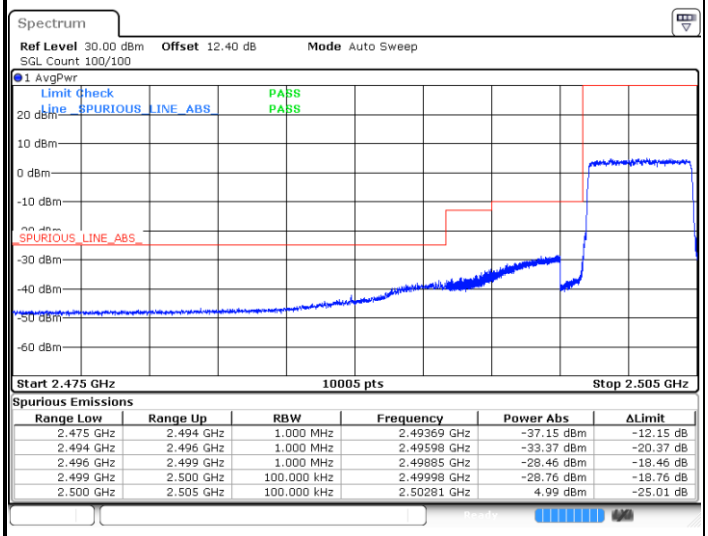


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56969 GHz	17.53 dBm	-12.47 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-19.95 dBm	-9.95 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57182 GHz	-33.94 dBm	-23.94 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57517 GHz	-40.03 dBm	-27.03 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.58008 GHz	-43.24 dBm	-18.24 dB

Date: 23.FEB.2021 01:17:49

Lowest Band Edge / Full RB

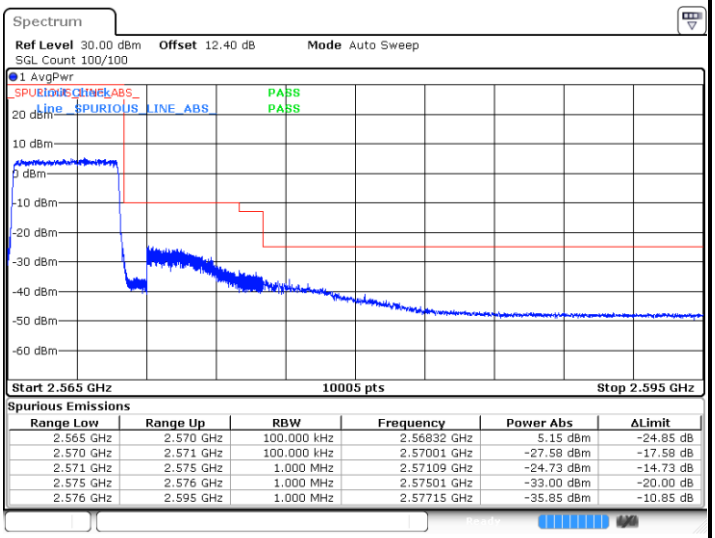


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49369 GHz	-37.15 dBm	-12.15 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-33.37 dBm	-20.37 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49885 GHz	-28.46 dBm	-18.46 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-28.76 dBm	-18.76 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50281 GHz	4.99 dBm	-25.01 dB

Date: 23.FEB.2021 01:12:14

Highest Band Edge / Full RB



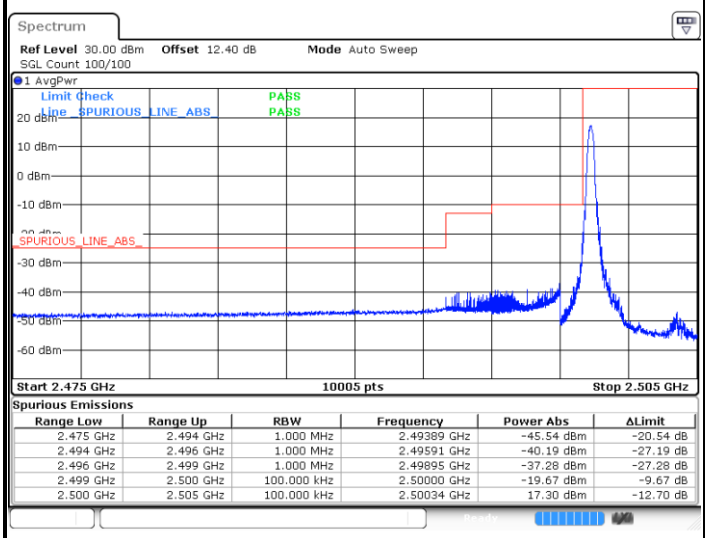
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56832 GHz	5.15 dBm	-24.85 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-27.58 dBm	-17.58 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-24.73 dBm	-14.73 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-33.00 dBm	-20.00 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57715 GHz	-35.85 dBm	-10.85 dB

Date: 23.FEB.2021 01:19:04

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

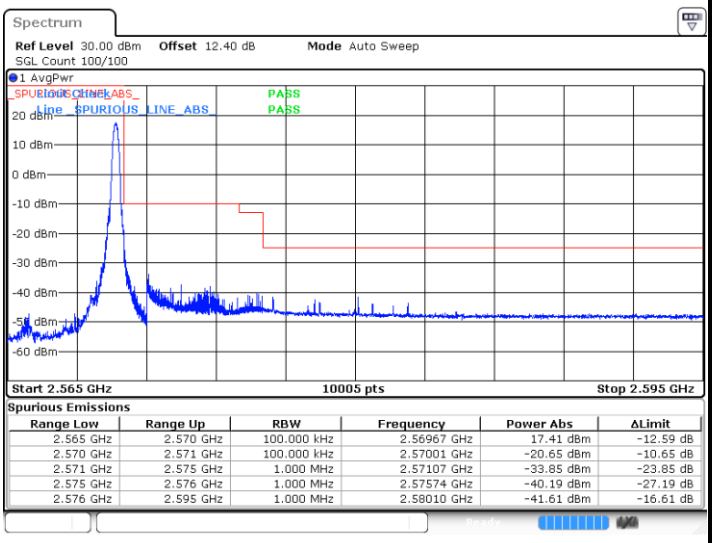


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49389 GHz	-45.54 dBm	-20.54 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-40.19 dBm	-27.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-37.28 dBm	-27.28 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-19.67 dBm	-9.67 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	17.30 dBm	-12.70 dB

Date: 23.FEB.2021 01:11:36

Highest Band Edge / 1 RB

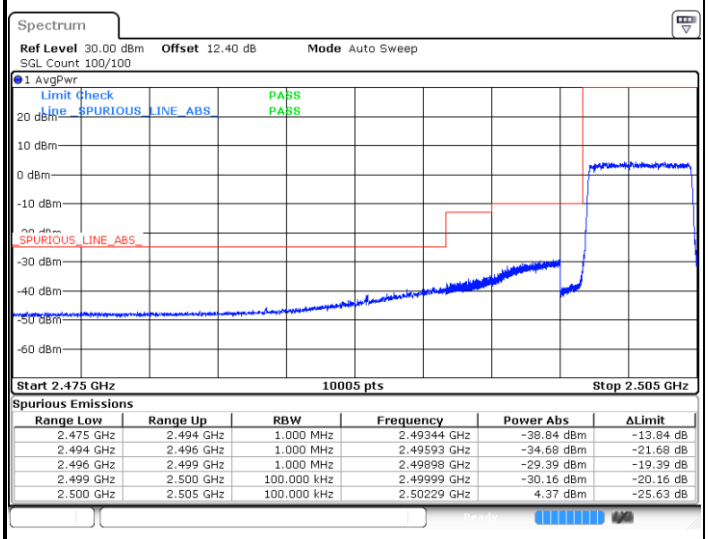


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56967 GHz	17.41 dBm	-12.59 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-20.65 dBm	-10.65 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-33.85 dBm	-23.85 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57574 GHz	-40.19 dBm	-27.19 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.58010 GHz	-41.61 dBm	-16.61 dB

Date: 23.FEB.2021 01:18:27

Lowest Band Edge / Full RB

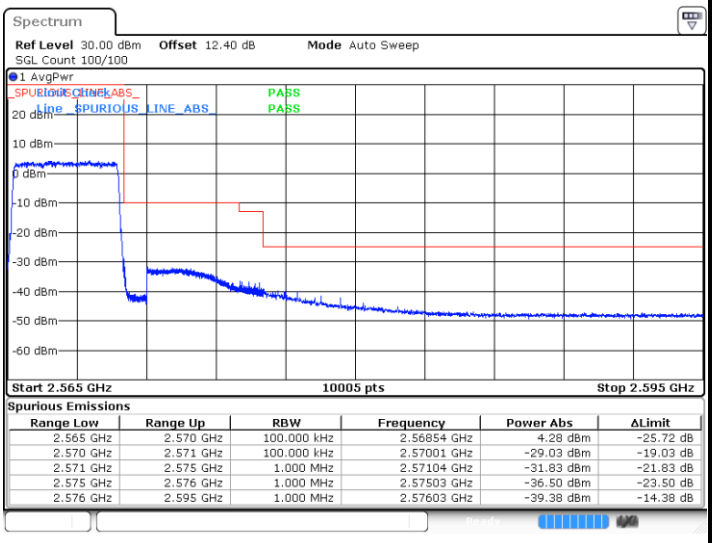


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49344 GHz	-38.84 dBm	-13.84 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-34.68 dBm	-21.68 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-29.39 dBm	-19.39 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-30.16 dBm	-20.16 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50229 GHz	4.37 dBm	-25.63 dB

Date: 23.FEB.2021 01:12:52

Highest Band Edge / Full RB



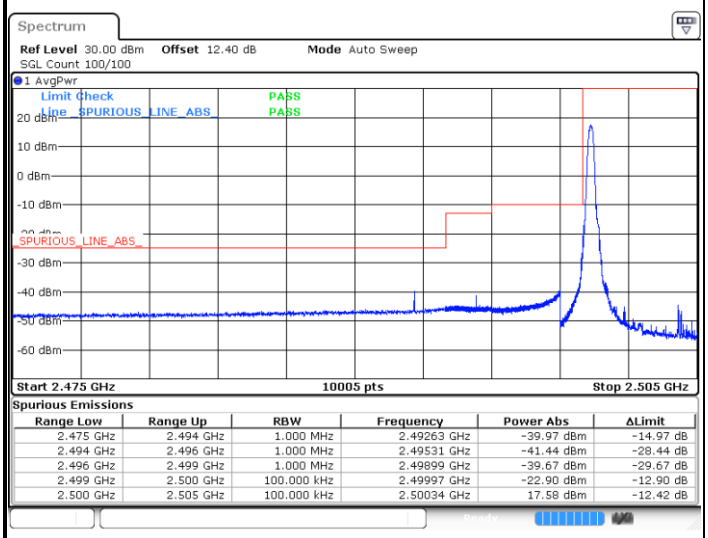
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56854 GHz	4.28 dBm	-25.72 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-29.03 dBm	-19.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-31.83 dBm	-21.83 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-36.50 dBm	-23.50 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57603 GHz	-39.38 dBm	-14.38 dB

Date: 23.FEB.2021 01:19:42

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

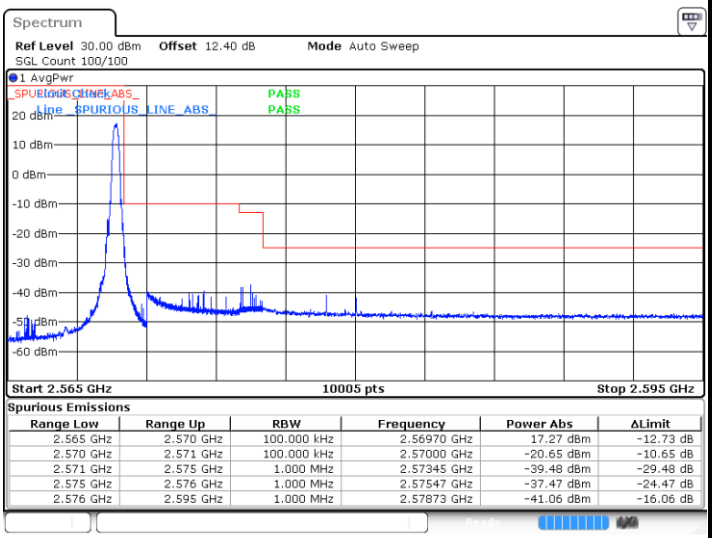


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49263 GHz	-39.97 dBm	-14.97 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49531 GHz	-41.44 dBm	-28.44 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-39.67 dBm	-29.67 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49997 GHz	-22.90 dBm	-12.90 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	17.58 dBm	-12.42 dB

Date: 23.FEB.2021 01:21:41

Highest Band Edge / 1 RB

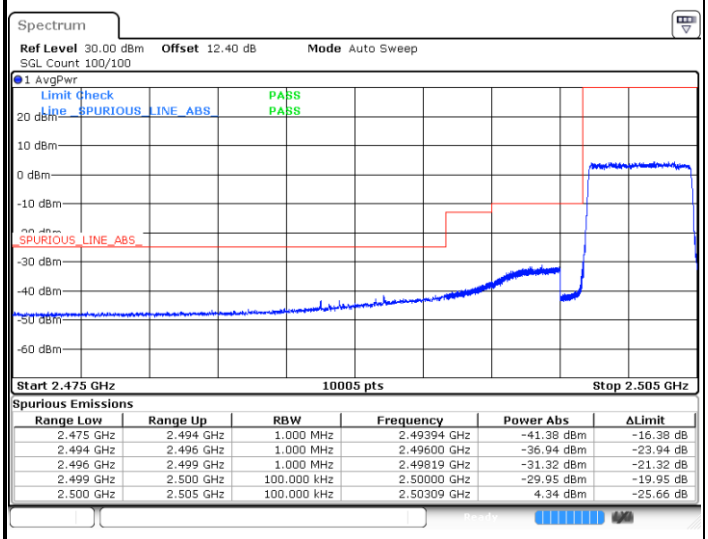


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56970 GHz	17.27 dBm	-12.73 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-20.65 dBm	-10.65 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57345 GHz	-39.48 dBm	-29.48 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57547 GHz	-37.47 dBm	-24.47 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57873 GHz	-41.06 dBm	-16.06 dB

Date: 23.FEB.2021 01:23:36

Lowest Band Edge / Full RB

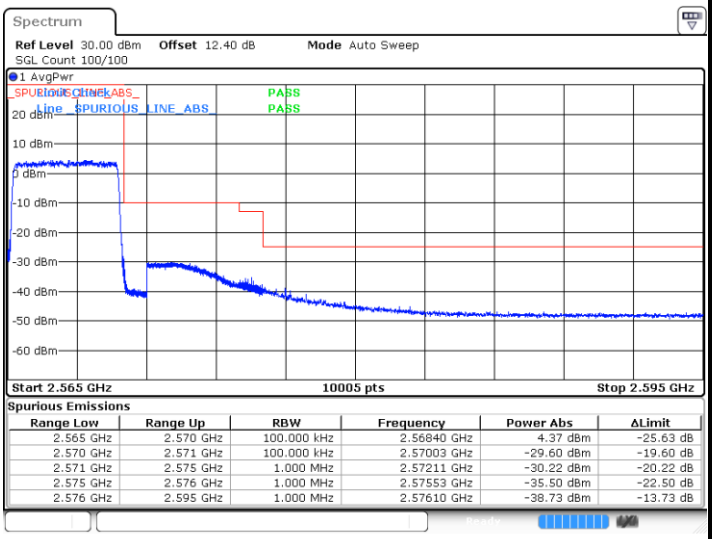


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49394 GHz	-41.38 dBm	-16.38 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-36.94 dBm	-23.94 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49819 GHz	-31.32 dBm	-21.32 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-29.95 dBm	-19.95 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50309 GHz	4.34 dBm	-25.66 dB

Date: 23.FEB.2021 01:22:19

Highest Band Edge / Full RB



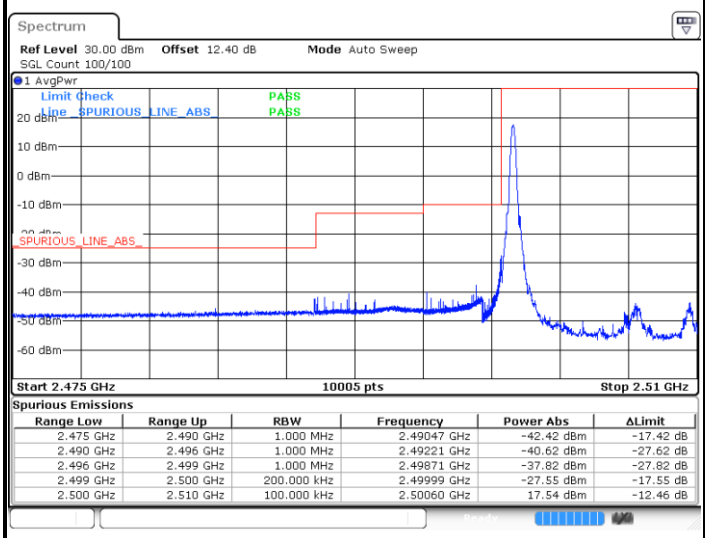
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56840 GHz	4.37 dBm	-25.63 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57003 GHz	-29.60 dBm	-19.60 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57211 GHz	-30.22 dBm	-20.22 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57553 GHz	-35.50 dBm	-22.50 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57610 GHz	-38.73 dBm	-13.73 dB

Date: 23.FEB.2021 01:24:14

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

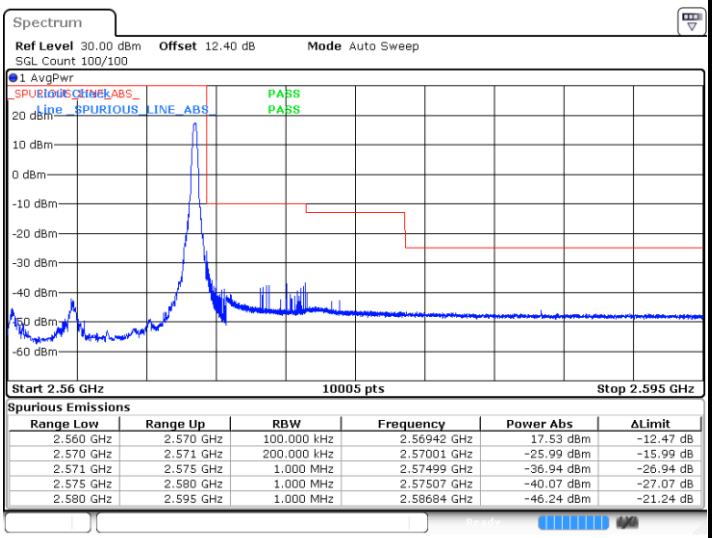


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-42.42 dBm	-17.42 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49221 GHz	-40.62 dBm	-27.62 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49871 GHz	-37.82 dBm	-27.82 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-27.55 dBm	-17.55 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	17.54 dBm	-12.46 dB

Date: 23.FEB.2021 01:30:23

Highest Band Edge / 1 RB

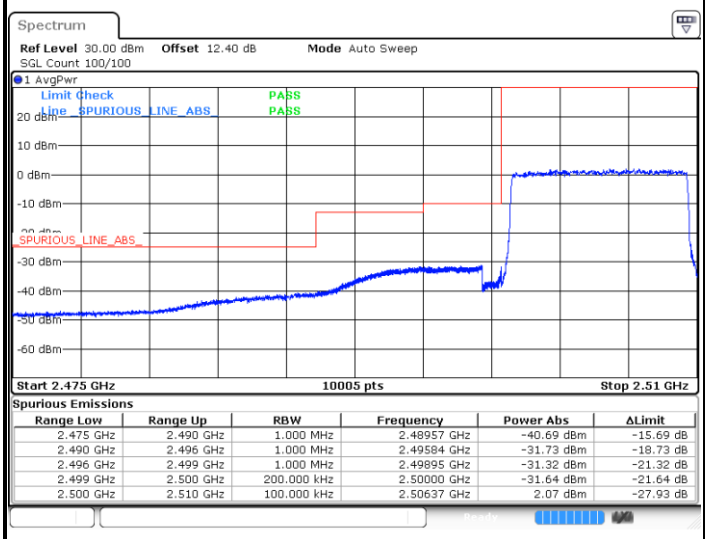


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	17.53 dBm	-12.47 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-25.99 dBm	-15.99 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57499 GHz	-36.94 dBm	-26.94 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57507 GHz	-40.07 dBm	-27.07 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58684 GHz	-46.24 dBm	-21.24 dB

Date: 23.FEB.2021 01:37:12

Lowest Band Edge / Full RB

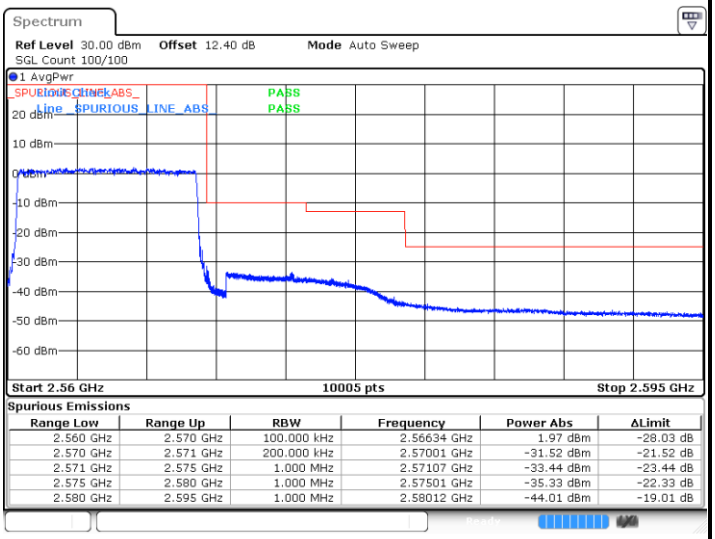


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48957 GHz	-40.69 dBm	-15.69 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-31.73 dBm	-18.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-31.32 dBm	-21.32 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-31.64 dBm	-21.64 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50637 GHz	2.07 dBm	-27.93 dB

Date: 23.FEB.2021 01:31:38

Highest Band Edge / Full RB



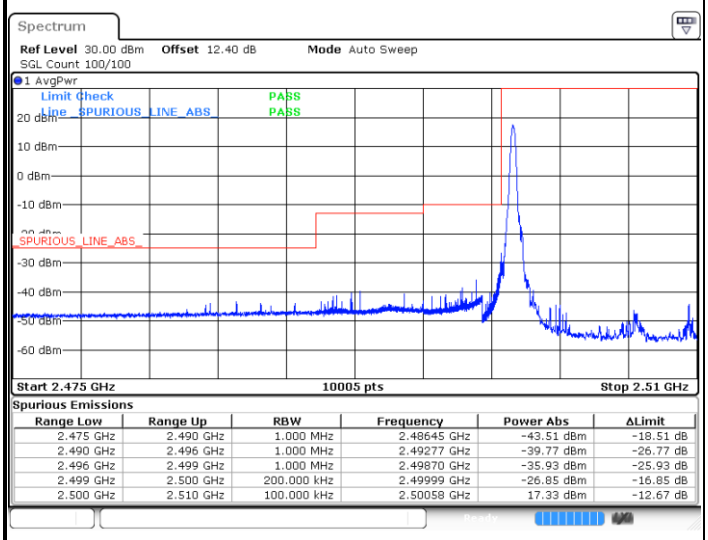
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56634 GHz	1.97 dBm	-28.03 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-31.52 dBm	-21.52 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-33.44 dBm	-23.44 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57501 GHz	-35.33 dBm	-22.33 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58012 GHz	-44.01 dBm	-19.01 dB

Date: 23.FEB.2021 01:38:27

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

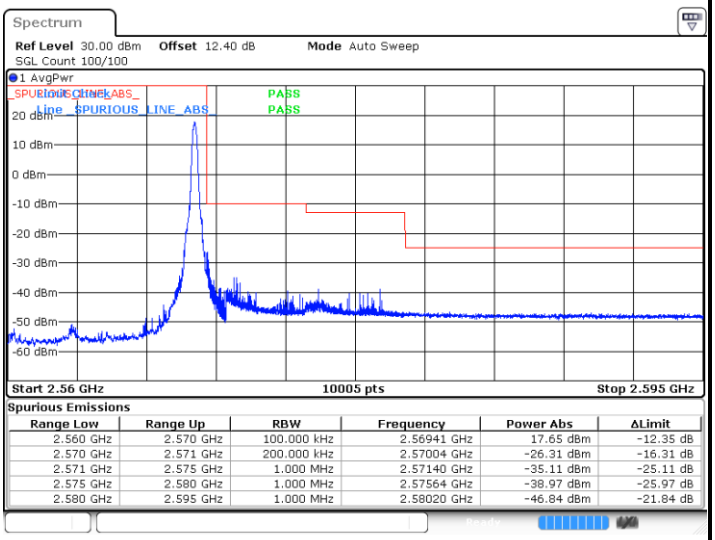


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48645 GHz	-43.51 dBm	-18.51 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49277 GHz	-39.77 dBm	-26.77 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49870 GHz	-35.93 dBm	-25.93 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-26.85 dBm	-16.85 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	17.33 dBm	-12.67 dB

Date: 23.FEB.2021 01:31:00

Highest Band Edge / 1 RB

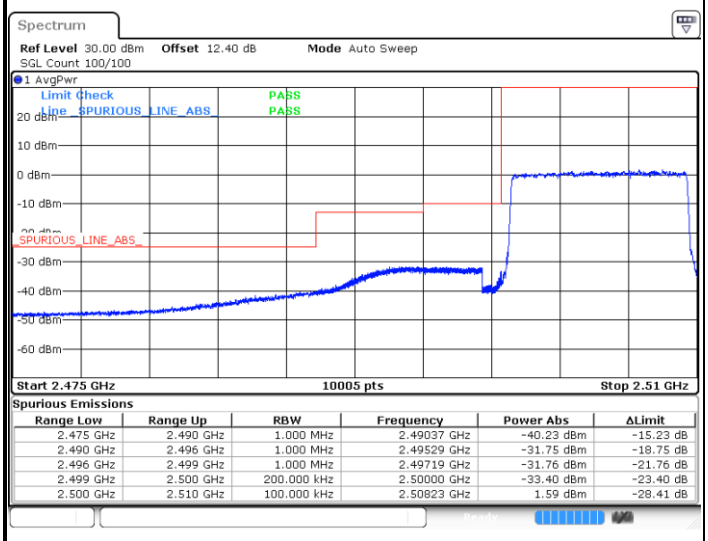


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	17.65 dBm	-12.35 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57004 GHz	-26.31 dBm	-16.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57140 GHz	-35.11 dBm	-25.11 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57564 GHz	-38.97 dBm	-25.97 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58020 GHz	-46.84 dBm	-21.84 dB

Date: 23.FEB.2021 01:37:49

Lowest Band Edge / Full RB

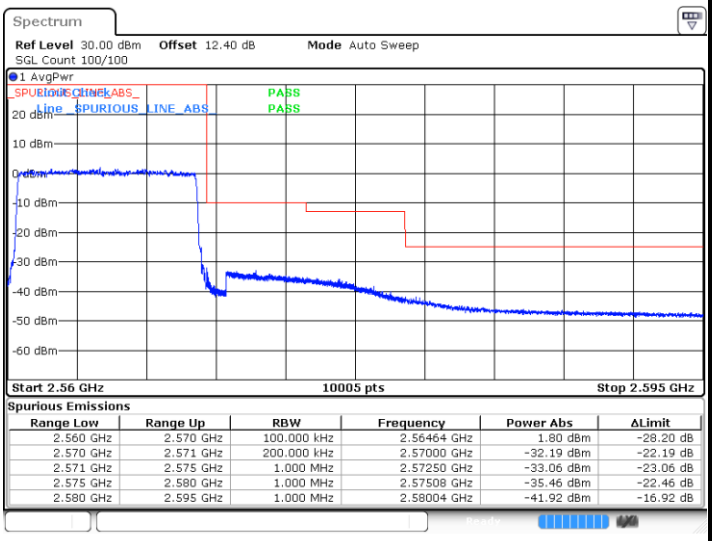


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-40.23 dBm	-15.23 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49529 GHz	-31.75 dBm	-18.75 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49719 GHz	-31.76 dBm	-21.76 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-33.40 dBm	-23.40 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50823 GHz	1.59 dBm	-28.41 dB

Date: 23.FEB.2021 01:32:15

Highest Band Edge / Full RB



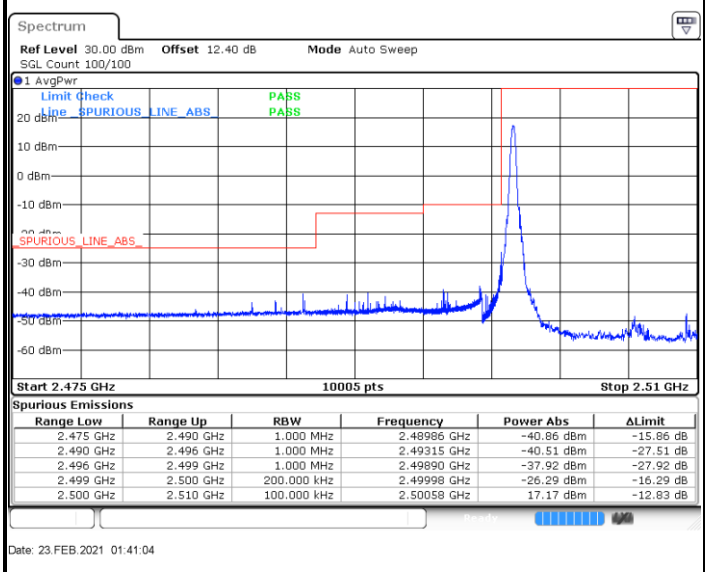
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56464 GHz	1.80 dBm	-28.20 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-32.19 dBm	-22.19 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57250 GHz	-33.06 dBm	-23.06 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57508 GHz	-35.46 dBm	-22.46 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58004 GHz	-41.92 dBm	-16.92 dB

Date: 23.FEB.2021 01:39:04

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

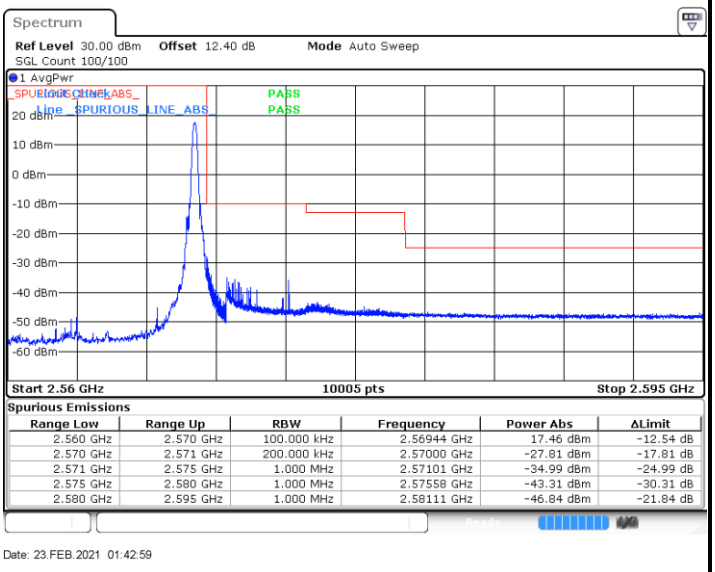


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48986 GHz	-40.86 dBm	-15.86 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49315 GHz	-40.51 dBm	-27.51 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-37.92 dBm	-27.92 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-26.29 dBm	-16.29 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	17.17 dBm	-12.83 dB

Date: 23.FEB.2021 01:41:04

Highest Band Edge / 1 RB

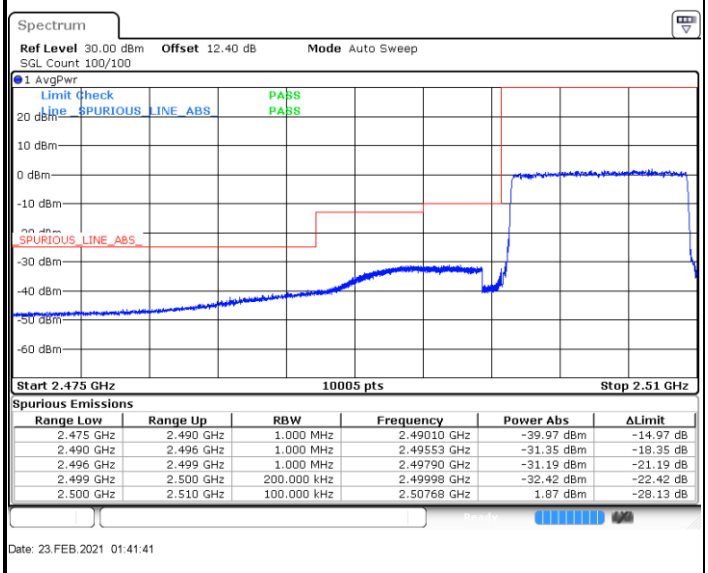


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56944 GHz	17.46 dBm	-12.54 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-27.81 dBm	-17.81 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-34.99 dBm	-24.99 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57558 GHz	-43.31 dBm	-30.31 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58111 GHz	-46.84 dBm	-21.84 dB

Date: 23.FEB.2021 01:42:59

Lowest Band Edge / Full RB

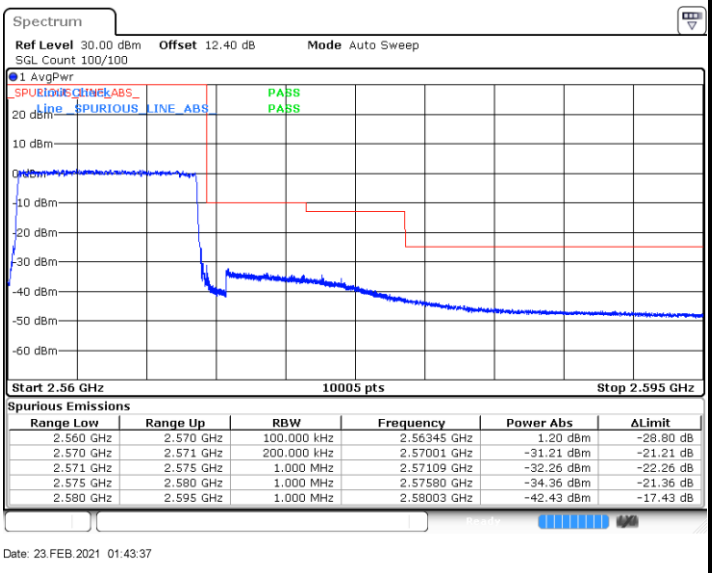


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49010 GHz	-39.97 dBm	-14.97 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49553 GHz	-31.35 dBm	-18.35 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49790 GHz	-31.19 dBm	-21.19 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-32.42 dBm	-22.42 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50768 GHz	1.87 dBm	-28.13 dB

Date: 23.FEB.2021 01:41:41

Highest Band Edge / Full RB



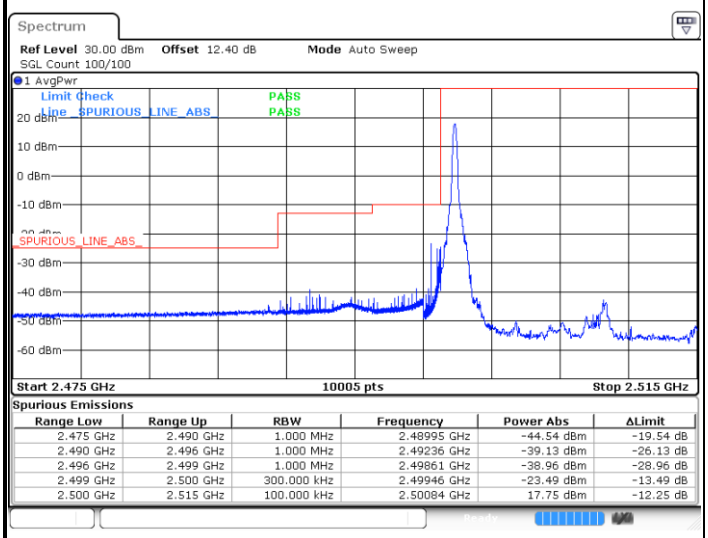
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56345 GHz	1.20 dBm	-28.80 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-31.21 dBm	-21.21 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-32.26 dBm	-22.26 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57580 GHz	-34.36 dBm	-21.36 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58003 GHz	-42.43 dBm	-17.43 dB

Date: 23.FEB.2021 01:43:37

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

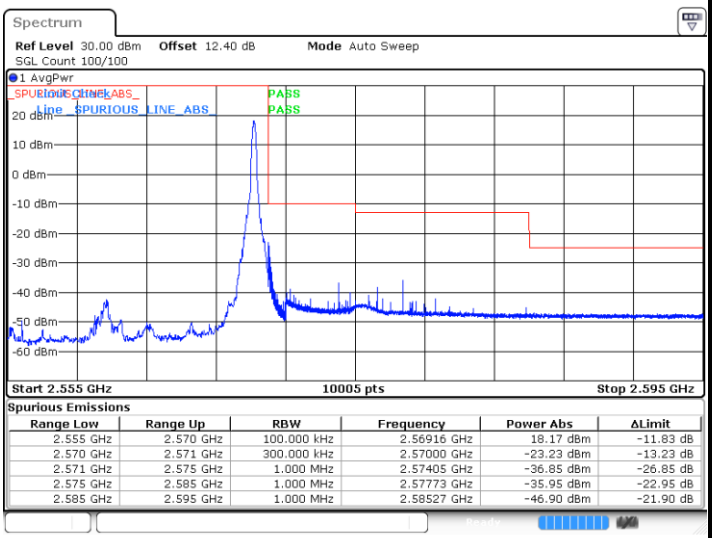


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-44.54 dBm	-19.54 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49236 GHz	-39.13 dBm	-26.13 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49861 GHz	-38.96 dBm	-28.96 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49946 GHz	-23.49 dBm	-13.49 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	17.75 dBm	-12.25 dB

Date: 23.FEB.2021 02:11:37

Highest Band Edge / 1 RB

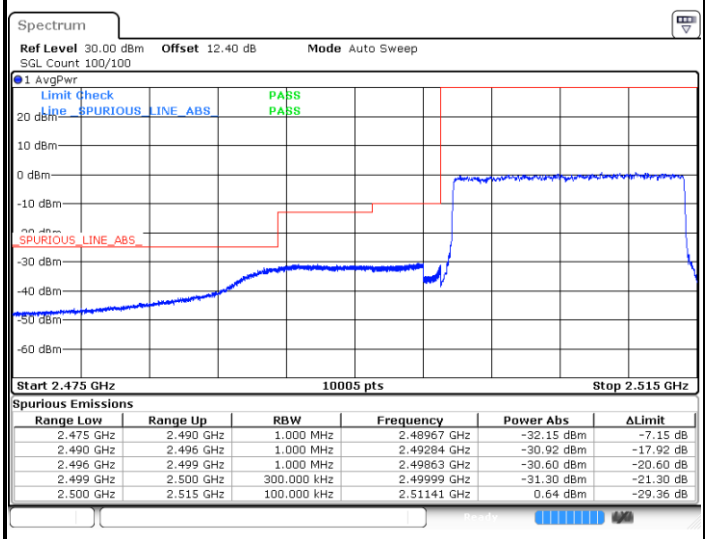


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	18.17 dBm	-11.83 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-23.23 dBm	-13.23 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57405 GHz	-36.85 dBm	-26.85 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57773 GHz	-35.95 dBm	-22.95 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58527 GHz	-46.90 dBm	-21.90 dB

Date: 23.FEB.2021 02:18:28

Lowest Band Edge / Full RB

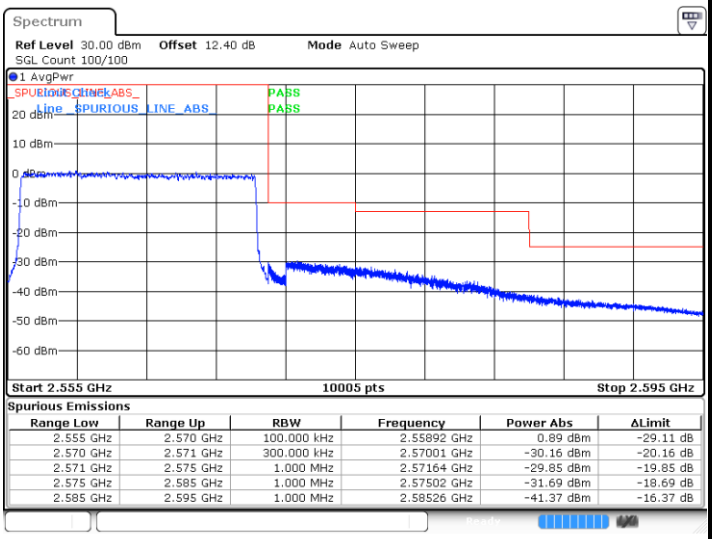


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48967 GHz	-32.15 dBm	-7.15 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49284 GHz	-30.92 dBm	-17.92 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49863 GHz	-30.60 dBm	-20.60 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-31.30 dBm	-21.30 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51141 GHz	0.64 dBm	-29.36 dB

Date: 23.FEB.2021 02:12:53

Highest Band Edge / Full RB



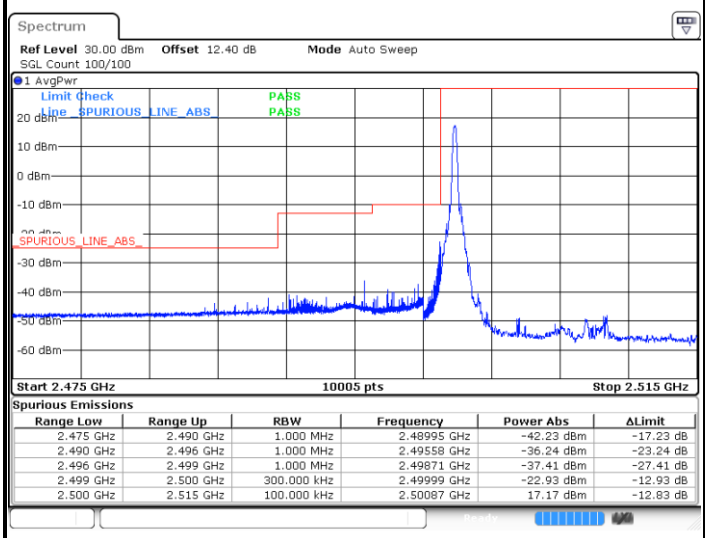
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55892 GHz	0.89 dBm	-29.11 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-30.16 dBm	-20.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57164 GHz	-29.85 dBm	-19.85 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57502 GHz	-31.69 dBm	-18.69 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58526 GHz	-41.37 dBm	-16.37 dB

Date: 23.FEB.2021 02:19:43

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

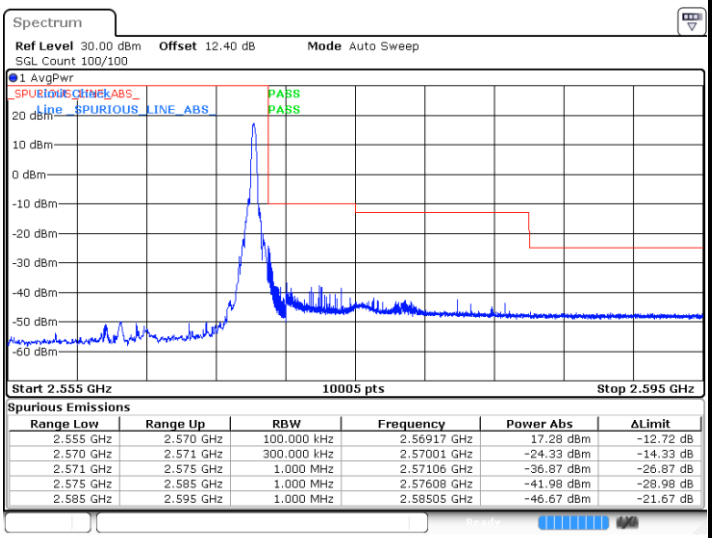


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-42.23 dBm	-17.23 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49558 GHz	-36.24 dBm	-23.24 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49871 GHz	-37.41 dBm	-27.41 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-22.93 dBm	-12.93 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	17.17 dBm	-12.83 dB

Date: 23.FEB.2021 02:12:15

Highest Band Edge / 1 RB

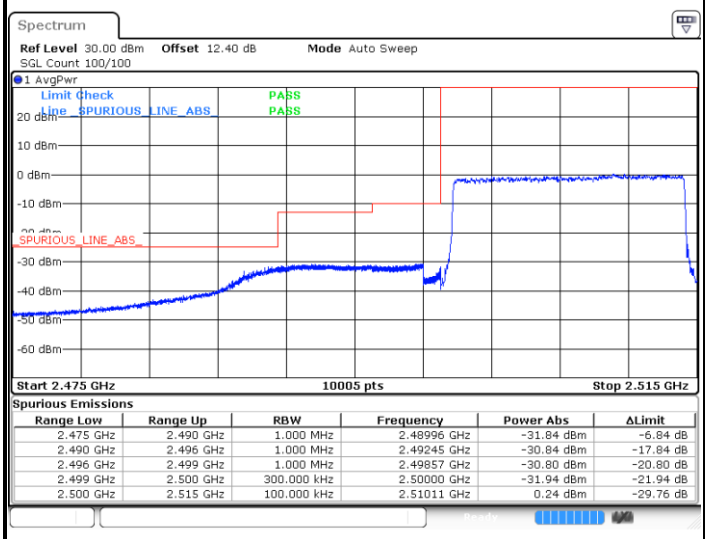


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	17.28 dBm	-12.72 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-24.33 dBm	-14.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-36.87 dBm	-26.87 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57608 GHz	-41.98 dBm	-28.98 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-46.67 dBm	-21.67 dB

Date: 23.FEB.2021 02:19:05

Lowest Band Edge / Full RB

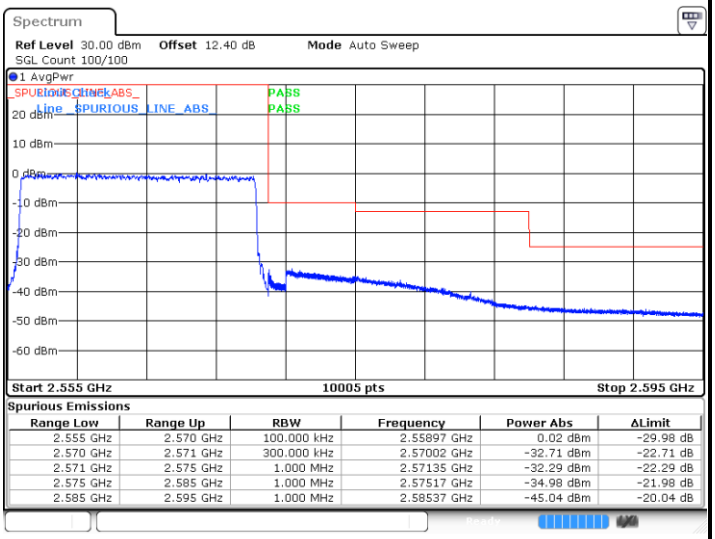


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48996 GHz	-31.84 dBm	-6.84 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49245 GHz	-30.84 dBm	-17.84 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49857 GHz	-30.80 dBm	-20.80 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-31.94 dBm	-21.94 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51011 GHz	0.24 dBm	-29.76 dB

Date: 23.FEB.2021 02:13:31

Highest Band Edge / Full RB



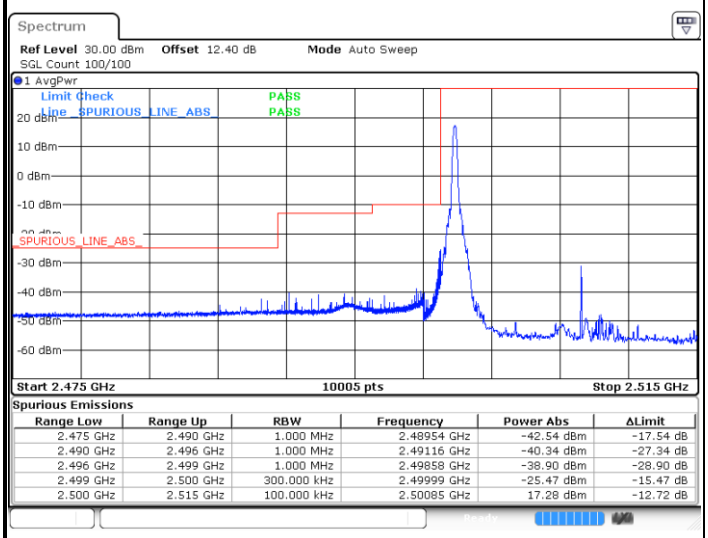
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55897 GHz	0.02 dBm	-29.98 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-32.71 dBm	-22.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57135 GHz	-32.29 dBm	-22.29 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57517 GHz	-34.98 dBm	-21.98 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58537 GHz	-45.04 dBm	-20.04 dB

Date: 23.FEB.2021 02:20:20

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

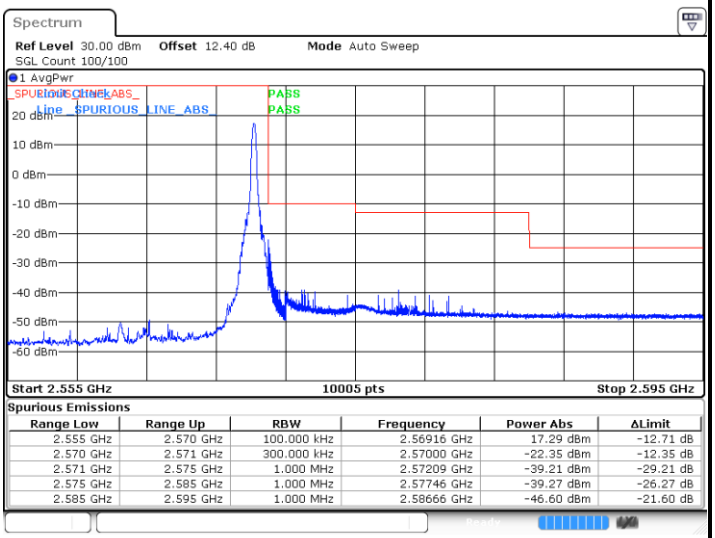


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48954 GHz	-42.54 dBm	-17.54 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49116 GHz	-40.34 dBm	-27.34 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49858 GHz	-38.90 dBm	-28.90 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-25.47 dBm	-15.47 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	17.28 dBm	-12.72 dB

Date: 23.FEB.2021 02:22:20

Highest Band Edge / 1 RB

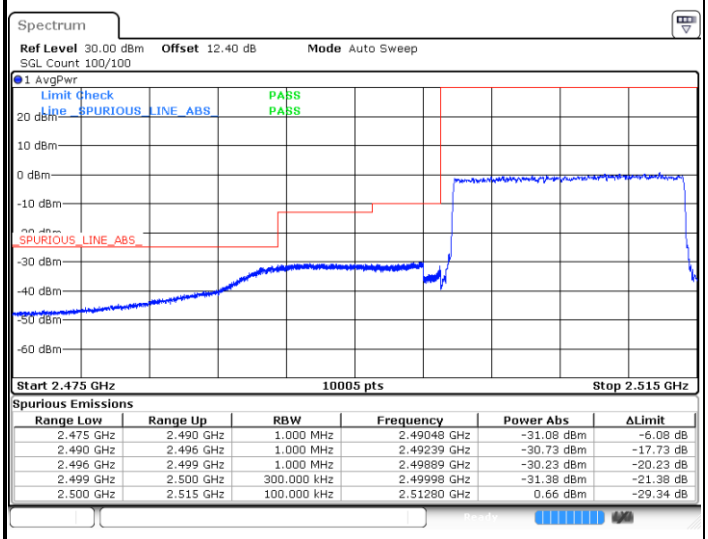


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	17.29 dBm	-12.71 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-22.35 dBm	-12.35 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57209 GHz	-39.21 dBm	-29.21 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57746 GHz	-39.27 dBm	-26.27 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58666 GHz	-46.60 dBm	-21.60 dB

Date: 23.FEB.2021 02:24:16

Lowest Band Edge / Full RB

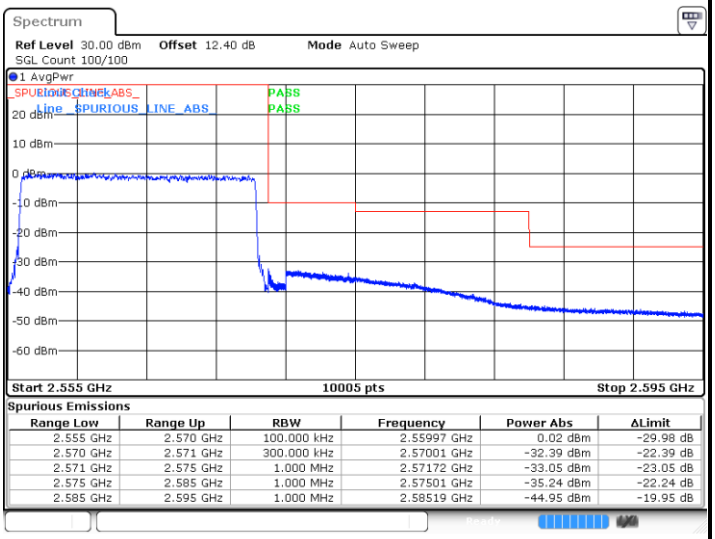


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-31.08 dBm	-6.08 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49239 GHz	-30.73 dBm	-17.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-30.23 dBm	-20.23 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-31.38 dBm	-21.38 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51280 GHz	0.66 dBm	-29.34 dB

Date: 23.FEB.2021 02:22:58

Highest Band Edge / Full RB



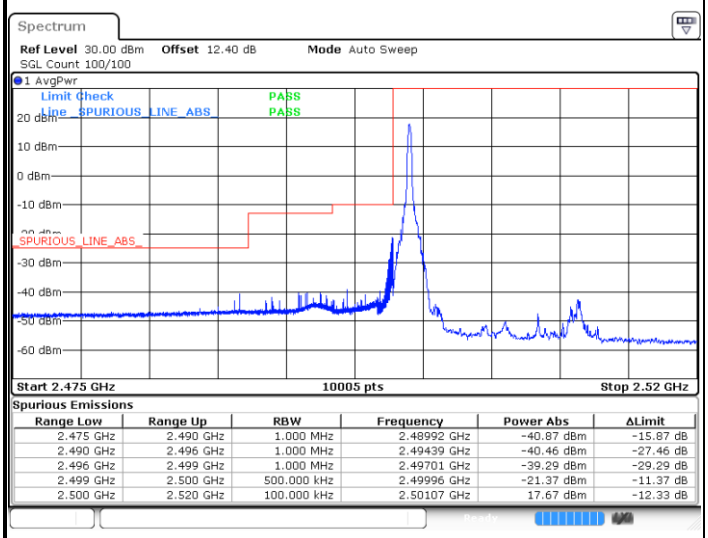
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55997 GHz	0.02 dBm	-29.98 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-32.39 dBm	-22.39 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57172 GHz	-33.05 dBm	-23.05 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57501 GHz	-35.24 dBm	-22.24 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58519 GHz	-44.95 dBm	-19.95 dB

Date: 23.FEB.2021 02:24:54

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

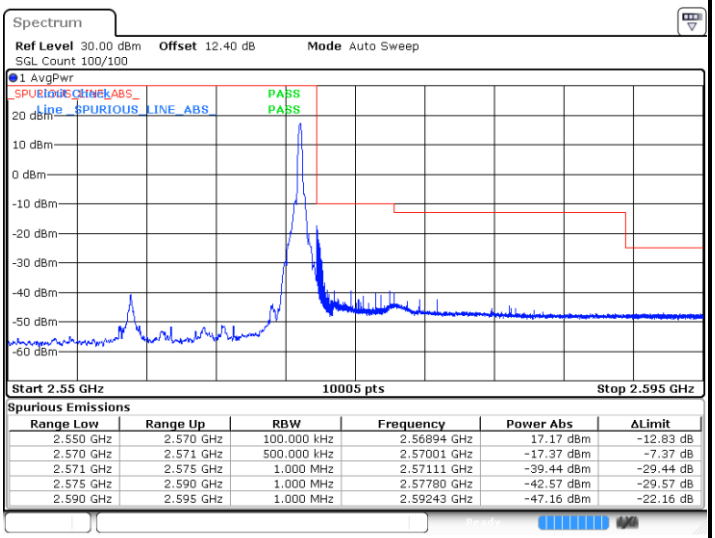


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48992 GHz	-40.87 dBm	-15.87 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49439 GHz	-40.46 dBm	-27.46 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49701 GHz	-39.29 dBm	-29.29 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49996 GHz	-21.37 dBm	-11.37 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50107 GHz	17.67 dBm	-12.33 dB

Date: 23.FEB.2021 02:55:25

Highest Band Edge / 1 RB

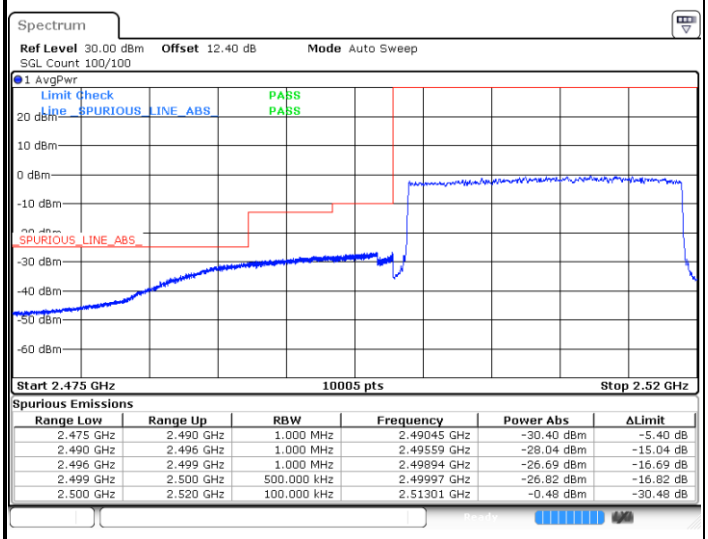


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	17.17 dBm	-12.83 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-17.37 dBm	-7.37 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-39.44 dBm	-29.44 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57780 GHz	-42.57 dBm	-29.57 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59243 GHz	-47.16 dBm	-22.16 dB

Date: 23.FEB.2021 03:02:16

Lowest Band Edge / Full RB

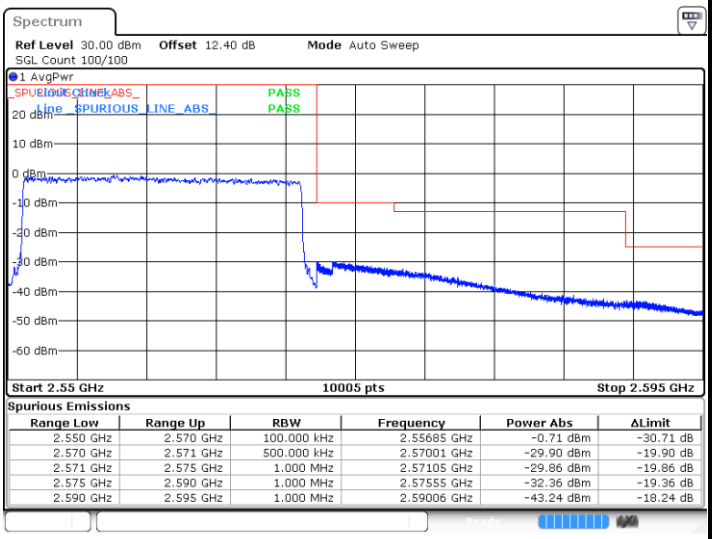


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-30.40 dBm	-5.40 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49559 GHz	-28.04 dBm	-15.04 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-26.69 dBm	-16.69 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-26.82 dBm	-16.82 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51301 GHz	-0.48 dBm	-30.48 dB

Date: 23.FEB.2021 02:56:41

Highest Band Edge / Full RB



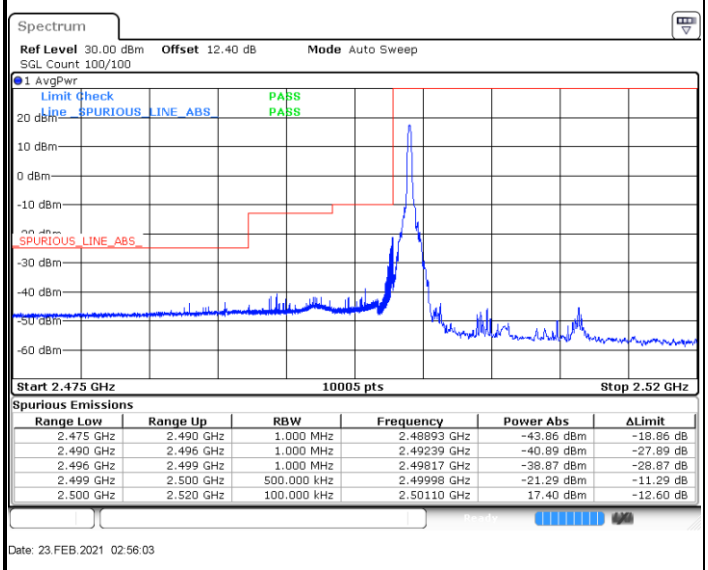
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55685 GHz	-0.71 dBm	-30.71 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-29.90 dBm	-19.90 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-29.86 dBm	-19.86 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57555 GHz	-32.36 dBm	-19.36 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59006 GHz	-43.24 dBm	-18.24 dB

Date: 23.FEB.2021 03:04:09

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

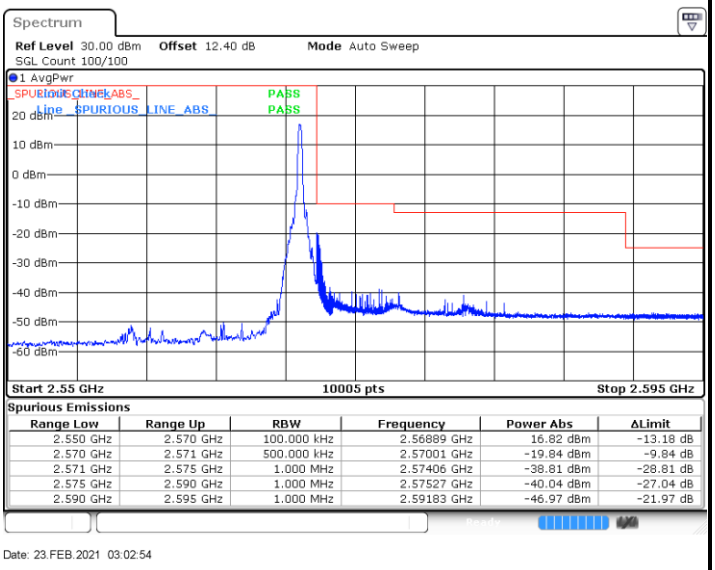


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48893 GHz	-43.86 dBm	-18.86 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49239 GHz	-40.89 dBm	-27.89 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49817 GHz	-38.87 dBm	-28.87 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-21.29 dBm	-11.29 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	17.40 dBm	-12.60 dB

Date: 23.FEB.2021 02:56:03

Highest Band Edge / 1 RB

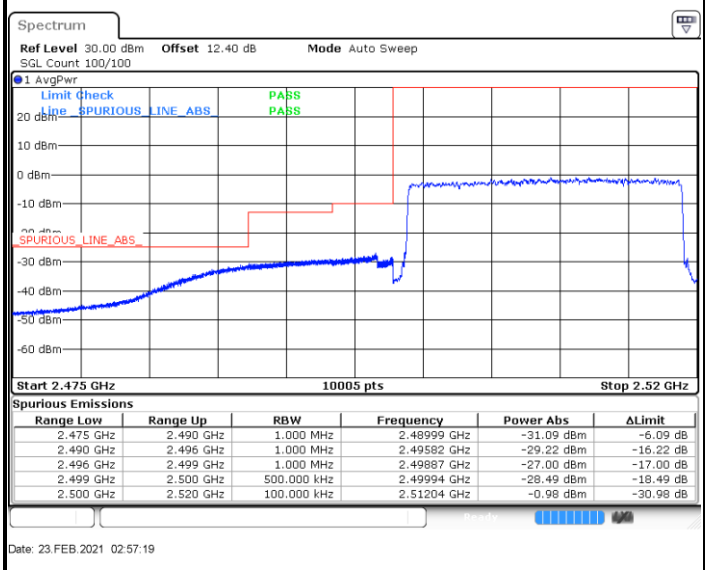


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	16.82 dBm	-13.18 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-19.84 dBm	-9.84 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57406 GHz	-38.81 dBm	-28.81 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57527 GHz	-40.04 dBm	-27.04 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59183 GHz	-46.97 dBm	-21.97 dB

Date: 23.FEB.2021 03:02:54

Lowest Band Edge / Full RB

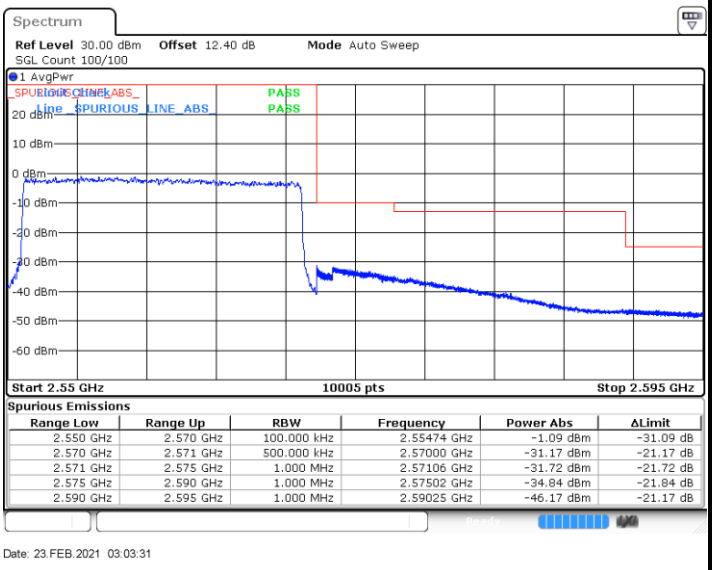


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48999 GHz	-31.09 dBm	-6.09 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49582 GHz	-29.22 dBm	-16.22 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-27.00 dBm	-17.00 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49994 GHz	-28.49 dBm	-18.49 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51204 GHz	-0.98 dBm	-30.98 dB

Date: 23.FEB.2021 02:57:19

Highest Band Edge / Full RB



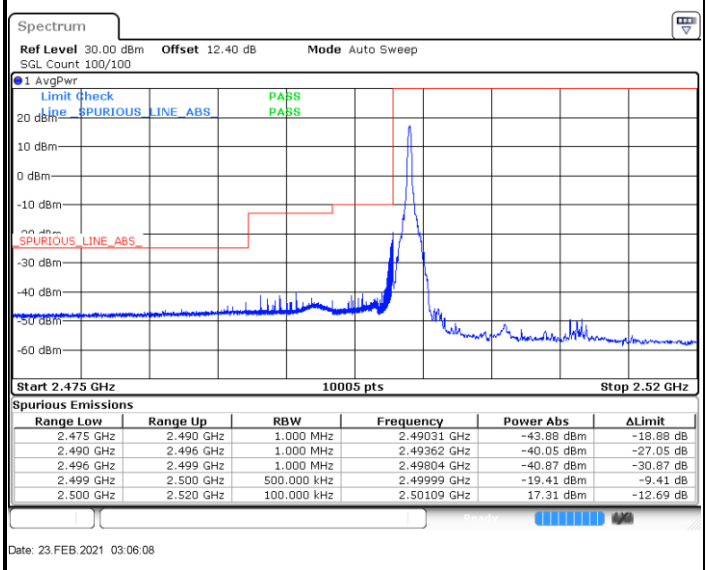
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55474 GHz	-1.09 dBm	-31.09 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-31.17 dBm	-21.17 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-31.72 dBm	-21.72 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57502 GHz	-34.84 dBm	-21.84 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59025 GHz	-46.17 dBm	-21.17 dB

Date: 23.FEB.2021 03:03:31

LTE Band 7 / 20MHz / 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	2.49031 GHz	-43.88 dBm	-18.88 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49362 GHz	-40.05 dBm	-27.05 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49804 GHz	-40.87 dBm	-30.87 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-19.41 dBm	-9.41 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	17.31 dBm	-12.69 dB

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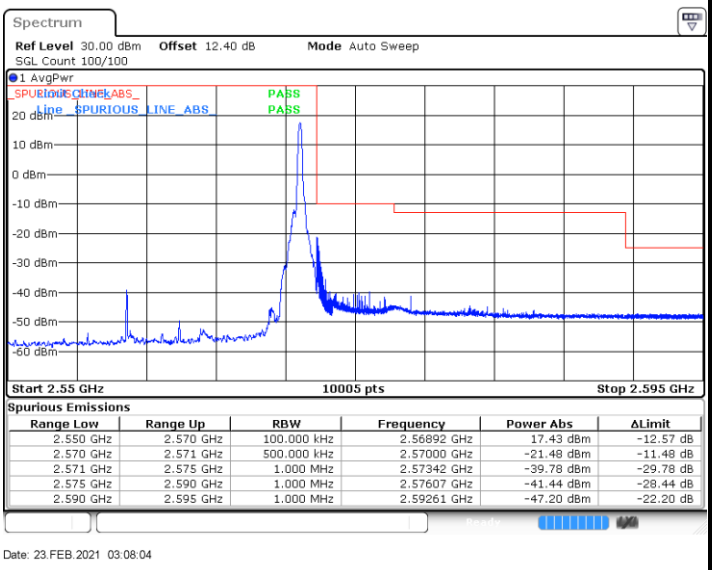
Highest Band Edge / 1 RB

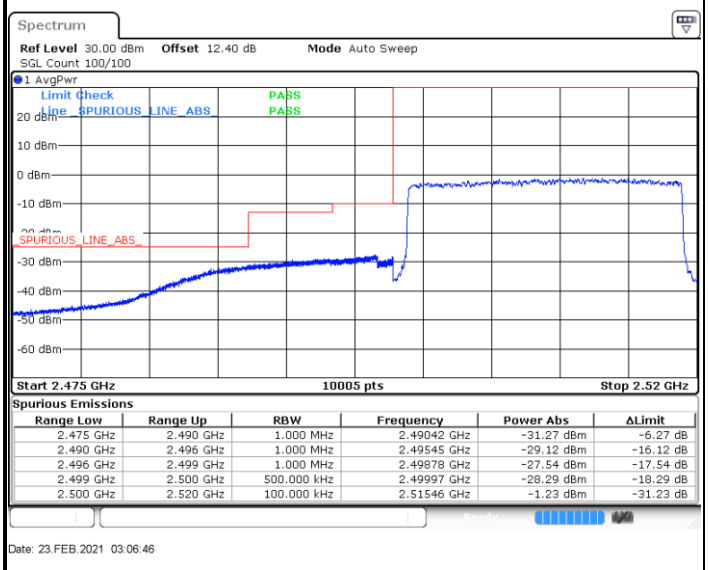


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	17.43 dBm	-12.57 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-21.48 dBm	-11.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57342 GHz	-39.78 dBm	-29.78 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57607 GHz	-41.44 dBm	-28.44 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59261 GHz	-47.20 dBm	-22.20 dB

Date: 23.FEB.2021 03:08:04

Lowest Band Edge / Full RB

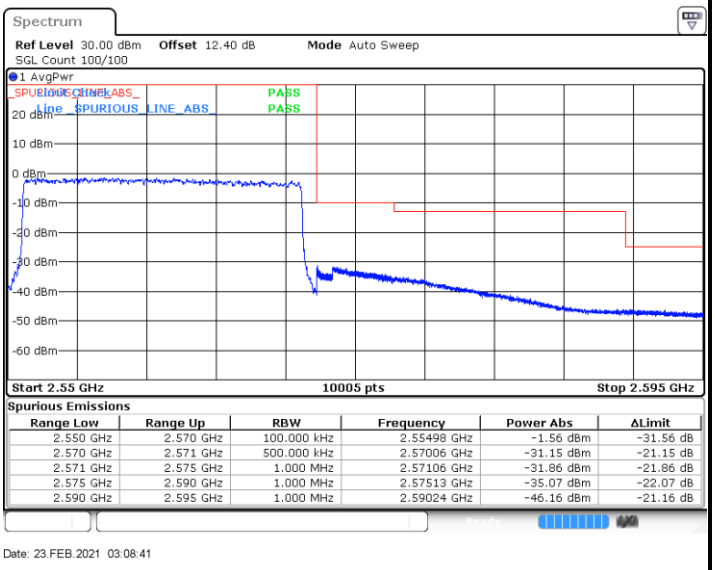


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-31.27 dBm	-6.27 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49545 GHz	-29.12 dBm	-16.12 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49878 GHz	-27.54 dBm	-17.54 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-28.29 dBm	-18.29 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51546 GHz	-1.23 dBm	-31.23 dB

Date: 23.FEB.2021 03:06:46

Highest Band Edge / Full RB



Spurious Emissions

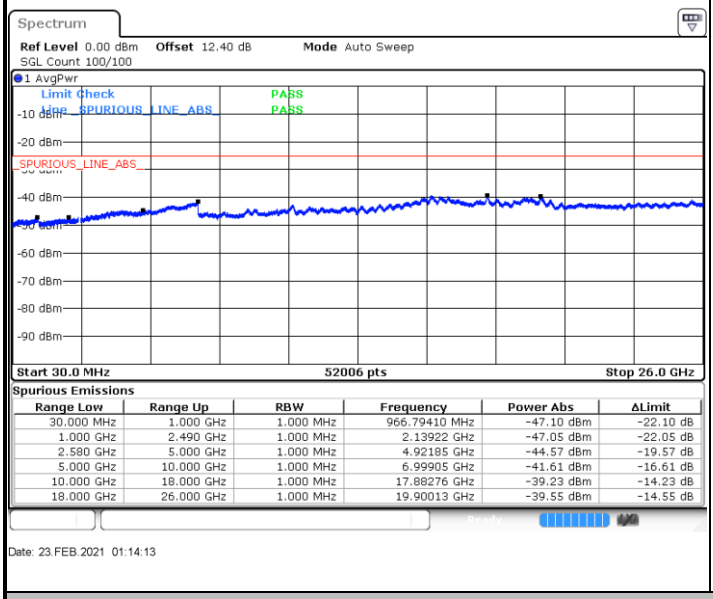
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55498 GHz	-1.56 dBm	-31.56 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57006 GHz	-31.15 dBm	-21.15 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-31.86 dBm	-21.86 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57513 GHz	-35.07 dBm	-22.07 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59024 GHz	-46.16 dBm	-21.16 dB

Date: 23.FEB.2021 03:08:41

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

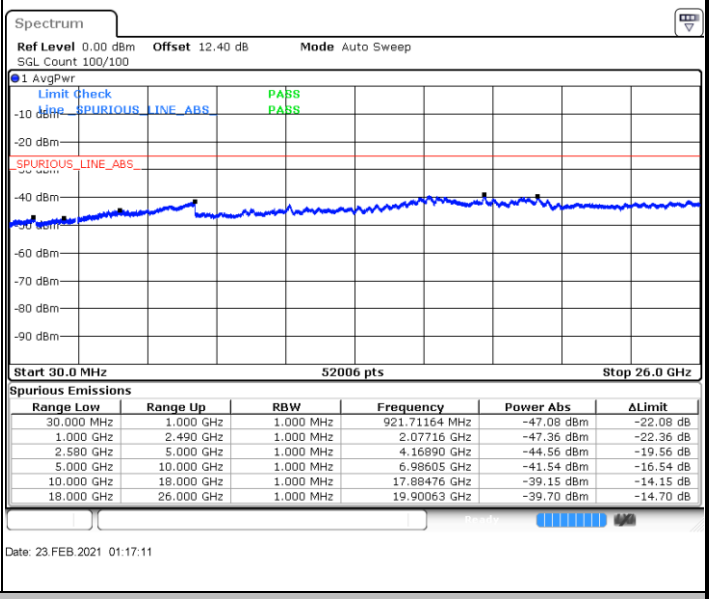


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-47.10 dBm	-22.10 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13922 GHz	-47.05 dBm	-22.05 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92185 GHz	-44.57 dBm	-19.57 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99905 GHz	-41.61 dBm	-16.61 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88276 GHz	-39.23 dBm	-14.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90013 GHz	-39.55 dBm	-14.55 dB

Date: 23.FEB.2021 01:14:13

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-47.08 dBm	-22.08 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.07716 GHz	-47.36 dBm	-22.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.16890 GHz	-44.56 dBm	-19.56 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98605 GHz	-41.54 dBm	-16.54 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88476 GHz	-39.15 dBm	-14.15 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90063 GHz	-39.70 dBm	-14.70 dB

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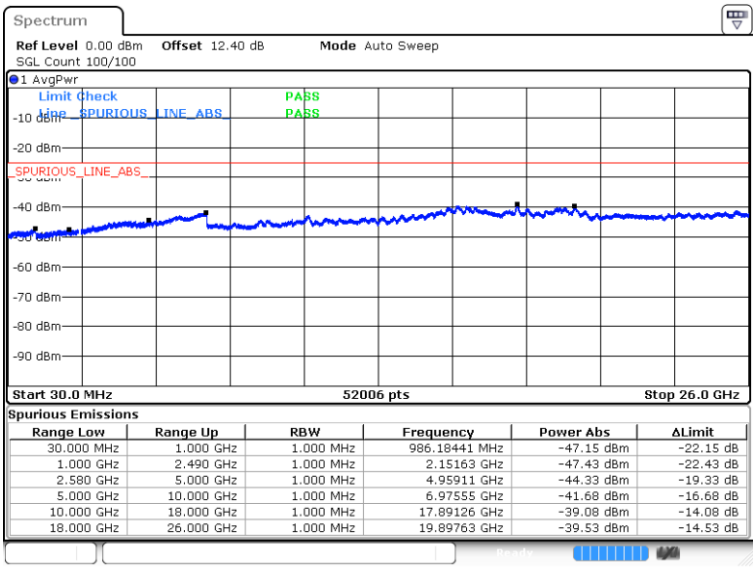
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-47.15 dBm	-22.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15163 GHz	-47.43 dBm	-22.43 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95911 GHz	-44.33 dBm	-19.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97555 GHz	-41.68 dBm	-16.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89126 GHz	-39.08 dBm	-14.08 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89763 GHz	-39.53 dBm	-14.53 dB

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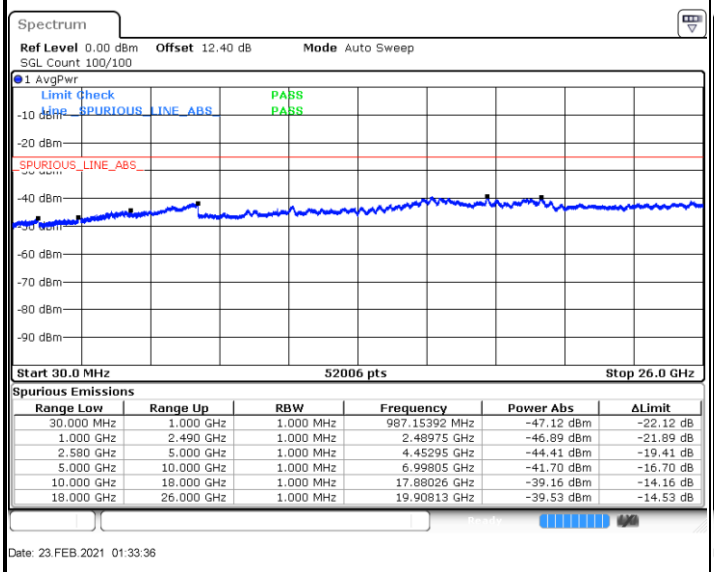
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.12 dBm	-22.12 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.89 dBm	-21.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.45295 GHz	-44.41 dBm	-19.41 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99805 GHz	-41.70 dBm	-16.70 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88026 GHz	-39.16 dBm	-14.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90813 GHz	-39.53 dBm	-14.53 dB

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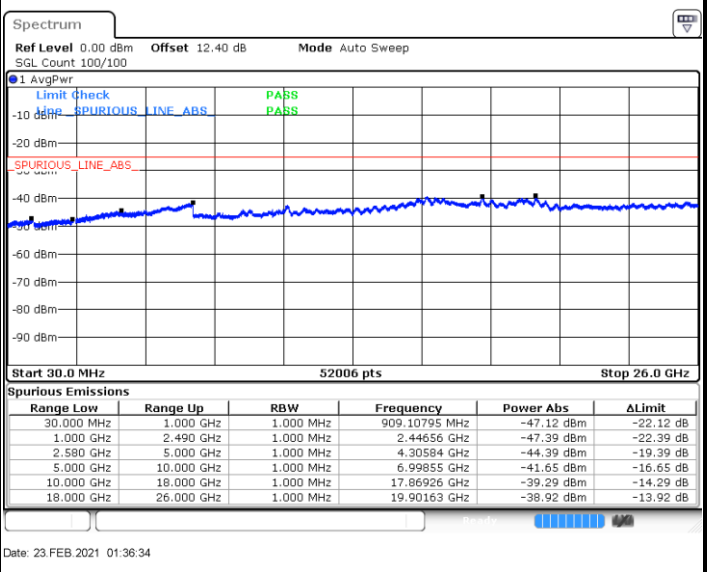
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.10795 MHz	-47.12 dBm	-22.12 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44656 GHz	-47.39 dBm	-22.39 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30584 GHz	-44.39 dBm	-19.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99855 GHz	-41.65 dBm	-16.65 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86926 GHz	-39.29 dBm	-14.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90163 GHz	-38.92 dBm	-13.92 dB

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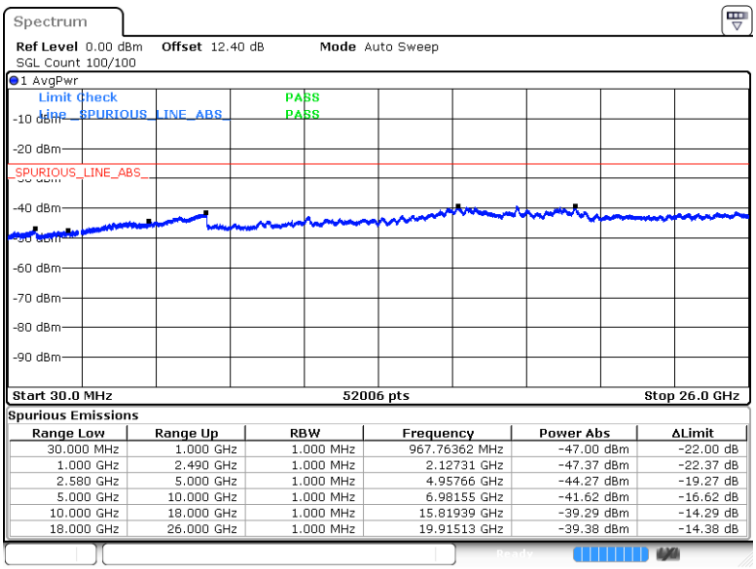
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-47.00 dBm	-22.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.12731 GHz	-47.37 dBm	-22.37 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95766 GHz	-44.27 dBm	-19.27 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98155 GHz	-41.62 dBm	-16.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.81939 GHz	-39.29 dBm	-14.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91513 GHz	-39.38 dBm	-14.38 dB

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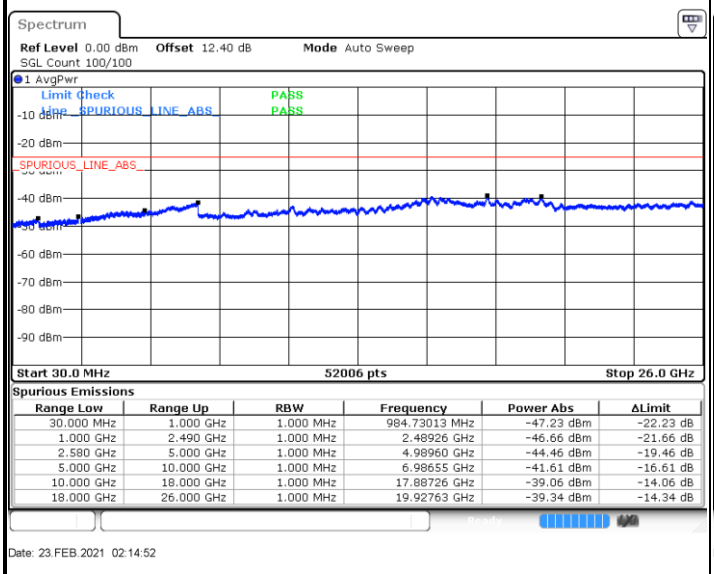
LTE Band 7 / 15MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-47.23 dBm	-22.23 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.66 dBm	-21.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98960 GHz	-44.46 dBm	-19.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98655 GHz	-41.61 dBm	-16.61 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.88726 GHz	-39.06 dBm	-14.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.92763 GHz	-39.34 dBm	-14.34 dB

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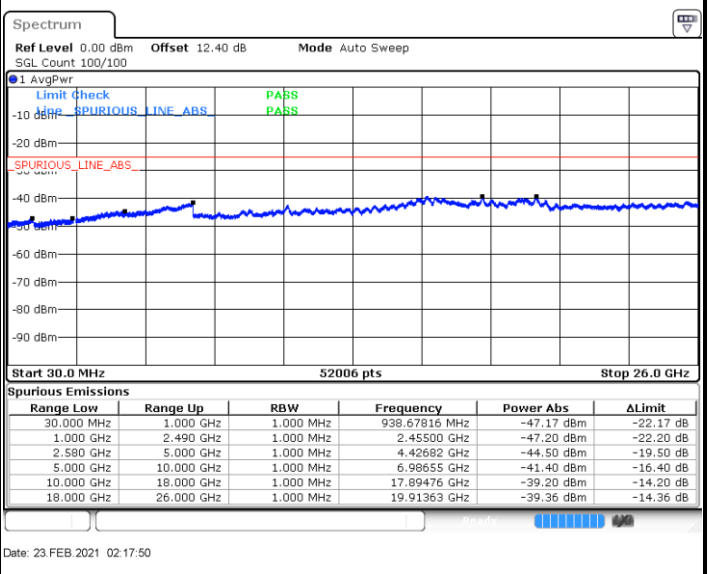
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-47.17 dBm	-22.17 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45500 GHz	-47.20 dBm	-22.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.42682 GHz	-44.50 dBm	-19.50 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98655 GHz	-41.40 dBm	-16.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89476 GHz	-39.20 dBm	-14.20 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91363 GHz	-39.36 dBm	-14.36 dB

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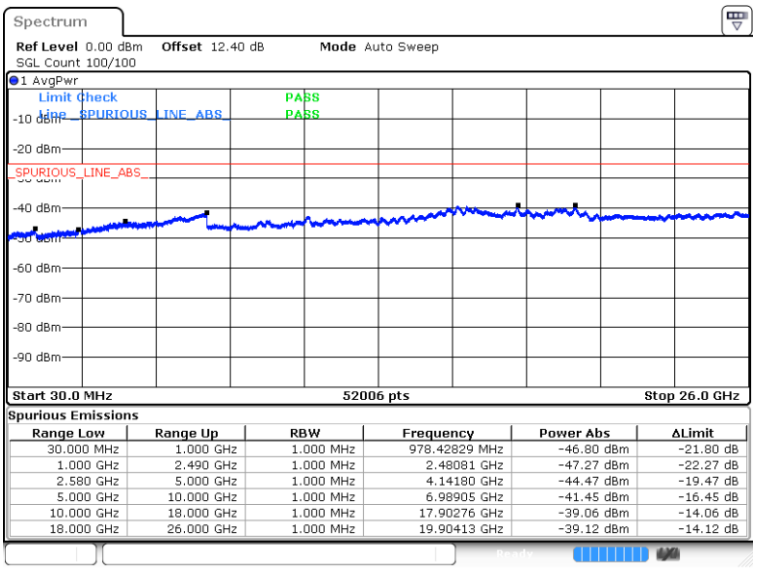
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-46.80 dBm	-21.80 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48081 GHz	-47.27 dBm	-22.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.14180 GHz	-44.47 dBm	-19.47 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98905 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90276 GHz	-39.06 dBm	-14.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90413 GHz	-39.12 dBm	-14.12 dB

Date: 23.FEB.2021 02:21:41