



FCC RADIO TEST REPORT

FCC ID : PY7-86211X
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 Feb. 23, 2021 and testing was started from Mar. 22, 2021 and completed on Apr. 19, 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 spot check 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
FG0D2213A	01	Initial issue of report	Apr. 28, 2021
FG0D2213A	02	Revise description in summary	May 07, 2021



Summary of Test Result

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



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	Under limit 17.76 dB at 10684.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		

Remark:

1. The FCC ID: PY7-07452G and FCC ID: PY7-86211X are HW identical, the difference is only SW, and each supported bands are handled by only SW. Only LTE Band 2, 4, 25, 41, 66, 71 for Main Antenna and LTE Band 5, 13, 26 for Sub Antenna are added in this report.
2. Except LTE Band 2, 4, 5, 13, 25, 26, 41, 66, 71 full test in this report are carrying out, the FG0D2213A report reuses test data for LTE Band 7, 12, 17 from the FG0D2212B.

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: Yimin Ho



1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE/5G NR, 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	<p><Main></p> <p>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 41: -1.09 dBi LTE Band 66: -2.02 dBi LTE Band 71: -6.51 dBi</p> <p><Sub></p> <p>LTE Band 5: -3.60 dBi LTE Band 13: -3.94 dBi LTE Band 26: -3.60 dBi</p>

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	0.622	QV7200126T	Conducted Measurement
	0.634	QV7200HN6T	Radiated Spurious Emission
	0.622	QV72007L6T	ERP/EIRP 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:

- Above EUT list used are electrically identical per declared by manufacturer.
- 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.
- 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

<Main>

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	-	-	0.2275	-	-	0.1841	-	-	0.1406
3	1851.5 ~ 1908.5	-	-	0.2275	-	-	0.1841	-	-	0.1439
5	1852.5 ~ 1907.5	-	-	0.2254	-	-	0.1824	-	-	0.1435
10	1855.0 ~ 1905.0	-	-	0.2239	-	-	0.1828	-	-	0.1413
15	1857.5 ~ 1902.5	-	-	0.2254	-	-	0.1803	-	-	0.1409
20	1860.0 ~ 1900.0	-	-	0.2280	-	-	0.1820	-	-	0.1406
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	-	-	0.1730	-	-	0.1371	-	-	0.1057
3	1711.5~1753.5	-	-	0.1706	-	-	0.1384	-	-	0.1084
5	1712.5~1752.5	-	-	0.1698	-	-	0.1361	-	-	0.1069
10	1715.0~1750.0	-	-	0.1687	-	-	0.1371	-	-	0.1069
15	1717.5~1747.5	-	-	0.1726	-	-	0.1384	-	-	0.1062
20	1720.0~1745.0	-	-	0.1738	-	-	0.1400	-	-	0.1072
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	-	0.2265	1M09W7D	-	0.1841	1M09W7D	-	0.1409
3	1851.5 ~ 1913.5	2M72G7D	-	0.2275	2M71W7D	-	0.1845	2M73W7D	-	0.1435
5	1852.5 ~ 1912.5	4M47G7D	-	0.2244	4M50W7D	-	0.1820	4M48W7D	-	0.1419
10	1855.0 ~ 1910.0	8M97G7D	0.0055	0.2239	9M01W7D	-	0.1820	9M01W7D	-	0.1416
15	1857.5 ~ 1907.5	13M4G7D	-	0.2254	13M4W7D	-	0.1791	13M5W7D	-	0.1409
20	1860.0 ~ 1905.0	17M9G7D	-	0.2280	17M8W7D	-	0.1799	17M9W7D	-	0.1390



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	-	0.2148	4M50W7D	-	0.1618	4M52W7D	-	0.1233
10	2501.0 ~ 2685.0	9M01G7D	0.0046	0.2143	8M95W7D	-	0.1648	9M01W7D	-	0.1256
15	2503.5 ~ 2682.5	13M5G7D	-	0.2148	13M5W7D	-	0.1648	13M4W7D	-	0.1222
20	2506.0 ~ 2680.0	17M9G7D	-	0.2153	17M8W7D	-	0.1633	17M8W7D	-	0.1194
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	-	0.1726	1M09W7D	-	0.1396	1M09W7D	-	0.1067
3	1711.5 ~ 1778.5	2M72G7D	-	0.1722	2M73W7D	-	0.1384	2M72W7D	-	0.1079
5	1712.5 ~ 1777.5	4M49G7D	-	0.1702	4M48W7D	-	0.1377	4M49W7D	-	0.1064
10	1715.0 ~ 1775.0	9M01G7D	0.0084	0.1706	9M07W7D	-	0.1387	9M03W7D	-	0.1069
15	1717.5 ~ 1772.5	13M5G7D	-	0.1714	13M4W7D	-	0.1365	13M5W7D	-	0.1057
20	1720.0 ~ 1770.0	17M9G7D	-	0.1730	17M9W7D	-	0.1390	17M9W7D	-	0.1067
LTE Band 71		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	665.5 ~ 695.5	4M47G7D	-	0.0379	4M50W7D	-	0.0298	4M49W7D	-	0.0235
10	668.0 ~ 693.0	9M01G7D	0.0179	0.0377	8M97W7D	-	0.0308	9M01W7D	-	0.0240
15	670.5 ~ 690.5	13M5G7D	-	0.0381	13M4W7D	-	0.0306	13M5W7D	-	0.0237
20	673.0 ~ 688.0	17M9G7D	-	0.0382	17M9W7D	-	0.0312	17M9W7D	-	0.0242



<Sub>

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	-	-	0.0656	-	-	0.0560	-	-	0.0441
3	825.5 ~ 847.5	-	-	0.0659	-	-	0.0570	-	-	0.0451
5	826.5 ~ 846.5	-	-	0.0656	-	-	0.0571	-	-	0.0448
10	829.0 ~ 844.0	-	-	0.0662	-	-	0.0569	-	-	0.0434
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	4M47G7D	-	0.0586	4M48W7D	-	0.0501	4M48W7D	-	0.0392
10	782.0	8M99G7D	0.0219	0.0587	9M03W7D	-	0.0502	9M01W7D	-	0.0394
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	-	0.0643	1M09W7D	-	0.0547	1M09W7D	-	0.0423
3	825.5 ~ 847.5	2M73G7D	-	0.0640	2M70W7D	-	0.0556	2M72W7D	-	0.0430
5	826.5 ~ 846.5	4M48G7D	-	0.0643	4M49W7D	-	0.0562	4M49W7D	-	0.0427
10	829.0 ~ 844.0	9M03G7D	0.0143	0.0638	9M01W7D	-	0.0560	9M09W7D	-	0.0442
15	831.5 ~ 841.5	13M4G7D	-	0.0646	13M4W7D	-	0.0551	13M5W7D	-	0.0420



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.
	TH02-HY
Test Engineer	Luffy Lin
Temperature	23.4~26°C
Relative Humidity	52~56%

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Lance Chiang and Chuan Chu
Temperature	21.3~24.5°C
Relative Humidity	54~65%
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786



1.5 Applicable Standards

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

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

Remark:

1. All 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 (Main: X plane for LTE Band 41, Y Plane for LTE Band 25, 66, 71, Z Plane for LTE Band 13 ; Sub: Z Plane for LTE Band 13, 26) 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
	13	-	-	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
	71	-	-	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														
	13	-	-		v	-	-	v	v	v			v			v
	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
	71						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														
	13	-	-	v	v	-	-	v	v	v			v		v	
	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	
	71	-	-	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														
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	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
	71	-	-	v	v	v	v	v	v	v	v		v	v		v

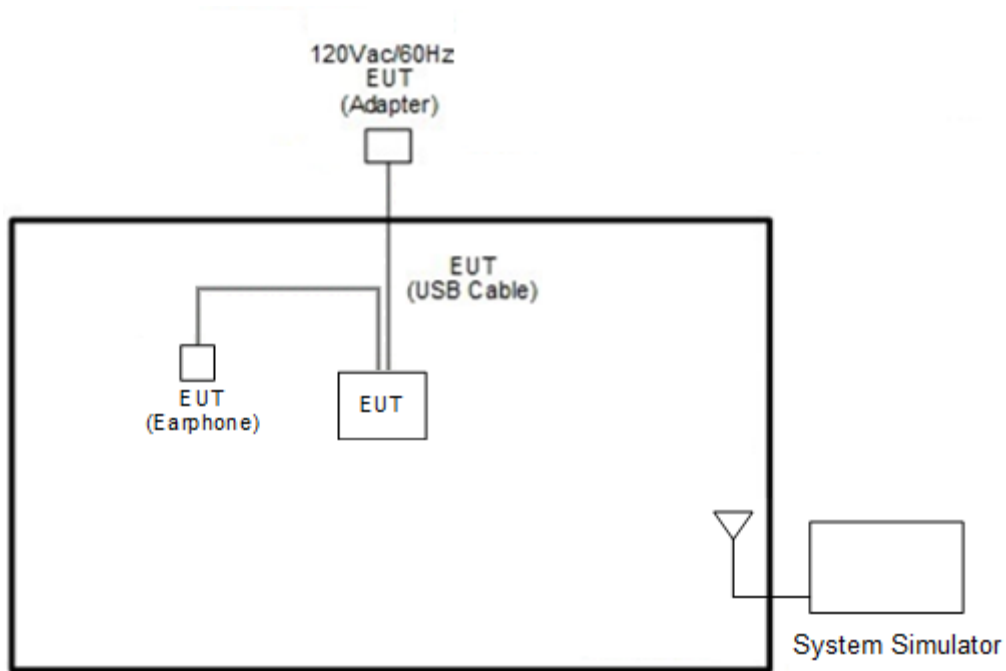


Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	Cover by LTE Band 25														
	4	Cover by LTE Band 66														
	5	Cover by LTE Band 26														
	13	-	-	v	v	-	-	v			v			v	v	v
	25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



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	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	Max. Power					
	5	v	v	v	v	-	-	v	v	v	Max. Power					
	13	-	-	v	v	-	-	v	v	v	Max. Power					
	25	v	v	v	v	v	v	v	v	v	Max. Power					
	26	v	v	v	v	v	-	v	v	v	Max. Power					
	41	-	-	v	v	v	v	v	v	v	Max. Power					
	66	v	v	v	v	v	v	v	v	v	Max. Power					
	71	-	-	v	v	v	v	v	v	v	Max. Power					
Radiated Spurious Emission	2	Cover by LTE Band 25														
	4	Cover by LTE Band 66														
	5	Cover by LTE Band 26														
	13	Worst Case											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	
	71	Worst Case											v	v	v	
Remark	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. 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. Wider operating range bandwidth and modulation the same covers narrower one when the power is higher or the same. We have evaluated simultaneous transmissions modes and determined no new significant emissions are observed. 															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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



2.5 Frequency List of Low/Middle/High Channels

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

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



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

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



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

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



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

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

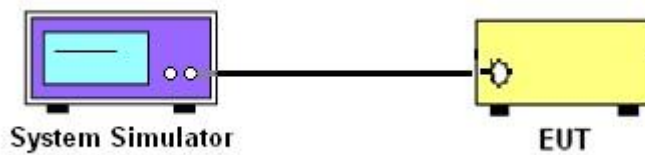
3 Conducted Test Items

3.1 Measuring Instruments

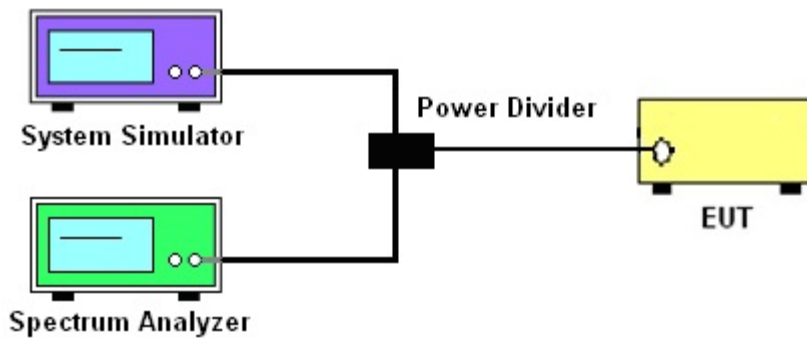
See list of measuring instruments of this test report.

3.1.1 Test Setup

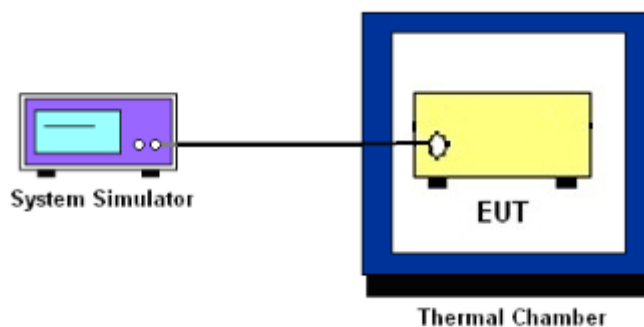
3.1.2 Conducted Output Power



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 13 and Band 71

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (c)

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

27.53 (g)

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

27.53 (h)

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

**27.53(m)(4)**

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less 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 \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

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

For LTE Band 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 41

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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

For LTE Band 41

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



3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

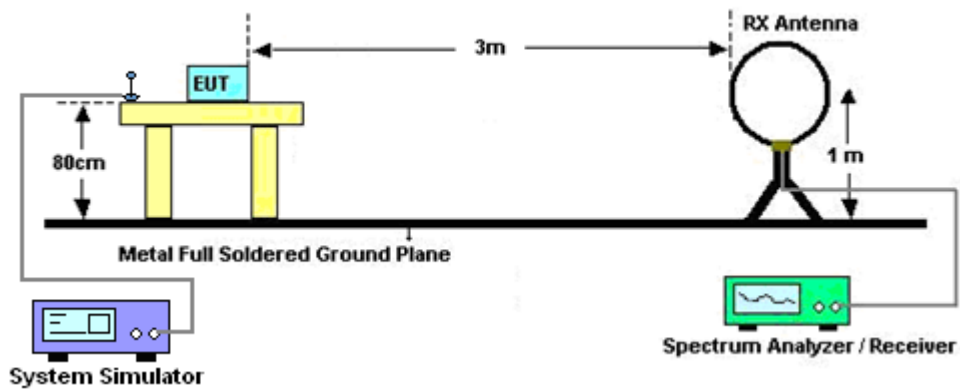
4 Radiated Test Items

4.1 Measuring Instruments

See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test below 30MHz



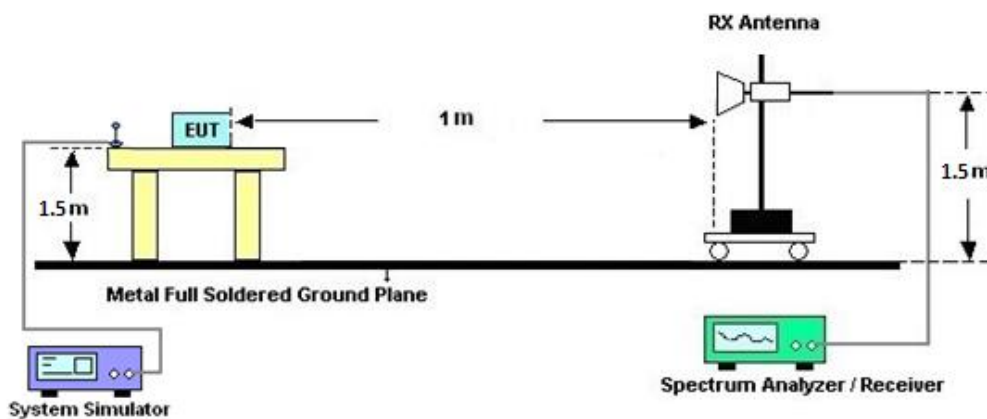
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

There is 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 41

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

For LTE Band 13

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

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

4.2.2 Test Procedures

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

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

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

For LTE Band 41

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

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

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Mar. 23, 2021~ Mar. 30, 2021	Jan. 03, 2022	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 29, 2020	Mar. 23, 2021~ Mar. 30, 2021	Apr. 28, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Nov. 23, 2020	Mar. 23, 2021~ Mar. 30, 2021	Nov. 22, 2021	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	May 20, 2020	Mar. 23, 2021~ Mar. 30, 2021	May 19, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Dec. 19, 2020	Mar. 23, 2021~ Mar. 30, 2021	Dec. 18, 2021	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz~40GHz	May 22, 2020	Mar. 23, 2021~ Mar. 30, 2021	May 21, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2020	Mar. 23, 2021	Mar. 24, 2021	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 24, 2021	Mar. 24, 2021~ Mar. 30, 2021	Mar. 23, 2022	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY57280120	1GHz~26.5GHz	Jul. 20, 2020	Mar. 23, 2021~ Mar. 30, 2021	Jul. 19, 2021	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 05, 2020	Mar. 23, 2021~ Mar. 30, 2021	Dec. 04, 2021	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 11, 2020	Mar. 23, 2021~ Mar. 30, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Mar. 23, 2021~ Mar. 30, 2021	Jan. 14, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 23, 2021~ Mar. 30, 2021	Mar. 10, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 11, 2020	Mar. 23, 2021~ Mar. 30, 2021	Dec. 10, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 22, 2021	Mar. 23, 2021~ Mar. 30, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 22, 2021	Mar. 23, 2021~ Mar. 30, 2021	Feb. 21, 2022	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 23, 2021~ Mar. 30, 2021	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 23, 2021~ Mar. 30, 2021	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Mar. 23, 2021~ Mar. 30, 2021	N/A	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 17, 2021	Mar. 23, 2021~ Mar. 30, 2021	Mar. 16, 2022	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Jul. 14, 2020	Mar. 23, 2021~ Mar. 30, 2021	Jul. 13, 2021	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 17, 2021	Mar. 23, 2021~ Mar. 30, 2021	Mar. 16, 2022	Radiation (03CH12-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station (Measure)	Anritsu	MT8821C	6262025341	N/A	Oct. 06, 2020	Mar. 22, 2021~ Apr. 19, 2021	Oct. 05, 2021	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 27, 2020	Mar. 22, 2021~ Apr. 19, 2021	Nov. 26, 2021	Conducted (TH02-HY)
Thermal Chamber	Ten Billion	TTH-D3SP	TBN-930701	N/A	Aug. 05, 2020	Mar. 22, 2021~ Apr. 19, 2021	Aug. 04, 2021	Conducted (TH02-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 05, 2020	Mar. 22, 2021~ Apr. 19, 2021	Oct. 04, 2021	Conducted (TH02-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 09, 2021	Mar. 22, 2021~ Apr. 19, 2021	Jan. 08, 2022	Conducted (TH02-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
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.21
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.80
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power & ERP/EIRP)

<Main>

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	24.19	24.18	24.22	23.58	0.2280
20	1	49		24.09	24.26	24.12		
20	1	99		24.12	24.15	24.08		
20	50	0		23.23	23.29	23.28		
20	50	24		23.33	23.34	23.27		
20	50	50		23.29	23.31	23.30		
20	100	0		23.33	23.32	23.30		
20	1	0	16-QAM	23.22	23.24	23.27	22.6	0.1820
20	1	49		23.14	23.28	23.13		
20	1	99		23.19	23.21	23.11		
20	50	0		21.90	22.02	22.01		
20	50	24		22.00	22.07	22.03		
20	50	50		21.98	22.06	22.02		
20	100	0		21.97	22.02	22.01		
20	1	0	64-QAM	22.04	22.11	22.15	21.48	0.1406
20	1	49		21.99	22.16	22.04		
20	1	99		22.09	22.07	21.95		
20	50	0		20.92	21.04	21.04		
20	50	24		21.02	21.08	21.04		
20	50	50		21.00	21.07	21.05		
20	100	0		21.00	21.04	21.03		
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	24.09	24.21	24.15	23.53	0.2254
15	1	37		24.11	24.20	24.07		
15	1	74		24.09	24.18	24.07		
15	36	0		23.20	23.26	23.22		
15	36	20		23.30	23.32	23.24		
15	36	39		23.25	23.31	23.25		
15	75	0		23.28	23.27	23.25		
15	1	0	16-QAM	23.13	23.24	23.18	22.56	0.1803
15	1	37		23.08	23.16	23.07		
15	1	74		23.19	23.17	23.08		
15	36	0		21.84	21.95	21.90		
15	36	20		21.97	21.97	21.92		
15	36	39		21.95	21.96	21.93		
15	75	0		21.93	21.96	21.92		
15	1	0	64-QAM	21.98	22.13	22.09	21.49	0.1409
15	1	37		22.03	22.17	22.02		
15	1	74		22.06	22.06	22.04		
15	36	0		20.90	21.04	20.92		
15	36	20		20.98	20.99	20.94		
15	36	39		20.99	21.09	20.94		
15	75	0		20.96	20.98	20.93		
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)
10	1	0	QPSK	24.08	24.13	24.08	23.5	0.2239
10	1	25		24.04	24.18	24.03		
10	1	49		24.06	24.17	24.01		
10	25	0		23.20	23.24	23.17		
10	25	12		23.24	23.27	23.19		
10	25	25		23.25	23.30	23.22		
10	50	0		23.25	23.29	23.24		
10	1	0	16-QAM	23.17	23.30	23.16	22.62	0.1828
10	1	25		23.11	23.27	23.12		
10	1	49		23.13	23.27	23.13		
10	25	0		21.93	21.96	21.90		
10	25	12		21.94	21.99	21.92		
10	25	25		21.97	21.99	21.93		
10	50	0		21.95	21.99	21.93		
10	1	0	64-QAM	22.12	22.03	22.03	21.5	0.1413
10	1	25		22.07	22.18	22.01		
10	1	49		22.03	22.05	22.02		
10	25	0		20.95	20.99	20.91		
10	25	12		20.98	21.01	20.97		
10	25	25		21.00	21.03	20.96		
10	50	0		20.98	21.04	20.93		
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)
5	1	0	QPSK	24.04	24.17	23.98	23.53	0.2254
5	1	12		24.05	24.19	24.04		
5	1	24		24.09	24.21	24.06		
5	12	0		23.19	23.22	23.14		
5	12	7		23.23	23.32	23.21		
5	12	13		23.19	23.31	23.16		
5	25	0		23.18	23.19	23.12		
5	1	0	16-QAM	23.08	23.15	23.05	22.61	0.1824
5	1	12		23.14	23.29	22.97		
5	1	24		23.10	23.25	23.11		
5	12	0		21.90	21.92	21.85		
5	12	7		21.96	21.98	21.93		
5	12	13		21.92	22.04	21.87		
5	25	0		21.94	21.95	21.88		
5	1	0	64-QAM	22.05	22.09	22.00	21.57	0.1435
5	1	12		22.05	22.19	22.02		
5	1	24		22.11	22.25	22.11		
5	12	0		20.95	21.00	20.90		
5	12	7		21.03	21.04	20.96		
5	12	13		21.00	21.10	20.96		
5	25	0		20.92	20.96	20.89		
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	24.10	24.16	24.02	23.57	0.2275
3	1	8		24.11	24.23	24.07		
3	1	14		24.13	24.25	24.09		
3	8	0		23.18	23.24	23.14		
3	8	4		23.24	23.28	23.16		
3	8	7		23.21	23.34	23.16		
3	15	0		23.19	23.24	23.17		
3	1	0	16-QAM	23.09	23.13	23.05	22.65	0.1841
3	1	8		23.19	23.33	23.09		
3	1	14		23.08	23.26	23.03		
3	8	0		21.90	21.94	21.84		
3	8	4		22.04	22.07	21.98		
3	8	7		21.93	22.03	21.86		
3	15	0		21.94	21.97	21.89		
3	1	0	64-QAM	21.99	22.10	21.93	21.58	0.1439
3	1	8		22.16	22.26	22.11		
3	1	14		22.09	22.24	22.07		
3	8	0		20.98	20.99	20.89		
3	8	4		20.99	21.06	20.95		
3	8	7		20.96	21.10	20.94		
3	15	0		20.99	20.99	20.92		
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	24.04	24.14	24.00	23.57	0.2275
1.4	1	3		24.09	24.19	24.04		
1.4	1	5		24.07	24.18	24.00		
1.4	3	0		23.99	24.00	23.90		
1.4	3	1		24.10	24.25	24.01		
1.4	3	3		24.02	24.14	23.96		
1.4	6	0		23.14	23.18	23.10		
1.4	1	0	16-QAM	23.06	23.13	22.98	22.65	0.1841
1.4	1	3		23.17	23.33	23.06		
1.4	1	5		23.09	23.16	23.02		
1.4	3	0		22.86	22.97	22.87		
1.4	3	1		22.91	23.03	22.85		
1.4	3	3		22.90	23.03	22.82		
1.4	6	0		21.92	21.95	21.88		
1.4	1	0	64-QAM	21.97	21.99	21.96	21.48	0.1406
1.4	1	3		22.03	22.16	21.99		
1.4	1	5		22.02	22.12	21.99		
1.4	3	0		22.03	22.00	21.97		
1.4	3	1		22.03	22.16	22.00		
1.4	3	3		22.01	22.13	21.99		
1.4	6	0		20.88	20.91	20.82		
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	24.11	24.17	24.15	23.58	0.2280
20	1	49		24.16	24.26	24.17		
20	1	99		24.04	24.16	24.12		
20	50	0		23.20	23.24	23.20		
20	50	24		23.23	23.35	23.27		
20	50	50		23.20	23.31	23.22		
20	100	0		23.25	23.29	23.20		
20	1	0	16-QAM	23.20	23.20	23.21	22.55	0.1799
20	1	49		23.10	23.23	23.17		
20	1	99		23.07	23.20	23.14		
20	50	0		21.91	21.94	21.89		
20	50	24		21.96	22.04	21.91		
20	50	50		21.94	22.02	21.97		
20	100	0		21.94	22.00	21.91		
20	1	0	64-QAM	22.02	22.08	22.09	21.43	0.1390
20	1	49		22.04	22.11	22.06		
20	1	99		21.96	22.10	22.03		
20	50	0		20.91	20.97	20.94		
20	50	24		20.97	21.07	20.93		
20	50	50		20.94	21.03	20.98		
20	100	0		20.94	21.02	20.94		
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	24.13	24.21	24.18	23.53	0.2254
15	1	37		24.09	24.19	24.16		
15	1	74		24.08	24.21	24.13		
15	36	0		23.18	23.26	23.21		
15	36	20		23.24	23.32	23.26		
15	36	39		23.19	23.30	23.24		
15	75	0		23.23	23.29	23.25		
15	1	0	16-QAM	23.11	23.20	23.15	22.53	0.1791
15	1	37		23.08	23.14	23.18		
15	1	74		23.09	23.21	23.13		
15	36	0		21.91	21.96	21.93		
15	36	20		21.94	22.03	21.99		
15	36	39		21.88	21.97	21.94		
15	75	0		21.93	22.03	21.98		
15	1	0	64-QAM	21.99	22.08	22.03	21.49	0.1409
15	1	37		22.02	22.17	22.08		
15	1	74		21.98	22.09	22.05		
15	36	0		20.91	21.01	20.92		
15	36	20		20.97	21.05	20.99		
15	36	39		20.97	21.04	21.03		
15	75	0		20.95	21.03	20.99		
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)
10	1	0	QPSK	24.09	24.15	24.09	23.50	0.2239
10	1	25		24.08	24.18	24.13		
10	1	49		24.05	24.17	24.12		
10	25	0		23.19	23.21	23.19		
10	25	12		23.23	23.33	23.23		
10	25	25		23.24	23.34	23.30		
10	50	0		23.23	23.35	23.21		
10	1	0	16-QAM	23.19	23.27	23.23	22.60	0.1820
10	1	25		23.12	23.22	23.21		
10	1	49		23.16	23.28	23.22		
10	25	0		21.90	21.91	21.86		
10	25	12		21.92	22.06	21.88		
10	25	25		21.92	21.99	21.97		
10	50	0		21.89	22.03	21.87		
10	1	0	64-QAM	22.01	22.06	21.99	21.51	0.1416
10	1	25		22.06	22.19	22.12		
10	1	49		22.06	22.13	22.13		
10	25	0		20.93	20.95	20.90		
10	25	12		20.96	21.06	20.96		
10	25	25		20.94	21.04	21.03		
10	50	0		20.94	21.08	20.94		
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	24.07	24.12	24.12	23.51	0.2244
5	1	12		24.07	24.17	24.11		
5	1	24		24.05	24.19	24.13		
5	12	0		23.14	23.22	23.18		
5	12	7		23.22	23.34	23.28		
5	12	13		23.20	23.36	23.27		
5	25	0		23.15	23.24	23.21		
5	1	0	16-QAM	23.16	23.15	23.05	22.60	0.1820
5	1	12		23.04	23.04	23.01		
5	1	24		23.07	23.28	23.10		
5	12	0		21.83	21.94	21.88		
5	12	7		21.95	22.08	21.97		
5	12	13		21.89	22.02	21.95		
5	25	0		21.88	21.99	21.89		
5	1	0	64-QAM	22.02	22.07	22.12	21.52	0.1419
5	1	12		22.05	22.17	22.04		
5	1	24		22.06	22.20	22.13		
5	12	0		20.87	20.97	20.91		
5	12	7		20.98	21.07	20.99		
5	12	13		20.95	21.06	21.03		
5	25	0		20.89	20.98	20.94		
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	24.03	24.12	24.10	23.57	0.2275
3	1	8		24.19	24.24	24.20		
3	1	14		24.16	24.25	24.15		
3	8	0		23.15	23.23	23.18		
3	8	4		23.18	23.29	23.24		
3	8	7		23.24	23.34	23.23		
3	15	0		23.21	23.30	23.22		
3	1	0	16-QAM	23.02	23.11	23.05	22.66	0.1845
3	1	8		23.15	23.34	23.19		
3	1	14		23.13	23.23	23.21		
3	8	0		21.87	21.97	21.88		
3	8	4		21.94	22.10	22.00		
3	8	7		21.93	22.05	21.92		
3	15	0		21.92	22.03	21.92		
3	1	0	64-QAM	22.01	22.05	22.05	21.57	0.1435
3	1	8		22.12	22.25	22.16		
3	1	14		22.12	22.25	22.16		
3	8	0		20.89	20.97	20.91		
3	8	4		20.98	21.09	20.98		
3	8	7		20.96	21.08	21.01		
3	15	0		20.94	21.01	20.99		
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)
1.4	1	0	QPSK	24.02	24.11	24.02	23.55	0.2265
1.4	1	3		24.08	24.19	24.10		
1.4	1	5		24.08	24.18	24.11		
1.4	3	0		23.92	24.06	23.92		
1.4	3	1		24.13	24.18	24.23		
1.4	3	3		24.05	24.13	24.05		
1.4	6	0		23.13	23.24	23.15		
1.4	1	0	16-QAM	23.10	23.16	23.09	22.65	0.1841
1.4	1	3		23.23	23.33	23.22		
1.4	1	5		23.13	23.19	23.14		
1.4	3	0		22.87	22.95	22.87		
1.4	3	1		22.89	23.00	22.93		
1.4	3	3		22.88	23.02	22.92		
1.4	6	0		21.85	21.96	21.89		
1.4	1	0	64-QAM	21.92	22.03	21.99	21.49	0.1409
1.4	1	3		22.01	22.09	22.05		
1.4	1	5		22.05	22.15	22.06		
1.4	3	0		21.98	22.07	22.00		
1.4	3	1		22.00	22.16	22.06		
1.4	3	3		22.03	22.17	22.07		
1.4	6	0		20.82	20.91	20.88		
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	24.39	24.42	24.40	22.40	0.1738
20	1	49		24.24	24.23	24.22		
20	1	99		24.28	24.20	24.19		
20	50	0		23.43	23.44	23.41		
20	50	24		23.44	23.37	23.33		
20	50	50		23.36	23.37	23.34		
20	100	0		23.42	23.40	23.31		
20	1	0	16-QAM	23.46	23.48	23.46	21.46	0.1400
20	1	49		23.33	23.31	23.30		
20	1	99		23.34	23.27	23.29		
20	50	0		22.16	22.16	22.13		
20	50	24		22.18	22.11	22.05		
20	50	50		22.10	22.10	22.06		
20	100	0		22.15	22.09	22.04		
20	1	0	64-QAM	22.29	22.32	22.29	20.30	0.1072
20	1	49		22.19	22.20	22.15		
20	1	99		22.28	22.20	22.18		
20	50	0		21.16	21.18	21.14		
20	50	24		21.17	21.13	21.08		
20	50	50		21.12	21.13	21.08		
20	100	0		21.19	21.11	21.06		
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	24.39	24.39	24.39	22.37	0.1726
15	1	37		24.23	24.24	24.20		
15	1	74		24.20	24.19	24.18		
15	36	0		23.37	23.41	23.38		
15	36	20		23.39	23.34	23.29		
15	36	39		23.33	23.35	23.32		
15	75	0		23.38	23.34	23.29		
15	1	0	16-QAM	23.38	23.43	23.41	21.41	0.1384
15	1	37		23.18	23.29	23.21		
15	1	74		23.27	23.25	23.26		
15	36	0		22.08	22.11	22.09		
15	36	20		22.10	22.03	21.99		
15	36	39		22.06	22.05	22.03		
15	75	0		22.10	22.05	22.00		
15	1	0	64-QAM	22.28	22.28	22.26	20.26	0.1062
15	1	37		22.17	22.16	22.15		
15	1	74		22.19	22.16	22.13		
15	36	0		21.12	21.17	21.12		
15	36	20		21.10	21.10	21.02		
15	36	39		21.07	21.11	21.06		
15	75	0		21.10	21.07	21.05		
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	24.29	24.22	24.22	22.27	0.1687
10	1	25		24.22	24.29	24.27		
10	1	49		24.27	24.23	24.25		
10	25	0		23.37	23.38	23.33		
10	25	12		23.39	23.40	23.34		
10	25	25		23.40	23.47	23.42		
10	50	0		23.40	23.37	23.35		
10	1	0	16-QAM	23.37	23.39	23.38	21.37	0.1371
10	1	25		23.32	23.34	23.33		
10	1	49		23.34	23.35	23.36		
10	25	0		22.09	22.01	22.02		
10	25	12		22.14	22.04	22.04		
10	25	25		22.12	22.08	22.10		
10	50	0		22.12	22.05	22.04		
10	1	0	64-QAM	22.28	22.23	22.16	20.29	0.1069
10	1	25		22.27	22.25	22.31		
10	1	49		22.19	22.25	22.18		
10	25	0		21.12	21.08	21.04		
10	25	12		21.14	21.10	21.06		
10	25	25		21.14	21.16	21.13		
10	50	0		21.15	21.11	21.08		
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	24.28	24.24	24.22	22.30	0.1698
5	1	12		24.25	24.26	24.25		
5	1	24		24.32	24.29	24.28		
5	12	0		23.35	23.34	23.38		
5	12	7		23.43	23.38	23.42		
5	12	13		23.39	23.42	23.35		
5	25	0		23.35	23.31	23.33		
5	1	0	16-QAM	23.27	23.16	23.26	21.34	0.1361
5	1	12		23.23	23.14	23.09		
5	1	24		23.36	23.36	23.20		
5	12	0		22.10	21.97	22.01		
5	12	7		22.15	22.05	22.05		
5	12	13		22.12	22.07	22.05		
5	25	0		22.10	21.97	22.03		
5	1	0	64-QAM	22.27	22.20	22.22	20.29	0.1069
5	1	12		22.26	22.27	22.21		
5	1	24		22.30	22.26	22.31		
5	12	0		21.14	21.03	21.07		
5	12	7		21.18	21.11	21.12		
5	12	13		21.18	21.14	21.13		
5	25	0		21.09	21.00	21.04		
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	24.30	24.26	24.23	22.32	0.1706
3	1	8		24.34	24.33	24.29		
3	1	14		24.32	24.29	24.32		
3	8	0		23.39	23.31	23.38		
3	8	4		23.38	23.42	23.39		
3	8	7		23.37	23.42	23.37		
3	15	0		23.40	23.35	23.36		
3	1	0	16-QAM	23.30	23.24	23.18	21.41	0.1384
3	1	8		23.43	23.42	23.24		
3	1	14		23.34	23.35	23.26		
3	8	0		22.11	22.04	22.03		
3	8	4		22.17	22.18	22.11		
3	8	7		22.11	22.07	22.04		
3	15	0		22.14	22.04	22.07		
3	1	0	64-QAM	22.33	22.21	22.21	20.35	0.1084
3	1	8		22.36	22.37	22.27		
3	1	14		22.31	22.31	22.27		
3	8	0		21.15	21.06	21.08		
3	8	4		21.18	21.16	21.15		
3	8	7		21.16	21.10	21.14		
3	15	0		21.13	21.07	21.09		
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	24.26	24.25	24.18	22.38	0.1730
1.4	1	3		24.29	24.28	24.22		
1.4	1	5		24.28	24.27	24.21		
1.4	3	0		24.19	24.13	24.10		
1.4	3	1		24.31	24.40	24.23		
1.4	3	3		24.27	24.18	24.12		
1.4	6	0		23.35	23.38	23.32		
1.4	1	0	16-QAM	23.26	23.27	23.22	21.37	0.1371
1.4	1	3		23.39	23.38	23.26		
1.4	1	5		23.32	23.24	23.21		
1.4	3	0		23.12	23.05	23.01		
1.4	3	1		23.15	23.11	23.05		
1.4	3	3		23.08	23.07	23.00		
1.4	6	0		22.14	22.11	22.03		
1.4	1	0	64-QAM	22.22	22.17	22.15	20.24	0.1057
1.4	1	3		22.25	22.20	22.13		
1.4	1	5		22.22	22.19	22.14		
1.4	3	0		22.22	22.23	22.18		
1.4	3	1		22.26	22.26	22.17		
1.4	3	3		22.24	22.21	22.17		
1.4	6	0		21.08	21.10	20.97		
Limit	EIRP < 1W			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	24.10	24.37	24.00	23.33	0.2153
20	1	49		24.11	24.32	23.97		
20	1	99		24.13	24.42	24.14		
20	50	0		23.24	23.42	23.25		
20	50	24		23.29	23.48	23.23		
20	50	50		23.29	23.49	23.11		
20	100	0		23.29	23.49	23.24		
20	1	0	16-QAM	22.96	23.22	22.94	22.13	0.1633
20	1	49		22.84	23.13	22.83		
20	1	99		22.87	23.16	22.79		
20	50	0		21.96	22.15	22.00		
20	50	24		22.03	22.21	21.96		
20	50	50		22.02	22.21	21.86		
20	100	0		22.01	22.21	21.95		
20	1	0	64-QAM	21.62	21.86	21.67	20.77	0.1194
20	1	49		21.59	21.81	21.52		
20	1	99		21.62	21.86	21.40		
20	50	0		20.97	21.16	21.00		
20	50	24		21.05	21.21	20.98		
20	50	50		21.03	21.20	20.87		
20	100	0		21.03	21.21	20.97		
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	24.14	24.38	24.09	23.32	0.2148
15	1	37		24.07	24.30	23.93		
15	1	74		24.12	24.41	24.05		
15	36	0		23.23	23.44	23.23		
15	36	20		23.31	23.50	23.18		
15	36	39		23.26	23.50	23.07		
15	75	0		23.30	23.50	23.20		
15	1	0	16-QAM	22.95	23.19	22.85	22.17	0.1648
15	1	37		22.86	23.10	22.75		
15	1	74		22.90	23.26	22.86		
15	36	0		21.88	22.09	21.90		
15	36	20		21.95	22.17	21.87		
15	36	39		21.95	22.15	21.75		
15	75	0		22.02	22.21	21.93		
15	1	0	64-QAM	21.59	21.83	21.61	20.87	0.1222
15	1	37		21.63	21.86	21.53		
15	1	74		21.63	21.96	21.47		
15	36	0		20.96	21.16	20.93		
15	36	20		20.98	21.21	20.91		
15	36	39		21.01	21.19	20.82		
15	75	0		21.01	21.22	20.93		
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	24.24	24.39	24.02	23.31	0.2143
10	1	25		24.14	24.36	23.96		
10	1	49		24.21	24.40	23.99		
10	25	0		23.31	23.43	23.18		
10	25	12		23.33	23.56	23.18		
10	25	25		23.32	23.54	23.15		
10	50	0		23.31	23.52	23.16		
10	1	0	16-QAM	23.10	23.25	22.92	22.17	0.1648
10	1	25		23.01	23.24	22.87		
10	1	49		22.96	23.26	22.84		
10	25	0		22.02	22.16	21.88		
10	25	12		22.04	22.24	21.91		
10	25	25		22.00	22.23	21.84		
10	50	0		22.03	22.25	21.90		
10	1	0	64-QAM	21.85	21.98	21.68	20.99	0.1256
10	1	25		21.85	22.08	21.69		
10	1	49		21.81	22.02	21.59		
10	25	0		21.11	21.19	20.95		
10	25	12		21.11	21.33	20.96		
10	25	25		21.07	21.30	20.91		
10	50	0		21.04	21.25	20.92		
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	24.21	24.35	23.97	23.32	0.2148
5	1	12		24.19	24.41	24.06		
5	1	24		24.12	24.33	23.94		
5	12	0		23.30	23.50	23.09		
5	12	7		23.32	23.54	23.17		
5	12	13		23.26	23.52	23.09		
5	25	0		23.26	23.48	23.12		
5	1	0	16-QAM	22.95	23.09	22.75	22.09	0.1618
5	1	12		22.98	23.18	22.78		
5	1	24		22.91	23.14	22.74		
5	12	0		21.97	22.17	21.78		
5	12	7		22.03	22.23	21.84		
5	12	13		21.94	22.17	21.80		
5	25	0		22.02	22.22	21.84		
5	1	0	64-QAM	21.82	21.90	21.60	20.91	0.1233
5	1	12		21.78	21.89	21.47		
5	1	24		21.76	22.00	21.58		
5	12	0		21.00	21.22	20.85		
5	12	7		21.04	21.26	20.89		
5	12	13		20.98	21.21	20.81		
5	25	0		21.02	21.23	20.90		
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	24.39	24.44	24.25	22.42	0.1746
20	1	49		24.38	24.29	24.17		
20	1	99		24.27	24.26	24.05		
20	50	0		23.42	23.40	23.26		
20	50	24		23.48	23.36	23.32		
20	50	50		23.42	23.38	23.26		
20	100	0		23.45	23.31	23.32		
20	1	0	16-QAM	23.45	23.44	23.33	21.43	0.1390
20	1	49		23.35	23.33	23.20		
20	1	99		23.32	23.23	23.11		
20	50	0		22.11	22.13	22.01		
20	50	24		22.17	22.08	22.05		
20	50	50		22.13	22.09	21.97		
20	100	0		22.12	22.06	22.03		
20	1	0	64-QAM	22.28	22.30	22.18	20.28	0.1067
20	1	49		22.22	22.24	22.12		
20	1	99		22.20	22.19	22.05		
20	50	0		21.12	21.13	21.03		
20	50	24		21.20	21.11	21.07		
20	50	50		21.14	21.13	20.98		
20	100	0		21.20	21.08	21.03		
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	24.33	24.32	24.25	22.34	0.1714
15	1	37		24.36	24.29	24.19		
15	1	74		24.28	24.25	24.11		
15	36	0		23.40	23.36	23.22		
15	36	20		23.44	23.35	23.29		
15	36	39		23.41	23.39	23.23		
15	75	0		23.42	23.32	23.22		
15	1	0	16-QAM	23.37	23.36	23.29	21.35	0.1365
15	1	37		23.29	23.30	23.19		
15	1	74		23.31	23.27	23.19		
15	36	0		22.08	22.08	21.94		
15	36	20		22.17	22.06	22.04		
15	36	39		22.13	22.09	21.95		
15	75	0		22.15	22.05	21.93		
15	1	0	64-QAM	22.19	22.17	22.15	20.24	0.1057
15	1	37		22.26	22.21	22.07		
15	1	74		22.18	22.16	22.03		
15	36	0		21.09	21.10	21.01		
15	36	20		21.19	21.09	21.02		
15	36	39		21.14	21.13	20.95		
15	75	0		21.15	21.05	20.92		
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	24.34	24.31	24.16	22.32	0.1706
10	1	25		24.29	24.28	24.12		
10	1	49		24.22	24.24	24.06		
10	25	0		23.44	23.35	23.20		
10	25	12		23.42	23.35	23.18		
10	25	25		23.40	23.38	23.22		
10	50	0		23.43	23.35	23.19		
10	1	0	16-QAM	23.44	23.39	23.29	21.42	0.1387
10	1	25		23.39	23.29	23.21		
10	1	49		23.36	23.27	23.17		
10	25	0		22.15	22.04	21.90		
10	25	12		22.15	22.04	21.92		
10	25	25		22.10	22.07	21.93		
10	50	0		22.13	22.03	21.90		
10	1	0	64-QAM	22.31	22.21	22.08	20.29	0.1069
10	1	25		22.26	22.25	22.13		
10	1	49		22.24	22.18	22.07		
10	25	0		21.14	21.10	20.94		
10	25	12		21.15	21.09	20.95		
10	25	25		21.12	21.11	20.95		
10	50	0		21.16	21.05	20.94		
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	24.33	24.27	24.13	22.31	0.1702
5	1	12		24.32	24.27	24.14		
5	1	24		24.24	24.20	24.10		
5	12	0		23.43	23.31	23.22		
5	12	7		23.46	23.34	23.24		
5	12	13		23.37	23.34	23.19		
5	25	0		23.39	23.27	23.18		
5	1	0	16-QAM	23.31	23.29	23.06	21.39	0.1377
5	1	12		23.41	23.25	23.19		
5	1	24		23.29	23.22	23.03		
5	12	0		22.14	22.00	21.94		
5	12	7		22.17	22.05	21.97		
5	12	13		22.10	22.06	21.92		
5	25	0		22.14	22.01	21.94		
5	1	0	64-QAM	22.29	22.19	22.12	20.27	0.1064
5	1	12		22.28	22.25	22.12		
5	1	24		22.24	22.21	22.09		
5	12	0		21.19	21.08	21.02		
5	12	7		21.21	21.11	21.03		
5	12	13		21.16	21.11	20.98		
5	25	0		21.11	20.98	20.91		
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	24.37	24.29	24.14	22.36	0.1722
3	1	8		24.37	24.38	24.15		
3	1	14		24.31	24.26	24.13		
3	8	0		23.42	23.33	23.19		
3	8	4		23.41	23.40	23.21		
3	8	7		23.40	23.37	23.18		
3	15	0		23.41	23.29	23.22		
3	1	0	16-QAM	23.32	23.29	23.04	21.41	0.1384
3	1	8		23.43	23.34	23.15		
3	1	14		23.32	23.35	23.07		
3	8	0		22.17	22.00	21.92		
3	8	4		22.23	22.18	22.02		
3	8	7		22.11	22.05	21.90		
3	15	0		22.15	22.04	21.95		
3	1	0	64-QAM	22.35	22.20	22.11	20.33	0.1079
3	1	8		22.35	22.32	22.15		
3	1	14		22.30	22.24	22.14		
3	8	0		21.20	21.06	21.00		
3	8	4		21.23	21.17	21.00		
3	8	7		21.17	21.13	20.97		
3	15	0		21.17	21.02	20.95		
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	24.31	24.27	24.06	22.37	0.1726
1.4	1	3		24.32	24.28	24.09		
1.4	1	5		24.28	24.22	24.06		
1.4	3	0		24.23	24.13	23.95		
1.4	3	1		24.39	24.31	24.21		
1.4	3	3		24.28	24.21	24.01		
1.4	6	0		23.40	23.32	23.15		
1.4	1	0	16-QAM	23.34	23.29	23.06	21.45	0.1396
1.4	1	3		23.47	23.39	23.16		
1.4	1	5		23.35	23.31	23.05		
1.4	3	0		23.14	23.09	22.91		
1.4	3	1		23.15	23.11	22.89		
1.4	3	3		23.13	23.10	22.84		
1.4	6	0		22.15	22.08	21.90		
1.4	1	0	64-QAM	22.29	22.22	22.01	20.28	0.1067
1.4	1	3		22.25	22.20	22.05		
1.4	1	5		22.22	22.19	21.94		
1.4	3	0		22.26	22.24	22.04		
1.4	3	1		22.30	22.27	22.07		
1.4	3	3		22.26	22.19	21.99		
1.4	6	0		21.11	21.04	20.86		
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -6.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	24.35	24.38	24.46	15.82	0.0382
20	1	49		24.37	24.44	24.46		
20	1	99		24.48	24.39	24.35		
20	50	0		23.43	23.51	23.53		
20	50	24		23.53	23.55	23.57		
20	50	50		23.57	23.54	23.47		
20	100	0		23.52	23.51	23.55		
20	1	0	16-QAM	23.45	23.39	23.48	14.94	0.0312
20	1	49		23.46	23.53	23.47		
20	1	99		23.60	23.43	23.39		
20	50	0		22.12	22.21	22.23		
20	50	24		22.21	22.25	22.28		
20	50	50		22.27	22.26	22.18		
20	100	0		22.23	22.20	22.25		
20	1	0	64-QAM	21.51	22.30	22.30	13.84	0.0242
20	1	49		22.32	22.43	22.35		
20	1	99		22.50	22.38	22.29		
20	50	0		20.92	21.25	21.27		
20	50	24		21.25	21.27	21.31		
20	50	50		21.30	21.27	21.22		
20	100	0		21.24	21.23	21.28		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -6.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	24.30	24.39	24.46	15.81	0.0381
15	1	37		24.34	24.47	24.36		
15	1	74		24.44	24.41	24.27		
15	36	0		23.42	23.51	23.49		
15	36	20		23.48	23.55	23.52		
15	36	39		23.51	23.57	23.45		
15	75	0		23.48	23.54	23.49		
15	1	0	16-QAM	23.39	23.40	23.49	14.86	0.0306
15	1	37		23.37	23.52	23.36		
15	1	74		23.51	23.44	23.38		
15	36	0		22.16	22.18	22.20		
15	36	20		22.18	22.28	22.21		
15	36	39		22.20	22.25	22.16		
15	75	0		22.20	22.23	22.21		
15	1	0	64-QAM	21.46	22.26	22.20	13.75	0.0237
15	1	37		22.26	22.41	22.28		
15	1	74		22.36	22.32	22.17		
15	36	0		20.62	21.24	21.23		
15	36	20		21.17	21.27	21.24		
15	36	39		21.24	21.31	21.22		
15	75	0		21.19	21.25	21.22		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -6.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	24.07	24.33	24.40	15.76	0.0377
10	1	25		24.27	24.42	24.28		
10	1	49		24.32	24.42	24.22		
10	25	0		23.24	23.48	23.41		
10	25	12		23.43	23.60	23.43		
10	25	25		23.45	23.59	23.44		
10	50	0		23.46	23.59	23.41		
10	1	0	16-QAM	23.26	23.48	23.43	14.88	0.0308
10	1	25		23.28	23.45	23.38		
10	1	49		23.41	23.54	23.35		
10	25	0		22.15	22.18	22.10		
10	25	12		22.15	22.31	22.12		
10	25	25		22.14	22.27	22.14		
10	50	0		22.14	22.30	22.11		
10	1	0	64-QAM	21.26	22.29	22.26	13.8	0.0240
10	1	25		21.89	22.41	22.30		
10	1	49		22.31	22.46	22.26		
10	25	0		20.33	21.21	21.16		
10	25	12		20.72	21.32	21.17		
10	25	25		21.11	21.29	21.18		
10	50	0		20.79	21.31	21.15		
Limit	ERP < 3W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = -6.51 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.78	24.45	24.38	15.79	0.0379
5	1	12		23.89	24.31	24.27		
5	1	24		24.28	24.35	24.24		
5	12	0		22.98	23.44	23.35		
5	12	7		23.03	23.52	23.35		
5	12	13		23.26	23.46	23.31		
5	25	0		23.07	23.47	23.30		
5	1	0	16-QAM	23.06	23.40	23.39	14.74	0.0298
5	1	12		23.17	23.39	23.29		
5	1	24		23.29	23.33	23.20		
5	12	0		22.05	22.18	22.09		
5	12	7		22.18	22.23	22.05		
5	12	13		22.07	22.17	22.07		
5	25	0		22.13	22.20	22.03		
5	1	0	64-QAM	21.02	22.37	22.14	13.71	0.0235
5	1	12		21.12	22.36	22.26		
5	1	24		21.63	22.35	22.13		
5	12	0		20.14	21.23	21.14		
5	12	7		20.35	21.24	21.09		
5	12	13		20.45	21.18	21.03		
5	25	0		20.27	21.22	21.01		
Limit	ERP < 3W			Result			Pass	



<Sub>

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.89	23.96	23.88	18.21	0.0662
10	1	25		23.84	23.84	23.86		
10	1	49		23.86	23.85	23.82		
10	25	0		22.95	22.95	23.00		
10	25	12		23.03	23.01	23.02		
10	25	25		23.00	22.96	22.92		
10	50	0		23.00	23.01	22.99		
10	1	0	16-QAM	23.30	23.29	23.28	17.55	0.0569
10	1	25		23.30	23.27	23.29		
10	1	49		23.25	23.23	23.11		
10	25	0		21.92	21.92	21.98		
10	25	12		22.03	22.00	22.04		
10	25	25		21.97	21.95	22.00		
10	50	0		22.03	21.99	21.99		
10	1	0	64-QAM	22.12	22.05	22.10	16.37	0.0434
10	1	25		21.97	21.84	21.47		
10	1	49		21.45	21.02	21.13		
10	25	0		20.99	20.54	21.04		
10	25	12		20.85	20.54	20.62		
10	25	25		20.60	20.88	20.10		
10	50	0		20.79	20.76	20.52		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.91	23.88	23.83	18.17	0.0656
5	1	12		23.92	23.88	23.60		
5	1	24		23.89	23.87	23.54		
5	12	0		23.07	22.93	22.77		
5	12	7		23.00	22.99	22.71		
5	12	13		22.99	22.94	22.81		
5	25	0		23.01	22.95	22.86		
5	1	0	16-QAM	23.32	23.18	23.21	17.57	0.0571
5	1	12		23.25	23.18	22.99		
5	1	24		23.19	23.16	22.96		
5	12	0		22.08	21.99	21.90		
5	12	7		22.05	22.02	21.81		
5	12	13		21.99	21.96	21.88		
5	25	0		22.02	21.96	21.92		
5	1	0	64-QAM	22.26	21.68	21.28	16.51	0.0448
5	1	12		22.18	21.73	21.04		
5	1	24		21.81	21.24	20.88		
5	12	0		21.10	20.57	20.03		
5	12	7		21.05	20.52	19.97		
5	12	13		20.97	20.64	19.89		
5	25	0		21.06	20.65	19.97		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.94	23.83	23.63	18.19	0.0659
3	1	8		23.93	23.90	23.75		
3	1	14		23.82	23.79	23.58		
3	8	0		22.99	22.90	22.70		
3	8	4		22.99	22.96	22.87		
3	8	7		22.95	22.92	22.90		
3	15	0		23.00	22.93	22.85		
3	1	0	16-QAM	23.31	23.21	22.92	17.56	0.0570
3	1	8		23.30	23.22	23.02		
3	1	14		23.18	23.15	22.87		
3	8	0		22.10	21.97	21.74		
3	8	4		22.09	22.04	21.83		
3	8	7		22.02	21.99	21.94		
3	15	0		22.04	21.98	21.87		
3	1	0	64-QAM	22.21	21.64	20.92	16.54	0.0451
3	1	8		22.29	21.79	21.07		
3	1	14		22.05	21.55	20.89		
3	8	0		21.07	20.58	19.88		
3	8	4		21.07	20.64	19.93		
3	8	7		21.00	20.61	20.02		
3	15	0		21.02	20.61	20.00		
Limit	ERP < 7W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.86	23.74	23.73	18.17	0.0656
1.4	1	3		23.87	23.79	23.79		
1.4	1	5		23.81	23.73	23.65		
1.4	3	0		23.86	23.76	23.76		
1.4	3	1		23.92	23.81	23.79		
1.4	3	3		23.81	23.77	23.71		
1.4	6	0		22.94	22.86	22.87		
1.4	1	0	16-QAM	23.15	23.03	23.06	17.48	0.0560
1.4	1	3		23.23	23.15	23.14		
1.4	1	5		23.12	23.04	22.96		
1.4	3	0		22.97	22.83	22.84		
1.4	3	1		23.02	22.88	22.92		
1.4	3	3		22.94	22.87	22.86		
1.4	6	0		22.00	21.96	21.97		
1.4	1	0	64-QAM	22.11	21.64	21.15	16.44	0.0441
1.4	1	3		22.19	21.72	21.19		
1.4	1	5		22.09	21.66	21.10		
1.4	3	0		22.09	21.63	21.07		
1.4	3	1		22.08	21.61	21.10		
1.4	3	3		22.05	21.58	21.03		
1.4	6	0		20.90	20.46	19.94		
Limit	ERP < 7W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK		23.68		17.69	0.0587
10	1	25			23.78			
10	1	49			23.69			
10	25	0			22.82			
10	25	12			22.82			
10	25	25			22.93			
10	50	0			22.86			
10	1	0	16-QAM	-	23.03	-	17.01	0.0502
10	1	25			23.09			
10	1	49			23.10			
10	25	0			21.83			
10	25	12			21.80			
10	25	25			21.82			
10	50	0			21.80			
10	1	0	64-QAM		21.03		15.96	0.0394
10	1	25			22.05			
10	1	49			21.70			
10	25	0			20.42			
10	25	12			20.86			
10	25	25			20.87			
10	50	0			20.83			
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.59	23.66	23.75	17.68	0.0586
5	1	12		23.77	23.77	23.75		
5	1	24		23.74	23.74	23.74		
5	12	0		22.48	22.81	22.83		
5	12	7		22.89	22.83	22.79		
5	12	13		22.86	22.88	22.84		
5	25	0		22.84	22.83	22.82		
5	1	0	16-QAM	22.93	23.01	23.02	17	0.0501
5	1	12		23.02	23.00	23.04		
5	1	24		23.07	23.09	23.06		
5	12	0		21.58	21.89	21.83		
5	12	7		21.92	21.84	21.82		
5	12	13		21.92	21.85	21.87		
5	25	0		21.85	21.83	21.85		
5	1	0	64-QAM	20.77	21.70	21.96	15.93	0.0392
5	1	12		21.29	21.99	21.75		
5	1	24		22.02	22.00	21.76		
5	12	0		19.62	20.93	20.87		
5	12	7		20.28	20.88	20.47		
5	12	13		20.95	20.88	20.31		
5	25	0		20.26	20.86	20.67		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.85	23.72	23.70	18.1	0.0646
15	1	37		23.72	23.66	23.65		
15	1	74		23.72	23.69	23.55		
15	36	0		22.88	22.89	22.84		
15	36	20		22.91	22.93	22.90		
15	36	39		22.86	22.87	22.80		
15	75	0		22.90	22.93	22.83		
15	1	0	16-QAM	23.16	23.09	23.02	17.41	0.0551
15	1	37		23.04	23.04	22.98		
15	1	74		23.02	23.05	22.87		
15	36	0		21.87	21.90	21.85		
15	36	20		21.89	21.92	21.88		
15	36	39		21.85	21.87	21.81		
15	75	0		21.92	21.91	21.82		
15	1	0	64-QAM	21.98	21.91	21.86	16.23	0.0420
15	1	37		21.92	21.96	21.92		
15	1	74		21.91	21.87	21.35		
15	36	0		20.91	20.92	20.89		
15	36	20		20.92	20.97	20.95		
15	36	39		20.91	20.92	20.91		
15	75	0		20.91	20.94	20.86		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.80	23.79	23.75	18.05	0.0638
10	1	25		23.73	23.73	23.75		
10	1	49		23.72	23.70	23.63		
10	25	0		22.96	22.86	22.85		
10	25	12		22.91	22.82	22.84		
10	25	25		22.86	22.84	22.79		
10	50	0		22.93	22.88	22.75		
10	1	0	16-QAM	23.22	23.23	23.16	17.48	0.0560
10	1	25		23.14	23.12	23.07		
10	1	49		23.13	23.11	23.08		
10	25	0		21.95	21.84	21.80		
10	25	12		21.93	21.83	21.78		
10	25	25		21.84	21.86	21.78		
10	50	0		21.91	21.89	21.80		
10	1	0	64-QAM	22.20	22.02	22.00	16.45	0.0442
10	1	25		21.97	22.07	22.05		
10	1	49		22.00	21.98	21.95		
10	25	0		20.90	20.89	20.86		
10	25	12		20.84	20.87	20.90		
10	25	25		20.88	20.86	20.85		
10	50	0		20.88	20.95	20.82		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.83	23.75	23.75	18.08	0.0643
5	1	12		23.82	23.81	23.72		
5	1	24		23.73	23.78	23.67		
5	12	0		22.98	22.88	22.86		
5	12	7		22.95	22.92	22.82		
5	12	13		22.87	22.83	22.77		
5	25	0		22.92	22.86	22.80		
5	1	0	16-QAM	23.25	23.06	23.08	17.5	0.0562
5	1	12		23.17	23.09	22.99		
5	1	24		23.06	23.10	23.00		
5	12	0		22.02	21.87	21.87		
5	12	7		21.99	21.93	21.83		
5	12	13		21.89	21.87	21.77		
5	25	0		21.94	21.90	21.80		
5	1	0	64-QAM	22.05	22.02	22.03	16.3	0.0427
5	1	12		21.92	22.05	21.78		
5	1	24		21.74	22.04	21.75		
5	12	0		20.94	20.90	20.83		
5	12	7		20.89	20.93	20.68		
5	12	13		20.78	20.92	20.74		
5	25	0		20.82	20.93	20.77		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.80	23.73	23.71	18.06	0.0640
3	1	8		23.78	23.81	23.75		
3	1	14		23.73	23.73	23.66		
3	8	0		22.99	22.83	22.81		
3	8	4		22.98	22.88	22.77		
3	8	7		22.90	22.86	22.74		
3	15	0		22.91	22.84	22.77		
3	1	0	16-QAM	23.18	23.07	23.10	17.45	0.0556
3	1	8		23.20	23.15	23.07		
3	1	14		23.08	23.06	22.96		
3	8	0		22.04	21.89	21.89		
3	8	4		22.02	21.93	21.87		
3	8	7		21.99	21.85	21.81		
3	15	0		21.99	21.88	21.81		
3	1	0	64-QAM	21.97	22.03	21.76	16.33	0.0430
3	1	8		22.02	22.08	21.84		
3	1	14		21.88	22.04	21.70		
3	8	0		20.89	20.88	20.65		
3	8	4		20.95	20.95	20.78		
3	8	7		20.85	20.92	20.80		
3	15	0		20.87	20.91	20.83		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = -3.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.75	23.65	23.59	18.08	0.0643
1.4	1	3		23.83	23.72	23.63		
1.4	1	5		23.75	23.65	23.57		
1.4	3	0		23.81	23.67	23.59		
1.4	3	1		23.82	23.68	23.66		
1.4	3	3		23.77	23.70	23.59		
1.4	6	0		22.89	22.81	22.68		
1.4	1	0	16-QAM	23.07	22.96	22.90	17.38	0.0547
1.4	1	3		23.13	23.05	22.97		
1.4	1	5		23.07	22.96	22.86		
1.4	3	0		22.87	22.76	22.70		
1.4	3	1		22.91	22.77	22.73		
1.4	3	3		22.86	22.78	22.67		
1.4	6	0		21.95	21.83	21.75		
1.4	1	0	64-QAM	21.84	21.87	21.83	16.26	0.0423
1.4	1	3		21.95	22.01	21.90		
1.4	1	5		21.90	21.84	21.79		
1.4	3	0		21.91	21.86	21.84		
1.4	3	1		21.98	21.90	21.86		
1.4	3	3		21.98	21.86	21.77		
1.4	6	0		20.82	20.77	20.71		
Limit	ERP < 7W			Result			Pass	



LTE Band 13

<Sub>

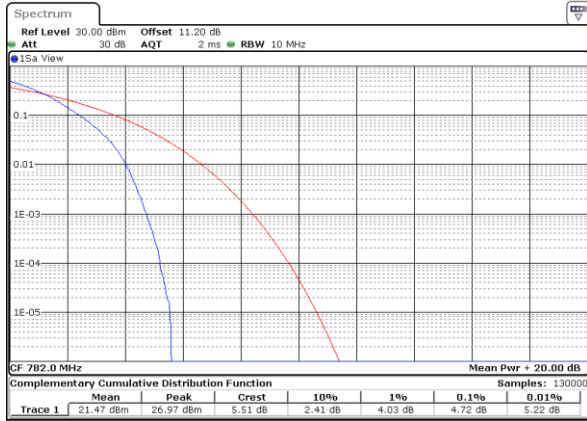
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.72	5.86	6.38	-	PASS



LTE Band 13 / 10MHz / QPSK

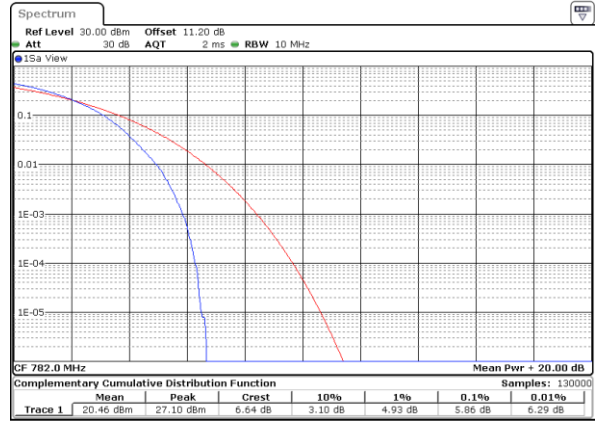
Middle Channel / Full RB



Date: 26 MAR 2021 02:09:41

LTE Band 13 / 10MHz / 16QAM

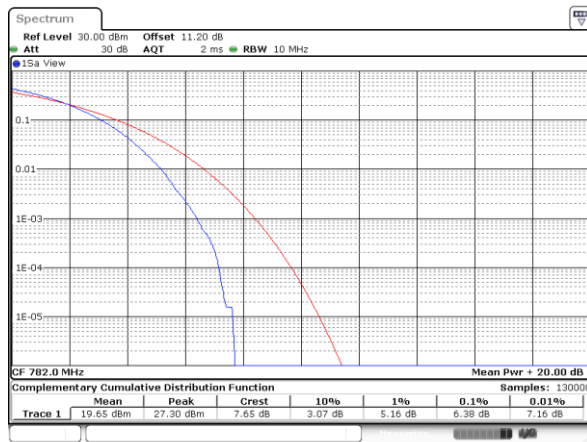
Middle Channel / Full RB



Date: 26 MAR 2021 02:09:14

LTE Band 13 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 26 MAR 2021 02:08:44



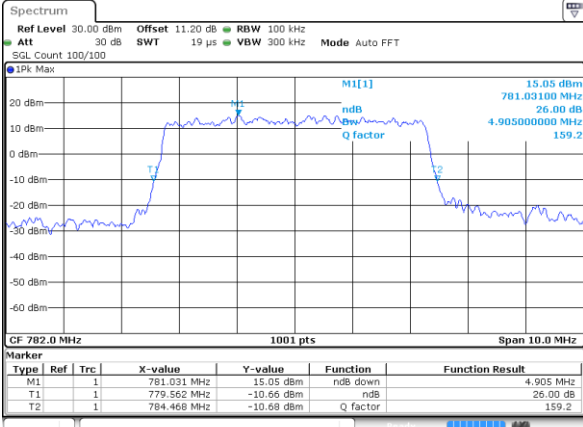
26dB Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.91	4.90	9.75	9.73	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	4.94	-	9.79	-	-	-	-	-



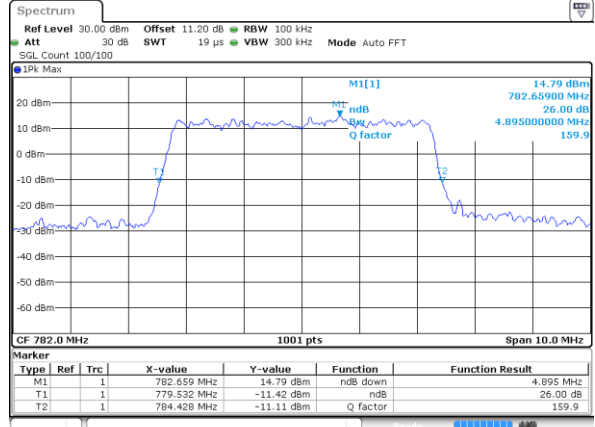
LTE Band 13

Middle Channel / 5MHz / QPSK



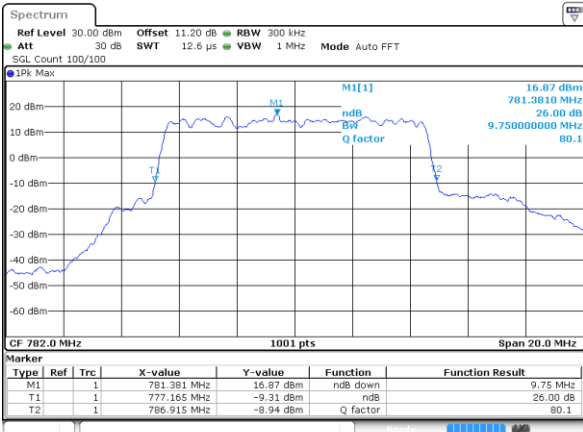
Date: 26 MAR 2021 01:19:55

Middle Channel / 5MHz / 16QAM



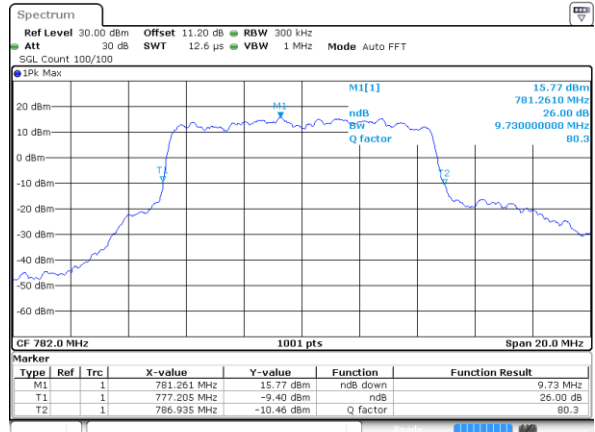
Date: 26 MAR 2021 01:25:01

Middle Channel / 10MHz / QPSK



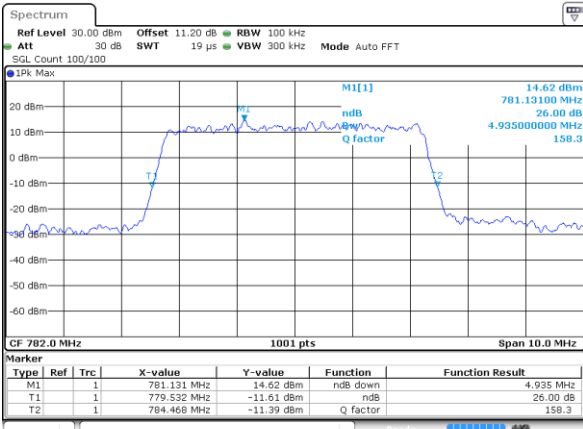
Date: 26 MAR 2021 01:48:18

Middle Channel / 10MHz / 16QAM



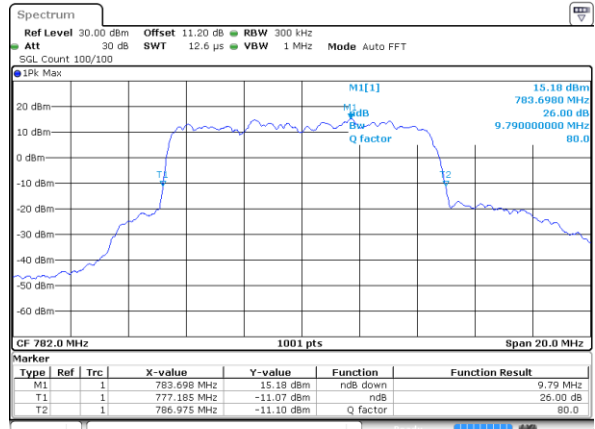
Date: 26 MAR 2021 01:48:55

Middle Channel / 5MHz / 64QAM



Date: 26 MAR 2021 01:38:30

Middle Channel / 10MHz / 64QAM



Date: 26 MAR 2021 02:02:45



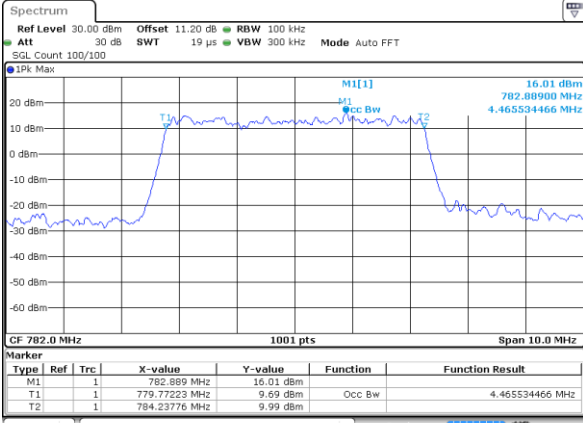
Occupied Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.47	4.48	8.99	9.03	-	-	-	-
Mode	LTE Band 13 : 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	-	9.01	-	-	-	-	-



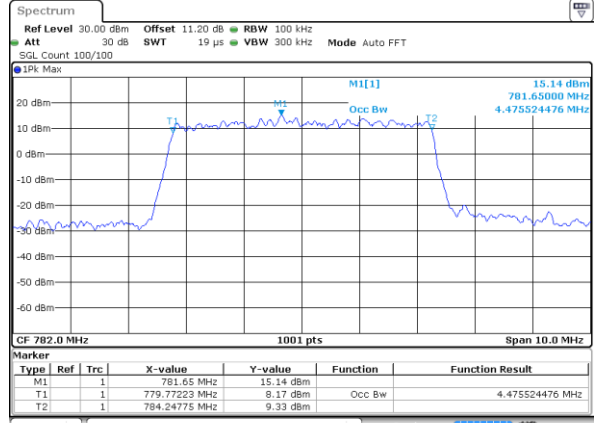
LTE Band 13

Middle Channel / 5MHz / QPSK



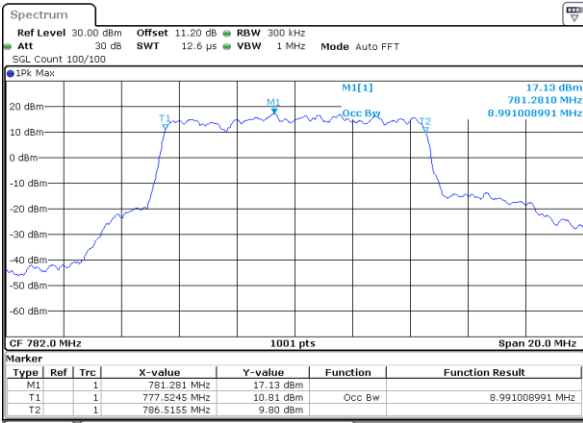
Date: 26 MAR 2021 01:25:40

Middle Channel / 5MHz / 16QAM



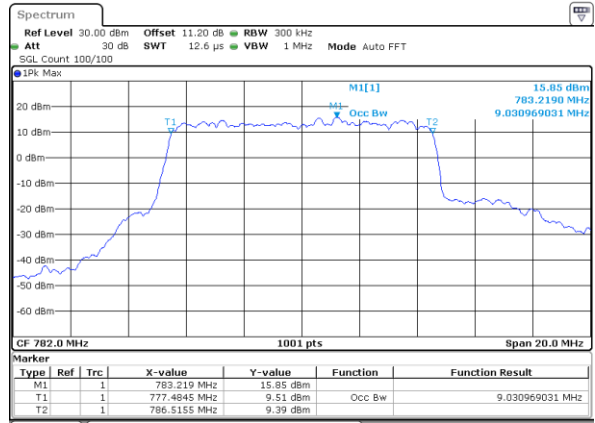
Date: 26 MAR 2021 01:25:15

Middle Channel / 10MHz / QPSK



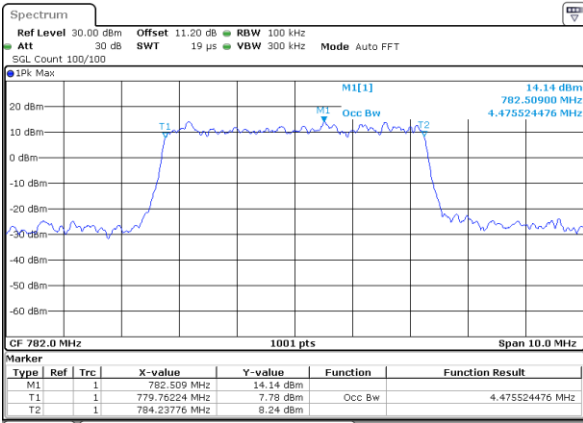
Date: 26 MAR 2021 01:47:39

Middle Channel / 10MHz / 16QAM



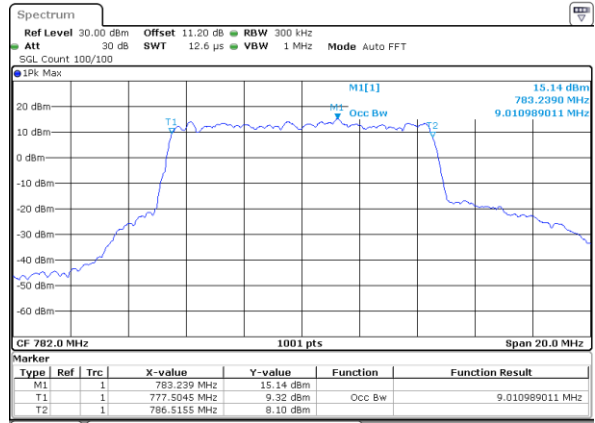
Date: 26 MAR 2021 01:48:05

Middle Channel / 5MHz / 64QAM



Date: 26 MAR 2021 01:43:23

Middle Channel / 10MHz / 64QAM



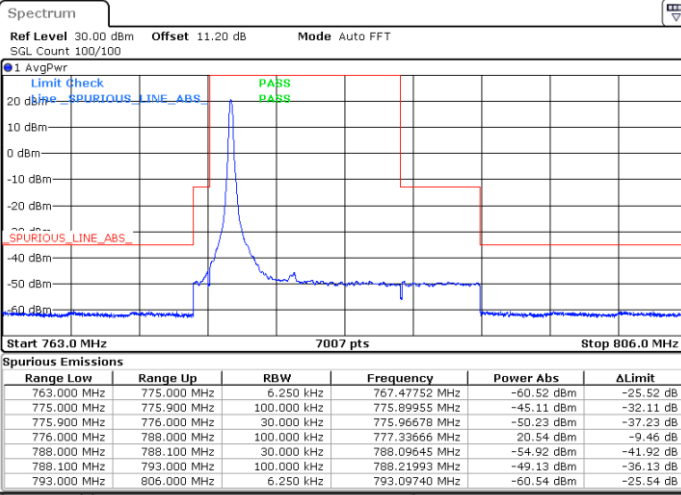
Date: 26 MAR 2021 02:01:54



Conducted Band Edge

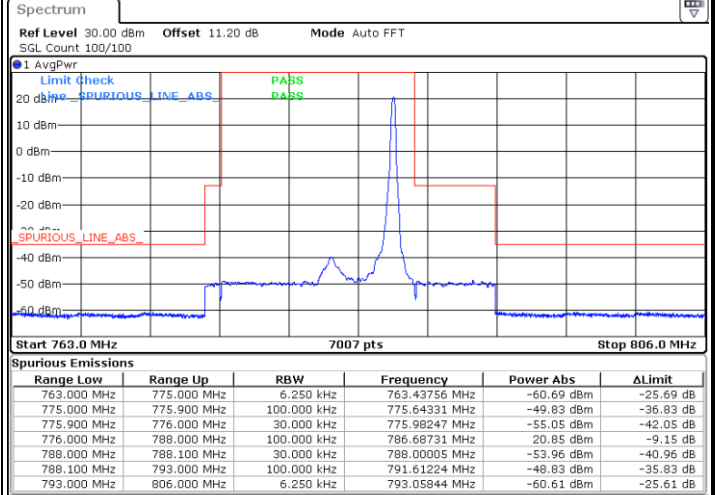
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



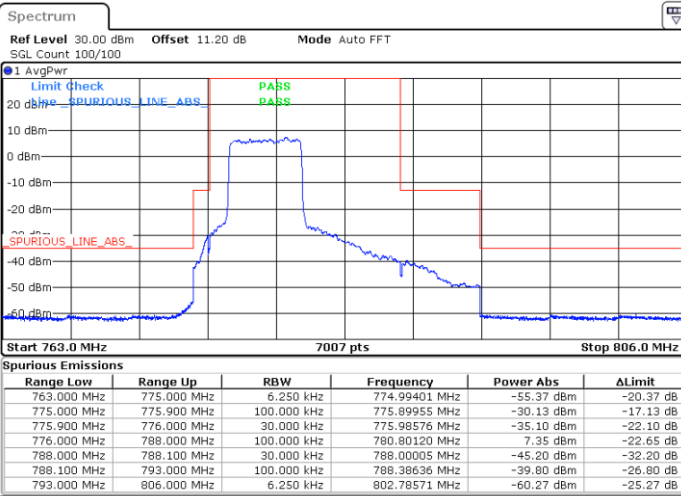
Date: 26 MAR 2021 01:17:52

Highest Band Edge / 1 RB



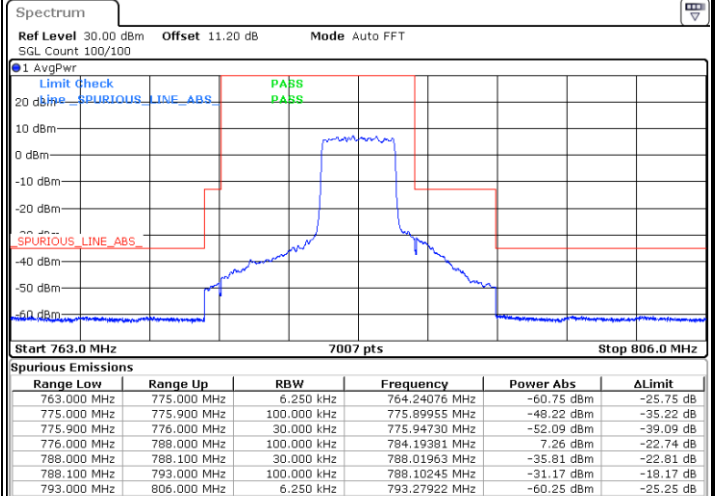
Date: 26 MAR 2021 01:33:21

Lowest Band Edge / Full RB



Date: 26 MAR 2021 01:12:06

Highest Band Edge / Full RB



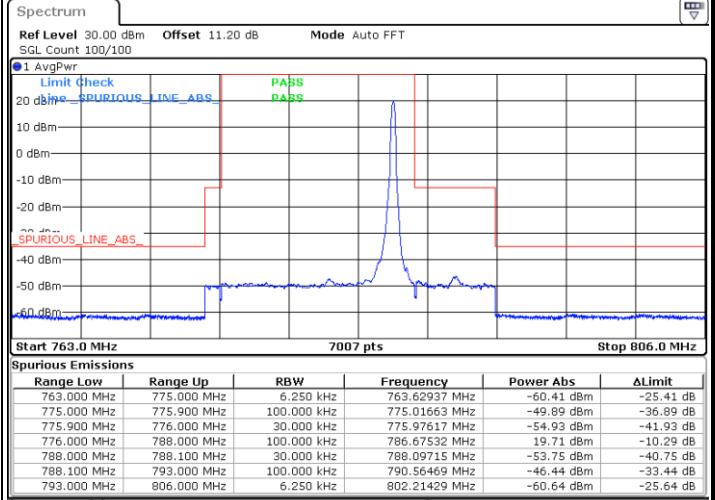
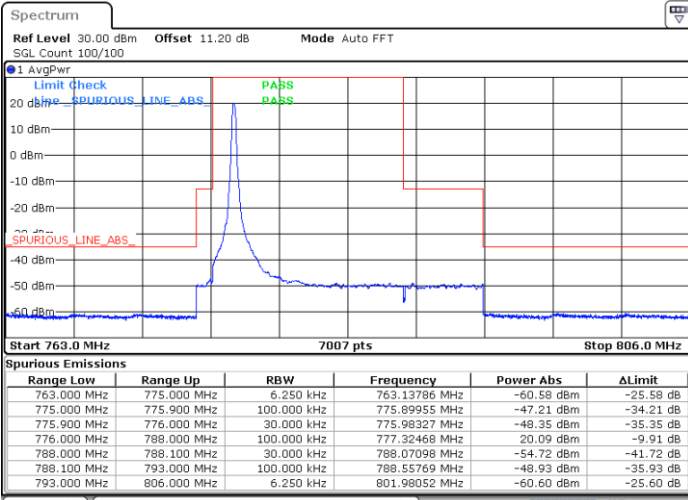
Date: 26 MAR 2021 01:27:35



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

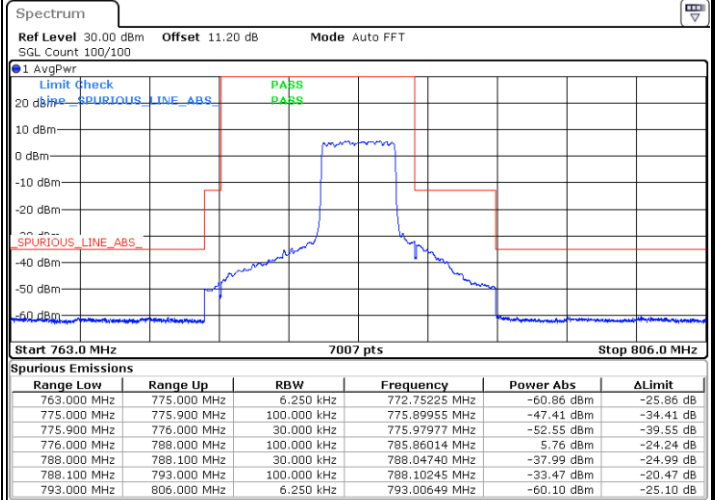
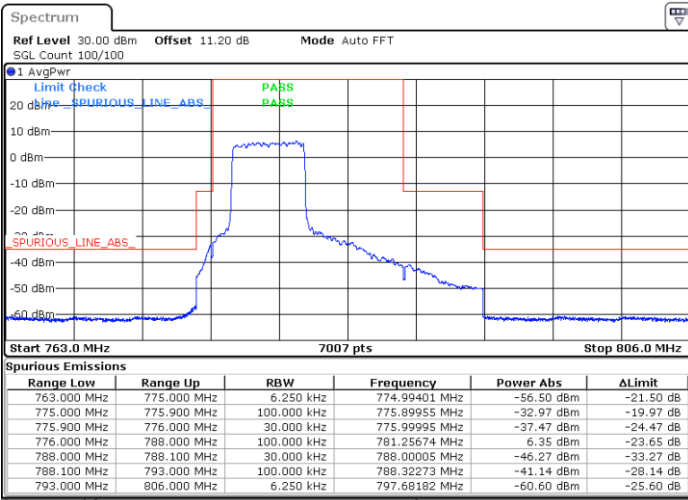


Date: 26 MAR 2021 01:15:57

Date: 26 MAR 2021 01:31:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 MAR 2021 01:14:00

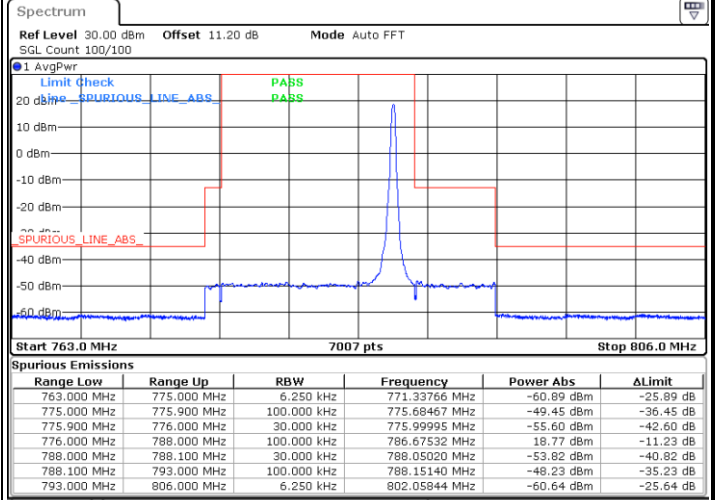
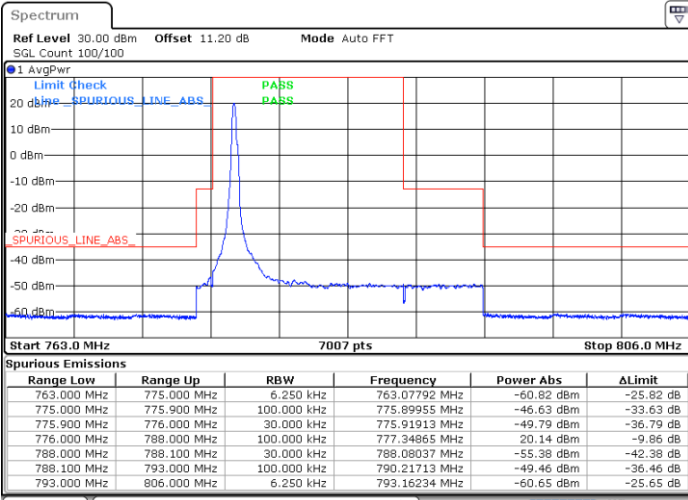
Date: 26 MAR 2021 01:29:31



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

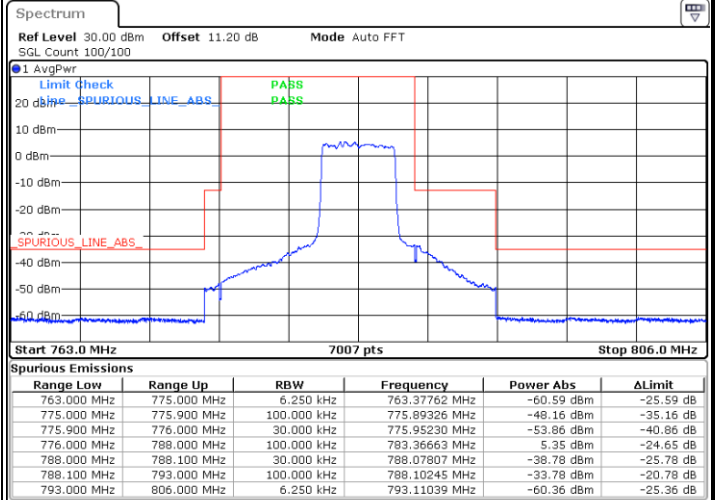
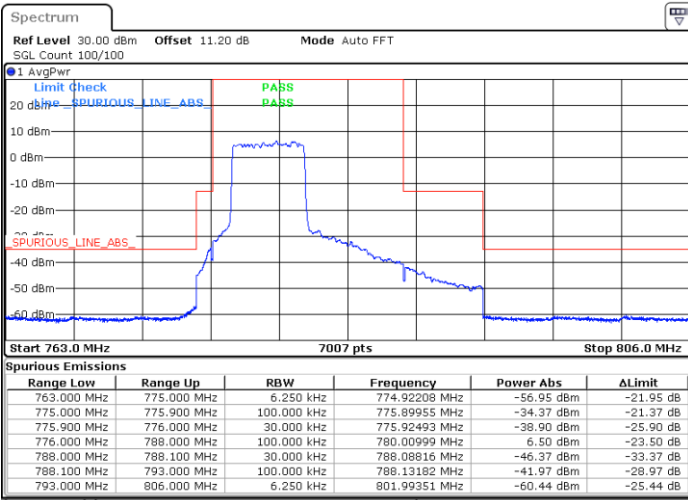


Date: 26 MAR 2021 01:38:05

Date: 26 MAR 2021 01:47:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 MAR 2021 01:36:10

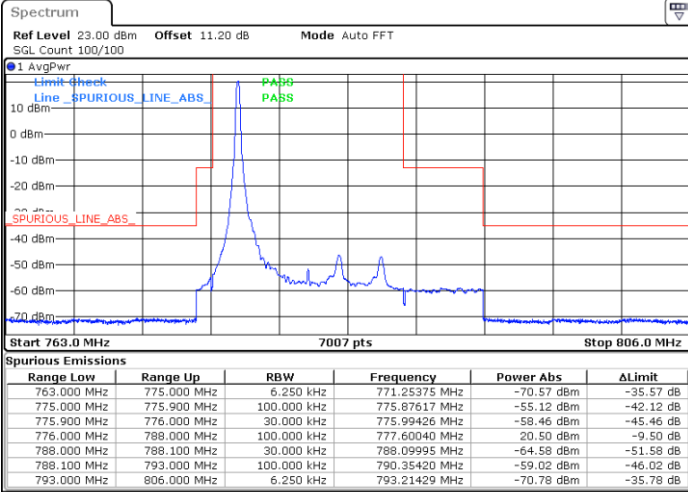
Date: 26 MAR 2021 01:45:18



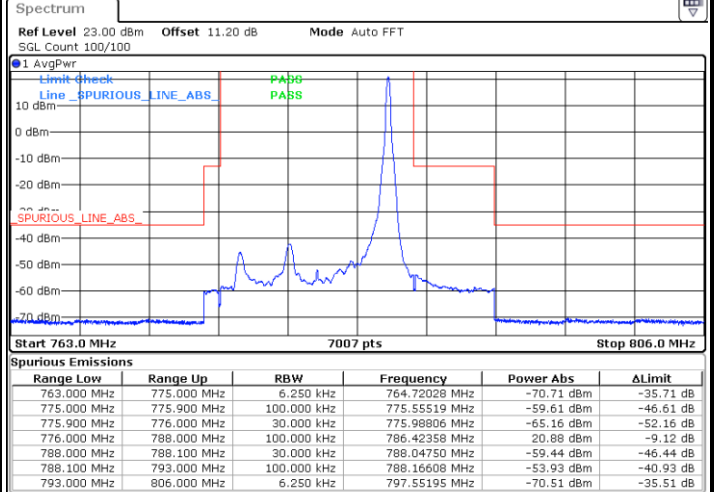
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

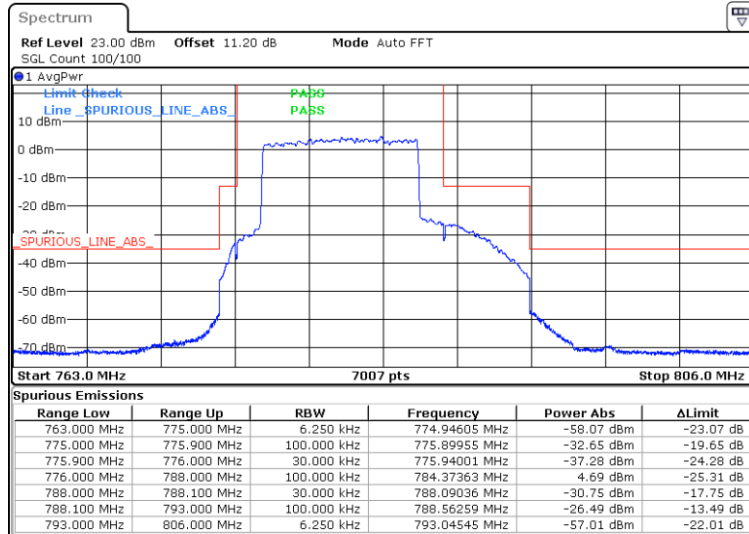


Date: 26.MAR.2021 01:56:48



Date: 26.MAR.2021 01:58:42

Band Edge / Full RB



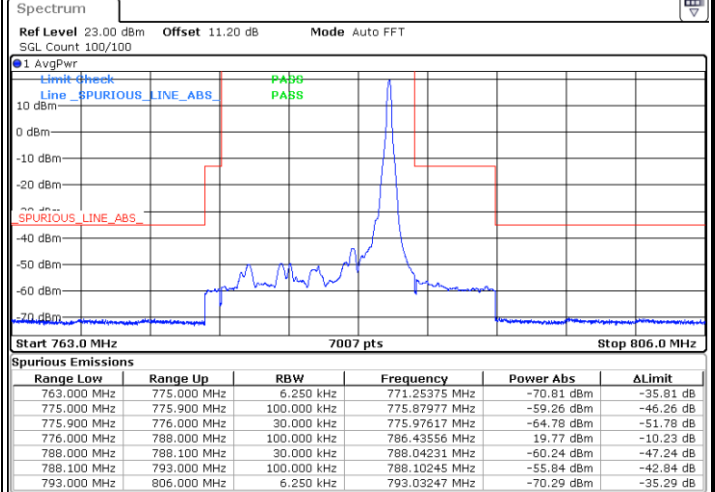
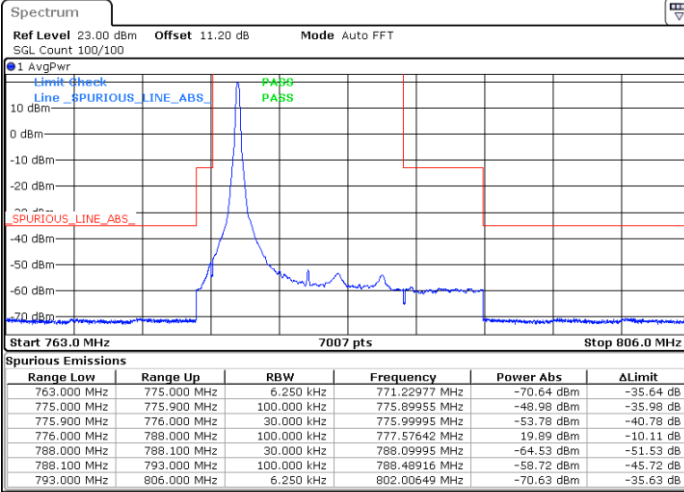
Date: 26.MAR.2021 01:51:02



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

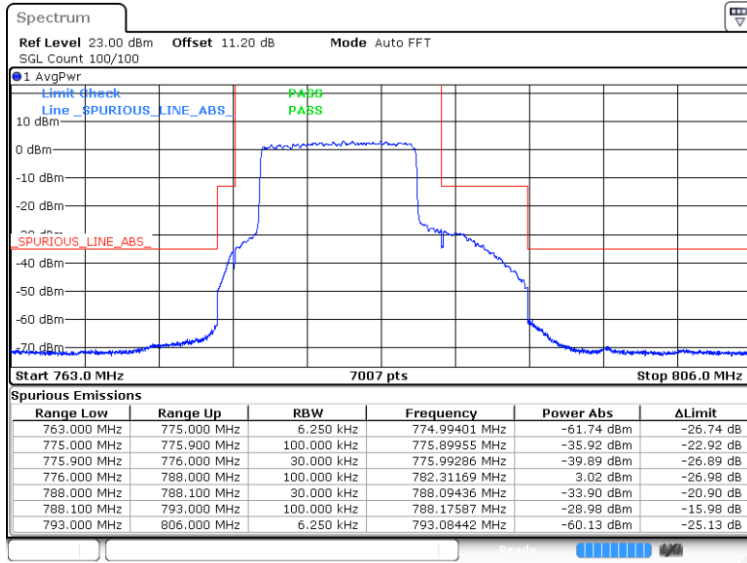
Highest Band Edge / 1 RB



Date: 26.MAR.2021 01:54:53

Date: 26.MAR.2021 02:00:36

Band Edge / Full RB



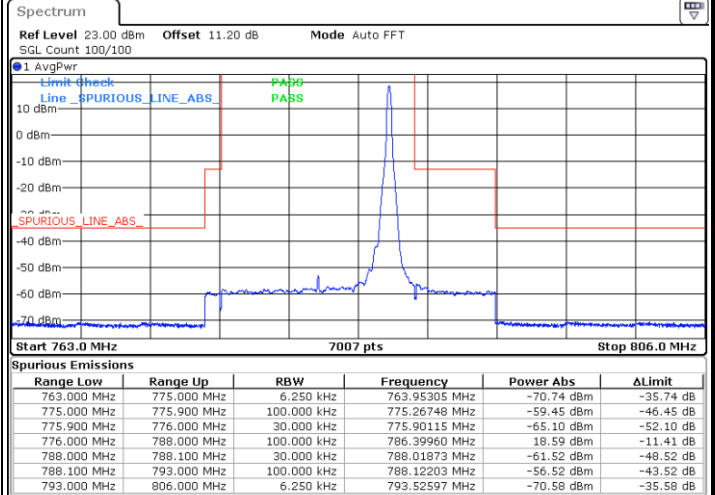
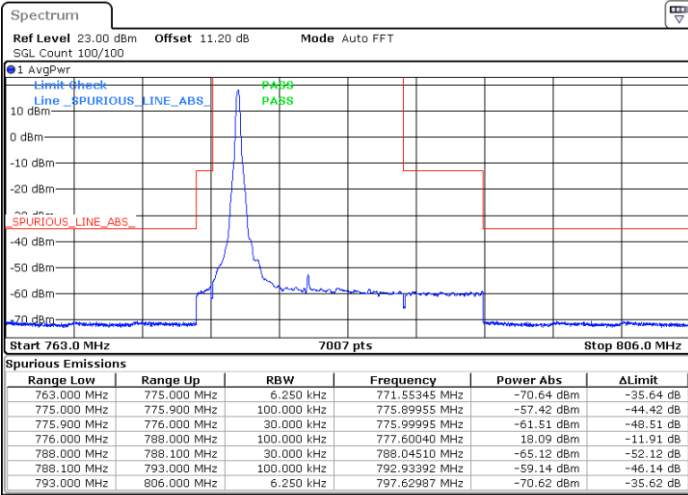
Date: 26.MAR.2021 01:52:56



LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

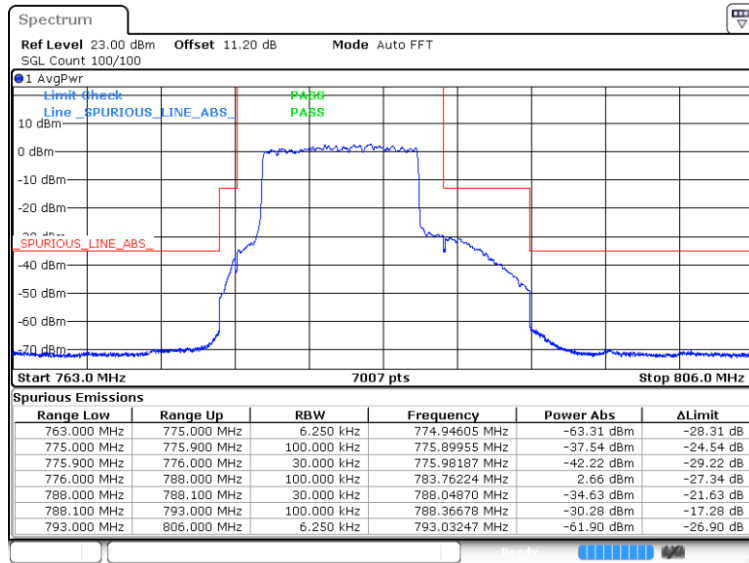
Highest Band Edge / 1 RB



Date: 26.MAR.2021 02:06:23

Date: 26.MAR.2021 02:08:18

Band Edge / Full RB



Date: 26.MAR.2021 02:04:29

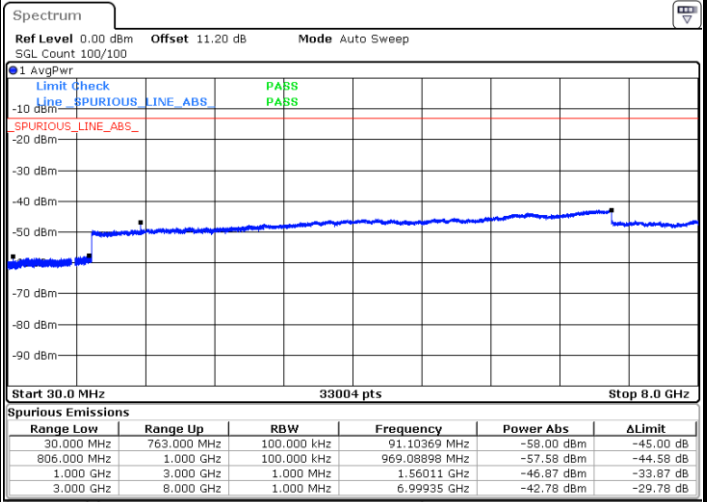
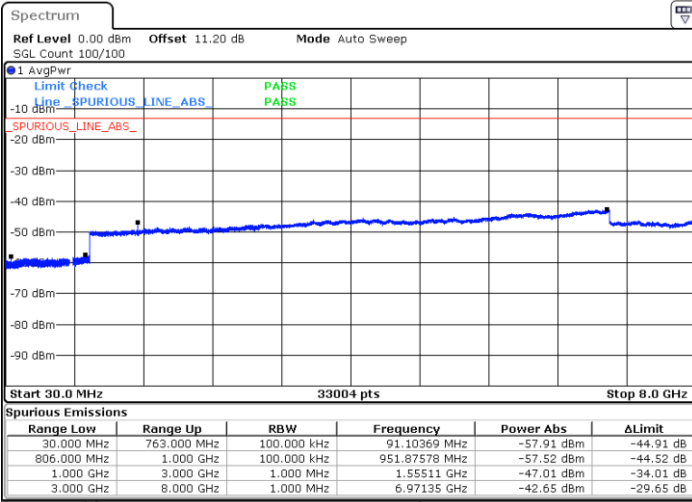


Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

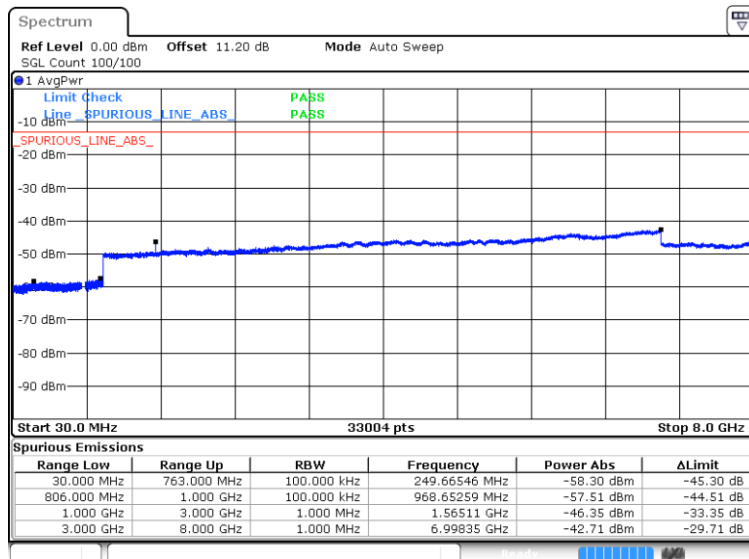
Middle Channel / QPSK



Date: 26.MAR.2021 01:18:36

Date: 26.MAR.2021 01:19:30

Highest Channel / QPSK

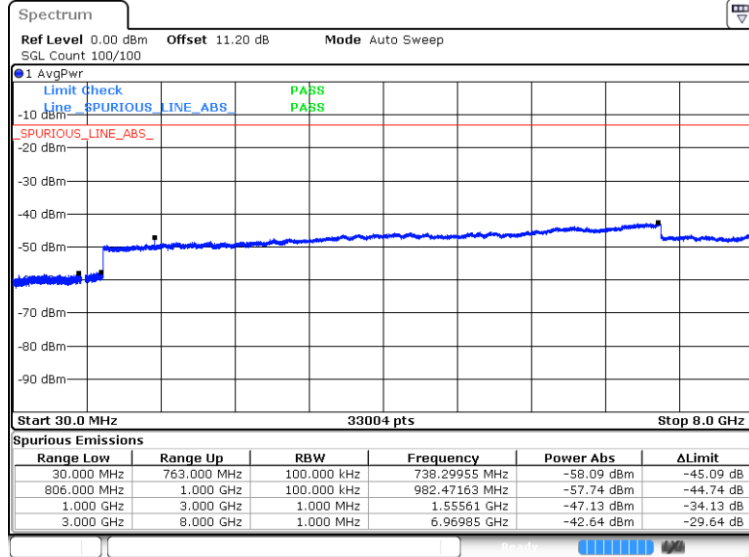


Date: 26.MAR.2021 01:34:15



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 26.MAR.2021 02:01:29



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0201	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0219	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0102	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0180	

Note:

- 1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

<Main>

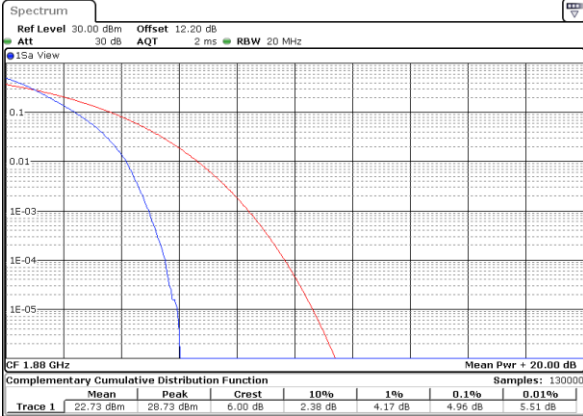
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.91	6.46	-	PASS



LTE Band 25 / 20MHz / QPSK

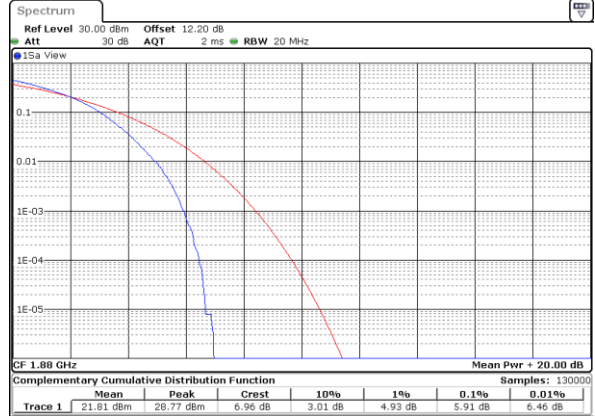
Middle Channel / Full RB



Date: 23 MAR 2021 00:07:09

LTE Band 25 / 20MHz / 16QAM

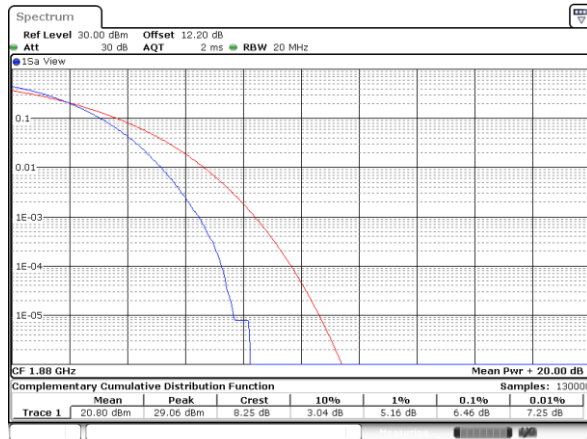
Middle Channel / Full RB



Date: 23 MAR 2021 00:06:42

LTE Band 25 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 23 MAR 2021 00:06:14



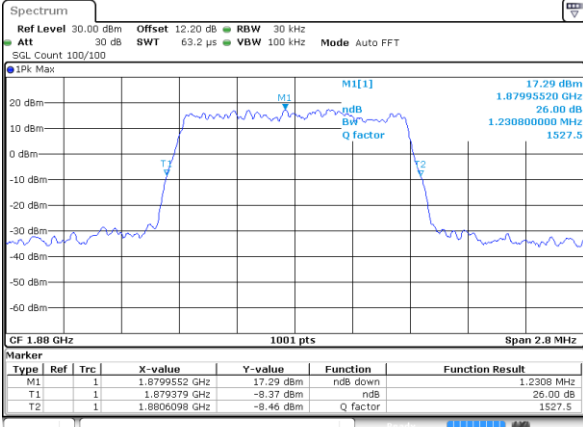
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.23	1.23	3.05	3.06	4.90	4.92	9.91	9.83	14.45	14.24	18.86	18.94
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.22	-	3.03	-	4.95	-	9.73	-	14.63	-	19.14	-



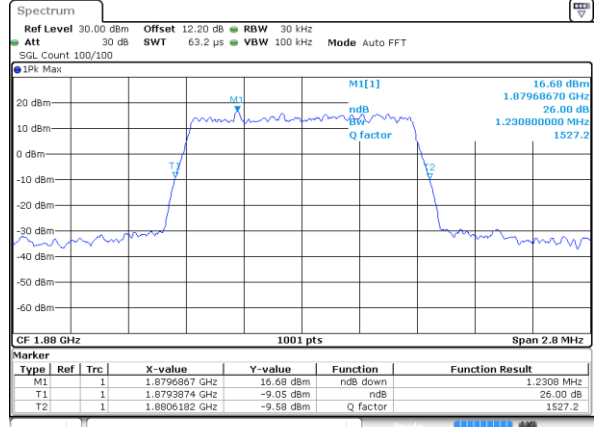
LTE Band 25

Middle Channel / 1.4MHz / QPSK



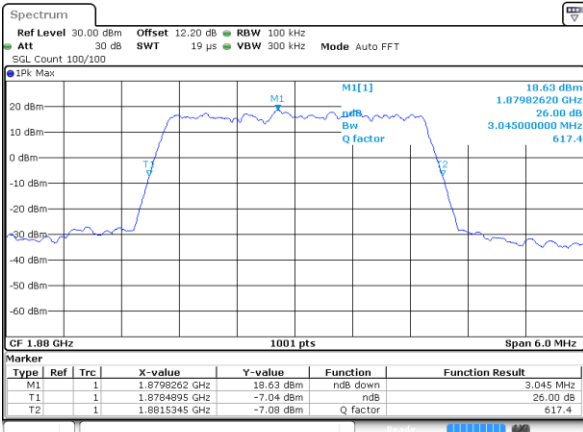
Date: 22 MAR 2021 20:45:37

Middle Channel / 1.4MHz / 16QAM



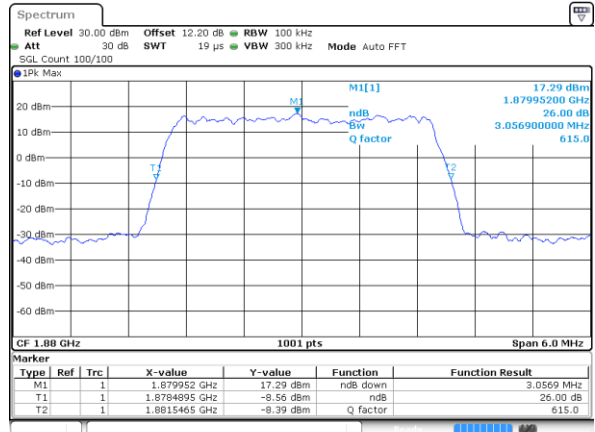
Date: 22 MAR 2021 20:46:01

Middle Channel / 3MHz / QPSK



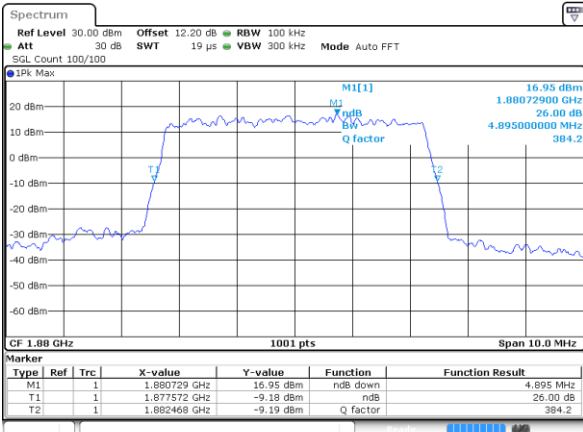
Date: 22 MAR 2021 23:02:37

Middle Channel / 3MHz / 16QAM



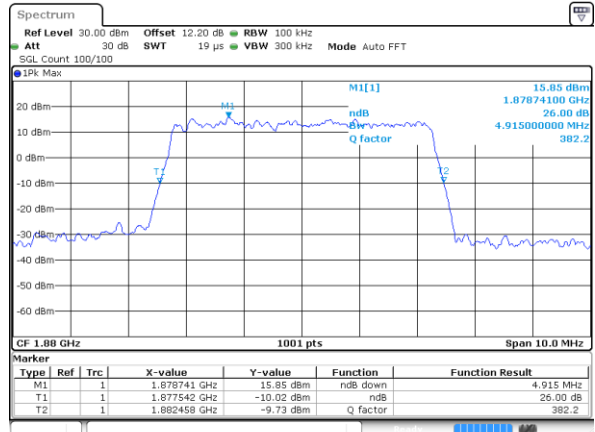
Date: 22 MAR 2021 23:03:01

Middle Channel / 5MHz / QPSK



Date: 22 MAR 2021 23:13:13

Middle Channel / 5MHz / 16QAM

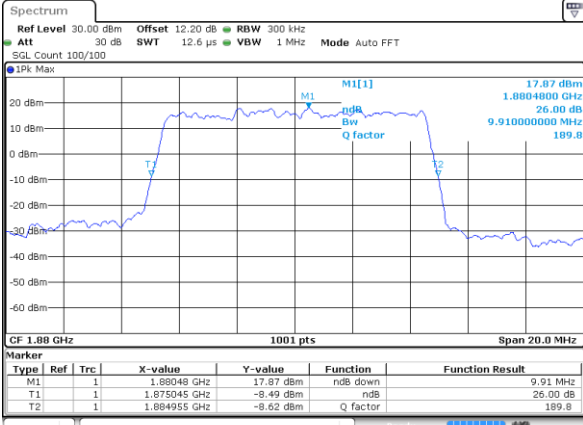


Date: 22 MAR 2021 23:13:37



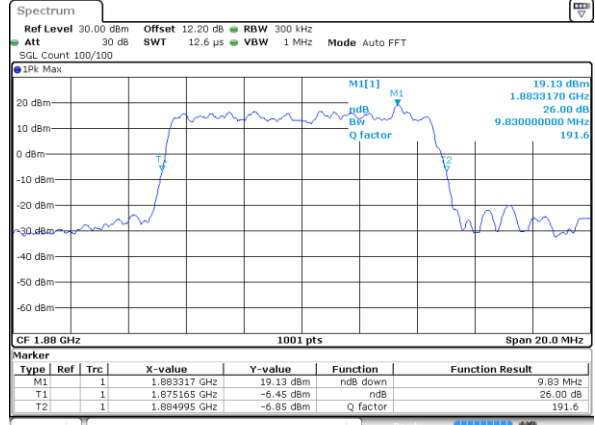
LTE Band 25

Middle Channel / 10MHz / QPSK



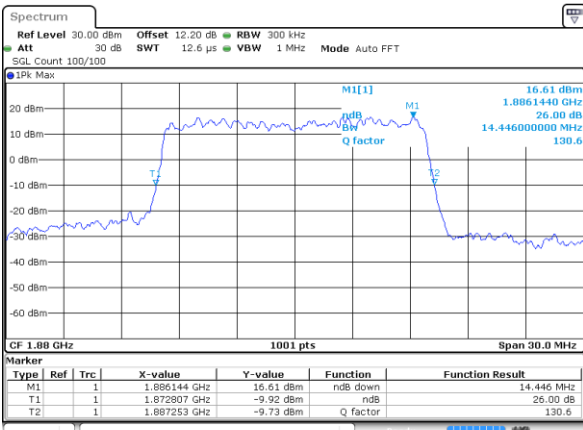
Date: 22 MAR 2021 23:27:27

Middle Channel / 10MHz / 16QAM



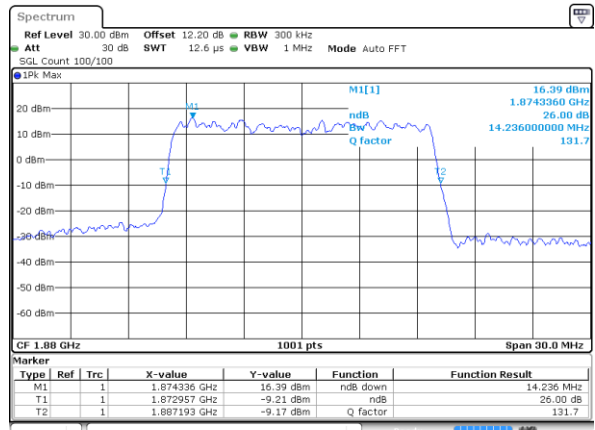
Date: 22 MAR 2021 23:27:51

Middle Channel / 15MHz / QPSK



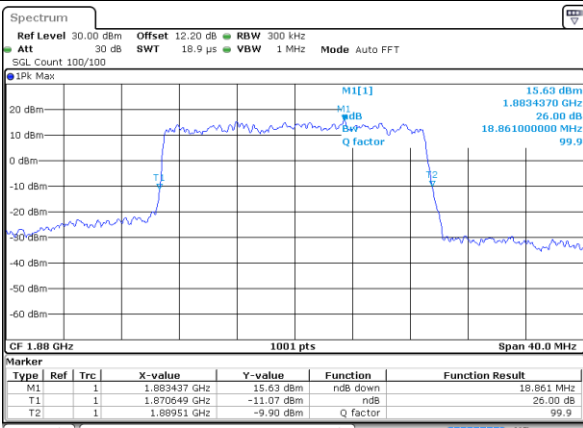
Date: 22 MAR 2021 23:46:16

Middle Channel / 15MHz / 16QAM



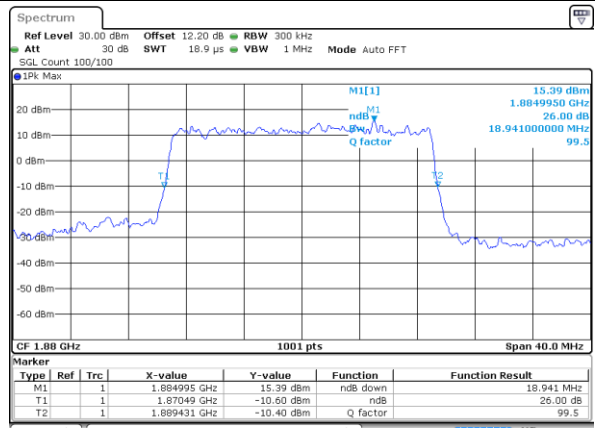
Date: 22 MAR 2021 23:46:40

Middle Channel / 20MHz / QPSK



Date: 22 MAR 2021 23:56:49

Middle Channel / 20MHz / 16QAM

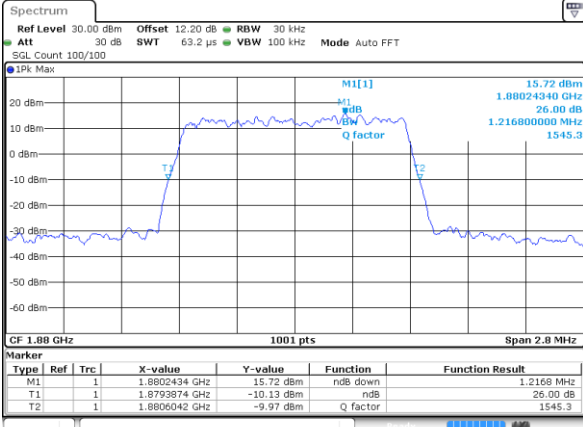


Date: 22 MAR 2021 23:57:13



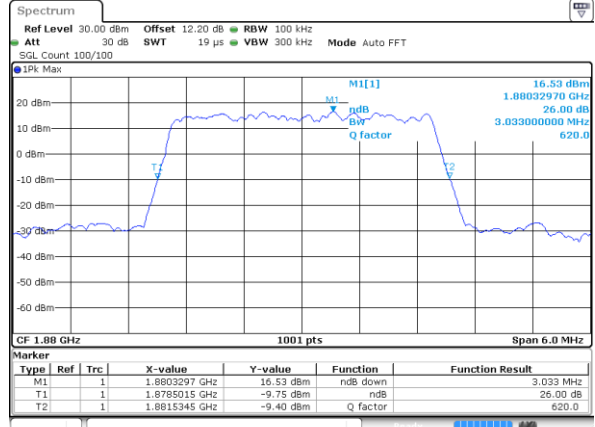
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



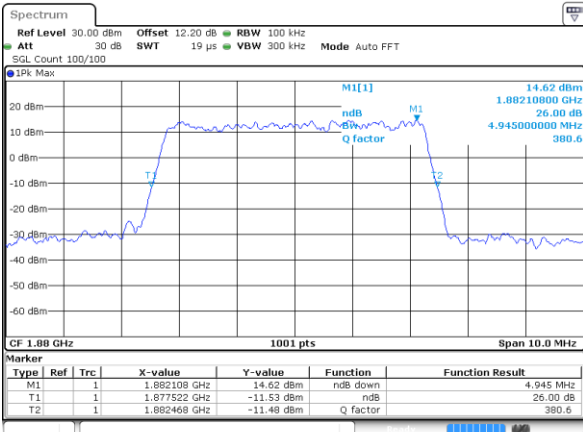
Date: 22 MAR 2021 20:53:07

Middle Channel / 3MHz / 64QAM



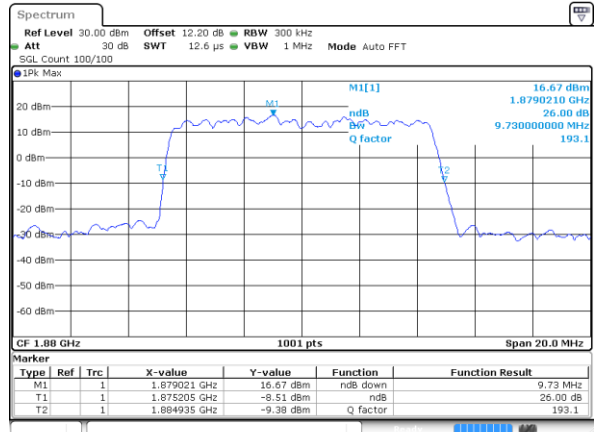
Date: 24 MAR 2021 21:25:05

Middle Channel / 5MHz / 64QAM



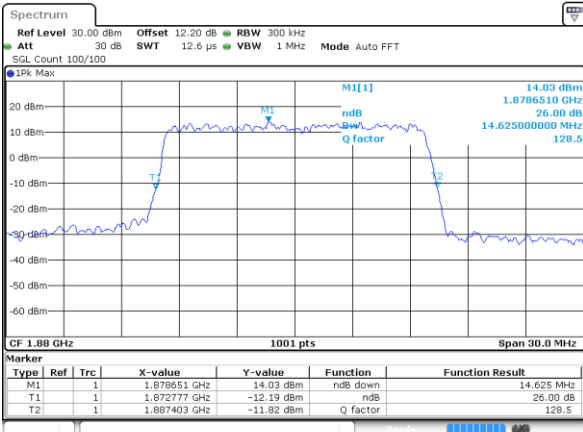
Date: 24 MAR 2021 21:29:04

Middle Channel / 10MHz / 64QAM



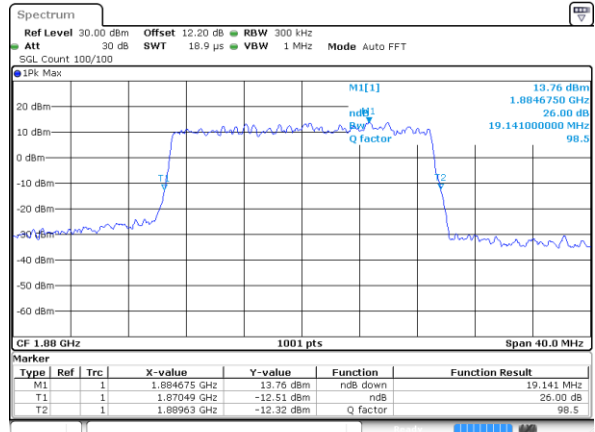
Date: 22 MAR 2021 23:35:55

Middle Channel / 15MHz / 64QAM



Date: 22 MAR 2021 23:39:35

Middle Channel / 20MHz / 64QAM



Date: 23 MAR 2021 00:04:19



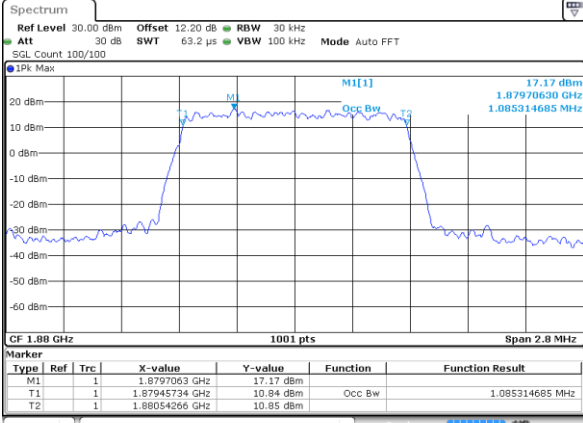
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.72	2.71	4.47	4.50	8.97	9.01	13.43	13.43	17.86	17.78
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	-	2.73	-	4.48	-	9.01	-	13.49	-	17.90	-



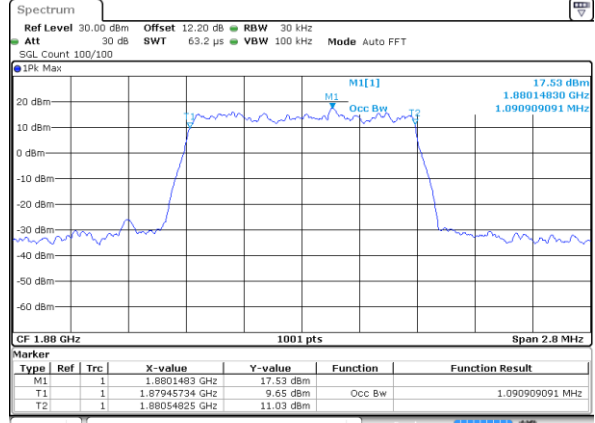
LTE Band 25

Middle Channel / 1.4MHz / QPSK



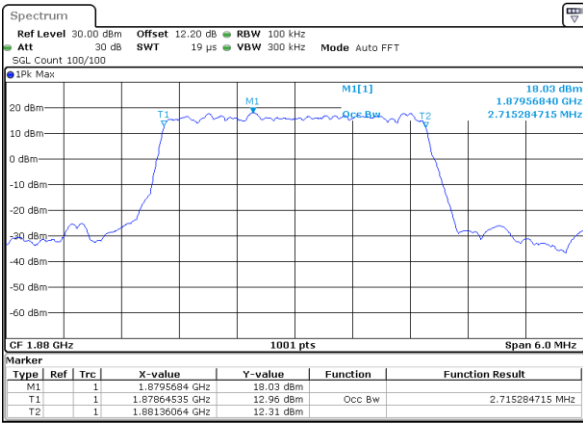
Date: 22 MAR 2021 20:44:45

Middle Channel / 1.4MHz / 16QAM



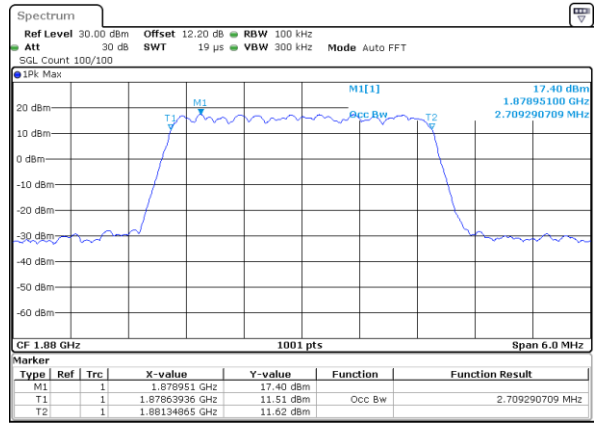
Date: 22 MAR 2021 20:45:11

Middle Channel / 3MHz / QPSK



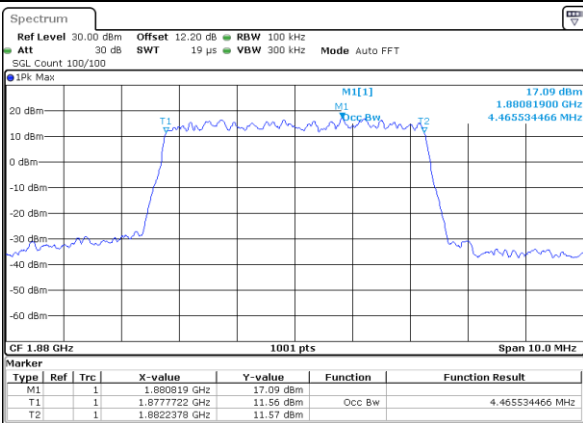
Date: 22 MAR 2021 23:01:45

Middle Channel / 3MHz / 16QAM



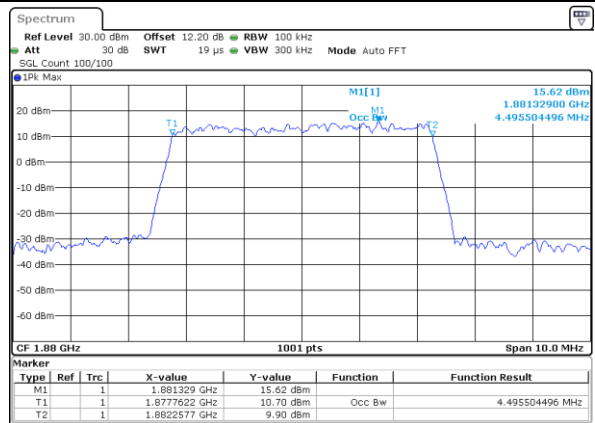
Date: 22 MAR 2021 23:02:11

Middle Channel / 5MHz / QPSK



Date: 22 MAR 2021 23:12:21

Middle Channel / 5MHz / 16QAM

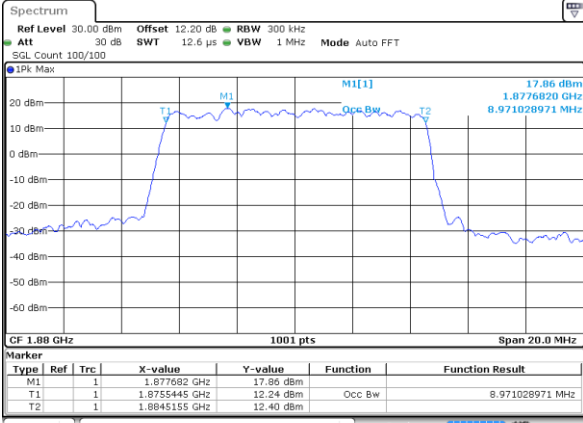


Date: 22 MAR 2021 23:12:47



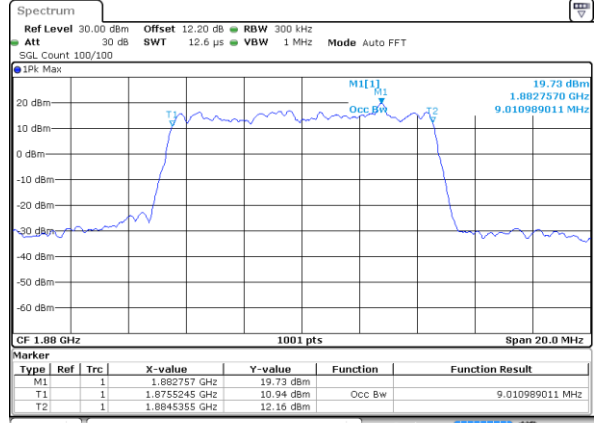
LTE Band 25

Middle Channel / 10MHz / QPSK



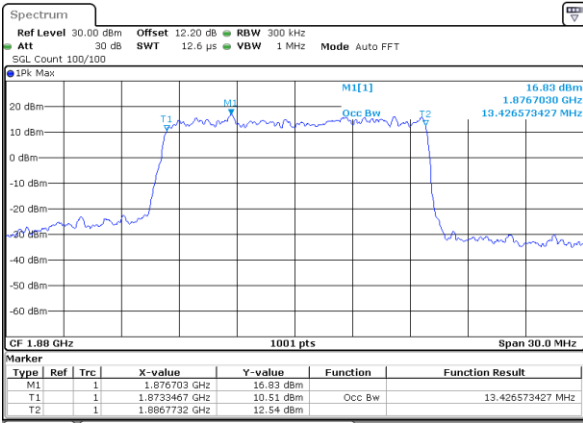
Date: 22 MAR 2021 23:26:36

Middle Channel / 10MHz / 16QAM



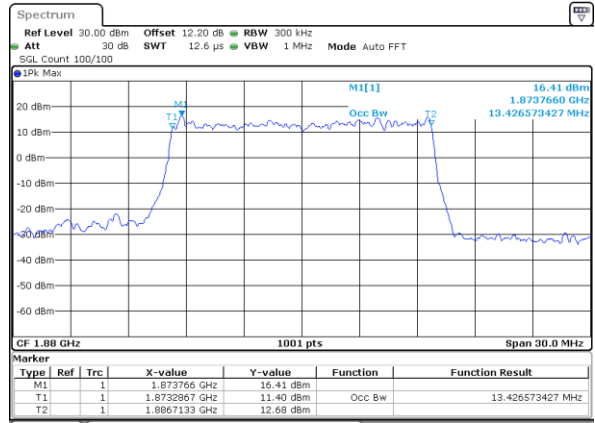
Date: 22 MAR 2021 23:27:02

Middle Channel / 15MHz / QPSK



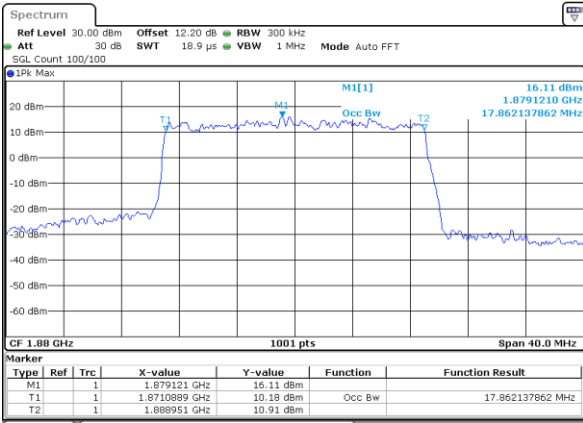
Date: 22 MAR 2021 23:45:25

Middle Channel / 15MHz / 16QAM



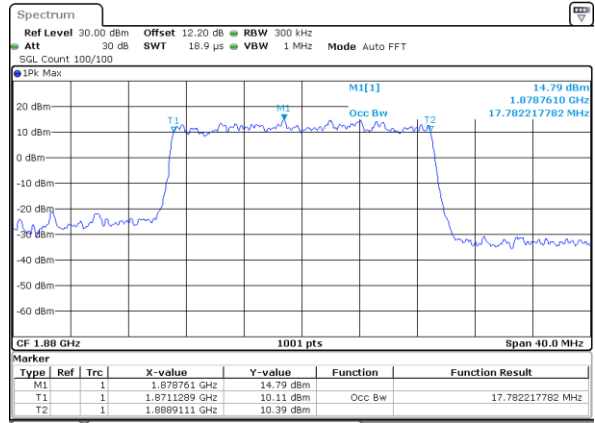
Date: 22 MAR 2021 23:45:51

Middle Channel / 20MHz / QPSK



Date: 22 MAR 2021 23:55:57

Middle Channel / 20MHz / 16QAM

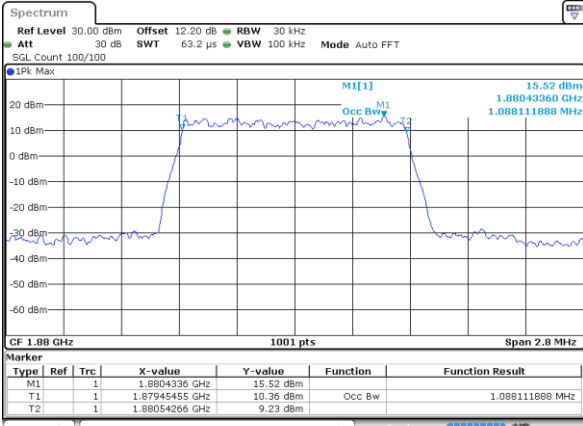


Date: 22 MAR 2021 23:56:23



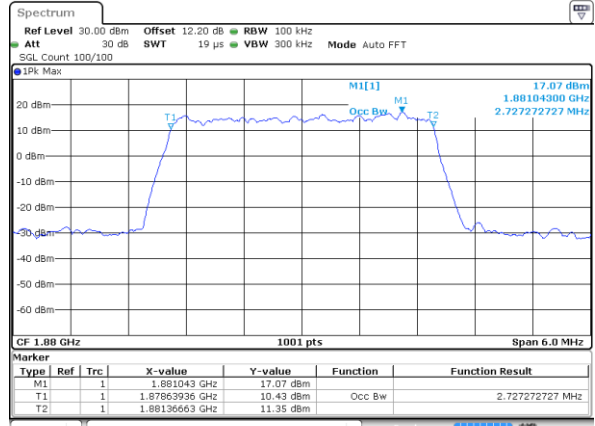
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



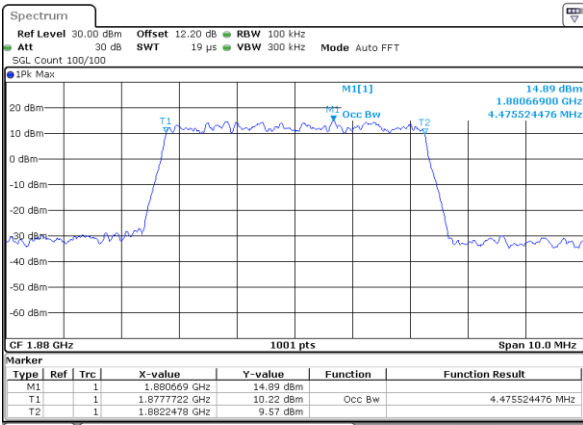
Date: 22 MAR 2021 20:52:51

Middle Channel / 3MHz / 64QAM



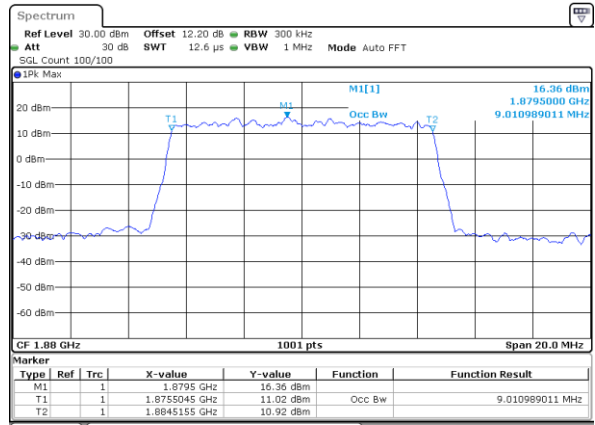
Date: 24 MAR 2021 21:24:49

Middle Channel / 5MHz / 64QAM



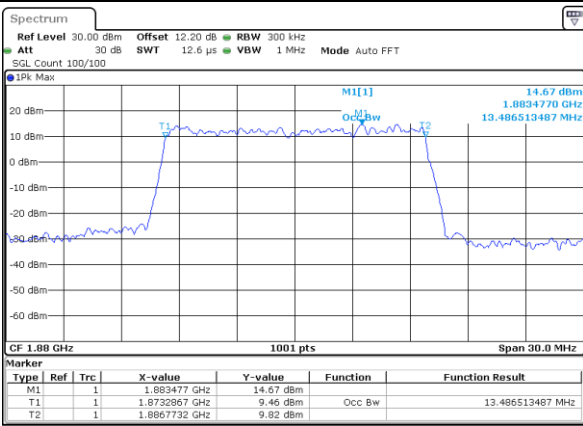
Date: 24 MAR 2021 21:28:47

Middle Channel / 10MHz / 64QAM



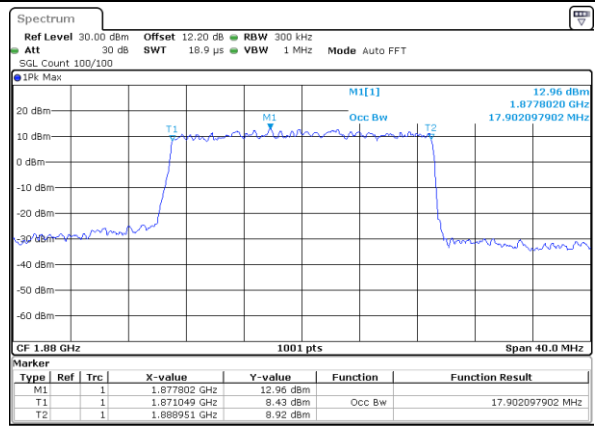
Date: 22 MAR 2021 23:35:39

Middle Channel / 15MHz / 64QAM



Date: 22 MAR 2021 23:39:19

Middle Channel / 20MHz / 64QAM



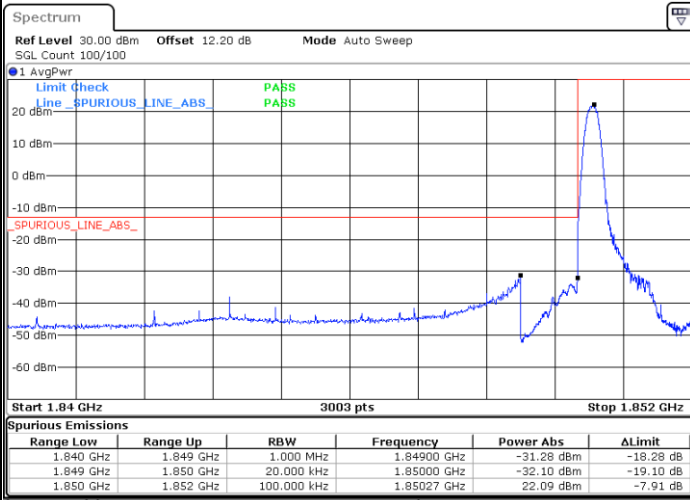
Date: 23 MAR 2021 00:04:03



Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



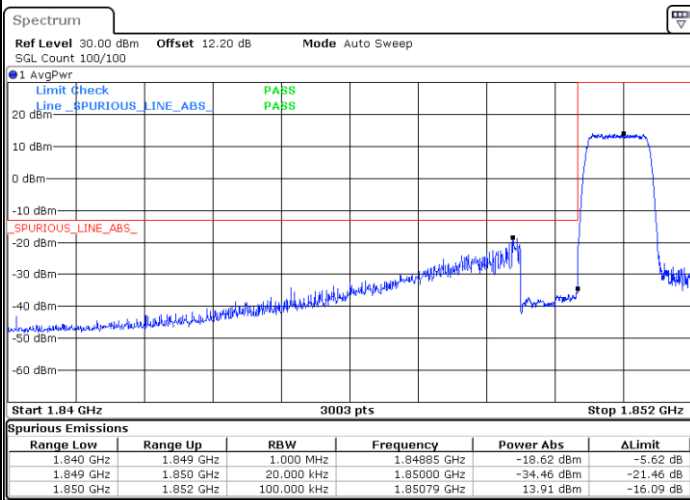
Date: 22.MAR.2021 20:41:08

Highest Band Edge / 1RB



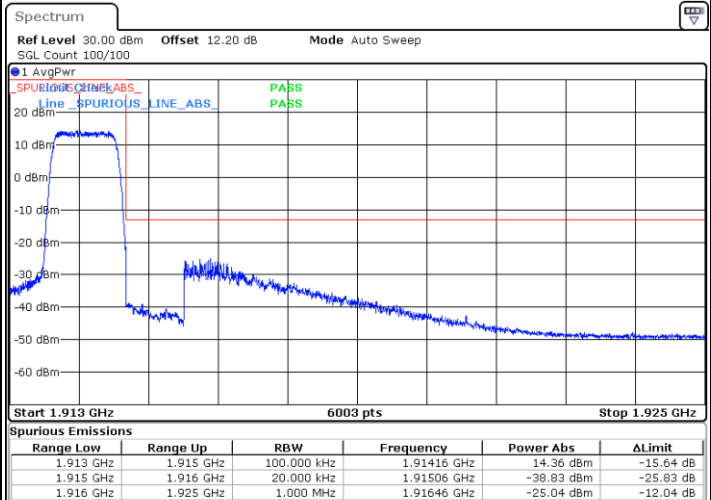
Date: 22.MAR.2021 20:49:58

Lowest Band Edge / Full RB



Date: 22.MAR.2021 20:42:36

Highest Band Edge / Full RB

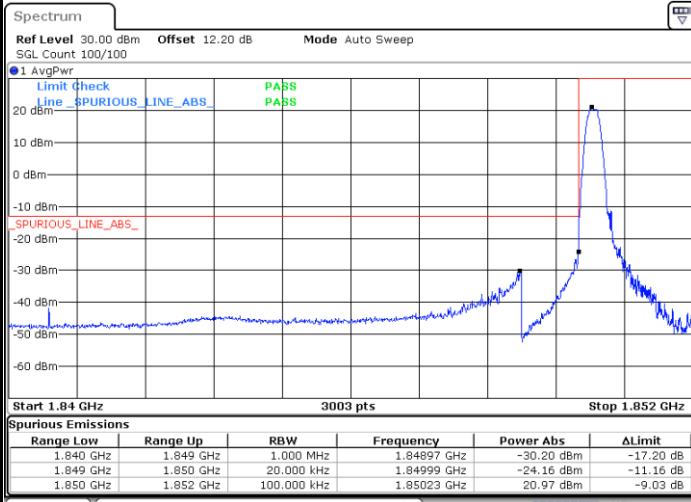


Date: 22.MAR.2021 20:47:42



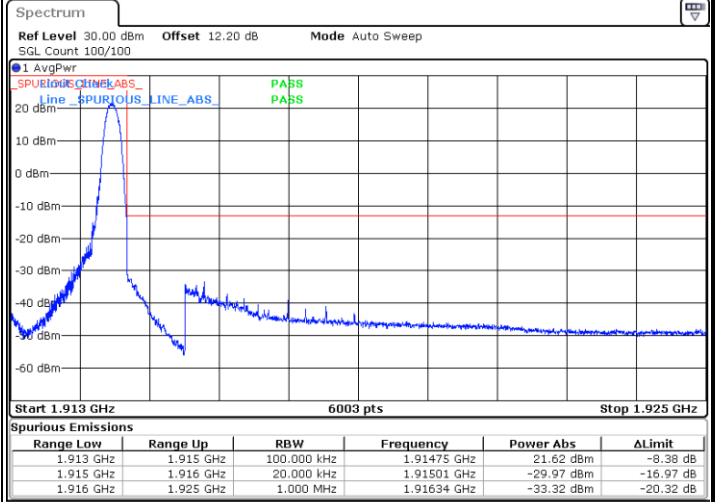
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



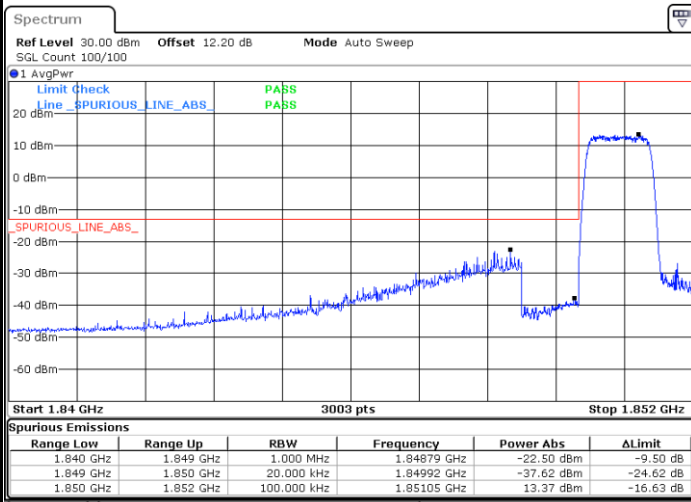
Date: 22 MAR 2021 20:41:52

Highest Band Edge / 1 RB



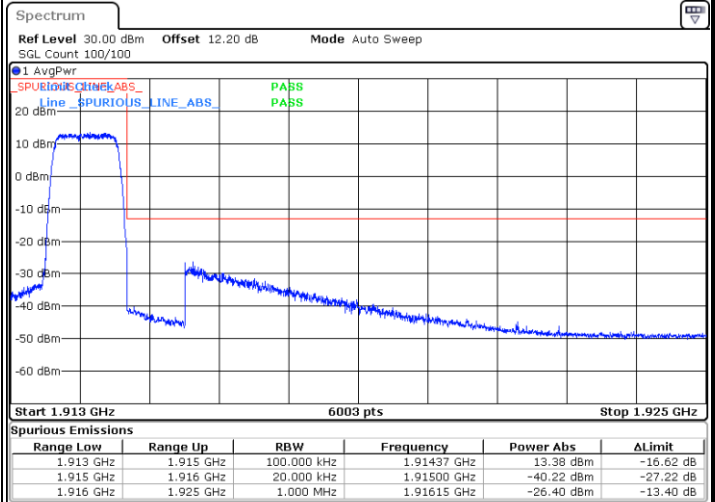
Date: 22 MAR 2021 20:49:13

Lowest Band Edge / Full RB



Date: 22 MAR 2021 20:43:21

Highest Band Edge / Full RB

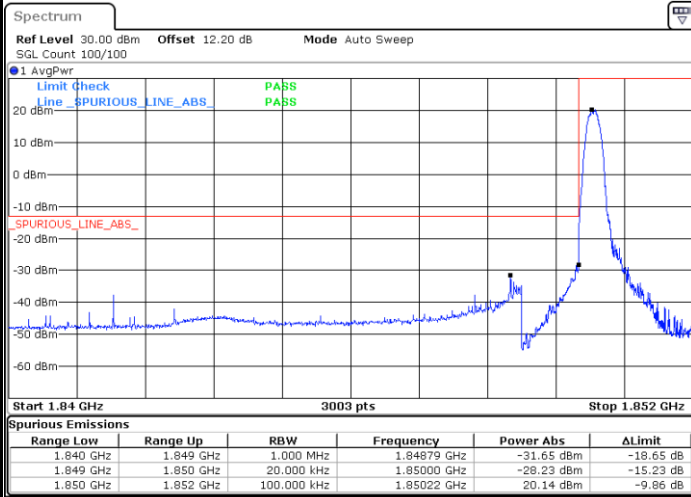


Date: 22 MAR 2021 20:48:28



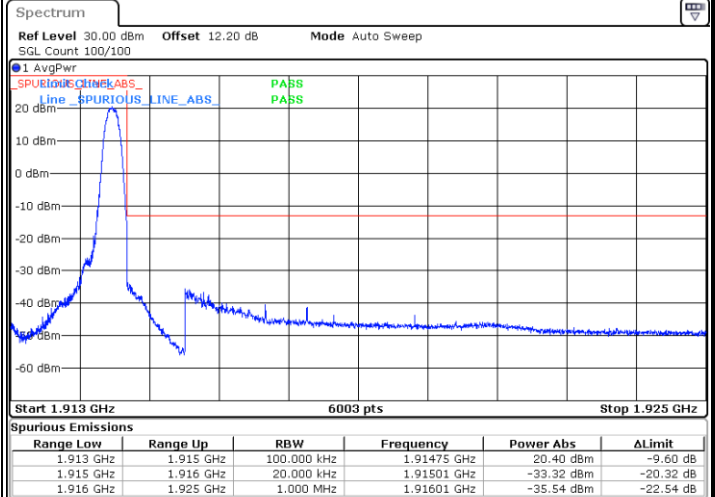
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



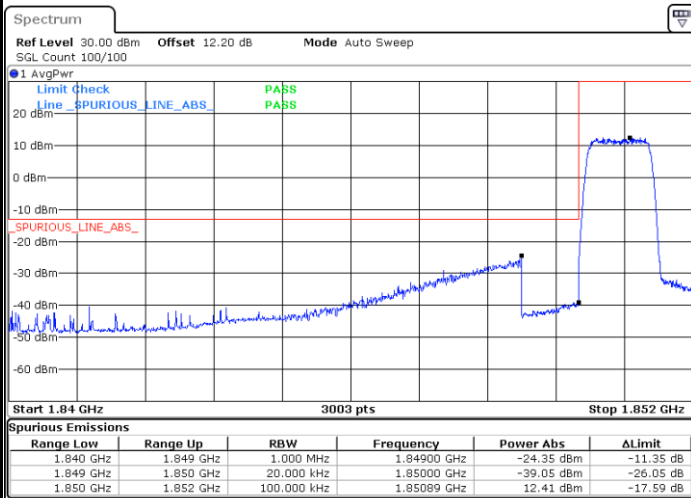
Date: 22 MAR 2021 20:51:41

Highest Band Edge / 1 RB



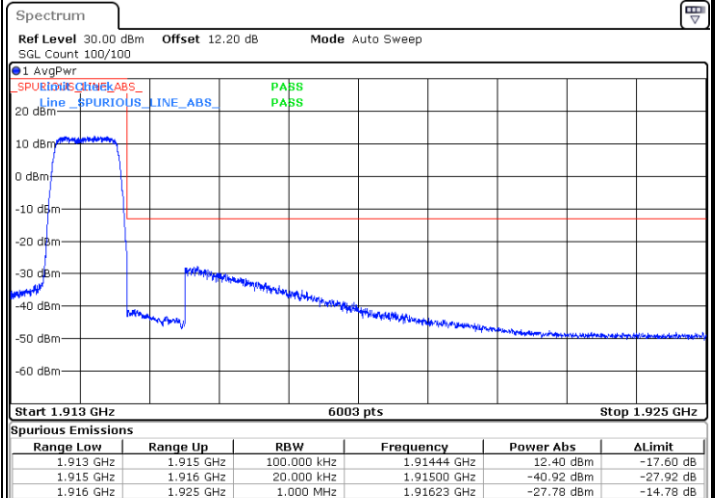
Date: 22 MAR 2021 20:54:36

Lowest Band Edge / Full RB



Date: 22 MAR 2021 20:52:25

Highest Band Edge / Full RB

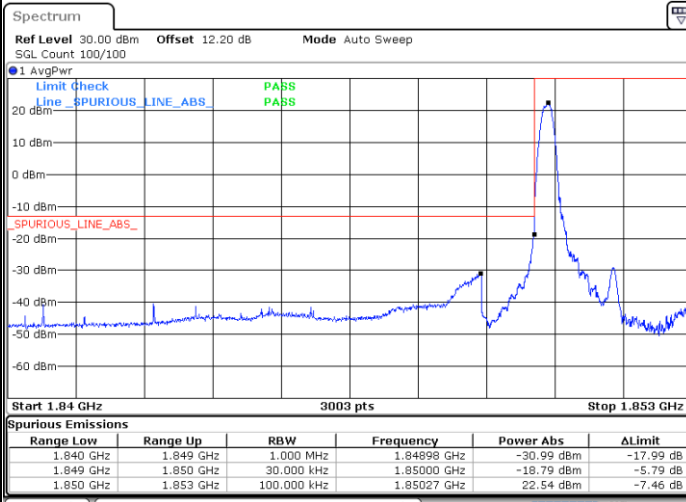


Date: 22 MAR 2021 20:53:50



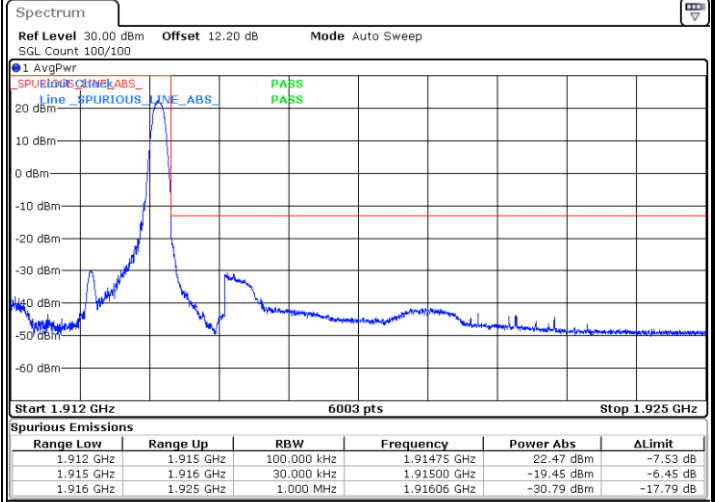
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



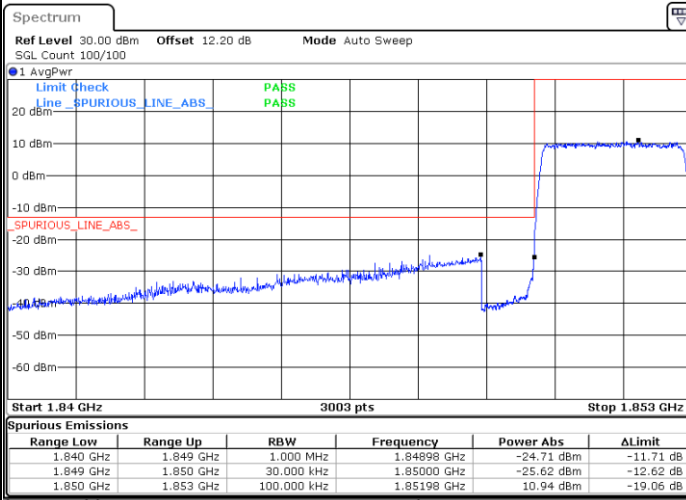
Date: 22 MAR 2021 22:58:07

Highest Band Edge / 1 RB



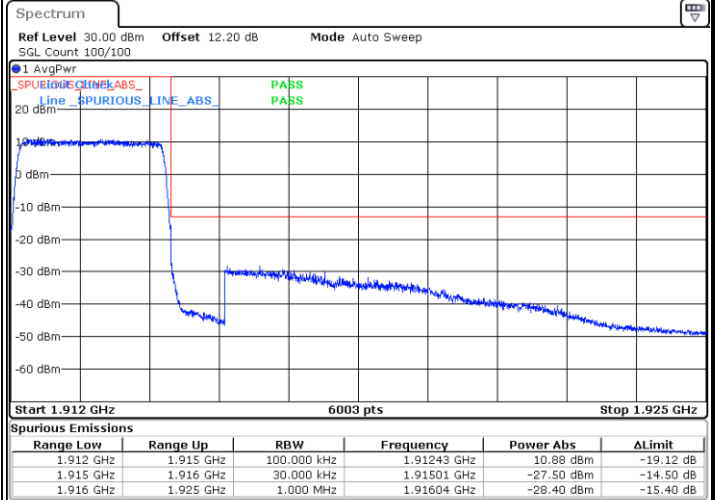
Date: 22 MAR 2021 23:06:59

Lowest Band Edge / Full RB



Date: 22 MAR 2021 22:59:37

Highest Band Edge / Full RB



Date: 22 MAR 2021 23:04:43