FCC RADIO TEST REPORT

FCC ID	:	**PY7-60551T**
Equipment	:	**GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS 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 Mar. 31, 2021 and testing was started from Apr. 18, 2021 and completed on May 18, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FG133117A	01	Initial issue of report	May 19, 2021
FG133117A	02	Revise test data	May 25, 2021
FG133117A	03	Revise Emission Designator	Jun. 08, 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)	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 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 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (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 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (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 66) (Band 71)	Pass	Under limit 12.57 dB at 1565.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 41)		

Remark:

1. The FCC ID: PY7-45256F and FCC ID: PY7-60551T are HW identical, the difference is only SW, and each supported bands are handled by only SW. Only LTE Band 71 for Main Antenna and LTE Band 5, 13 for Sub Antenna are added in this report.
2. Except LTE Band 2, 4, 25, 41, 66, 71 full test in this report are carrying out, the FG133117A report reuses test data for LTE Band 5, 12, 13, 17 from the FG132425B.

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: Ruby Zou

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 and GNSS.

Product Specification subjective to this standard	
Antenna Type	Loop Antenna
Antenna Gain	**<Main>** LTE Band 2: 0.8 dBi LTE Band 4: -0.7 dBi LTE Band 5: -4.5 dBi LTE Band 12: -5.3 dBi LTE Band 13: -7.7 dBi LTE Band 17: -5.3 dBi LTE Band 25: 0.8 dBi LTE Band 41: -0.2 dBi LTE Band 66: -0.7 dBi LTE Band 71: -8.4 dBi **<Sub>** LTE Band 5: -3.6 dBi LTE Band 13: -3.9 dBi

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

EUT Information List			
HW Version	**SW Version**	**S/N**	**Performed Test Item**
A	0.747	QV7200R27E	Conducted Measurement ERP/EIRP Test
	0.747	QV7200A07E	Radiated Spurious Emission

Accessory List	
AC Adapter	Model Name : XQZ-UC1
	S/N: 0020W51300039
Earphone	Model Name : MH750
	S/N : N/A
USB Cable	Model Name : XQZ-UB1
	S/N : N/A

Note:

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

1.2 Modification of EUT

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

1.3 Emission Designator

<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	-	-	0.3034	-	-	0.2518	-	-	0.2023
3	1851.5 ~ 1908.5	-	-	0.3041	-	-	0.2518	-	-	0.2089
5	1852.5 ~ 1907.5	-	-	0.3027	-	-	0.2472	-	-	0.2061
10	1855.0 ~ 1905.0	-	-	0.3013	-	-	0.2500	-	-	0.2028
15	1857.5 ~ 1902.5	-	-	0.3041	-	-	0.2466	-	-	0.2028
20	1860.0 ~ 1900.0	-	-	0.3048	-	-	0.2495	-	-	0.2018
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	-	-	0.2153	-	-	0.1791	-	-	0.1432
3	1711.5~1753.5	-	-	0.2163	-	-	0.1786	-	-	0.1469
5	1712.5~1752.5	-	-	0.2138	-	-	0.1758	-	-	0.1445
10	1715.0~1750.0	-	-	0.2128	-	-	0.1786	-	-	0.1445
15	1717.5~1747.5	-	-	0.2158	-	-	0.1786	-	-	0.1435
20	1720.0~1745.0	-	-	0.2168	-	-	0.1791	-	-	0.1426
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	-	0.3062	1M09W7D	-	0.2576	1M09W7D	-	0.2056
3	1851.5 ~ 1913.5	2M72G7D	-	0.3062	2M72W7D	-	0.2547	2M72W7D	-	0.2123
5	1852.5 ~ 1912.5	4M49G7D	-	0.3062	4M49W7D	-	0.2553	4M49W7D	-	0.2084
10	1855.0 ~ 1910.0	9M01G7D	0.0112	0.3062	9M01W7D	0.0112	0.2547	9M01W7D	0.0112	0.2061
15	1857.5 ~ 1907.5	13M4G7D	-	0.3062	13M4W7D	-	0.2518	13M4W7D	-	0.2046
20	1860.0 ~ 1905.0	17M9G7D	-	0.3069	17M9W7D	-	0.2506	17M9W7D	-	0.2051

LTE Band 41		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	2498.5 ~ 2687.5	4M48G7D	-	0.2618	4M50W7D	-	0.2014	4M47W7D	-	0.1618
10	2501.0 ~ 2685.0	9M03G7D	0.0047	0.2624	8M97W7D	-	0.2061	9M03W7D	-	0.1652
15	2503.5 ~ 2682.5	13M4G7D	-	0.2624	13M4W7D	-	0.2042	13M4W7D	-	0.1607
20	2506.0 ~ 2680.0	17M9G7D	-	0.2630	17M9W7D	-	0.2028	17M9W7D	-	0.1578
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	-	0.2188	1M09W7D	-	0.1824	1M10W7D	-	0.1479
3	1711.5 ~ 1778.5	2M72G7D	-	0.2188	2M71W7D	-	0.1824	2M72W7D	-	0.1517
5	1712.5 ~ 1777.5	4M50G7D	-	0.2188	4M49W7D	-	0.1803	4M52W7D	-	0.1489
10	1715.0 ~ 1775.0	8M97G7D	0.0087	0.2188	9M05W7D	-	0.1828	9M05W7D	-	0.1476
15	1717.5 ~ 1772.5	13M5G7D	-	0.2188	13M5W7D	-	0.1811	13M5W7D	-	0.1466
20	1720.0 ~ 1770.0	17M9G7D	-	0.2193	17M9W7D	-	0.1782	17M9W7D	-	0.1439
LTE Band 71		**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	665.5 ~ 695.5	4M49G7D	-	0.0220	4M49W7D	-	0.0192	4M49W7D	-	0.0149
10	668.0 ~ 693.0	9M05G7D	0.0134	0.0220	9M05W7D	-	0.0194	9M03W7D	-	0.0152
15	670.5 ~ 690.5	13M5G7D	-	0.0223	13M4W7D	-	0.0195	13M5W7D	-	0.0151
20	673.0 ~ 688.0	17M9G7D	-	0.0225	17M8W7D	-	0.0194	17M9W7D	-	0.0191

<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	1M09G7D	-	0.0621	1M09W7D	-	0.0607	1M09W7D	-	0.0607
3	825.5 ~ 847.5	2M72G7D	-	0.0630	2M71W7D	-	0.0536	2M76W7D	-	0.0421
5	826.5 ~ 846.5	4M50G7D	-	0.0637	4M48W7D	-	0.0538	4M49W7D	-	0.0429
10	829.0 ~ 844.0	8M99G7D	0.0155	0.0638	8M95W7D	-	0.0543	8M99W7D	-	0.0417
LTE Band13		**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	4M48G7D	-	0.0547	4M47W7D	-	0.0462	4M48W7D	-	0.0368
10	782.0	8M95G7D	0.0134	0.0548	8M95W7D	-	0.0467	8M97W7D	-	0.0365

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Benjamin Lin
Temperature	22.5~23.2℃
Relative Humidity	49.3~52.6%

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY (TAF Code: 3786)
Test Engineer	Leo Lee, Mancy Chou and Bigshow Wang
Temperature	20.7~25.6℃
Relative Humidity	44~64 %
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, 66; Y Plane for LTE Band 71; Z Plane for LTE Band 25; Sub: Z Plane for LTE Band 5, 13) were recorded in this report.

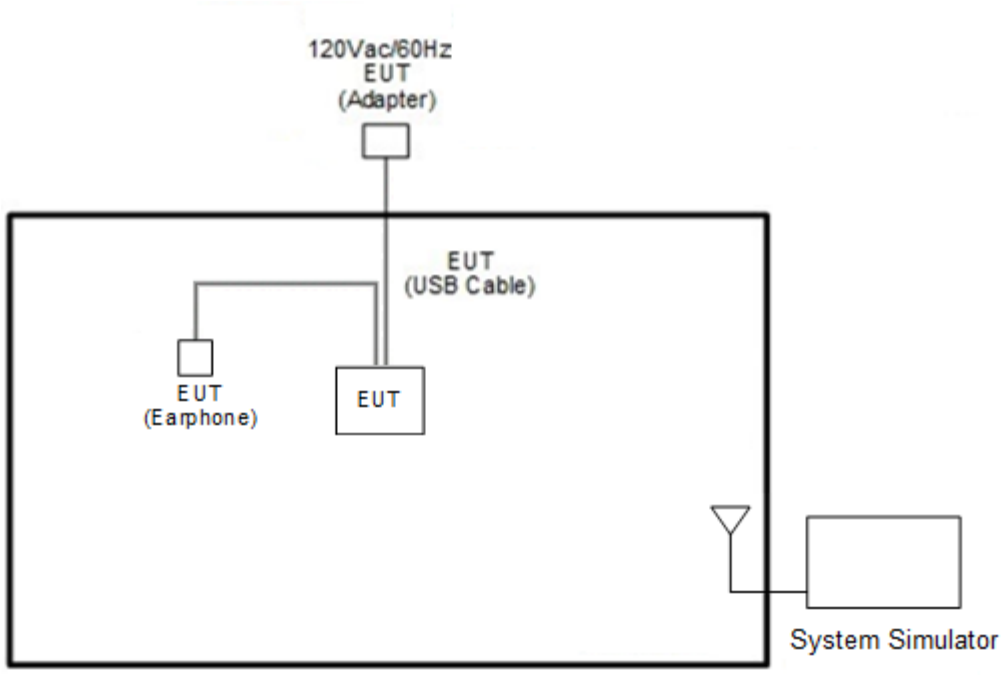
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v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

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

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

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

LTE Band 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 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

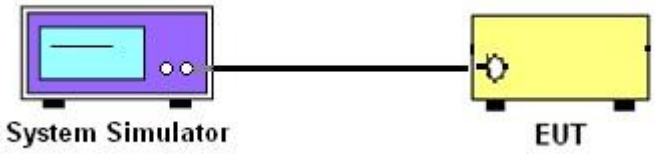
3 Conducted Test Items

3.1 Measuring Instruments

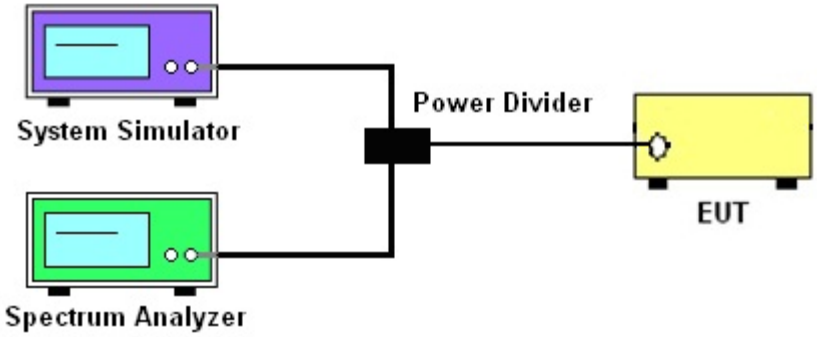
See list of measuring instruments of this test report.

3.1.1 Test Setup

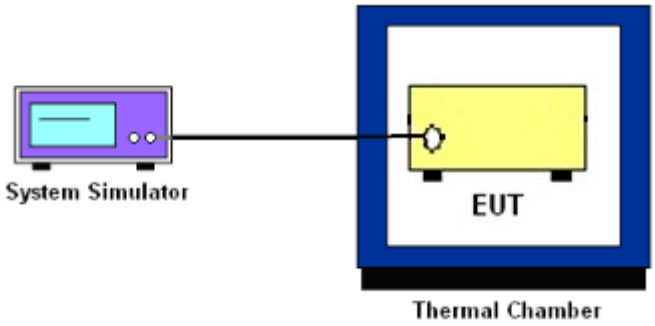
3.1.2 Conducted Output Power



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

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

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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

3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For LTE Band 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 10^{th} harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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

   For LTE Band 41

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

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

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

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

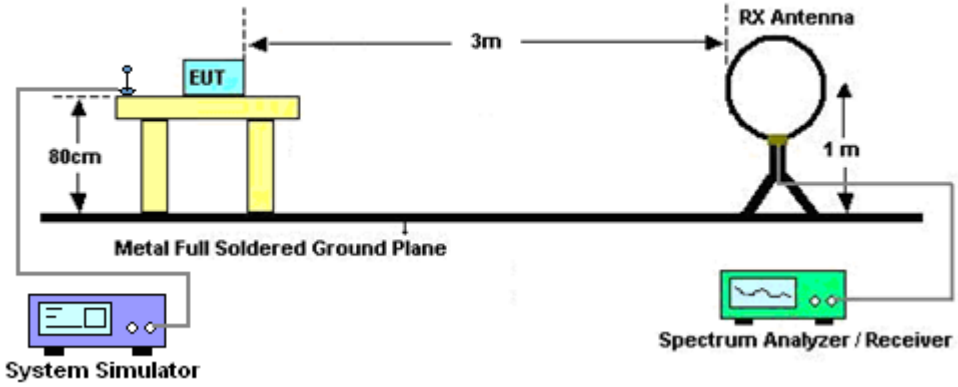
4 Radiated Test Items

4.1 Measuring Instruments

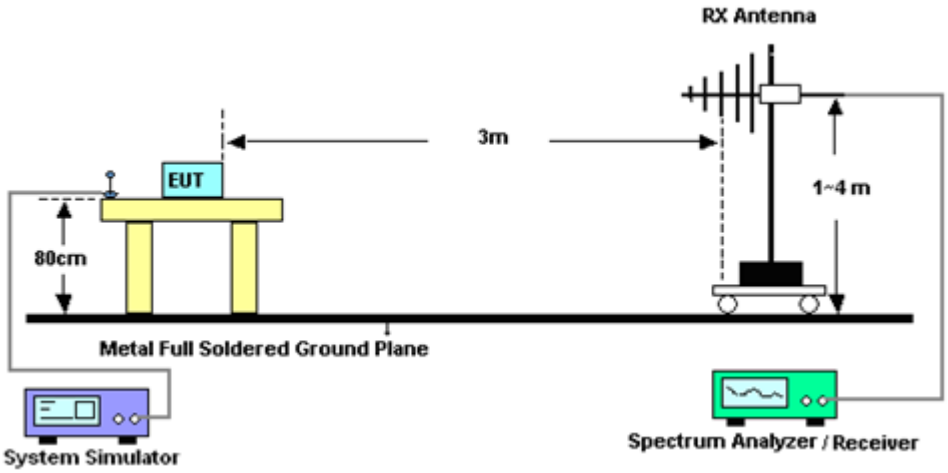
See list of measuring instruments of this test report.

4.1.1 Test Setup

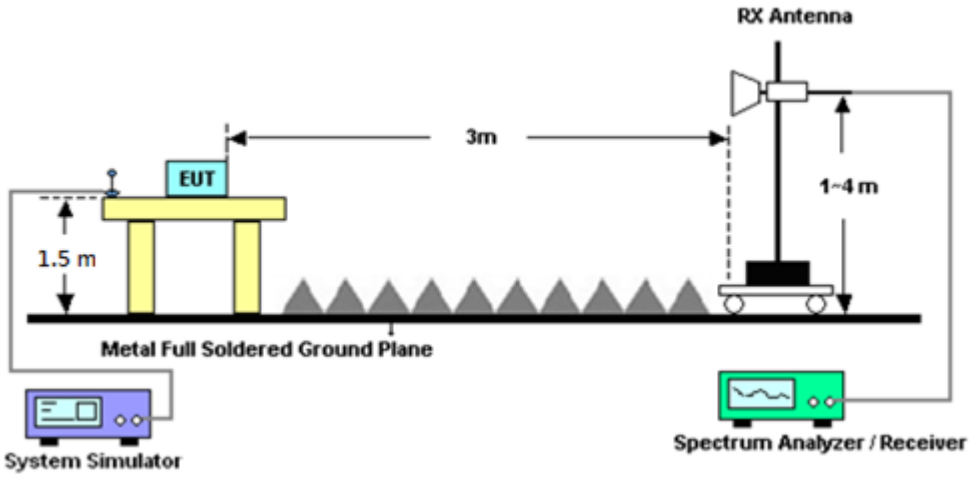
For radiated test below 30MHz



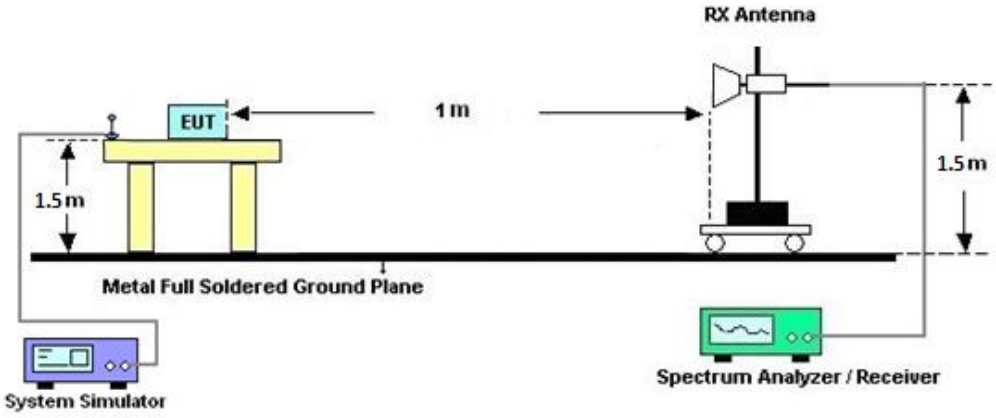
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

    For LTE Band 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Apr. 23, 2021~ May 18, 2021	Oct. 10, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 08, 2021	Apr. 23, 2021~ May 18, 2021	Feb. 07, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2020	Apr. 23, 2021~ May 18, 2021	Dec. 27, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1-18GHz	Aug. 04, 2020	Apr. 23, 2021~ May 18, 2021	Aug. 03, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Nov. 03, 2020	Apr. 23, 2021~ May 18, 2021	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Dec. 02, 2020	Apr. 23, 2021~ May 18, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 22, 2020	Apr. 23, 2021~ May 18, 2021	May 21, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Apr. 23, 2021~ May 05, 2021	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18GHz~40GHz	Jul. 31, 2020	May 06, 2021	Jul. 30, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 06, 2021	May 07, 2021~ May 18, 2021	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Apr. 23, 2021~ May 18, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz ~ 40GHz	Jun. 15, 2020	Apr. 23, 2021~ May 18, 2021	Jun. 14, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9038A	MY54130085	20MHz~8.4GHz	Nov. 02, 2020	Apr. 23, 2021~ May 18, 2021	Nov. 01, 2021	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Apr. 23, 2021~ May 02, 2021	May 03, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 05, 2021	May 03, 2021~ May 18 , 2021	Mar. 04, 2022	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 23, 2021~ May 18, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 23, 2021~ May 18, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Apr. 23, 2021~ May 18, 2021	N/A	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE ,508405/2E	30MHz~18G	Nov. 16, 2020	Apr. 23, 2021~ May 18, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Apr. 23, 2021~ May 18, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Apr. 23, 2021~ May 18, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Apr. 23, 2021~ May 18, 2021	Mar. 10, 2022	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Apr. 23, 2021~ May 18, 2021	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60ST	SN5	1.2GHz High Pass Filter	Jul. 01, 2020	Apr. 23, 2021~ May 18, 2021	Jun. 30, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 16, 2020	Apr. 23, 2021~ May 18, 2021	Sep. 15, 2021	Radiation (03CH15-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Jan. 31, 2021	Apr. 23, 2021~ May 18, 2021	Jan. 30, 2022	Radiation (03CH15-HY)
Base Station (Measure)	Anritsu	MT8821C	6262002534 1	N/A	Oct. 05, 2020	Apr. 18, 2021~ May 14, 2021	Oct. 04, 2021	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 27, 2020	Apr. 18, 2021~ May 14, 2021	Nov. 26, 2021	Conducted (TH03-HY)
Thermal Chamber	Ten Billion	TTH-D3SP	TBN-930701	N/A	Aug. 05, 2020	Apr. 18, 2021~ May 14, 2021	Aug. 04, 2021	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	GPP-2323	GES906037	0V~64V；0A~6A	Jul. 01, 2020	Apr. 18, 2021~ May 14, 2021	Jun. 30, 2021	Conducted (TH03-HY)

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.98**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.92**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

<Main>

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.99	23.98	23.94	24.84	0.3048
20	1	49		23.96	24.04	23.86		
20	1	99		23.93	23.93	23.84		
20	50	0		23.06	23.06	23.04		
20	50	24		23.13	23.10	23.05		
20	50	50		23.12	23.08	23.06		
20	100	0		23.14	23.07	23.06		
20	1	0	16-QAM	23.11	23.15	23.09	23.97	0.2495
20	1	49		23.05	23.17	23.05		
20	1	99		23.03	23.03	22.98		
20	50	0		22.05	22.08	22.06		
20	50	24		22.16	22.12	22.07		
20	50	50		22.15	22.10	22.06		
20	100	0		22.13	22.08	22.06		
20	1	0	64-QAM	22.20	22.18	22.19	23.05	0.2018
20	1	49		22.20	22.25	22.13		
20	1	99		22.13	22.15	22.02		
20	50	0		21.07	21.10	21.06		
20	50	24		21.18	21.15	21.11		
20	50	50		21.16	21.13	21.09		
20	100	0		21.14	21.10	21.08		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.93	23.99	23.90	24.83	0.3041
15	1	37		23.96	24.03	23.86		
15	1	74		23.95	23.98	23.88		
15	36	0		23.03	23.06	23.02		
15	36	20		23.17	23.10	23.03		
15	36	39		23.13	23.09	23.05		
15	75	0		23.10	23.07	23.03		
15	1	0	16-QAM	23.03	23.12	23.06	23.92	0.2466
15	1	37		23.06	23.12	23.01		
15	1	74		23.10	23.09	23.04		
15	36	0		22.03	22.06	22.02		
15	36	20		22.12	22.10	22.07		
15	36	39		22.11	22.13	22.04		
15	75	0		22.11	22.10	22.03		
15	1	0	64-QAM	22.12	22.18	22.17	23.07	0.2028
15	1	37		22.19	22.27	22.10		
15	1	74		22.19	22.16	22.13		
15	36	0		21.08	21.11	21.07		
15	36	20		21.22	21.16	21.10		
15	36	39		21.20	21.14	21.10		
15	75	0		21.12	21.11	21.05		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.93	23.93	23.87	24.79	0.3013
10	1	25		23.91	23.99	23.85		
10	1	49		23.88	23.92	23.84		
10	25	0		23.05	23.03	22.97		
10	25	12		23.10	23.07	22.99		
10	25	25		23.11	23.09	23.02		
10	50	0		23.08	23.07	23.00		
10	1	0	16-QAM	23.12	23.13	23.05	23.98	0.2500
10	1	25		23.10	23.15	22.99		
10	1	49		23.13	23.18	23.04		
10	25	0		22.06	22.06	21.98		
10	25	12		22.10	22.07	22.02		
10	25	25		22.09	22.09	22.03		
10	50	0		22.07	22.06	22.02		
10	1	0	64-QAM	22.22	22.11	22.13	23.07	0.2028
10	1	25		22.23	22.27	22.14		
10	1	49		22.18	22.17	22.12		
10	25	0		21.10	21.05	21.01		
10	25	12		21.13	21.12	21.04		
10	25	25		21.12	21.11	21.05		
10	50	0		21.13	21.08	21.05		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.90	23.96	23.81	24.81	0.3027
5	1	12		23.93	24.01	23.82		
5	1	24		23.94	24.01	23.89		
5	12	0		23.04	23.02	22.93		
5	12	7		23.12	23.09	22.99		
5	12	13		23.05	23.13	22.97		
5	25	0		23.05	22.99	22.93		
5	1	0	16-QAM	22.99	23.02	22.97	23.93	0.2472
5	1	12		23.09	23.13	22.99		
5	1	24		23.06	23.09	23.04		
5	12	0		22.01	22.01	21.96		
5	12	7		22.11	22.10	21.99		
5	12	13		22.06	22.12	21.96		
5	25	0		22.10	22.06	21.97		
5	1	0	64-QAM	22.19	22.19	22.12	23.14	0.2061
5	1	12		22.21	22.27	22.13		
5	1	24		22.26	22.34	22.17		
5	12	0		21.09	21.08	20.99		
5	12	7		21.13	21.12	21.05		
5	12	13		21.14	21.21	21.02		
5	25	0		21.07	21.03	20.99		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.98	24.00	23.85	24.83	0.3041
3	1	8		24.01	24.03	23.94		
3	1	14		24.02	24.02	23.95		
3	8	0		23.08	23.06	22.96		
3	8	4		23.11	23.17	23.01		
3	8	7		23.12	23.16	22.96		
3	15	0		23.09	23.08	23.00		
3	1	0	16-QAM	23.06	23.05	22.97	24.01	0.2518
3	1	8		23.12	23.21	23.03		
3	1	14		23.10	23.15	23.00		
3	8	0		22.10	22.07	21.99		
3	8	4		22.17	22.25	22.07		
3	8	7		22.10	22.16	22.02		
3	15	0		22.12	22.09	21.98		
3	1	0	64-QAM	22.19	22.23	22.16	23.20	0.2089
3	1	8		22.34	22.40	22.23		
3	1	14		22.31	22.34	22.19		
3	8	0		21.12	21.13	21.03		
3	8	4		21.18	21.24	21.07		
3	8	7		21.14	21.21	21.07		
3	15	0		21.15	21.11	21.05		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.90	23.96	23.81	24.82	0.3034
1.4	1	3		23.97	24.02	23.86		
1.4	1	5		23.91	24.00	23.81		
1.4	3	0		23.82	23.89	23.74		
1.4	3	1		24.00	24.01	23.82		
1.4	3	3		23.88	23.90	23.80		
1.4	6	0		23.03	23.08	22.93		
1.4	1	0	16-QAM	22.98	23.09	22.90	24.01	0.2518
1.4	1	3		23.20	23.21	22.97		
1.4	1	5		23.00	23.11	22.94		
1.4	3	0		22.86	22.93	22.75		
1.4	3	1		22.90	22.91	22.78		
1.4	3	3		22.85	22.92	22.75		
1.4	6	0		22.10	22.14	21.99		
1.4	1	0	64-QAM	22.16	22.22	22.05	23.06	0.2023
1.4	1	3		22.23	22.25	22.06		
1.4	1	5		22.12	22.22	22.05		
1.4	3	0		22.21	22.25	22.05		
1.4	3	1		22.26	22.26	22.13		
1.4	3	3		22.21	22.25	22.09		
1.4	6	0		21.03	21.07	20.92		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.04	24.07	23.95	24.87	0.3069
20	1	49		23.99	24.06	23.91		
20	1	99		23.92	24.02	23.83		
20	50	0		23.05	23.10	23.05		
20	50	24		23.14	23.17	23.08		
20	50	50		23.08	23.14	23.02		
20	100	0		23.13	23.07	23.07		
20	1	0	16-QAM	23.16	23.19	23.09	23.99	0.2506
20	1	49		23.14	23.19	23.04		
20	1	99		23.07	23.15	22.95		
20	50	0		22.06	22.10	22.08		
20	50	24		22.14	22.22	22.05		
20	50	50		22.08	22.15	22.03		
20	100	0		22.10	22.06	22.05		
20	1	0	64-QAM	22.23	22.24	22.22	23.12	0.2051
20	1	49		22.24	22.32	22.14		
20	1	99		22.16	22.28	22.03		
20	50	0		21.10	21.12	21.08		
20	50	24		21.15	21.22	21.09		
20	50	50		21.13	21.17	21.05		
20	100	0		21.13	21.09	21.07		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.00	24.03	23.94	24.86	0.3062
15	1	37		24.02	24.06	23.89		
15	1	74		24.00	24.06	23.91		
15	36	0		23.07	23.12	23.05		
15	36	20		23.14	23.20	23.05		
15	36	39		23.08	23.15	23.02		
15	75	0		23.09	23.18	23.03		
15	1	0	16-QAM	23.11	23.17	23.06	24.01	0.2518
15	1	37		23.10	23.21	23.04		
15	1	74		23.12	23.20	23.02		
15	36	0		22.08	22.12	22.07		
15	36	20		22.14	22.20	22.06		
15	36	39		22.08	22.15	21.99		
15	75	0		22.12	22.18	22.05		
15	1	0	64-QAM	22.18	22.24	22.22	23.11	0.2046
15	1	37		22.22	22.31	22.17		
15	1	74		22.22	22.28	22.12		
15	36	0		21.11	21.16	21.07		
15	36	20		21.18	21.25	21.07		
15	36	39		21.13	21.20	21.07		
15	75	0		21.12	21.19	21.05		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.00	24.04	23.89	24.86	0.3062
10	1	25		23.99	24.06	23.92		
10	1	49		23.93	24.05	23.89		
10	25	0		23.11	23.10	23.03		
10	25	12		23.14	23.21	23.09		
10	25	25		23.13	23.21	23.08		
10	50	0		23.13	23.21	23.06		
10	1	0	16-QAM	23.19	23.25	23.09	24.06	0.2547
10	1	25		23.15	23.23	23.05		
10	1	49		23.14	23.26	23.10		
10	25	0		22.13	22.11	22.02		
10	25	12		22.13	22.23	22.07		
10	25	25		22.12	22.19	22.08		
10	50	0		22.11	22.22	22.06		
10	1	0	64-QAM	22.25	22.31	22.13	23.14	0.2061
10	1	25		22.30	22.34	22.23		
10	1	49		22.24	22.31	22.20		
10	25	0		21.14	21.10	21.04		
10	25	12		21.19	21.24	21.11		
10	25	25		21.17	21.24	21.09		
10	50	0		21.17	21.25	21.09		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.99	24.03	23.93	24.86	0.3062
5	1	12		23.99	24.05	23.90		
5	1	24		24.00	24.06	23.94		
5	12	0		23.10	23.04	22.95		
5	12	7		23.16	23.23	23.05		
5	12	13		23.13	23.22	23.03		
5	25	0		23.10	23.17	23.00		
5	1	0	16-QAM	23.12	23.17	23.01	24.07	0.2553
5	1	12		23.02	23.08	22.86		
5	1	24		23.14	23.27	23.00		
5	12	0		22.09	22.06	21.96		
5	12	7		22.16	22.23	22.03		
5	12	13		22.14	22.23	22.02		
5	25	0		22.15	22.19	21.98		
5	1	0	64-QAM	22.27	22.28	22.18	23.19	0.2084
5	1	12		22.28	22.35	22.19		
5	1	24		22.31	22.39	22.20		
5	12	0		21.11	21.11	21.02		
5	12	7		21.19	21.26	21.10		
5	12	13		21.19	21.26	21.09		
5	25	0		21.09	21.18	21.02		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.99	24.02	23.86	24.86	0.3062
3	1	8		24.04	24.05	23.97		
3	1	14		24.03	24.06	23.98		
3	8	0		23.09	23.14	22.93		
3	8	4		23.11	23.18	23.01		
3	8	7		23.16	23.25	23.04		
3	15	0		23.13	23.20	23.03		
3	1	0	16-QAM	23.04	23.09	22.91	24.06	0.2547
3	1	8		23.24	23.26	23.12		
3	1	14		23.20	23.26	23.07		
3	8	0		22.05	22.16	21.95		
3	8	4		22.21	22.26	22.07		
3	8	7		22.16	22.25	22.02		
3	15	0		22.13	22.23	22.01		
3	1	0	64-QAM	22.25	22.20	22.14	23.27	0.2123
3	1	8		22.40	22.47	22.25		
3	1	14		22.36	22.40	22.22		
3	8	0		21.13	21.18	20.97		
3	8	4		21.21	21.25	21.03		
3	8	7		21.20	21.29	21.08		
3	15	0		21.17	21.22	21.02		
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.93	23.97	23.79	24.86	0.3062
1.4	1	3		23.98	24.04	23.87		
1.4	1	5		24.02	24.06	23.85		
1.4	3	0		23.85	23.94	23.76		
1.4	3	1		24.05	24.04	23.89		
1.4	3	3		23.95	24.00	23.86		
1.4	6	0		23.07	23.15	22.94		
1.4	1	0	16-QAM	23.08	23.09	22.98	24.11	0.2576
1.4	1	3		23.28	23.31	23.09		
1.4	1	5		23.17	23.20	22.98		
1.4	3	0		22.88	22.96	22.74		
1.4	3	1		22.94	23.03	22.80		
1.4	3	3		22.91	23.00	22.80		
1.4	6	0		22.12	22.19	22.00		
1.4	1	0	64-QAM	22.19	22.17	22.06	23.13	0.2056
1.4	1	3		22.24	22.33	22.10		
1.4	1	5		22.24	22.31	22.12		
1.4	3	0		22.20	22.29	22.05		
1.4	3	1		22.26	22.31	22.14		
1.4	3	3		22.25	22.33	22.17		
1.4	6	0		21.04	21.12	20.94		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.03	24.06	24.05	23.36	0.2168
20	1	49		23.89	23.92	23.87		
20	1	99		23.93	23.94	23.86		
20	50	0		23.05	23.10	23.07		
20	50	24		23.09	23.04	22.99		
20	50	50		23.02	23.03	23.01		
20	100	0		23.05	23.05	22.99		
20	1	0	16-QAM	23.16	23.23	23.16	22.53	0.1791
20	1	49		23.05	23.09	23.04		
20	1	99		23.05	23.06	23.05		
20	50	0		22.05	22.12	22.10		
20	50	24		22.09	22.07	22.01		
20	50	50		22.02	22.05	22.01		
20	100	0		22.05	22.04	21.99		
20	1	0	64-QAM	22.18	22.24	22.22	21.54	0.1426
20	1	49		22.09	22.18	22.09		
20	1	99		22.15	22.15	22.10		
20	50	0		21.07	21.13	21.10		
20	50	24		21.11	21.09	21.03		
20	50	50		21.06	21.06	21.01		
20	100	0		21.11	21.06	21.00		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.03	24.04	24.02	23.34	0.2158
15	1	37		23.91	23.95	23.91		
15	1	74		23.93	23.91	23.92		
15	36	0		23.01	23.12	23.05		
15	36	20		23.03	23.04	23.06		
15	36	39		23.02	23.05	23.01		
15	75	0		23.06	23.05	22.98		
15	1	0	16-QAM	23.20	23.22	23.15	22.52	0.1786
15	1	37		22.99	23.06	23.01		
15	1	74		23.06	23.11	23.04		
15	36	0		22.05	22.11	22.05		
15	36	20		22.07	22.04	22.06		
15	36	39		22.06	22.05	22.02		
15	75	0		22.09	22.05	22.01		
15	1	0	64-QAM	22.22	22.27	22.23	21.57	0.1435
15	1	37		22.17	22.19	22.14		
15	1	74		22.12	22.17	22.14		
15	36	0		21.07	21.17	21.08		
15	36	20		21.07	21.10	21.10		
15	36	39		21.07	21.12	21.04		
15	75	0		21.09	21.09	21.00		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.92	23.95	23.90	23.28	0.2128
10	1	25		23.91	23.98	23.93		
10	1	49		23.89	23.96	23.91		
10	25	0		23.01	23.03	22.99		
10	25	12		23.06	23.05	23.04		
10	25	25		23.08	23.15	23.12		
10	50	0		23.06	23.05	23.03		
10	1	0	16-QAM	23.11	23.22	23.13	22.52	0.1786
10	1	25		23.09	23.18	23.14		
10	1	49		23.13	23.19	23.13		
10	25	0		22.04	22.02	22.02		
10	25	12		22.07	22.05	22.06		
10	25	25		22.07	22.09	22.12		
10	50	0		22.07	22.03	22.03		
10	1	0	64-QAM	22.18	22.13	22.11	21.60	0.1445
10	1	25		22.24	22.30	22.24		
10	1	49		22.17	22.28	22.19		
10	25	0		21.06	21.06	21.05		
10	25	12		21.10	21.11	21.09		
10	25	25		21.10	21.15	21.17		
10	50	0		21.10	21.10	21.07		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.97	23.95	23.93	23.30	0.2138
5	1	12		23.94	23.99	23.91		
5	1	24		23.94	24.00	24.00		
5	12	0		22.98	22.99	23.07		
5	12	7		23.07	23.06	23.15		
5	12	13		23.03	23.10	23.09		
5	25	0		23.02	23.00	23.08		
5	1	0	16-QAM	23.03	23.01	23.05	22.45	0.1758
5	1	12		23.10	23.04	22.97		
5	1	24		23.11	23.15	23.01		
5	12	0		22.04	22.02	22.09		
5	12	7		22.11	22.04	22.16		
5	12	13		22.06	22.11	22.10		
5	25	0		22.05	22.02	22.09		
5	1	0	64-QAM	22.22	22.20	22.20	21.60	0.1445
5	1	12		22.19	22.29	22.24		
5	1	24		22.24	22.29	22.30		
5	12	0		21.10	21.08	21.16		
5	12	7		21.14	21.12	21.17		
5	12	13		21.13	21.15	21.14		
5	25	0		21.08	21.05	21.11		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	24.01	24.00	23.95	23.35	0.2163
3	1	8		24.04	24.05	24.01		
3	1	14		24.00	24.05	24.00		
3	8	0		23.06	23.01	23.08		
3	8	4		23.08	23.04	23.09		
3	8	7		23.08	23.08	23.08		
3	15	0		23.10	23.03	23.09		
3	1	0	16-QAM	23.08	23.04	23.15	22.52	0.1786
3	1	8		23.16	23.21	23.22		
3	1	14		23.11	23.08	23.12		
3	8	0		22.08	22.01	22.14		
3	8	4		22.13	22.11	22.17		
3	8	7		22.08	22.15	22.15		
3	15	0		22.12	22.05	22.13		
3	1	0	64-QAM	22.24	22.22	22.20	21.67	0.1469
3	1	8		22.32	22.37	22.34		
3	1	14		22.29	22.34	22.29		
3	8	0		21.13	21.06	21.13		
3	8	4		21.16	21.09	21.18		
3	8	7		21.11	21.19	21.13		
3	15	0		21.11	21.08	21.14		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.93	23.98	23.87	23.33	0.2153
1.4	1	3		23.98	23.99	23.92		
1.4	1	5		23.96	23.95	23.91		
1.4	3	0		23.82	23.87	23.77		
1.4	3	1		24.02	24.01	24.03		
1.4	3	3		23.90	23.93	23.84		
1.4	6	0		23.02	23.05	23.02		
1.4	1	0	16-QAM	23.08	23.10	23.00	22.53	0.1791
1.4	1	3		23.23	23.21	23.13		
1.4	1	5		23.09	23.10	23.00		
1.4	3	0		22.88	22.87	22.85		
1.4	3	1		22.87	22.93	22.83		
1.4	3	3		22.86	22.91	22.81		
1.4	6	0		22.09	22.09	22.04		
1.4	1	0	64-QAM	22.14	22.22	22.09	21.56	0.1432
1.4	1	3		22.20	22.24	22.15		
1.4	1	5		22.17	22.21	22.16		
1.4	3	0		22.18	22.25	22.13		
1.4	3	1		22.24	22.26	22.21		
1.4	3	3		22.21	22.25	22.16		
1.4	6	0		21.05	21.08	21.04		
Limit	EIRP < 1W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.00	24.33	24.21	24.20	0.2630
20	1	49		24.00	24.31	24.01		
20	1	99		24.01	24.40	24.00		
20	50	0		23.13	23.39	23.27		
20	50	24		23.21	23.48	23.25		
20	50	50		23.20	23.48	23.18		
20	100	0		23.20	23.47	23.23		
20	1	0	16-QAM	22.90	23.27	23.13	23.07	0.2028
20	1	49		22.90	23.23	22.94		
20	1	99		22.89	23.25	22.91		
20	50	0		22.14	22.43	22.28		
20	50	24		22.24	22.52	22.25		
20	50	50		22.21	22.50	22.20		
20	100	0		22.22	22.48	22.23		
20	1	0	64-QAM	21.87	22.14	22.05	21.98	0.1578
20	1	49		21.84	22.18	21.88		
20	1	99		21.82	22.16	21.77		
20	50	0		21.17	21.41	21.29		
20	50	24		21.26	21.51	21.30		
20	50	50		21.19	21.49	21.19		
20	100	0		21.22	21.49	21.25		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.01	24.32	24.09	24.19	0.2624
15	1	37		24.02	24.33	24.00		
15	1	74		24.00	24.39	24.06		
15	36	0		23.14	23.41	23.22		
15	36	20		23.20	23.49	23.18		
15	36	39		23.18	23.45	23.14		
15	75	0		23.19	23.49	23.19		
15	1	0	16-QAM	22.92	23.25	23.03	23.10	0.2042
15	1	37		22.88	23.19	22.90		
15	1	74		22.94	23.30	22.95		
15	36	0		22.09	22.37	22.18		
15	36	20		22.17	22.45	22.13		
15	36	39		22.14	22.43	22.10		
15	75	0		22.21	22.49	22.23		
15	1	0	64-QAM	21.83	22.14	21.97	22.06	0.1607
15	1	37		21.87	22.18	21.84		
15	1	74		21.84	22.26	21.86		
15	36	0		21.14	21.42	21.27		
15	36	20		21.19	21.48	21.18		
15	36	39		21.20	21.48	21.17		
15	75	0		21.21	21.49	21.22		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.10	24.37	24.09	24.19	0.2624
10	1	25		24.10	24.39	24.10		
10	1	49		24.11	24.36	24.05		
10	25	0		23.21	23.43	23.20		
10	25	12		23.23	23.53	23.22		
10	25	25		23.19	23.50	23.19		
10	50	0		23.21	23.51	23.19		
10	1	0	16-QAM	23.01	23.31	23.05	23.14	0.2061
10	1	25		22.98	23.34	23.00		
10	1	49		22.97	23.32	22.99		
10	25	0		22.25	22.45	22.22		
10	25	12		22.27	22.56	22.24		
10	25	25		22.22	22.51	22.20		
10	50	0		22.25	22.54	22.22		
10	1	0	64-QAM	22.06	22.26	22.06	22.18	0.1652
10	1	25		22.05	22.38	21.91		
10	1	49		22.01	22.30	21.93		
10	25	0		21.27	21.53	21.29		
10	25	12		21.31	21.62	21.32		
10	25	25		21.23	21.57	21.27		
10	50	0		21.22	21.54	21.22		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.08	24.29	24.02	24.18	0.2618
5	1	12		24.09	24.38	24.09		
5	1	24		24.01	24.34	23.97		
5	12	0		23.20	23.37	23.14		
5	12	7		23.24	23.50	23.18		
5	12	13		23.18	23.42	23.11		
5	25	0		23.15	23.42	23.12		
5	1	0	16-QAM	22.94	23.16	22.90	23.04	0.2014
5	1	12		22.91	23.24	22.93		
5	1	24		22.93	23.21	22.88		
5	12	0		22.17	22.37	22.14		
5	12	7		22.21	22.50	22.18		
5	12	13		22.12	22.44	22.10		
5	25	0		22.18	22.50	22.14		
5	1	0	64-QAM	22.02	22.17	21.89	22.09	0.1618
5	1	12		21.86	22.29	21.93		
5	1	24		21.98	22.29	21.86		
5	12	0		21.18	21.40	21.14		
5	12	7		21.25	21.53	21.19		
5	12	13		21.15	21.46	21.13		
5	25	0		21.22	21.50	21.20		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.95	24.00	24.06	23.41	0.2193
20	1	49		23.92	23.91	24.11		
20	1	99		23.89	23.98	24.04		
20	50	0		22.98	23.01	23.17		
20	50	24		23.06	23.10	23.16		
20	50	50		23.02	23.05	23.20		
20	100	0		22.99	23.06	23.15		
20	1	0	16-QAM	23.13	23.13	23.21	22.51	0.1782
20	1	49		23.05	23.10	23.21		
20	1	99		23.00	23.11	23.20		
20	50	0		21.99	22.04	22.20		
20	50	24		22.06	22.11	22.18		
20	50	50		22.01	22.06	22.21		
20	100	0		22.03	22.06	22.17		
20	1	0	64-QAM	22.18	22.20	22.27	21.58	0.1439
20	1	49		22.13	22.17	22.27		
20	1	99		22.10	22.25	22.28		
20	50	0		21.01	21.03	21.19		
20	50	24		21.07	21.11	21.18		
20	50	50		21.04	21.07	21.20		
20	100	0		21.06	21.08	21.14		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.90	23.95	24.10	23.40	0.2188
15	1	37		23.93	24.00	24.09		
15	1	74		23.87	23.92	24.08		
15	36	0		22.97	23.03	23.14		
15	36	20		23.04	23.10	23.17		
15	36	39		23.03	23.04	23.20		
15	75	0		23.03	23.06	23.13		
15	1	0	16-QAM	23.00	23.08	23.28	22.58	0.1811
15	1	37		22.98	23.09	23.22		
15	1	74		22.99	23.07	23.20		
15	36	0		21.98	22.01	22.15		
15	36	20		22.07	22.09	22.17		
15	36	39		22.02	22.08	22.21		
15	75	0		22.04	22.10	22.14		
15	1	0	64-QAM	22.13	22.15	22.35	21.66	0.1466
15	1	37		22.16	22.25	22.36		
15	1	74		22.09	22.18	22.30		
15	36	0		21.01	21.08	21.22		
15	36	20		21.09	21.15	21.20		
15	36	39		21.06	21.10	21.22		
15	75	0		21.05	21.09	21.16		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.95	23.91	24.10	23.40	0.2188
10	1	25		23.89	23.95	24.10		
10	1	49		23.82	23.91	24.04		
10	25	0		23.04	23.01	23.16		
10	25	12		23.06	23.11	23.16		
10	25	25		23.01	23.04	23.19		
10	50	0		23.04	23.08	23.16		
10	1	0	16-QAM	23.13	23.13	23.32	22.62	0.1828
10	1	25		23.05	23.11	23.27		
10	1	49		23.06	23.11	23.23		
10	25	0		22.06	22.01	22.15		
10	25	12		22.08	22.10	22.21		
10	25	25		22.00	22.06	22.19		
10	50	0		22.04	22.07	22.17		
10	1	0	64-QAM	22.25	22.16	22.33	21.69	0.1476
10	1	25		22.20	22.23	22.39		
10	1	49		22.12	22.19	22.34		
10	25	0		21.10	21.06	21.20		
10	25	12		21.10	21.14	21.23		
10	25	25		21.04	21.08	21.22		
10	50	0		21.07	21.11	21.22		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.95	23.95	24.10	23.40	0.2188
5	1	12		23.93	23.95	24.09		
5	1	24		23.87	23.94	24.08		
5	12	0		23.03	23.00	23.22		
5	12	7		23.07	23.11	23.30		
5	12	13		23.02	23.03	23.21		
5	25	0		23.02	23.02	23.17		
5	1	0	16-QAM	23.11	23.07	23.26	22.56	0.1803
5	1	12		23.14	23.15	23.18		
5	1	24		23.12	23.07	23.17		
5	12	0		22.08	22.02	22.25		
5	12	7		22.10	22.10	22.26		
5	12	13		22.03	22.07	22.19		
5	25	0		22.07	22.09	22.25		
5	1	0	64-QAM	22.25	22.19	22.42	21.73	0.1489
5	1	12		22.25	22.25	22.43		
5	1	24		22.18	22.22	22.42		
5	12	0		21.13	21.08	21.31		
5	12	7		21.14	21.18	21.32		
5	12	13		21.10	21.11	21.28		
5	25	0		21.07	21.08	21.23		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.97	23.97	24.09	23.40	0.2188
3	1	8		24.03	24.04	24.10		
3	1	14		23.92	24.00	24.08		
3	8	0		23.05	23.00	23.23		
3	8	4		23.07	23.10	23.23		
3	8	7		23.02	23.03	23.24		
3	15	0		23.04	23.09	23.24		
3	1	0	16-QAM	23.09	23.11	23.31	22.61	0.1824
3	1	8		23.08	23.21	23.26		
3	1	14		23.06	23.10	23.20		
3	8	0		22.07	21.97	22.26		
3	8	4		22.14	22.17	22.30		
3	8	7		22.06	22.05	22.23		
3	15	0		22.11	22.11	22.28		
3	1	0	64-QAM	22.26	22.20	22.45	21.81	0.1517
3	1	8		22.32	22.34	22.51		
3	1	14		22.22	22.27	22.46		
3	8	0		21.13	21.10	21.30		
3	8	4		21.17	21.17	21.33		
3	8	7		21.11	21.13	21.31		
3	15	0		21.12	21.13	21.29		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.95	23.93	24.08	23.40	0.2188
1.4	1	3		23.96	23.98	24.08		
1.4	1	5		23.91	23.98	24.09		
1.4	3	0		23.86	23.84	24.03		
1.4	3	1		24.10	24.04	24.07		
1.4	3	3		23.89	23.88	24.06		
1.4	6	0		23.01	23.04	23.19		
1.4	1	0	16-QAM	23.06	23.05	23.18	22.61	0.1824
1.4	1	3		23.16	23.18	23.31		
1.4	1	5		23.03	23.12	23.19		
1.4	3	0		22.91	22.91	23.02		
1.4	3	1		22.89	22.91	23.08		
1.4	3	3		22.86	22.90	23.03		
1.4	6	0		22.06	22.07	22.25		
1.4	1	0	64-QAM	22.18	22.18	22.34	21.70	0.1479
1.4	1	3		22.21	22.20	22.35		
1.4	1	5		22.16	22.16	22.30		
1.4	3	0		22.18	22.22	22.38		
1.4	3	1		22.24	22.26	22.40		
1.4	3	3		22.21	22.22	22.35		
1.4	6	0		21.04	21.03	21.17		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -8.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.86	23.98	23.99	13.53	0.0225
20	1	49		24.05	24.01	23.98		
20	1	99		24.08	24.06	24.02		
20	50	0		23.10	23.15	23.15		
20	50	24		23.21	23.17	23.12		
20	50	50		23.21	23.16	23.12		
20	100	0		23.17	23.12	23.09		
20	1	0	16-QAM	23.41	23.33	23.38	12.88	0.0194
20	1	49		23.39	23.43	23.36		
20	1	99		23.42	23.35	23.33		
20	50	0		22.08	22.14	22.17		
20	50	24		22.22	22.18	22.13		
20	50	50		22.21	22.17	22.12		
20	100	0		22.19	22.12	22.09		
20	1	0	64-QAM	21.39	22.12	22.24	11.75	0.0150
20	1	49		22.22	22.29	22.30		
20	1	99		22.29	22.21	22.21		
20	50	0		20.69	21.13	21.07		
20	50	24		21.17	21.17	21.16		
20	50	50		21.20	21.15	21.16		
20	100	0		21.15	21.11	21.12		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -8.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.95	24.00	24.03	13.48	0.0223
15	1	37		23.97	23.98	23.99		
15	1	74		23.96	23.95	23.88		
15	36	0		23.09	23.12	23.10		
15	36	20		23.13	23.16	23.09		
15	36	39		23.15	23.16	23.06		
15	75	0		23.15	23.13	23.05		
15	1	0	16-QAM	23.41	23.32	23.35	12.9	0.0195
15	1	37		23.32	23.45	23.29		
15	1	74		23.42	23.38	23.27		
15	36	0		22.13	22.12	22.12		
15	36	20		22.14	22.14	22.06		
15	36	39		22.15	22.17	22.07		
15	75	0		22.16	22.14	22.06		
15	1	0	64-QAM	21.26	22.19	21.86	11.78	0.0151
15	1	37		21.99	22.33	22.22		
15	1	74		22.32	22.29	22.10		
15	36	0		20.34	21.17	21.14		
15	36	20		20.87	21.18	21.13		
15	36	39		21.18	21.15	21.13		
15	75	0		21.00	21.15	21.08		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -8.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.88	23.97	23.97	13.42	0.0220
10	1	25		23.95	23.96	23.94		
10	1	49		23.96	23.95	23.86		
10	25	0		23.06	23.12	23.04		
10	25	12		23.13	23.21	23.06		
10	25	25		23.09	23.21	23.07		
10	50	0		23.14	23.21	23.04		
10	1	0	16-QAM	23.17	23.37	23.34	12.87	0.0194
10	1	25		23.28	23.36	23.26		
10	1	49		23.36	23.42	23.26		
10	25	0		22.07	22.13	22.05		
10	25	12		22.16	22.22	22.07		
10	25	25		22.11	22.20	22.07		
10	50	0		22.15	22.21	22.06		
10	1	0	64-QAM	21.01	22.16	22.19	11.81	0.0152
10	1	25		21.62	22.32	22.18		
10	1	49		22.22	22.36	22.15		
10	25	0		20.15	21.14	21.09		
10	25	12		20.46	21.28	21.12		
10	25	25		20.66	21.19	21.12		
10	50	0		20.43	21.14	21.10		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -8.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.63	23.98	23.97	13.43	0.0220
5	1	12		23.72	23.97	23.91		
5	1	24		23.98	23.96	23.87		
5	12	0		22.83	23.10	23.01		
5	12	7		22.83	23.16	23.00		
5	12	13		23.00	23.07	22.99		
5	25	0		22.87	23.11	22.93		
5	1	0	16-QAM	22.84	23.38	23.25	12.83	0.0192
5	1	12		22.99	23.23	23.14		
5	1	24		23.28	23.25	23.12		
5	12	0		21.90	22.13	22.05		
5	12	7		22.02	22.18	21.98		
5	12	13		22.07	22.09	21.97		
5	25	0		21.91	22.14	21.97		
5	1	0	64-QAM	20.84	22.22	22.11	11.74	0.0149
5	1	12		21.08	22.29	22.19		
5	1	24		21.44	22.25	22.02		
5	12	0		20.06	21.16	21.06		
5	12	7		20.24	21.23	21.04		
5	12	13		20.28	21.14	20.96		
5	25	0		20.06	21.14	20.96		
Limit	ERP < 3W			Result			Pass	

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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	23.80	23.67	23.63	18.05	0.0638
10	1	25		23.67	23.66	23.62		
10	1	49		23.66	23.54	23.55		
10	25	0		22.77	22.78	22.76		
10	25	12		22.87	22.79	22.75		
10	25	25		22.81	22.78	22.74		
10	50	0		22.85	22.78	22.72		
10	1	0	16-QAM	23.10	23.03	23.05	17.35	0.0543
10	1	25		23.01	23.07	23.00		
10	1	49		23.08	23.03	22.90		
10	25	0		21.75	21.79	21.72		
10	25	12		21.84	21.80	21.74		
10	25	25		21.83	21.79	21.76		
10	50	0		21.83	21.76	21.74		
10	1	0	64-QAM	21.93	21.87	21.88	16.2	0.0417
10	1	25		21.94	21.93	21.91		
10	1	49		21.95	21.40	21.75		
10	25	0		20.79	20.82	20.79		
10	25	12		20.89	20.83	20.78		
10	25	25		20.86	20.85	20.78		
10	50	0		20.89	20.81	20.77		
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	23.79	23.76	23.66	18.04	0.0637
5	1	12		23.62	23.62	23.53		
5	1	24		23.60	23.58	23.50		
5	12	0		22.84	22.79	22.69		
5	12	7		22.79	22.75	22.66		
5	12	13		22.77	22.75	22.65		
5	25	0		22.78	22.71	22.61		
5	1	0	16-QAM	23.04	23.06	22.90	17.31	0.0538
5	1	12		23.00	22.91	22.84		
5	1	24		22.94	22.98	22.86		
5	12	0		21.84	21.78	21.68		
5	12	7		21.82	21.77	21.65		
5	12	13		21.75	21.76	21.64		
5	25	0		21.81	21.76	21.65		
5	1	0	64-QAM	22.07	22.02	21.89	16.32	0.0429
5	1	12		21.94	21.98	21.78		
5	1	24		21.94	21.83	21.51		
5	12	0		20.86	20.85	20.74		
5	12	7		20.89	20.82	20.71		
5	12	13		20.82	20.81	20.70		
5	25	0		20.82	20.74	20.63		
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	23.74	23.71	23.63	17.99	0.0630
3	1	8		23.73	23.69	23.59		
3	1	14		23.62	23.61	23.50		
3	8	0		22.81	22.73	22.38		
3	8	4		22.81	22.71	22.67		
3	8	7		22.74	22.75	22.62		
3	15	0		22.78	22.71	22.66		
3	1	0	16-QAM	23.04	22.96	22.89	17.29	0.0536
3	1	8		22.95	22.98	22.84		
3	1	14		22.84	22.98	22.80		
3	8	0		21.80	21.75	21.70		
3	8	4		21.87	21.79	21.74		
3	8	7		21.76	21.77	21.63		
3	15	0		21.80	21.76	21.69		
3	1	0	64-QAM	21.93	21.86	21.80	16.24	0.0421
3	1	8		21.99	21.99	21.84		
3	1	14		21.90	21.86	21.58		
3	8	0		20.87	20.81	20.65		
3	8	4		20.87	20.81	20.73		
3	8	7		20.80	20.80	20.70		
3	15	0		20.82	20.75	20.71		
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	23.62	23.59	23.52	17.93	0.0621
1.4	1	3		23.63	23.64	23.57		
1.4	1	5		23.57	23.58	23.45		
1.4	3	0		23.54	23.51	23.28		
1.4	3	1		23.68	23.64	23.57		
1.4	3	3		23.58	23.54	23.38		
1.4	6	0		22.74	22.63	22.59		
1.4	1	0	16-QAM	22.93	22.90	22.82	17.3	0.0537
1.4	1	3		23.03	23.05	22.96		
1.4	1	5		22.92	22.90	22.86		
1.4	3	0		22.75	22.73	22.65		
1.4	3	1		22.77	22.76	22.63		
1.4	3	3		22.72	22.74	22.57		
1.4	6	0		21.76	21.71	21.63		
1.4	1	0	64-QAM	21.90	21.83	21.64	16.18	0.0415
1.4	1	3		21.85	21.86	21.65		
1.4	1	5		21.81	21.86	21.66		
1.4	3	0		21.90	21.84	21.77		
1.4	3	1		21.93	21.85	21.82		
1.4	3	3		21.86	21.88	21.75		
1.4	6	0		20.73	20.66	20.62		
Limit	ERP < 7W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.34	-	17.39	0.0548
10	1	25			23.44			
10	1	49			23.33			
10	25	0			22.46			
10	25	12			22.51			
10	25	25			22.55			
10	50	0			22.51			
10	1	0	16-QAM		22.70		16.69	0.0467
10	1	25			22.72			
10	1	49			22.74			
10	25	0			21.54			
10	25	12			21.51			
10	25	25			21.54			
10	50	0			21.50			
10	1	0	64-QAM		21.18		15.62	0.0365
10	1	25			21.67			
10	1	49			21.59			
10	25	0			20.53			
10	25	12			20.54			
10	25	25			20.57			
10	50	0			20.54			
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.42	23.40	23.43	17.38	0.0547
5	1	12		23.38	23.39	23.40		
5	1	24		23.35	23.39	23.40		
5	12	0		22.44	22.45	22.49		
5	12	7		22.51	22.53	22.53		
5	12	13		22.48	22.48	22.50		
5	25	0		22.45	22.42	22.53		
5	1	0	16-QAM	22.65	22.67	22.70	16.65	0.0462
5	1	12		22.64	22.68	22.63		
5	1	24		22.64	22.63	22.70		
5	12	0		21.44	21.48	21.47		
5	12	7		21.52	21.53	21.55		
5	12	13		21.50	21.48	21.50		
5	25	0		21.57	21.45	21.53		
5	1	0	64-QAM	21.18	21.67	21.60	15.66	0.0368
5	1	12		21.66	21.69	21.71		
5	1	24		21.63	21.70	21.68		
5	12	0		20.09	20.54	20.53		
5	12	7		20.57	20.58	20.61		
5	12	13		20.55	20.57	20.59		
5	25	0		20.51	20.48	20.55		
Limit	ERP < 3W			Result			Pass	

LTE Band 5

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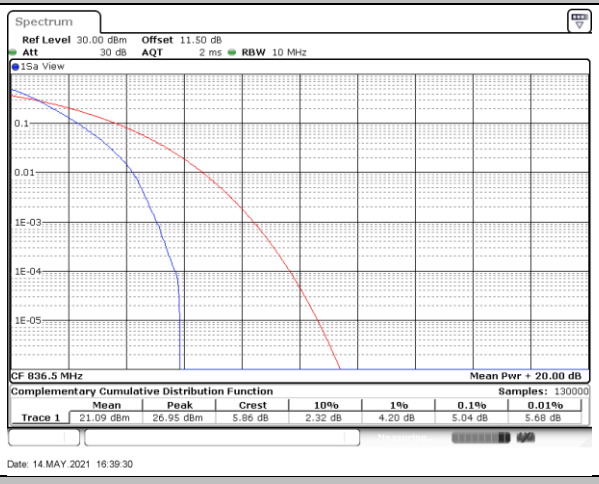
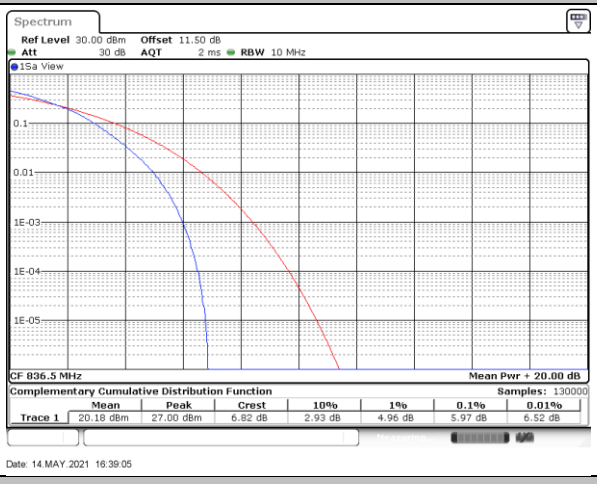
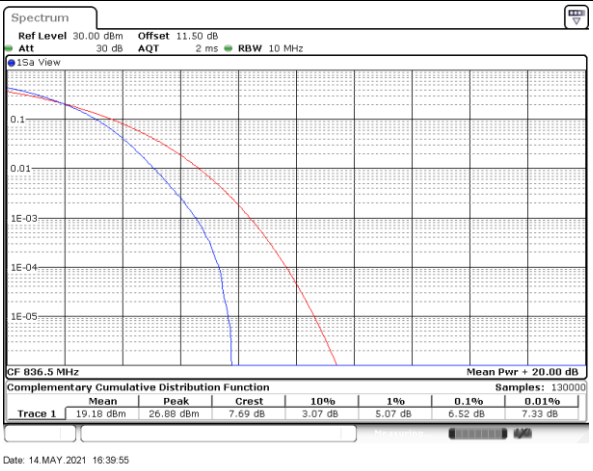
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.97	6.52	-	PASS

LTE Band 5 / 10MHz / QPSK	LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

LTE Band 5 / 10MHz / 64QAM
Middle Channel / Full RB

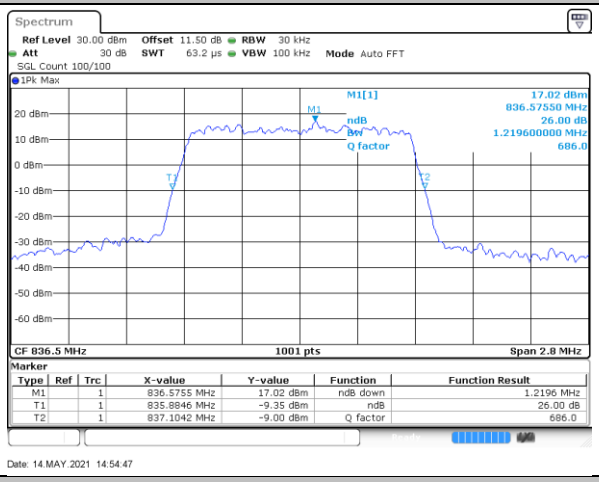


26dB Bandwidth

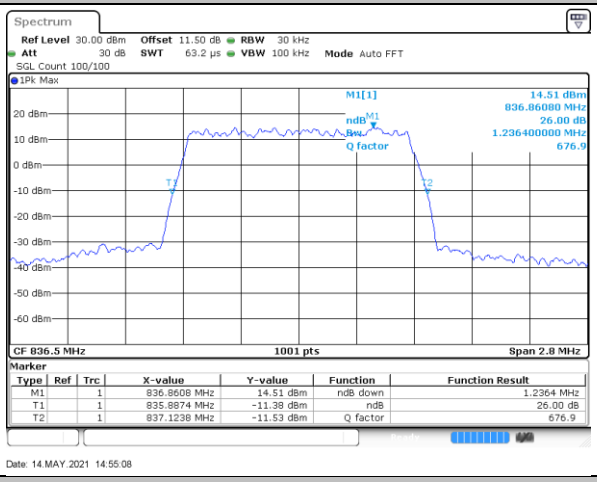
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.22	1.24	3.03	2.99	4.92	4.96	9.75	9.79	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.23	-	3.02	-	4.91	-	9.85	-	-	-	-	-

LTE Band 5

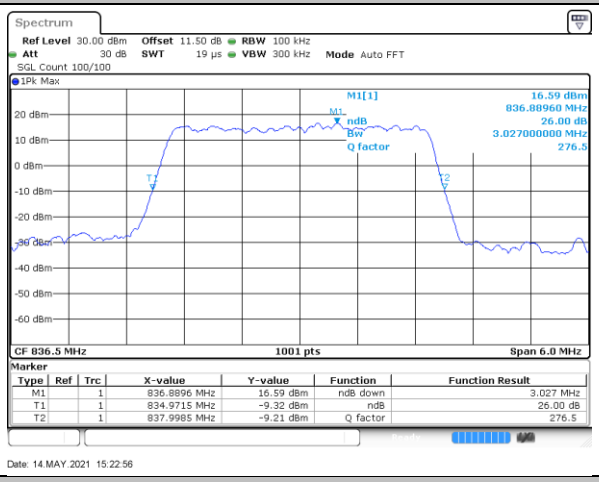
Middle Channel / 1.4MHz / QPSK



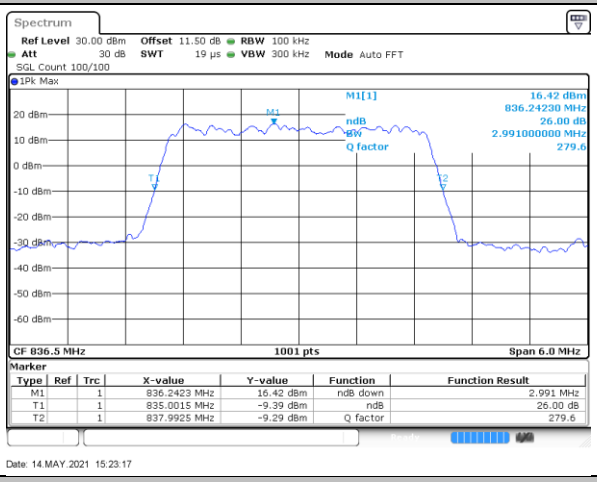
Middle Channel / 1.4MHz / 16QAM



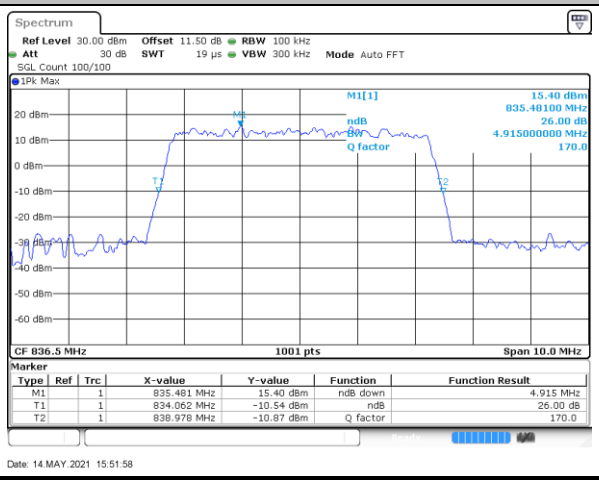
Middle Channel / 3MHz / QPSK



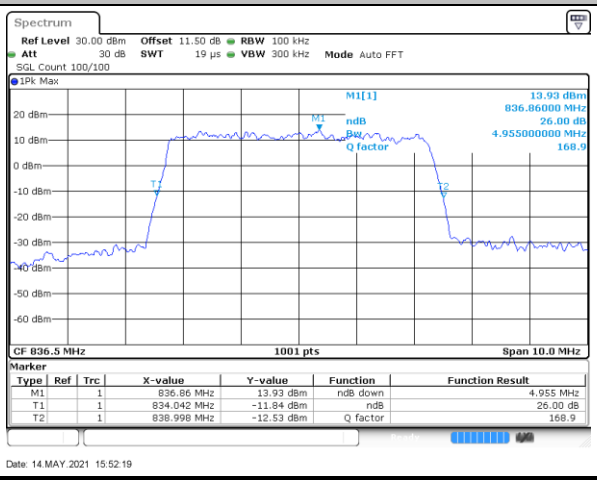
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

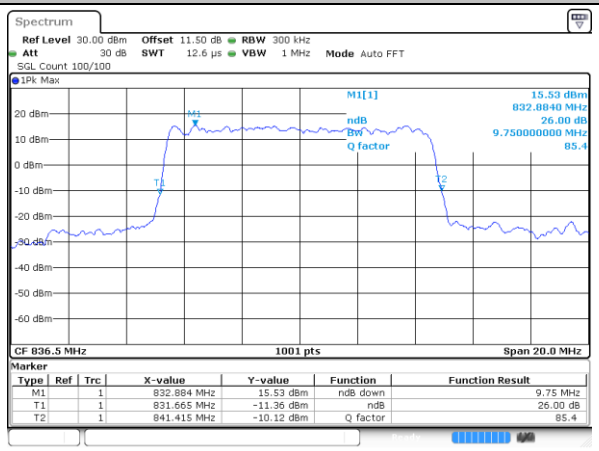


Middle Channel / 5MHz / 16QAM

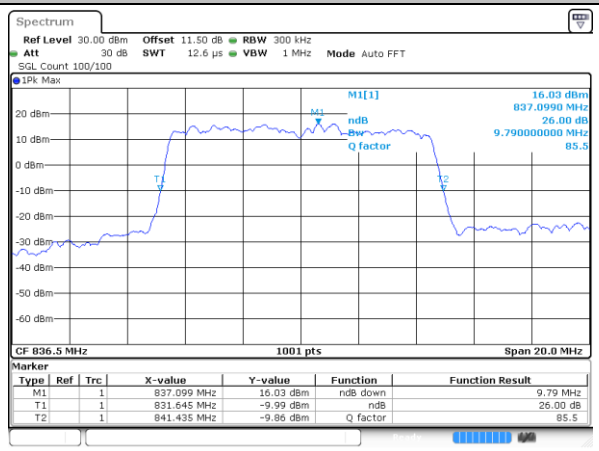


LTE Band 5

Middle Channel / 10MHz / QPSK

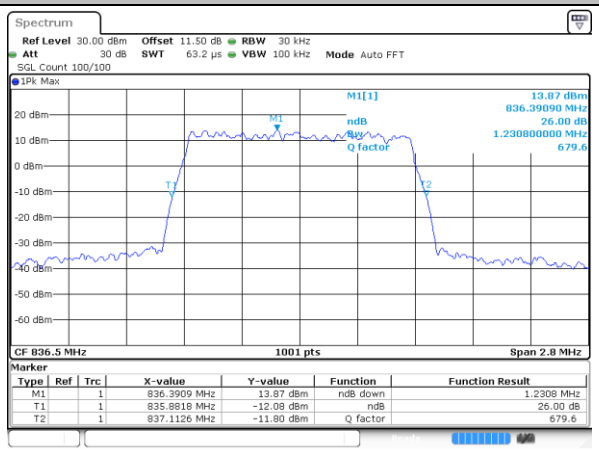


Middle Channel / 10MHz / 16QAM

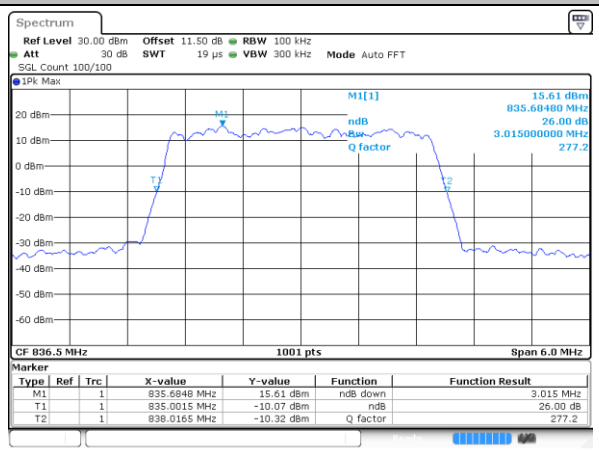


LTE Band 5

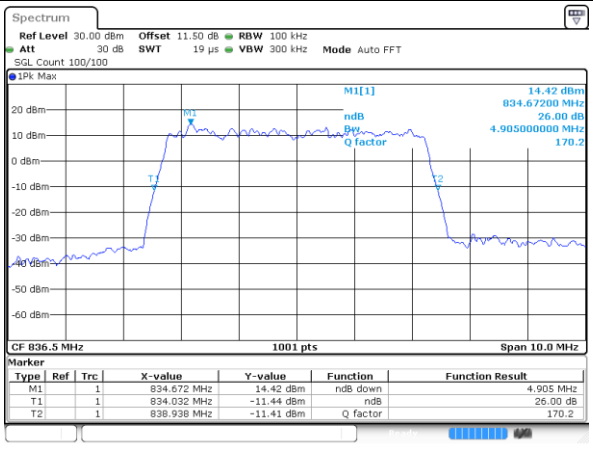
Middle Channel / 1.4MHz / 64QAM



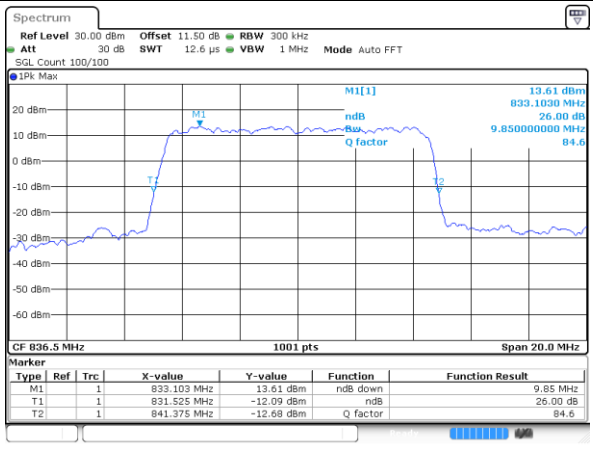
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

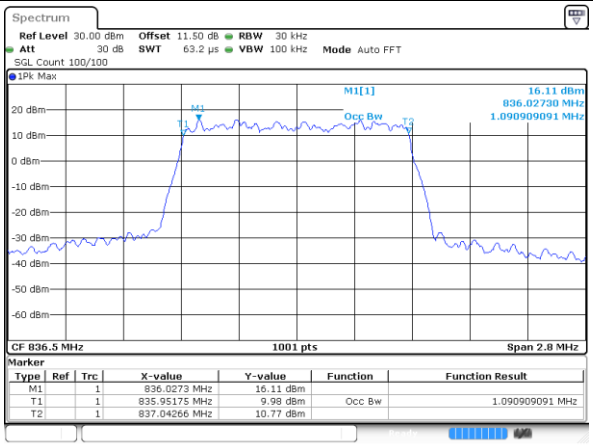


Occupied Bandwidth

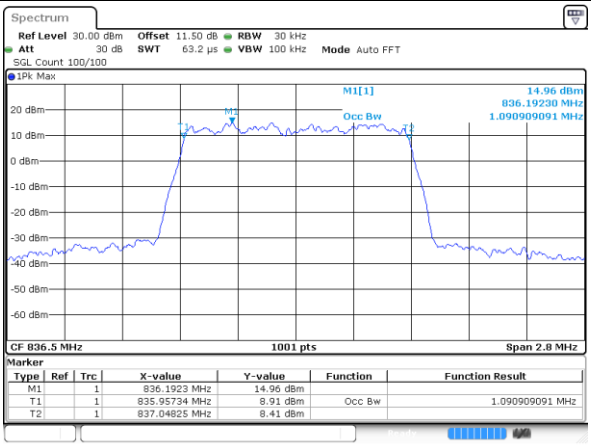
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.72	2.71	4.50	4.48	8.99	8.95	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	-	2.76	-	4.49	-	8.99	-	-	-	-	-

LTE Band 5

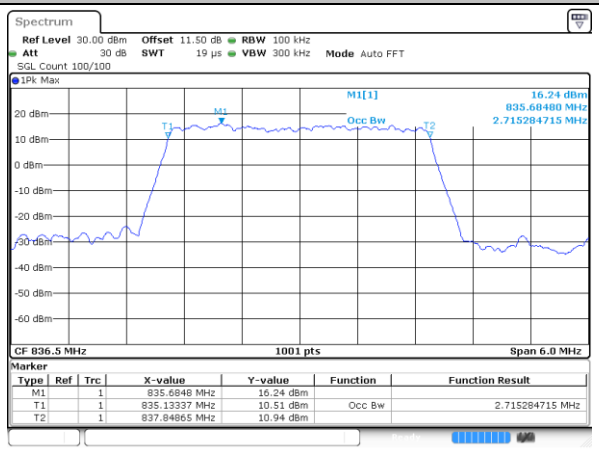
Middle Channel / 1.4MHz / QPSK



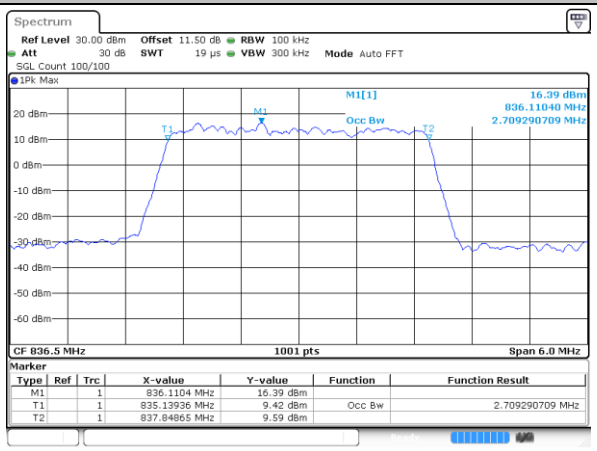
Middle Channel / 1.4MHz / 16QAM



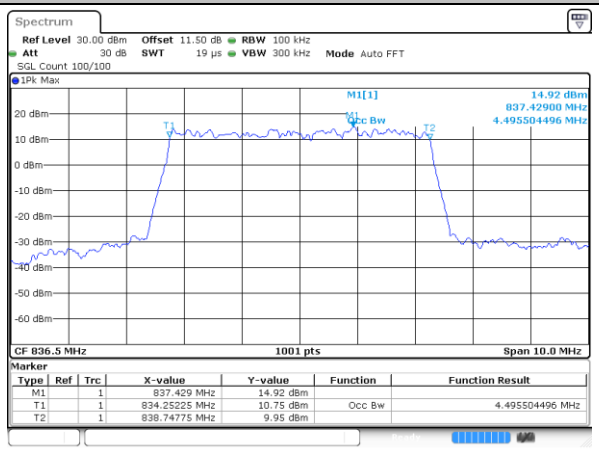
Middle Channel / 3MHz / QPSK



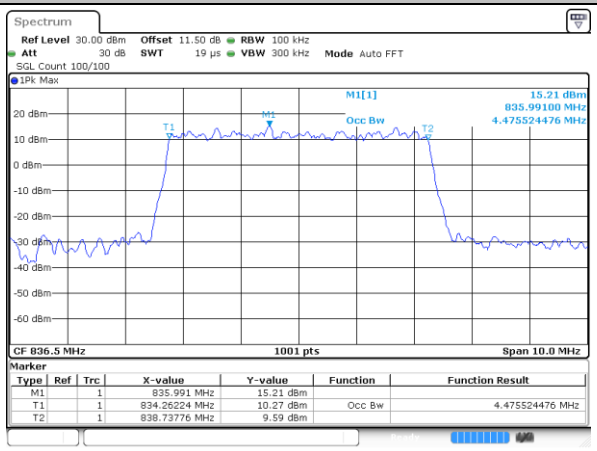
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

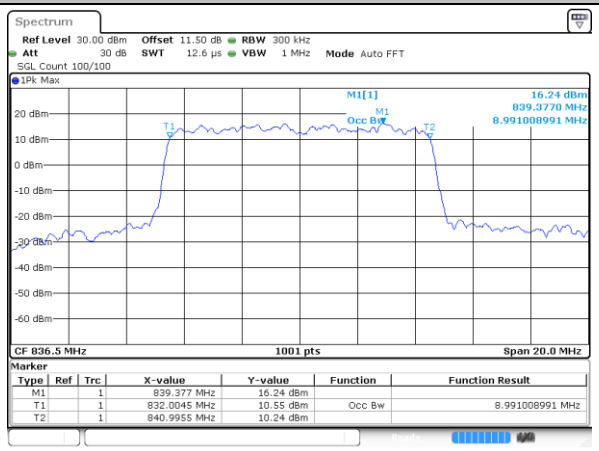


Middle Channel / 5MHz / 16QAM

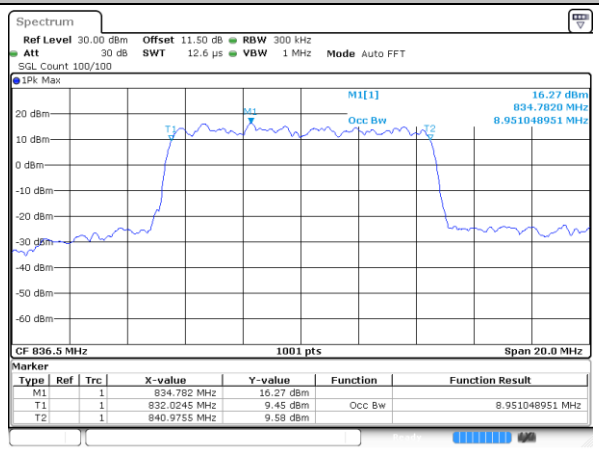


LTE Band 5

Middle Channel / 10MHz / QPSK

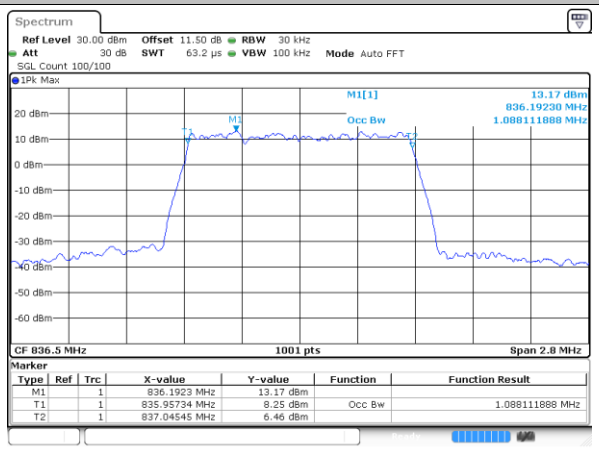


Middle Channel / 10MHz / 16QAM

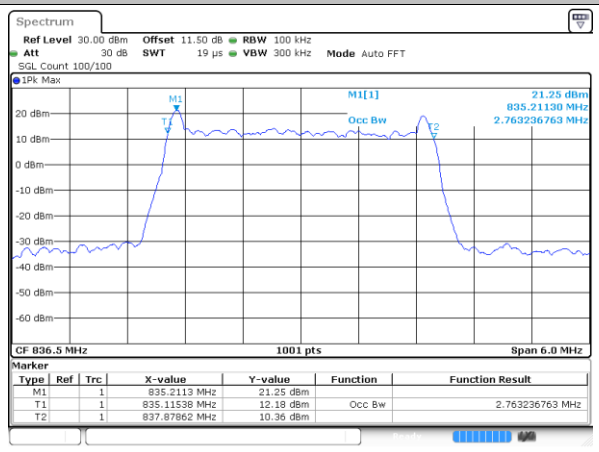


LTE Band 5

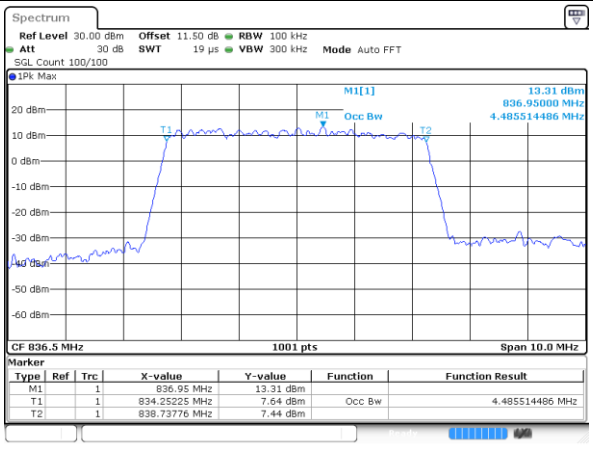
Middle Channel / 1.4MHz / 64QAM



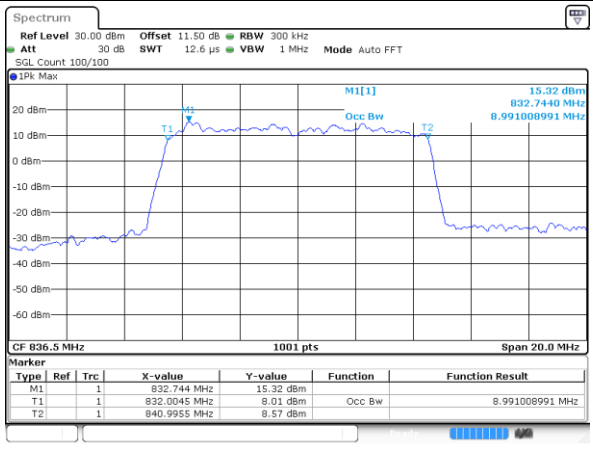
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



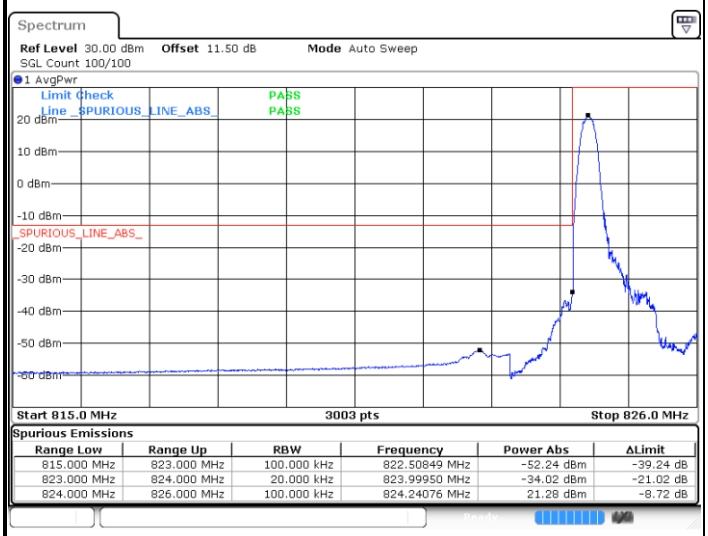
Middle Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

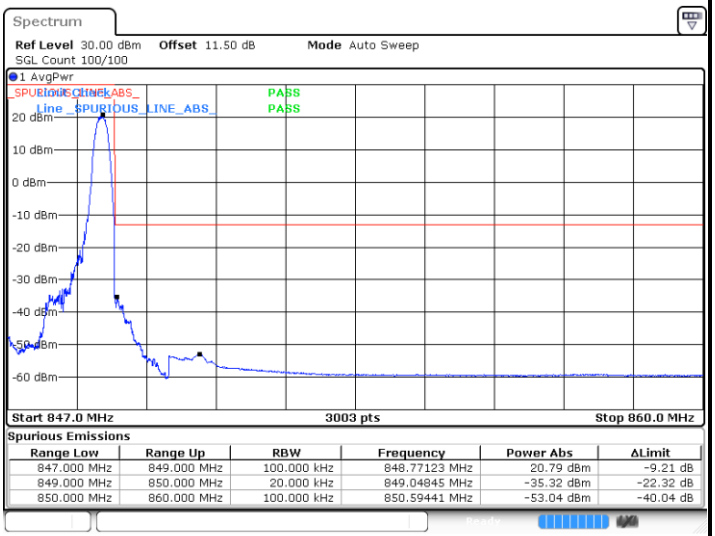


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.50849 MHz	-52.24 dBm	-39.24 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.02 dBm	-21.02 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24076 MHz	21.28 dBm	-8.72 dB

Date: 14.MAY.2021 14:46:52

Highest Band Edge / 1RB

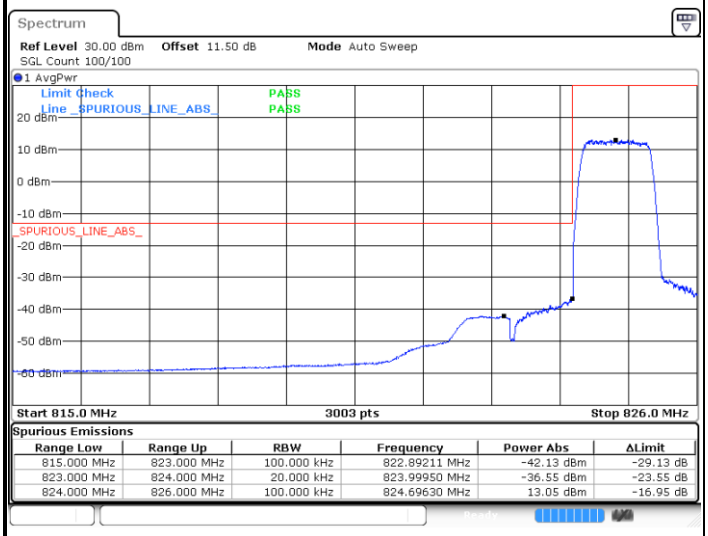


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77123 MHz	20.79 dBm	-9.21 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.04845 MHz	-35.32 dBm	-22.32 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.59441 MHz	-53.04 dBm	-40.04 dB

Date: 14.MAY.2021 15:01:54

Lowest Band Edge / Full RB

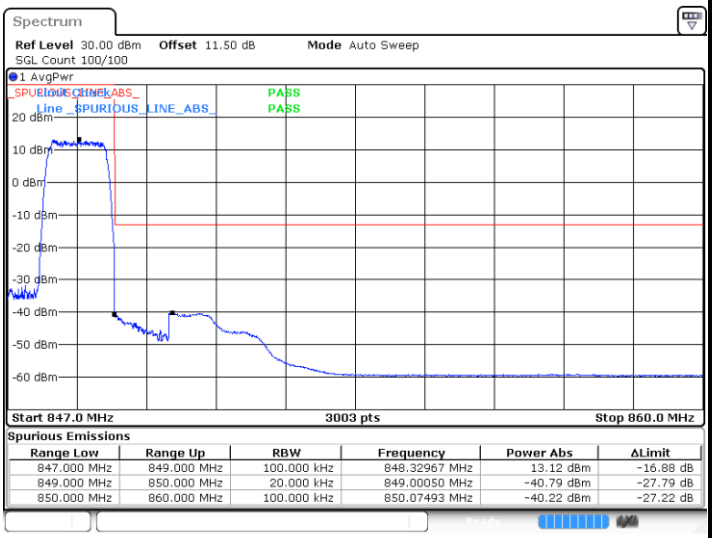


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.89211 MHz	-42.13 dBm	-29.13 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-36.55 dBm	-23.55 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.69630 MHz	13.05 dBm	-16.95 dB

Date: 14.MAY.2021 14:50:35

Highest Band Edge / Full RB



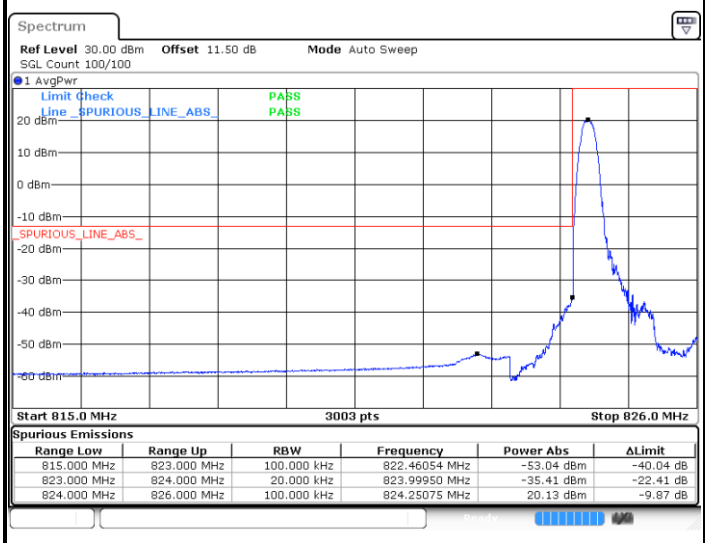
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.32967 MHz	13.12 dBm	-16.88 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-40.79 dBm	-27.79 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.07493 MHz	-40.22 dBm	-27.22 dB

Date: 14.MAY.2021 14:58:10

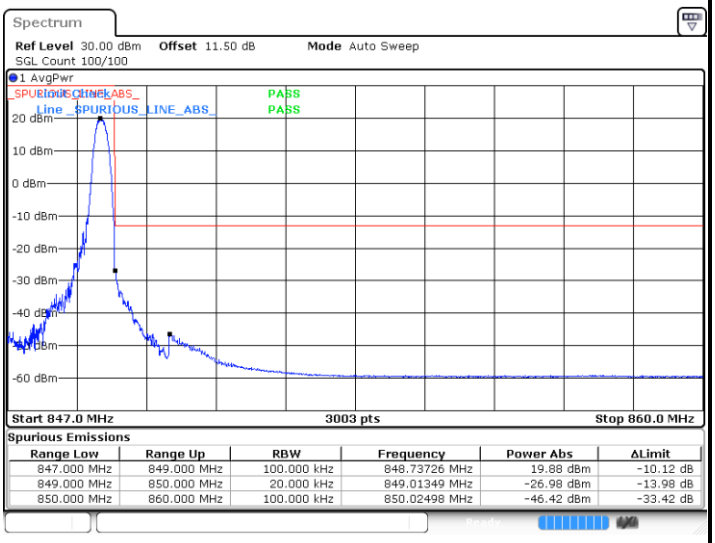
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



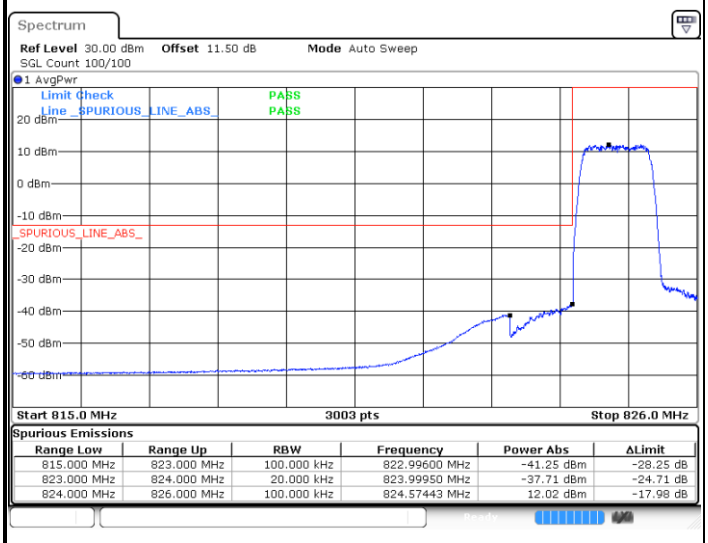
Date: 14.MAY.2021 14:48:43

Highest Band Edge / 1 RB



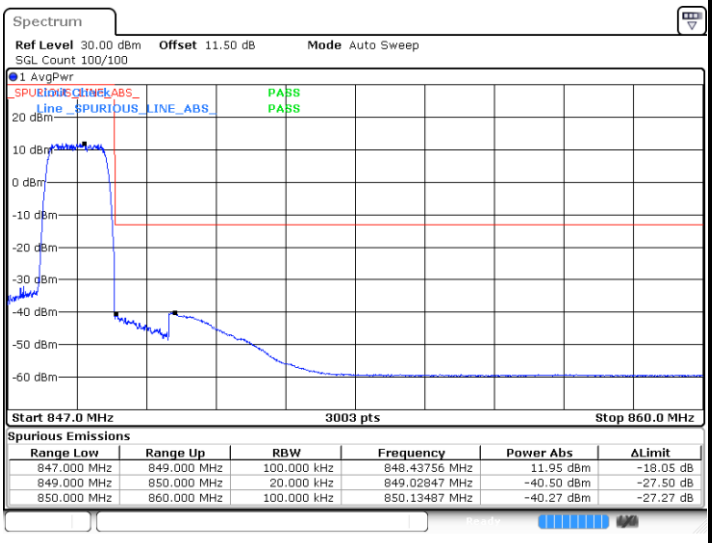
Date: 14.MAY.2021 15:03:47

Lowest Band Edge / Full RB



Date: 14.MAY.2021 14:52:27

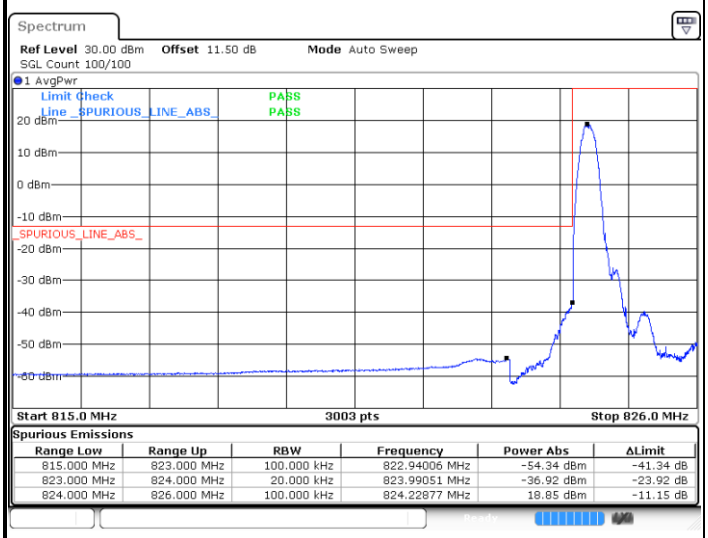
Highest Band Edge / Full RB



Date: 14.MAY.2021 15:00:02

LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

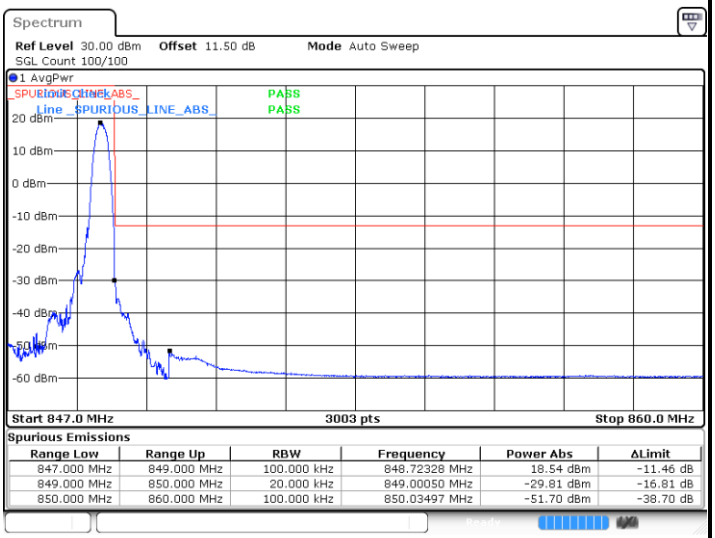


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94006 MHz	-54.34 dBm	-41.34 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99051 MHz	-36.92 dBm	-23.92 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22877 MHz	18.85 dBm	-11.15 dB

Date: 14.MAY.2021 15:06:50

Highest Band Edge / 1 RB

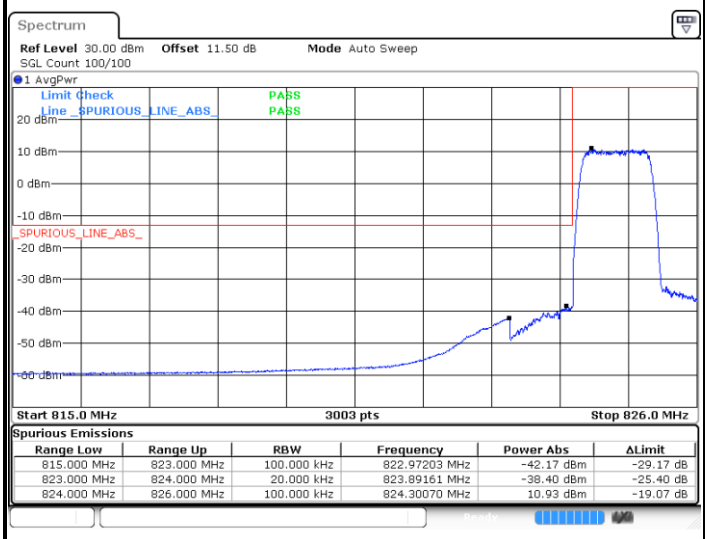


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.72328 MHz	18.54 dBm	-11.46 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-29.81 dBm	-16.81 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-51.70 dBm	-38.70 dB

Date: 14.MAY.2021 15:13:09

Lowest Band Edge / Full RB

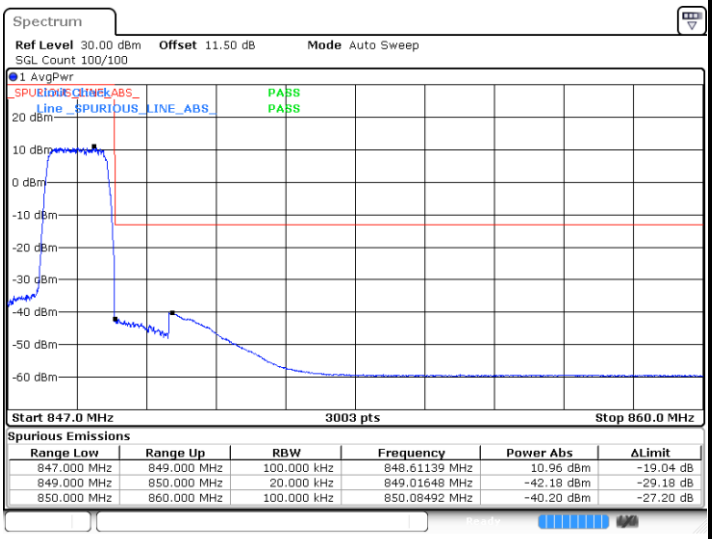


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-42.17 dBm	-29.17 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.89161 MHz	-38.40 dBm	-25.40 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.30070 MHz	10.93 dBm	-19.07 dB

Date: 14.MAY.2021 15:08:42

Highest Band Edge / Full RB



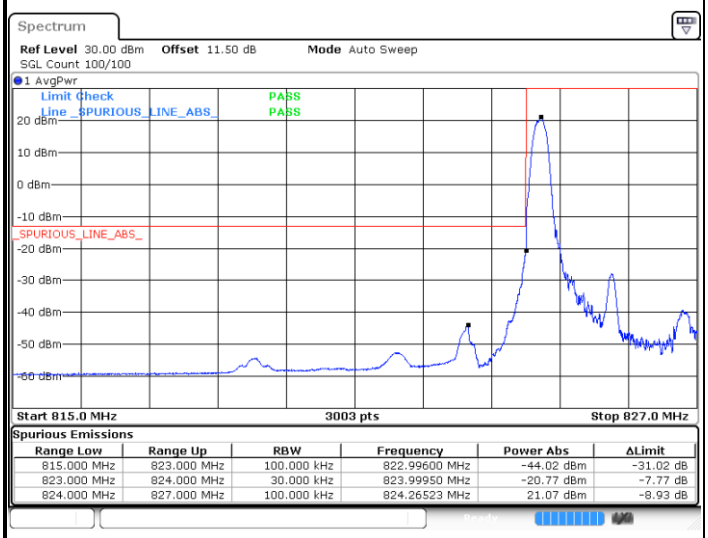
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.61139 MHz	10.96 dBm	-19.04 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.01648 MHz	-42.18 dBm	-29.18 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.08492 MHz	-40.20 dBm	-27.20 dB

Date: 14.MAY.2021 15:11:17

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

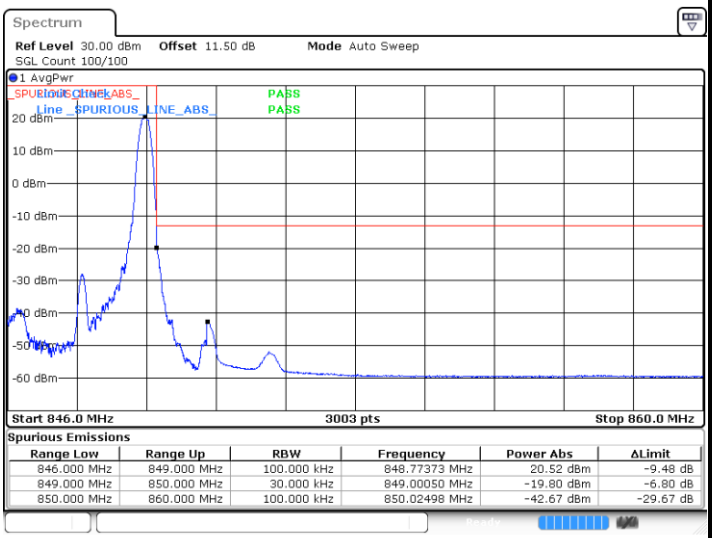


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-44.02 dBm	-31.02 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-20.77 dBm	-7.77 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.26523 MHz	21.07 dBm	-8.93 dB

Date: 14.MAY.2021 15:15:01

Highest Band Edge / 1 RB

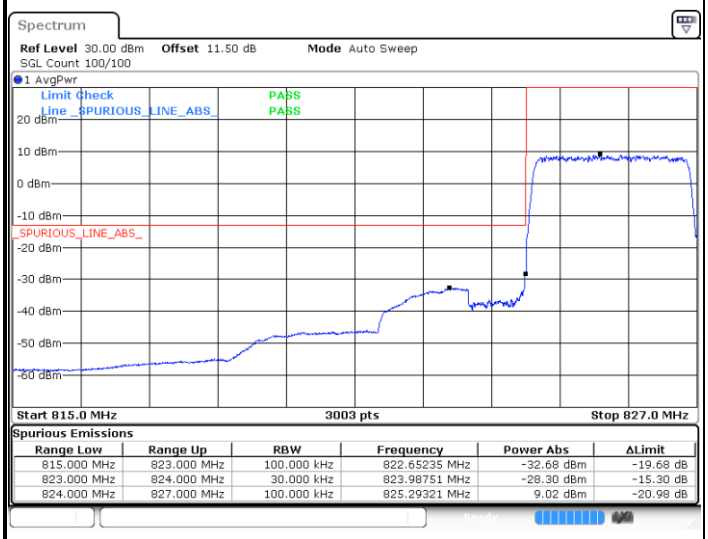


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.77373 MHz	20.52 dBm	-9.48 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-19.80 dBm	-6.80 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-42.67 dBm	-29.67 dB

Date: 14.MAY.2021 15:26:19

Lowest Band Edge / Full RB

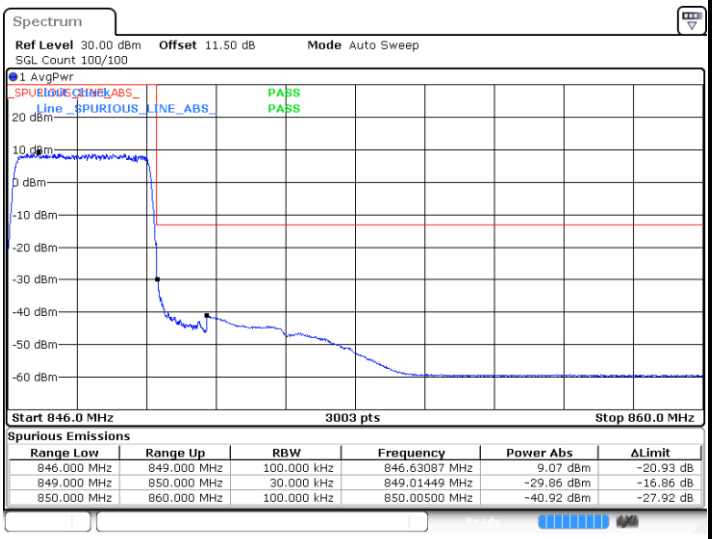


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.65235 MHz	-32.68 dBm	-19.68 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.98751 MHz	-28.30 dBm	-15.30 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.29321 MHz	9.02 dBm	-20.98 dB

Date: 14.MAY.2021 15:18:45

Highest Band Edge / Full RB



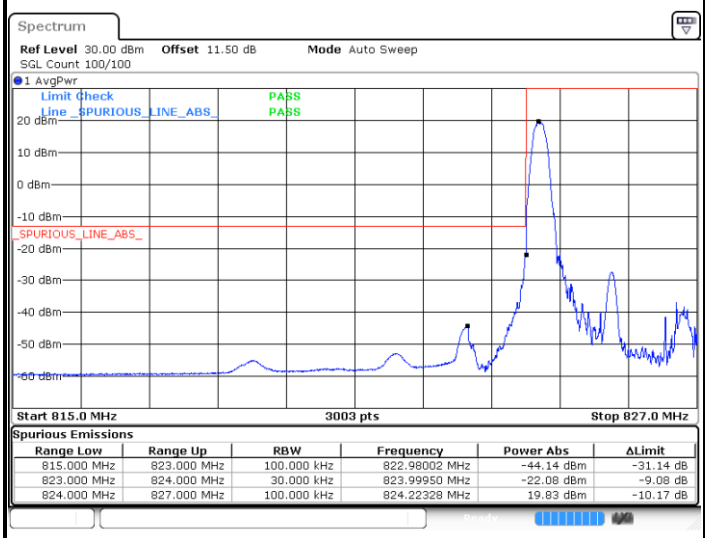
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.63087 MHz	9.07 dBm	-20.93 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01449 MHz	-29.86 dBm	-16.86 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-40.92 dBm	-27.92 dB

Date: 14.MAY.2021 15:30:03

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

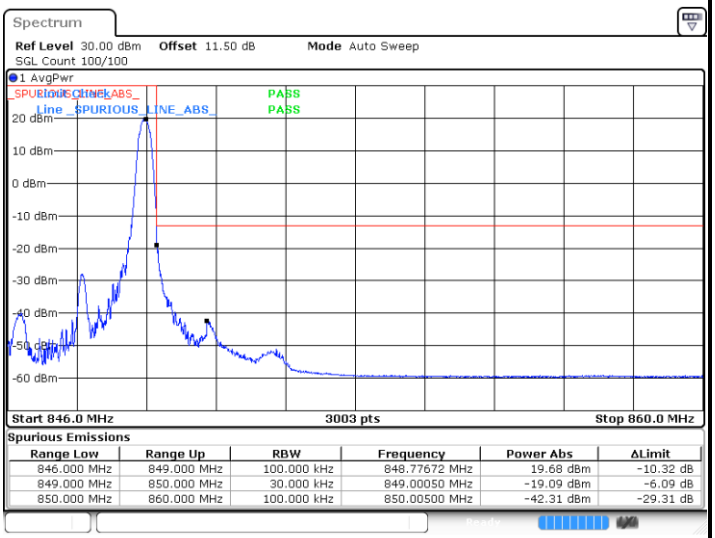


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-44.14 dBm	-31.14 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-22.08 dBm	-9.08 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22328 MHz	19.83 dBm	-10.17 dB

Date: 14.MAY.2021 15:16:53

Highest Band Edge /1 RB

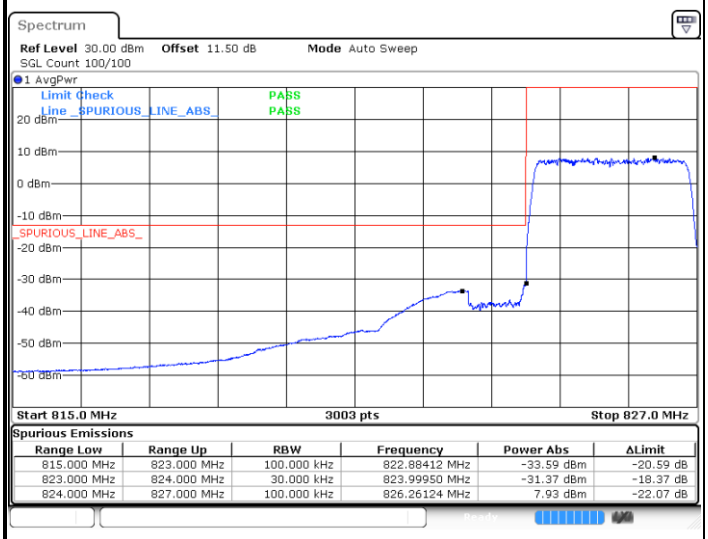


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.77672 MHz	19.68 dBm	-10.32 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-19.09 dBm	-6.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-42.31 dBm	-29.31 dB

Date: 14.MAY.2021 15:28:11

Lowest Band Edge / Full RB

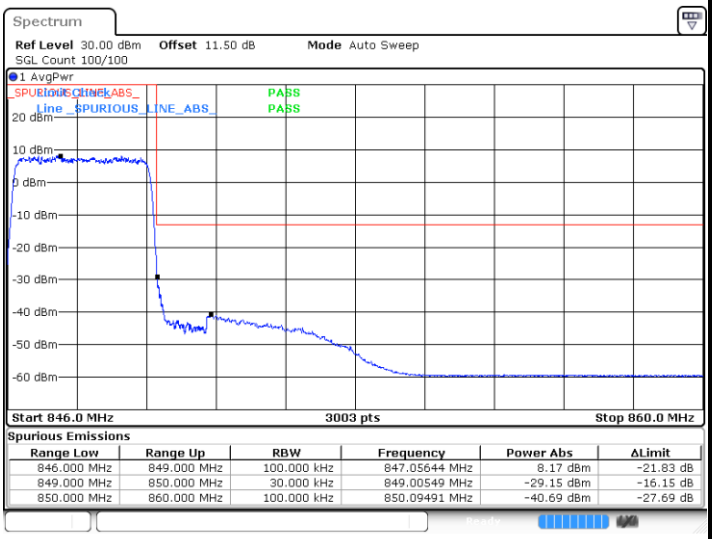


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.88412 MHz	-33.59 dBm	-20.59 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-31.37 dBm	-18.37 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.26124 MHz	7.93 dBm	-22.07 dB

Date: 14.MAY.2021 15:20:37

Highest Band Edge / Full RB



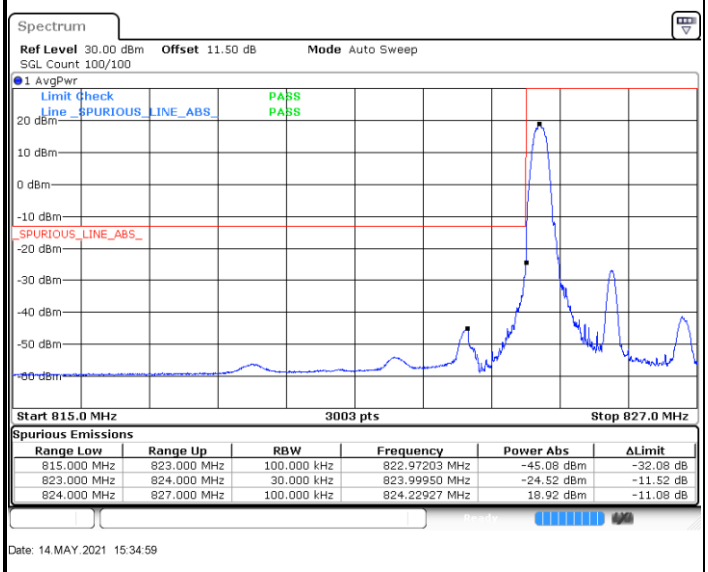
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.05644 MHz	8.17 dBm	-21.83 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00549 MHz	-29.15 dBm	-16.15 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.09491 MHz	-40.69 dBm	-27.69 dB

Date: 14.MAY.2021 15:31:55

LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

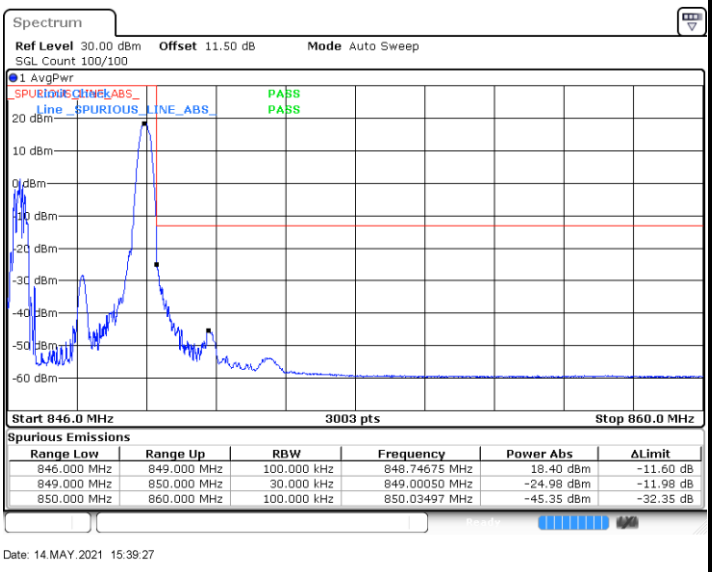


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-45.08 dBm	-32.08 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-24.52 dBm	-11.52 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22927 MHz	18.92 dBm	-11.08 dB

Date: 14.MAY.2021 15:34:59

Highest Band Edge /1 RB

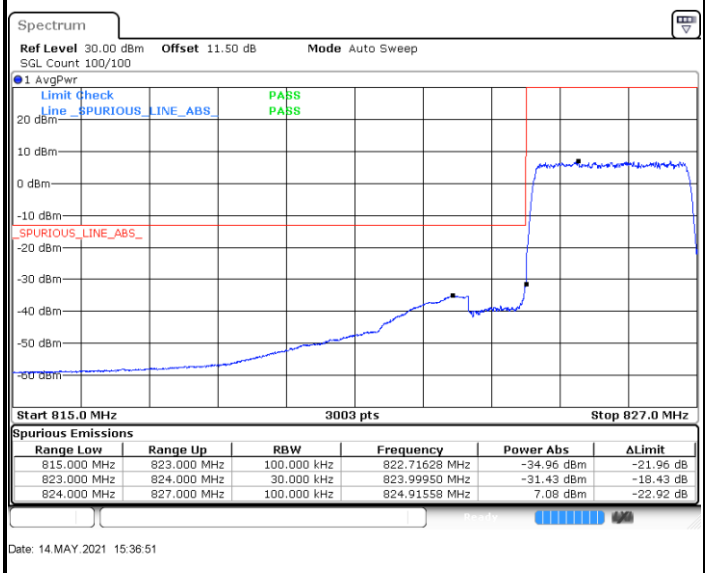


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.74675 MHz	18.40 dBm	-11.60 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-24.98 dBm	-11.98 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-45.35 dBm	-32.35 dB

Date: 14.MAY.2021 15:39:27

Lowest Band Edge / Full RB

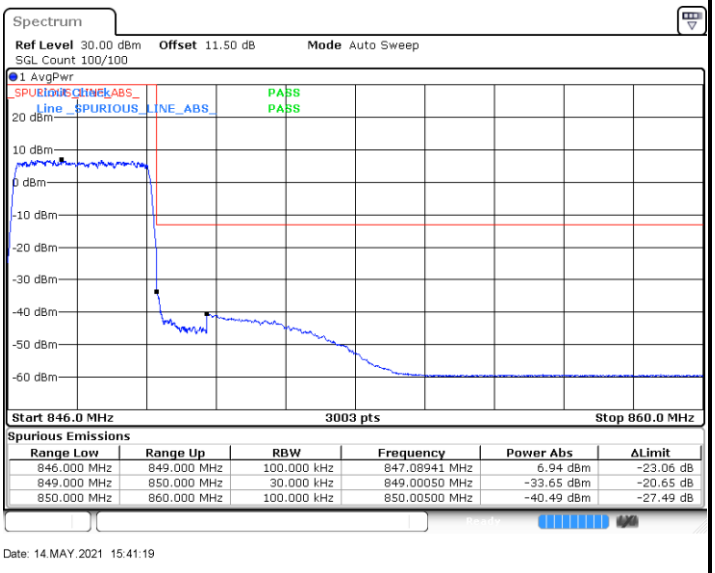


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.71628 MHz	-34.96 dBm	-21.96 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-31.43 dBm	-18.43 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.91558 MHz	7.08 dBm	-22.92 dB

Date: 14.MAY.2021 15:36:51

Highest Band Edge / Full RB



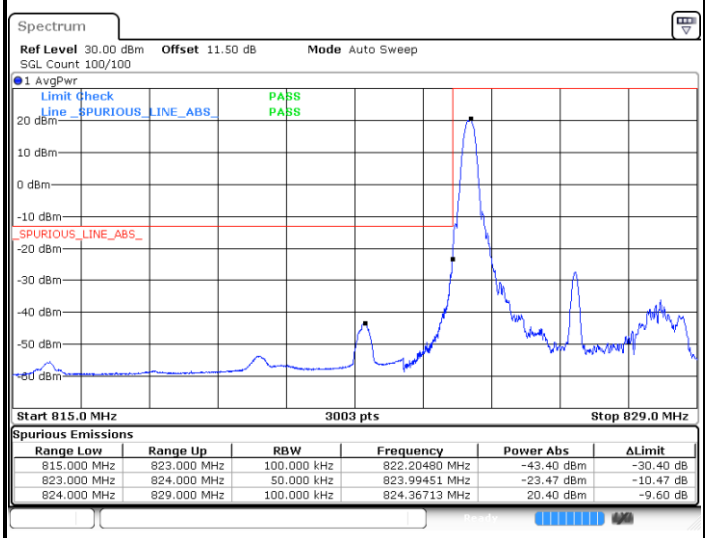
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.08941 MHz	6.94 dBm	-23.06 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-33.65 dBm	-20.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-40.49 dBm	-27.49 dB

Date: 14.MAY.2021 15:41:19

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

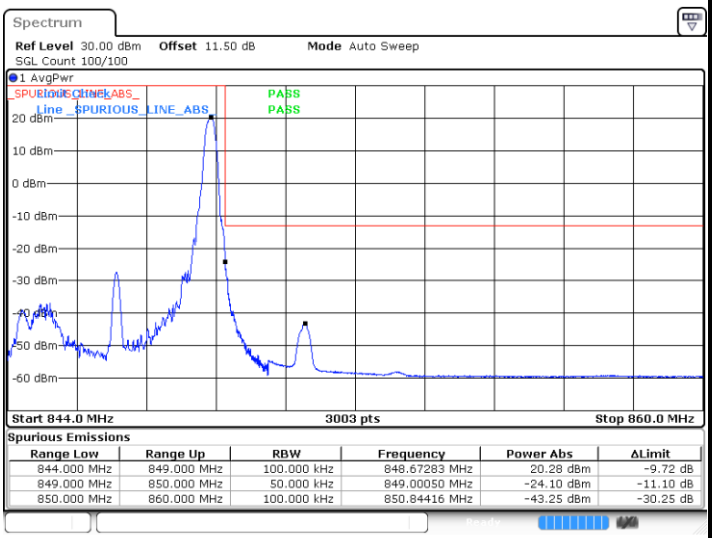


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.20480 MHz	-43.40 dBm	-30.40 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99451 MHz	-23.47 dBm	-10.47 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.36713 MHz	20.40 dBm	-9.60 dB

Date: 14.MAY.2021 15:43:12

Highest Band Edge / 1 RB

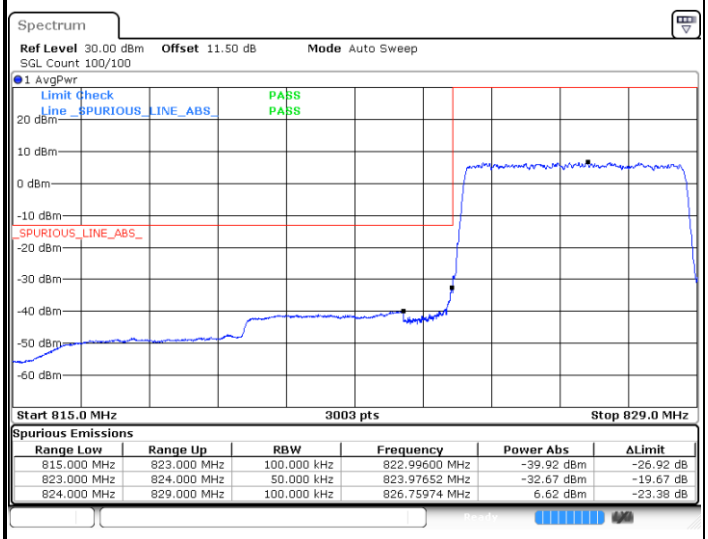


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67283 MHz	20.28 dBm	-9.72 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-24.10 dBm	-11.10 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.84416 MHz	-43.25 dBm	-30.25 dB

Date: 14.MAY.2021 15:55:21

Lowest Band Edge / Full RB

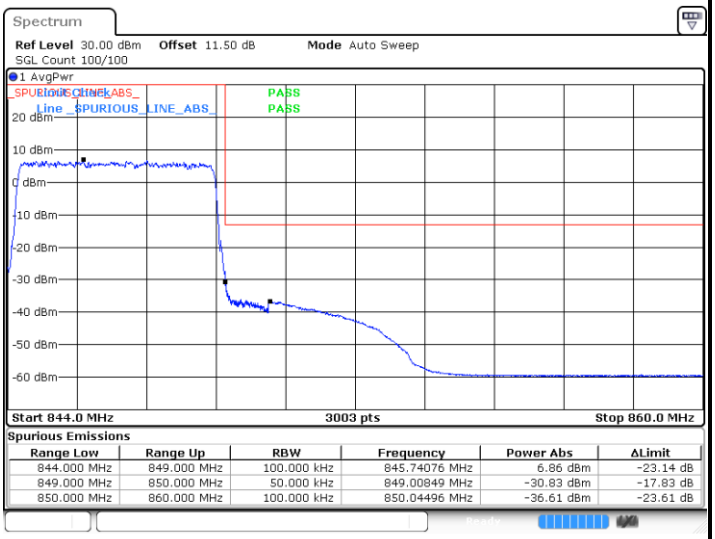


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-39.92 dBm	-26.92 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.97652 MHz	-32.67 dBm	-19.67 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.75974 MHz	6.62 dBm	-23.38 dB

Date: 14.MAY.2021 15:47:47

Highest Band Edge / Full RB



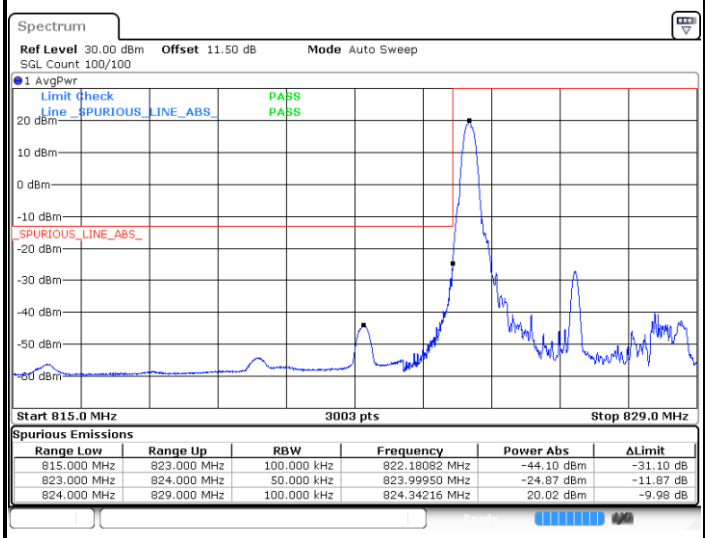
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.74076 MHz	6.86 dBm	-23.14 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00849 MHz	-30.83 dBm	-17.83 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-36.61 dBm	-23.61 dB

Date: 14.MAY.2021 15:59:05

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

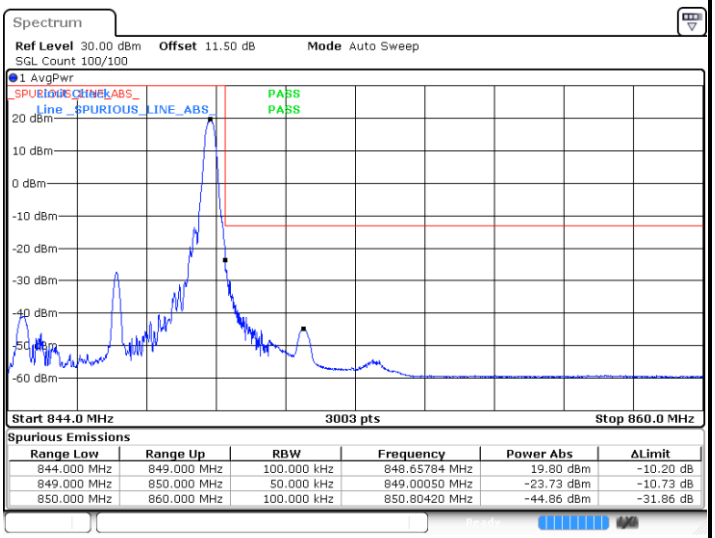


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.18082 MHz	-44.10 dBm	-31.10 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-24.87 dBm	-11.87 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.34216 MHz	20.02 dBm	-9.98 dB

Date: 14.MAY.2021 15:45:52

Highest Band Edge / 1 RB

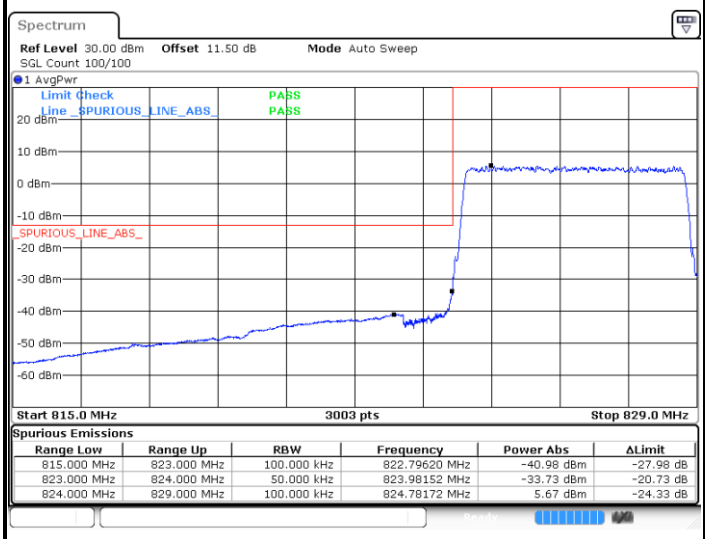


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.65784 MHz	19.80 dBm	-10.20 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-23.73 dBm	-10.73 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.80420 MHz	-44.86 dBm	-31.86 dB

Date: 14.MAY.2021 15:57:12

Lowest Band Edge / Full RB

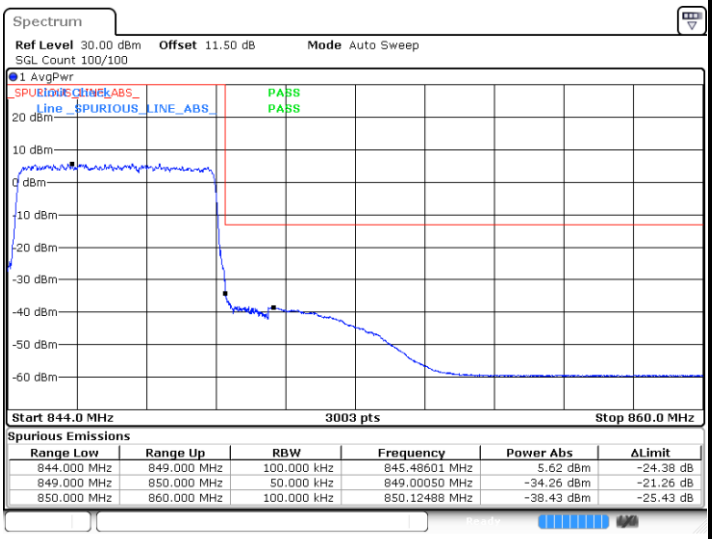


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.79620 MHz	-40.98 dBm	-27.98 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98152 MHz	-33.73 dBm	-20.73 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.78172 MHz	5.67 dBm	-24.33 dB

Date: 14.MAY.2021 15:49:39

Highest Band Edge / Full RB



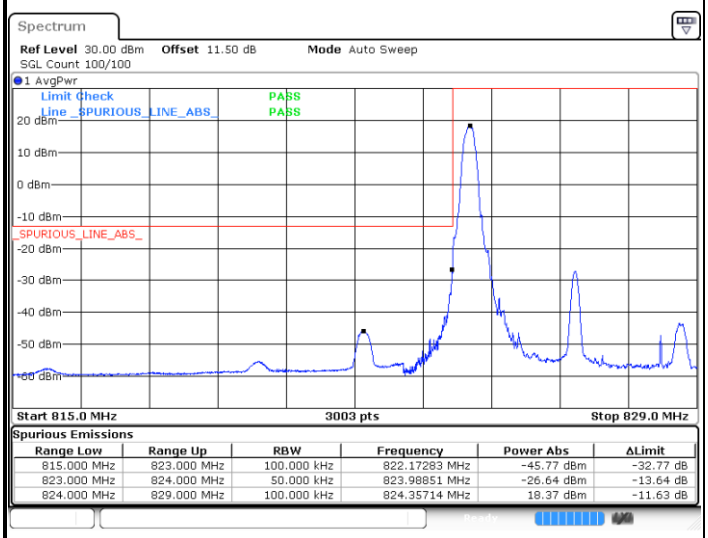
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.48601 MHz	5.62 dBm	-24.38 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-34.26 dBm	-21.26 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.12488 MHz	-38.43 dBm	-25.43 dB

Date: 14.MAY.2021 16:00:57

LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB

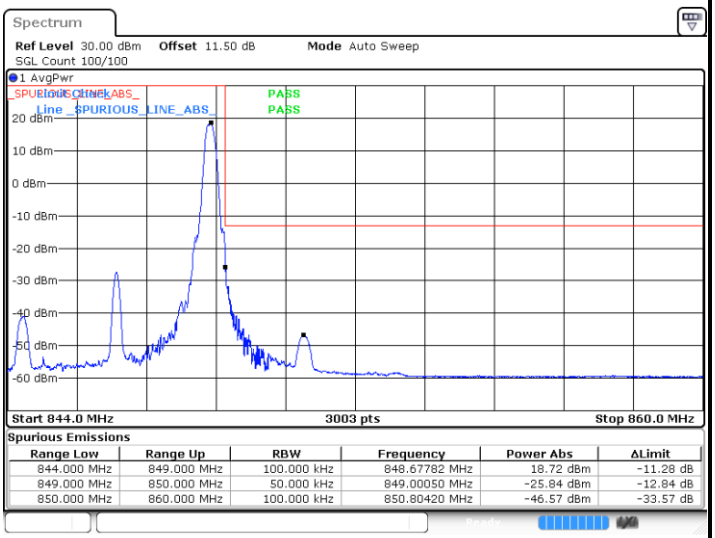


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.17283 MHz	-45.77 dBm	-32.77 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98851 MHz	-26.64 dBm	-13.64 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.35714 MHz	18.37 dBm	-11.63 dB

Date: 14.MAY.2021 16:04:00

Highest Band Edge / 1 RB

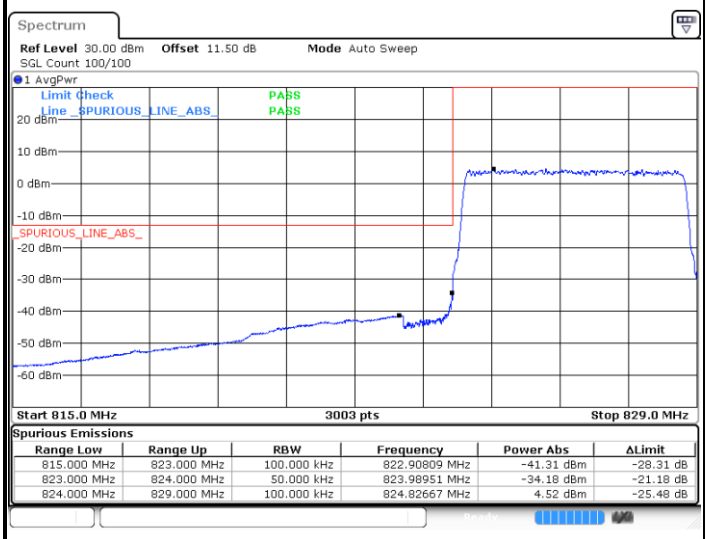


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.67782 MHz	18.72 dBm	-11.28 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-25.84 dBm	-12.84 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.80420 MHz	-46.57 dBm	-33.57 dB

Date: 14.MAY.2021 16:08:29

Lowest Band Edge / Full RB

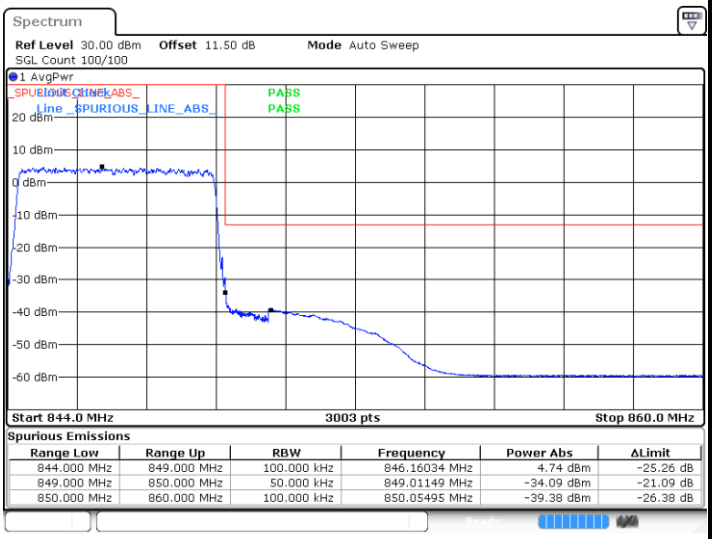


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90809 MHz	-41.31 dBm	-28.31 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98951 MHz	-34.18 dBm	-21.18 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.82667 MHz	4.52 dBm	-25.48 dB

Date: 14.MAY.2021 16:05:53

Highest Band Edge / Full RB



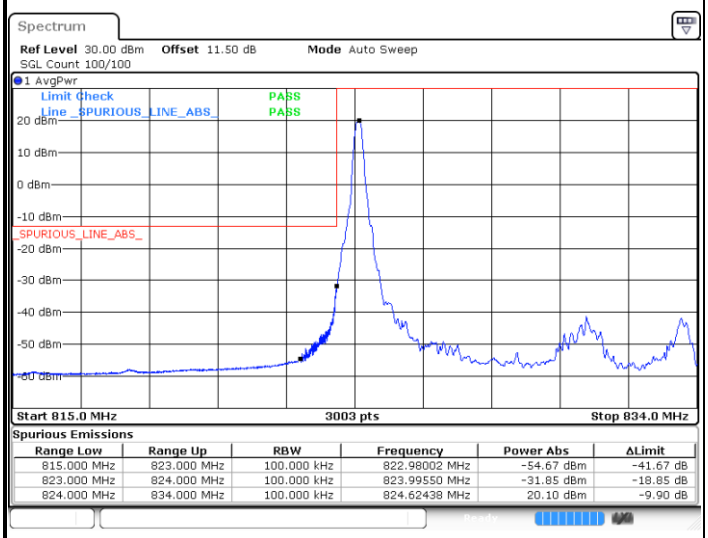
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	846.16034 MHz	4.74 dBm	-25.26 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.01149 MHz	-34.09 dBm	-21.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-39.38 dBm	-26.38 dB

Date: 14.MAY.2021 16:10:22

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

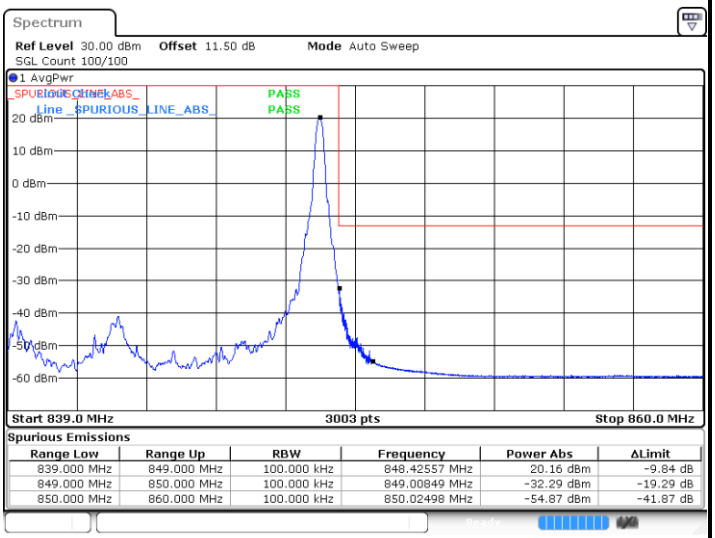


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-54.67 dBm	-41.67 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99550 MHz	-31.85 dBm	-18.85 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.62438 MHz	20.10 dBm	-9.90 dB

Date: 14.MAY.2021 16:12:14

Highest Band Edge / 1 RB

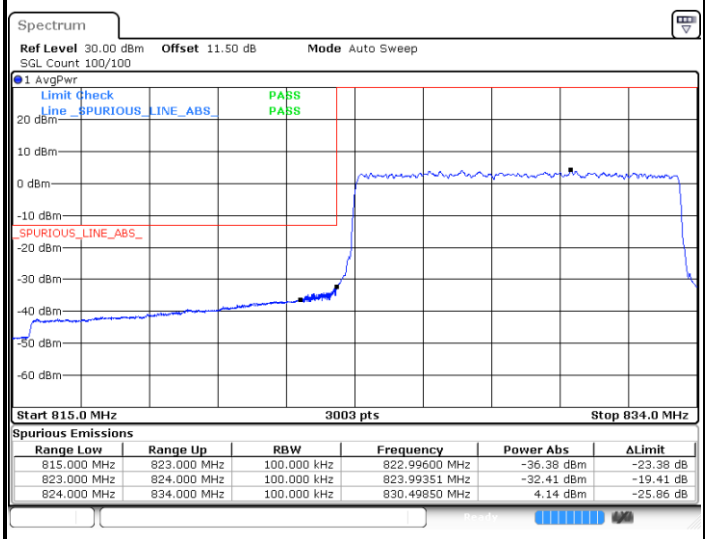


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	20.16 dBm	-9.84 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00849 MHz	-32.29 dBm	-19.29 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-54.87 dBm	-41.87 dB

Date: 14.MAY.2021 16:23:39

Lowest Band Edge / Full RB

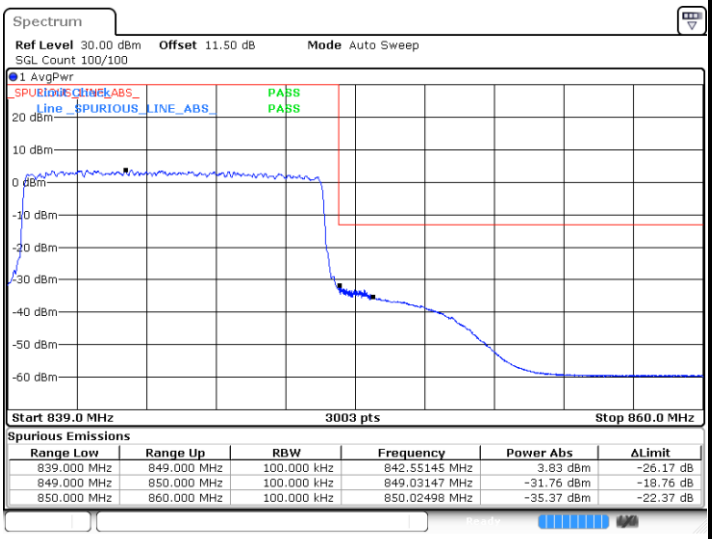


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-36.38 dBm	-23.38 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99351 MHz	-32.41 dBm	-19.41 dB
824.000 MHz	834.000 MHz	100.000 kHz	830.49850 MHz	4.14 dBm	-25.86 dB

Date: 14.MAY.2021 16:15:59

Highest Band Edge / Full RB



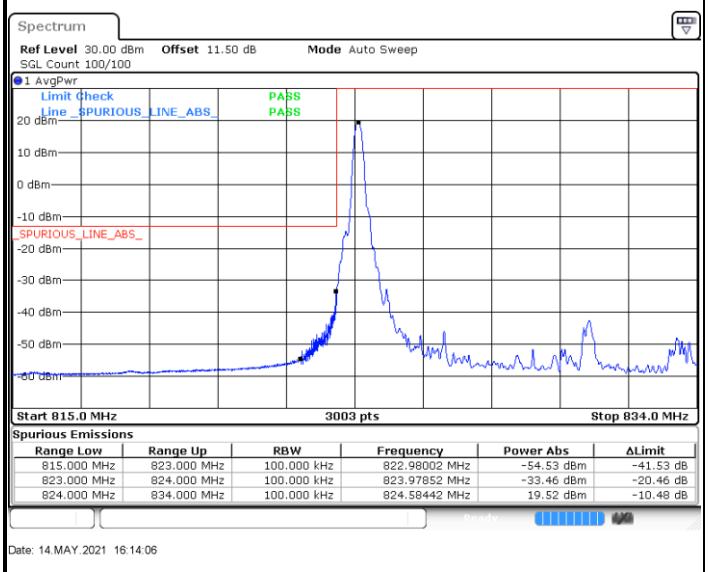
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	842.55145 MHz	3.83 dBm	-26.17 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.03147 MHz	-31.76 dBm	-18.76 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-35.37 dBm	-22.37 dB

Date: 14.MAY.2021 16:27:25

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

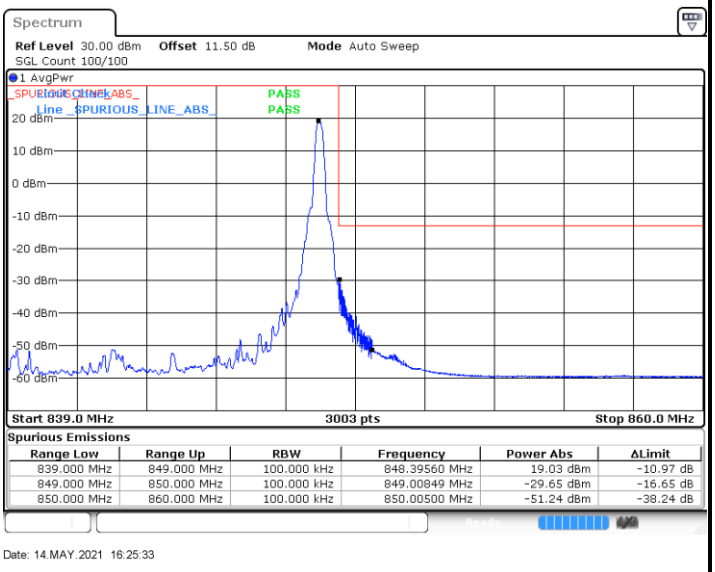


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-54.53 dBm	-41.53 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.97852 MHz	-33.46 dBm	-20.46 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.58442 MHz	19.52 dBm	-10.48 dB

Date: 14.MAY.2021 16:14:06

Highest Band Edge / 1 RB

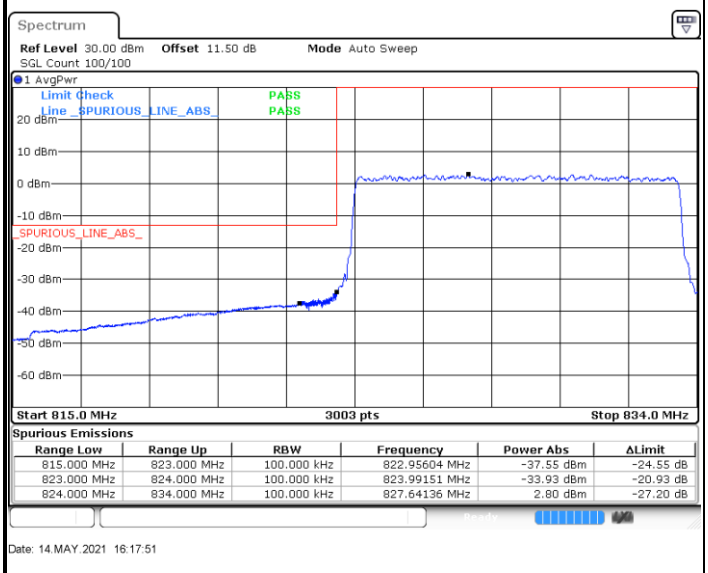


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.39560 MHz	19.03 dBm	-10.97 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00849 MHz	-29.65 dBm	-16.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-51.24 dBm	-38.24 dB

Date: 14.MAY.2021 16:25:33

Lowest Band Edge / Full RB

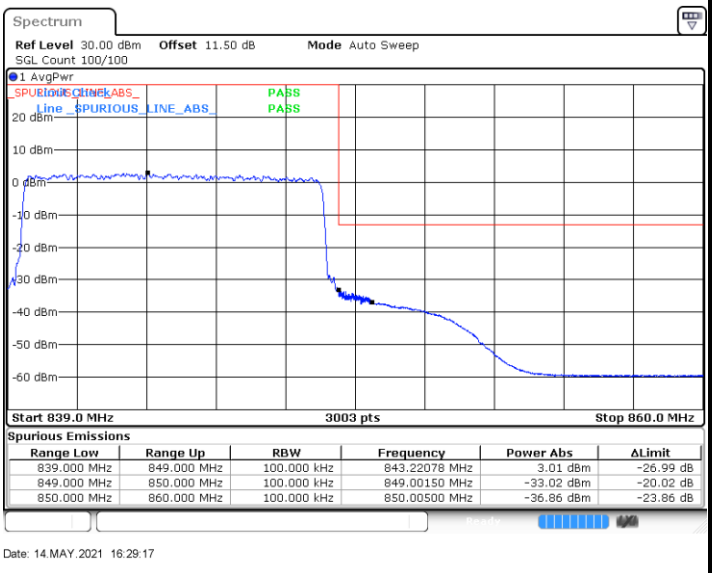


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-37.55 dBm	-24.55 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99151 MHz	-33.93 dBm	-20.93 dB
824.000 MHz	834.000 MHz	100.000 kHz	827.64136 MHz	2.80 dBm	-27.20 dB

Date: 14.MAY.2021 16:17:51

Highest Band Edge / Full RB



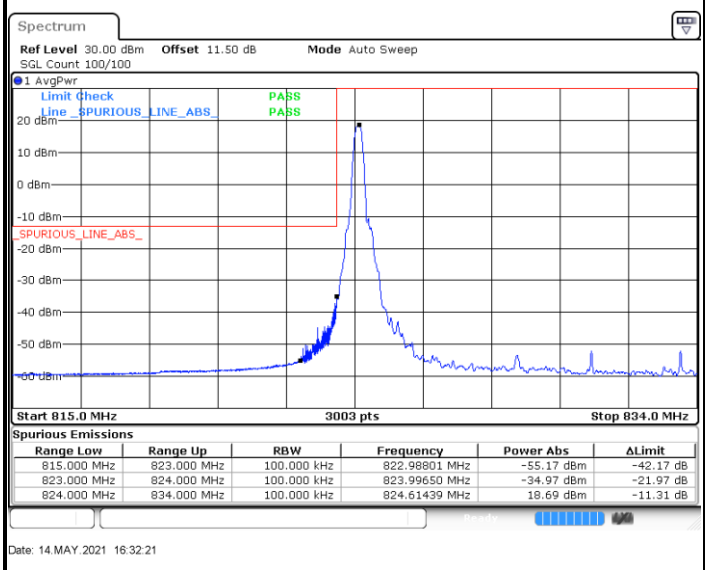
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	843.22078 MHz	3.01 dBm	-26.99 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00150 MHz	-33.02 dBm	-20.02 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-36.86 dBm	-23.86 dB

Date: 14.MAY.2021 16:29:17

LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

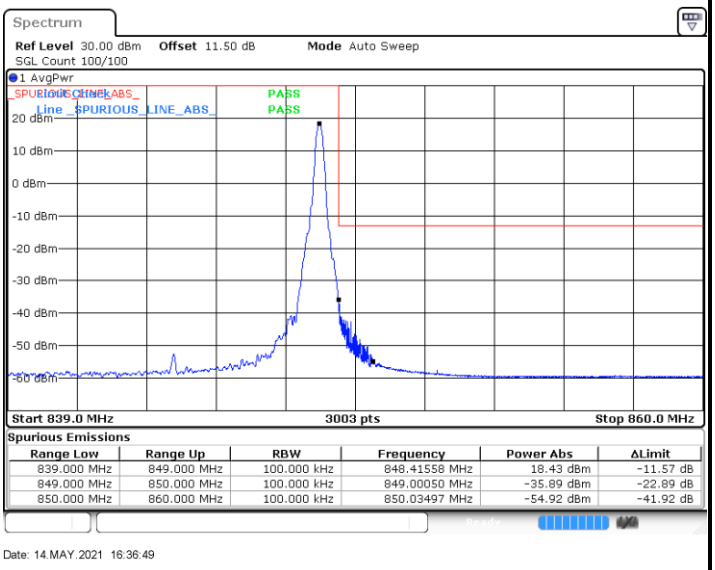


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-55.17 dBm	-42.17 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-34.97 dBm	-21.97 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.61439 MHz	18.69 dBm	-11.31 dB

Date: 14.MAY.2021 16:32:21

Highest Band Edge / 1 RB

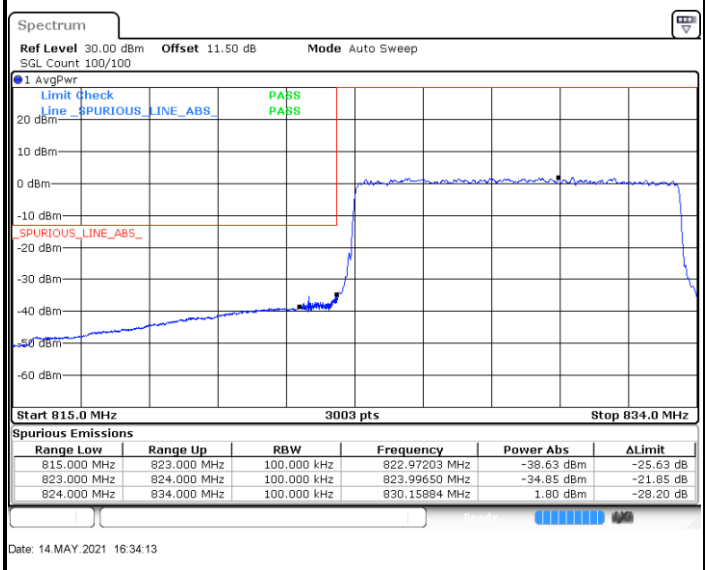


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.41558 MHz	18.43 dBm	-11.57 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00050 MHz	-35.89 dBm	-22.89 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-54.92 dBm	-41.92 dB

Date: 14.MAY.2021 16:36:49

Lowest Band Edge / Full RB

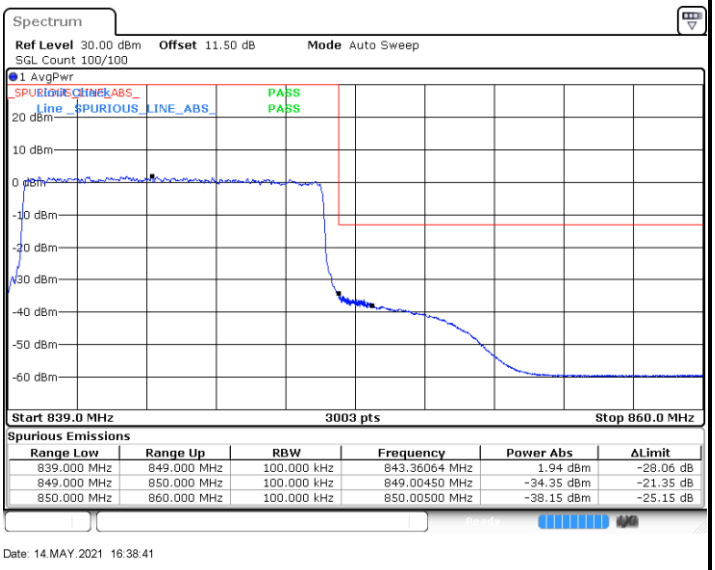


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-38.63 dBm	-25.63 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99650 MHz	-34.85 dBm	-21.85 dB
824.000 MHz	834.000 MHz	100.000 kHz	830.15884 MHz	1.80 dBm	-28.20 dB

Date: 14.MAY.2021 16:34:13

Highest Band Edge / Full RB



Spurious Emissions

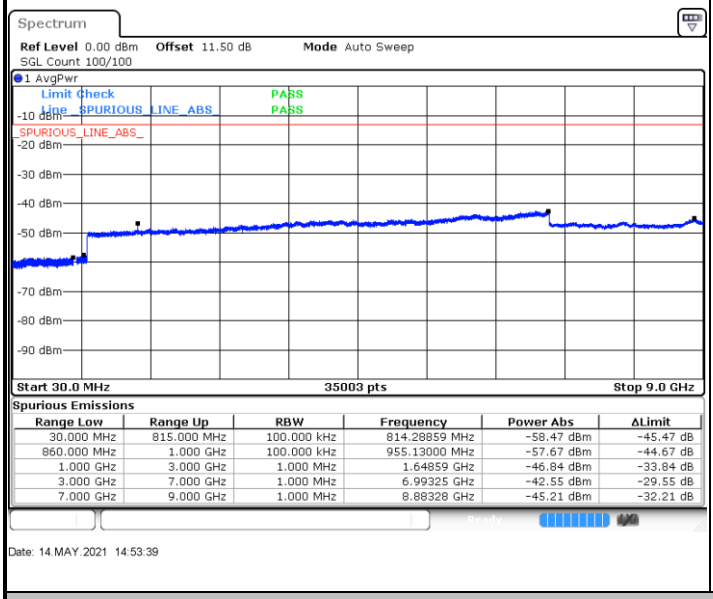
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	843.36064 MHz	1.94 dBm	-28.06 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00450 MHz	-34.35 dBm	-21.35 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-38.15 dBm	-25.15 dB

Date: 14.MAY.2021 16:38:41

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

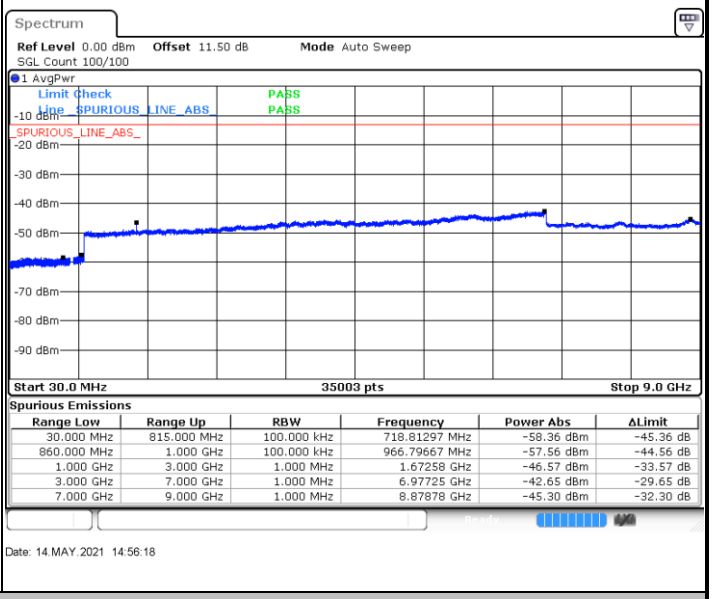


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.28859 MHz	-58.47 dBm	-45.47 dB
860.000 MHz	1.000 GHz	100.000 kHz	955.13000 MHz	-57.67 dBm	-44.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.55 dBm	-29.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88328 GHz	-45.21 dBm	-32.21 dB

Date: 14.MAY.2021 14:53:39

Middle Channel / QPSK

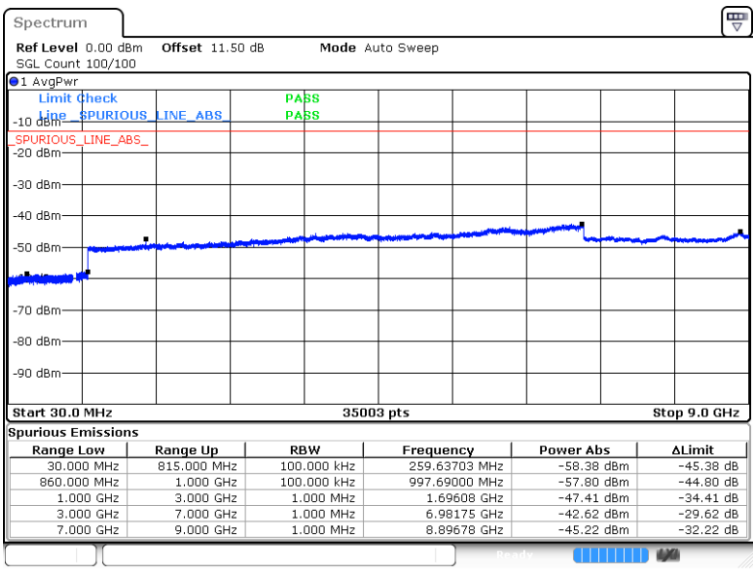


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	718.81297 MHz	-58.36 dBm	-45.36 dB
860.000 MHz	1.000 GHz	100.000 kHz	966.79667 MHz	-57.56 dBm	-44.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-42.65 dBm	-29.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87878 GHz	-45.30 dBm	-32.30 dB

Date: 14.MAY.2021 14:56:18

Highest Channel / QPSK



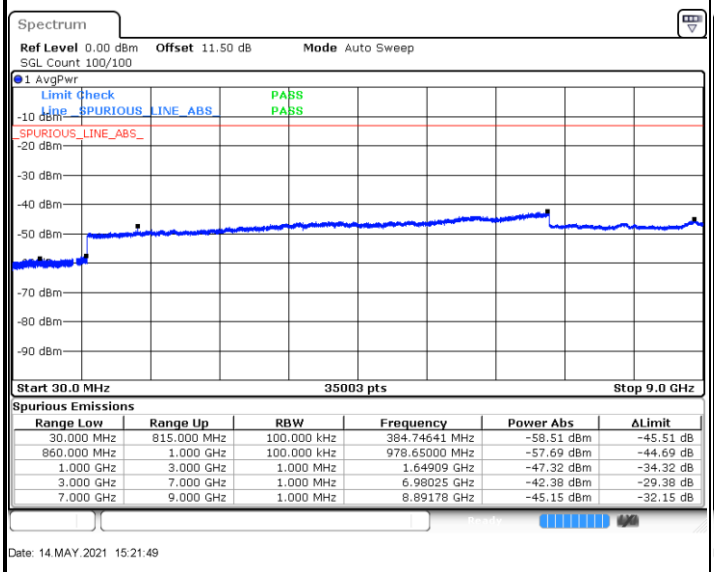
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	259.63703 MHz	-58.38 dBm	-45.38 dB
860.000 MHz	1.000 GHz	100.000 kHz	997.69000 MHz	-57.80 dBm	-44.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-47.41 dBm	-34.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-42.62 dBm	-29.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89678 GHz	-45.22 dBm	-32.22 dB

Date: 14.MAY.2021 15:04:58

LTE Band 5 / 3MHz

Lowest Channel / QPSK

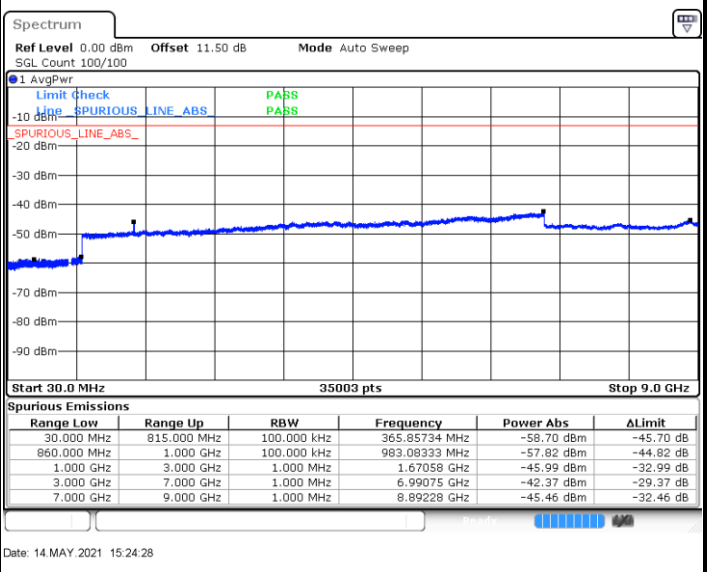


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	384.74641 MHz	-58.51 dBm	-45.51 dB
860.000 MHz	1.000 GHz	100.000 kHz	978.65000 MHz	-57.69 dBm	-44.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98025 GHz	-42.38 dBm	-29.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89178 GHz	-45.15 dBm	-32.15 dB

Date: 14.MAY.2021 15:21:49

Middle Channel / QPSK

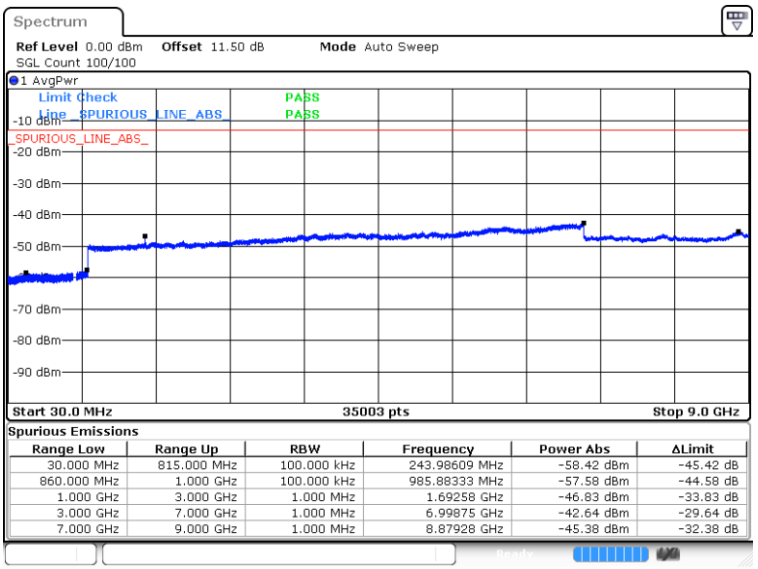


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	365.85734 MHz	-58.70 dBm	-45.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	983.08333 MHz	-57.82 dBm	-44.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-45.99 dBm	-32.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89228 GHz	-45.46 dBm	-32.46 dB

Date: 14.MAY.2021 15:24:28

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	243.98609 MHz	-58.42 dBm	-45.42 dB
860.000 MHz	1.000 GHz	100.000 kHz	985.88333 MHz	-57.58 dBm	-44.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-46.83 dBm	-33.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-42.64 dBm	-29.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87928 GHz	-45.38 dBm	-32.38 dB

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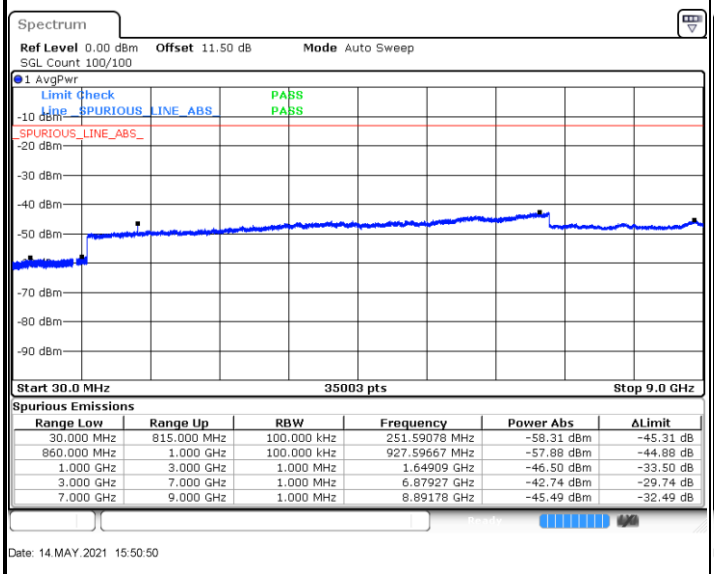
LTE Band 5 / 5MHz

Lowest Channel / QPSK

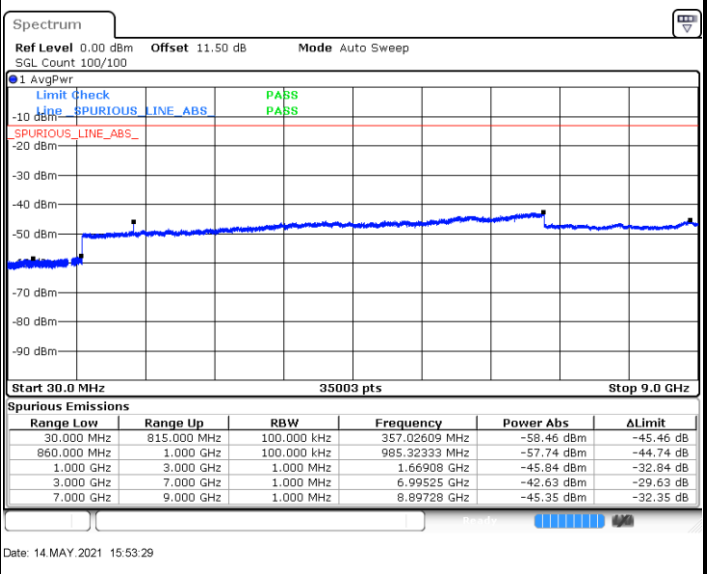


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	251.59078 MHz	-58.31 dBm	-45.31 dB
860.000 MHz	1.000 GHz	100.000 kHz	927.59667 MHz	-57.88 dBm	-44.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87927 GHz	-42.74 dBm	-29.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89178 GHz	-45.49 dBm	-32.49 dB

Date: 14.MAY.2021 15:50:50

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	357.02609 MHz	-58.46 dBm	-45.46 dB
860.000 MHz	1.000 GHz	100.000 kHz	985.32333 MHz	-57.74 dBm	-44.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-45.84 dBm	-32.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-42.63 dBm	-29.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89728 GHz	-45.35 dBm	-32.35 dB

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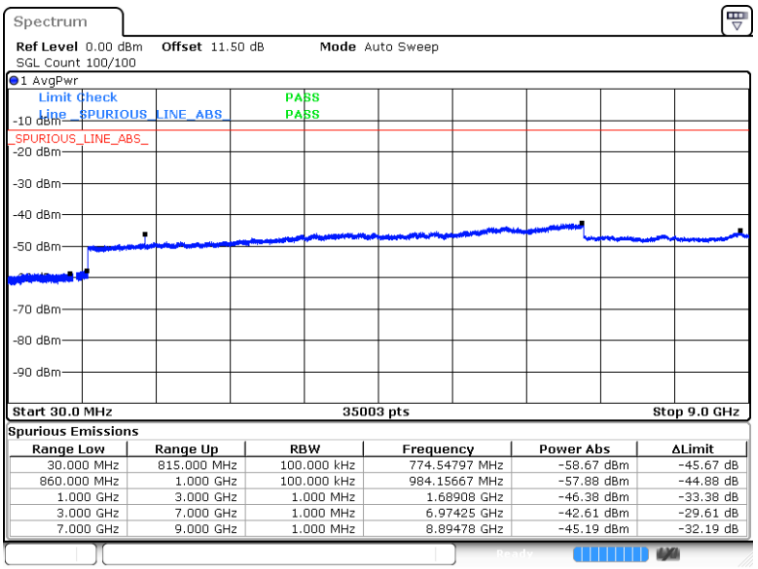
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	774.54797 MHz	-58.67 dBm	-45.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	984.15667 MHz	-57.88 dBm	-44.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97425 GHz	-42.61 dBm	-29.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89478 GHz	-45.19 dBm	-32.19 dB

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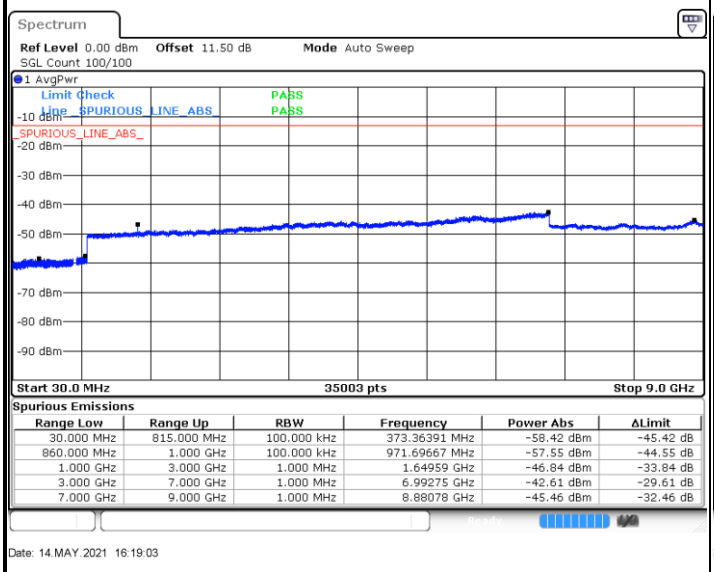
LTE Band 5 / 10MHz

Lowest Channel / QPSK

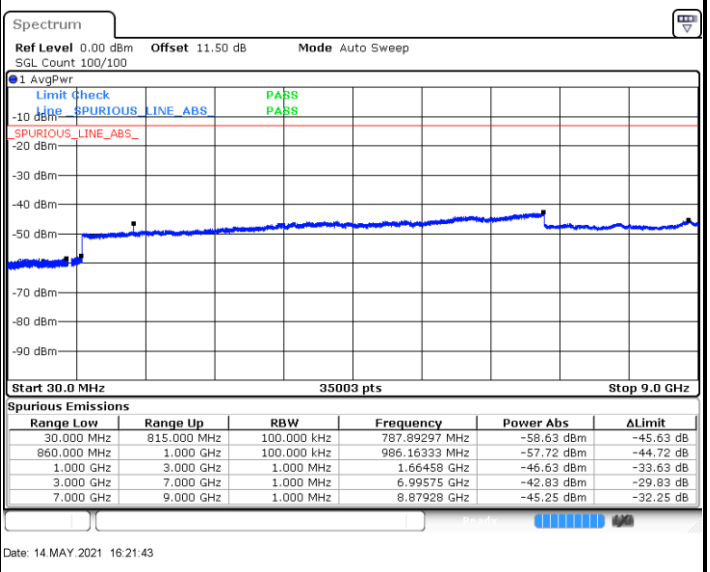


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	373.36391 MHz	-58.42 dBm	-45.42 dB
860.000 MHz	1.000 GHz	100.000 kHz	971.69667 MHz	-57.55 dBm	-44.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.61 dBm	-29.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88078 GHz	-45.46 dBm	-32.46 dB

Date: 14.MAY.2021 16:19:03

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	787.89297 MHz	-58.63 dBm	-45.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	986.16333 MHz	-57.72 dBm	-44.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87928 GHz	-45.25 dBm	-32.25 dB

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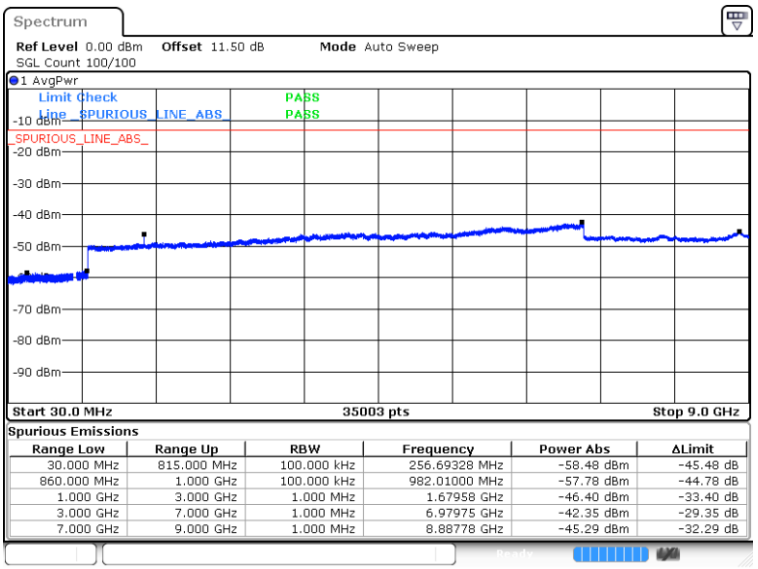
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	256.69328 MHz	-58.48 dBm	-45.48 dB
860.000 MHz	1.000 GHz	100.000 kHz	982.01000 MHz	-57.78 dBm	-44.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97975 GHz	-42.35 dBm	-29.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88778 GHz	-45.29 dBm	-32.29 dB

Date: 14.MAY.2021 16:30:29

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0054	PASS
40	Normal Voltage	0.0097	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0148	
0	Normal Voltage	0.0141	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0109	
20	Maximum Voltage	0.0155	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0106	

Note:

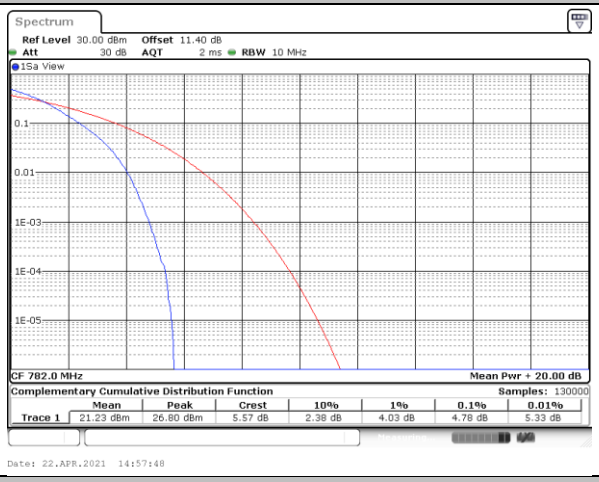
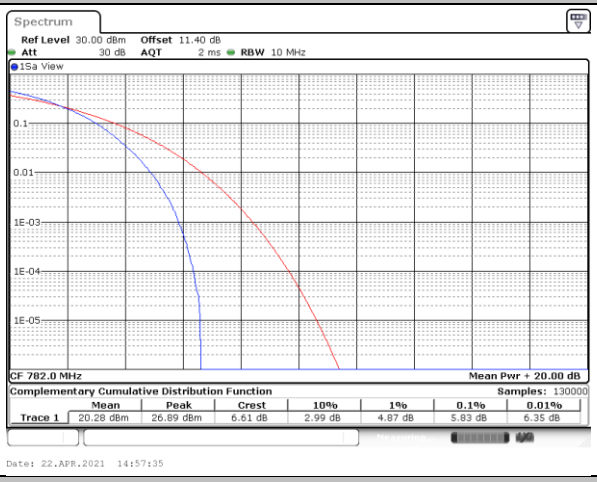
1. Normal Voltage =3.87 V.；Battery End Point (BEP) =3.67 V.；Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

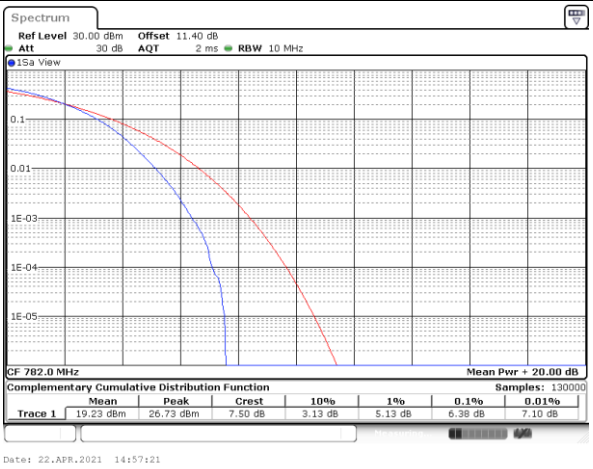
<Sub>

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	4.78	5.83	6.38	-	PASS

LTE Band 13 / 10MHz / QPSK	LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

LTE Band 13 / 10MHz / 64QAM
Middle Channel / Full RB



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	-	-	-	-	4.86	4.88	9.61	9.79	-	-	-	-
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	-	-	-	-	4.82	-	9.75	-	-	-	-	-