FCC RADIO TEST REPORT

FCC ID	:	**2BAFM-HU123**
Equipment	:	**Wearable Communication Device**
Brand Name	:	**Humane**
Model Name	:	**HU0123**
Applicant	:	**Humane, Inc. 969 Folsom Street San Francisco, CA 94107 United States**
Manufacturer	:	**Humane, Inc. 969 Folsom Street San Francisco, CA 94107 United States**
Standard	:	**FCC 47 CFR Part 2, 22(H), 24(E), 27**

The product was received on May 08, 2023 and testing was performed from May 15, 2023 to Jun. 02, 2023. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG342647B	01	Initial issue of report	Jul. 21, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.7	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 26) (Band 66) (Band 71)	Pass	22.31 dB under the limit at 10674.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, WPT, and GNSS. **Antenna Type** WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass: PIFA Antenna WPT: Coil Antenna	
Antenna Gain	LTE Band 2 : -8.24 dBi LTE Band 4 : -10.96 dBi LTE Band 5 : -9.37 dBi LTE Band 7 : -3.76 dBi LTE Band 12 : -12.91 dBi LTE Band 17 : -12.91 dBi LTE Band 26 : -8.52 dBi LTE Band 38 : -3.10 dBi LTE Band 41 : -3.10 dBi LTE Band 66 : -11.04 dBi LTE Band 71 : -13.87 dBi

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH03-HY	03CH07-HY
Test Engineer	HaoEn Zhang	Jesse Wang, Stan Hsieh and Ken Wu
Temperature (℃)	22.3~24.5	20.8~26.1
Relative Humidity (%)	52.1~54.3	49.2~62.8

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

FCC Designation No.: TW1190

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

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

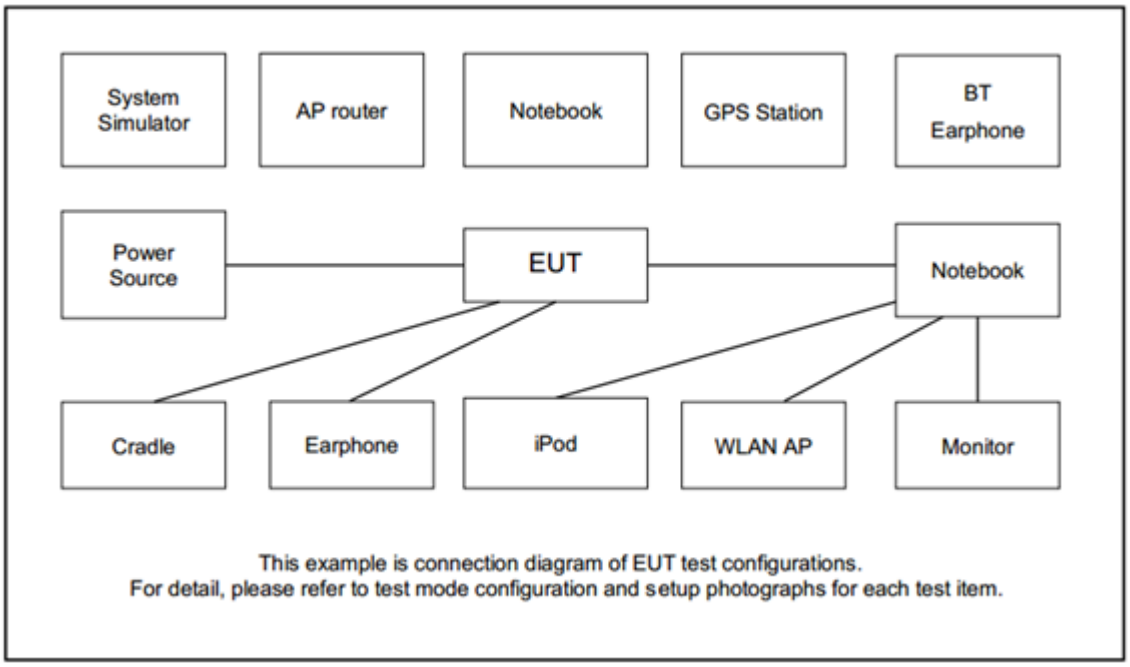
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v	v			v		v	
	4	v	v	v	v	v	v	v	v	v			v		v	
	5	v	v	v	v	-	-	v	v	v			v		v	
	7	-	-	v	v	v	v	v	v	v			v		v	
	12	v	v	v	v	-	-	v	v	v			v		v	
	17	-	-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

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	v	v	v	v	v	v	v			v			v	v	v
	4	v	v	v	v	v	v	v			v			v	v	v
	5	v	v	v	v	-	-	v			v			v	v	v
	7	-	-	v	v	v	v	v			v			v	v	v
	12	v	v	v	v	-	-	v			v			v	v	v
	17	-	-	v	v	-	-	v			v			v	v	v
	26	v	v	v	v	v	-	v			v			v	v	v
	38	-	-	v	v	v	v	v			v			v	v	v
	41	-	-	v	v	v	v	v			v			v	v	v
	66	v	v	v	v	v	v	v			v			v	v	v
	71	-	-	v	v	v	v	v			v			v	v	v
Frequency Stability	2				v			v					v		v	
	4				v			v					v		v	
	5				v	-	-	v					v		v	
	7	-	-		v			v					v		v	
	12				v	-	-	v					v		v	
	17	-	-		v	-	-	v					v		v	
	26				v		-	v					v		v	
	38	-	-		v			v					v		v	
	41	-	-		v			v					v		v	
	66				v			v					v		v	
	71	-	-		v			v					v		v	

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

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

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

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

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

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

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

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

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

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

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

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

LTE Band 41C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2583.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

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

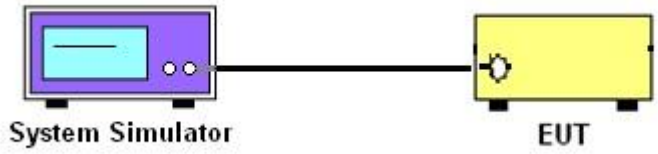
3 Conducted Test Items

3.1 Measuring Instruments

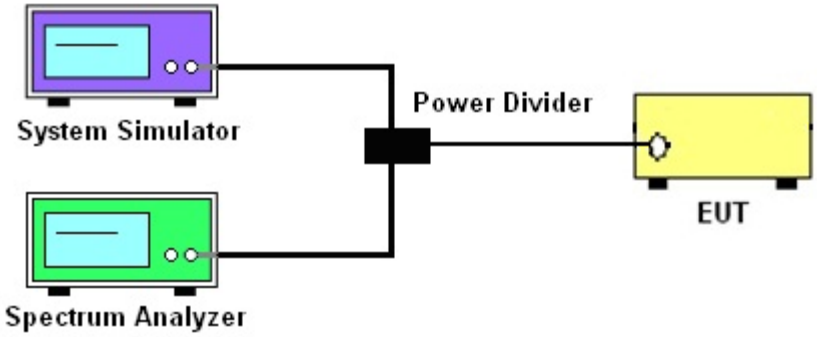
See list of measuring instruments of this test report.

3.1.1 Test Setup

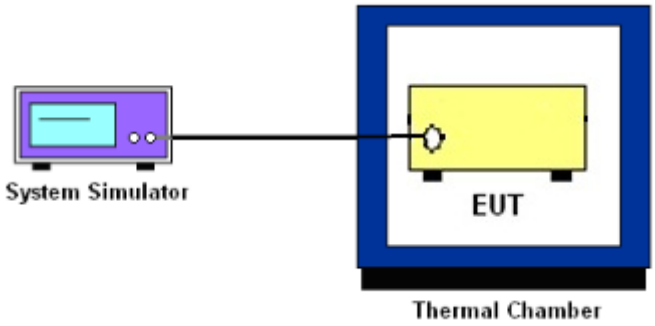
3.1.2 Conducted Output Power



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



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP/EIRP

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

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

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

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 7 and Band 38 and Band 41

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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

3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

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

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

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

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

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (g)

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

27.53 (h)

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

27.53(m)(4)

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

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For LTE Band 7, 38, 41
   The other 40 dB, and 55 dB have additionally applied same calculation above.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For LTE Band 7, 38, 41

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   For LTE Band 7, 38, 41
   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within each of the sub-bands when tested at the temperature and supply voltage variations specified in RSS-Gen.

24.235 & 27.54

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

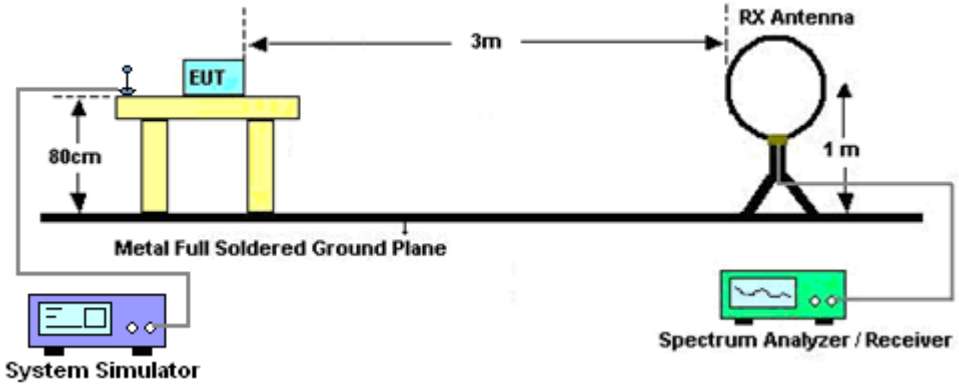
4 Radiated Test Items

4.1 Measuring Instruments

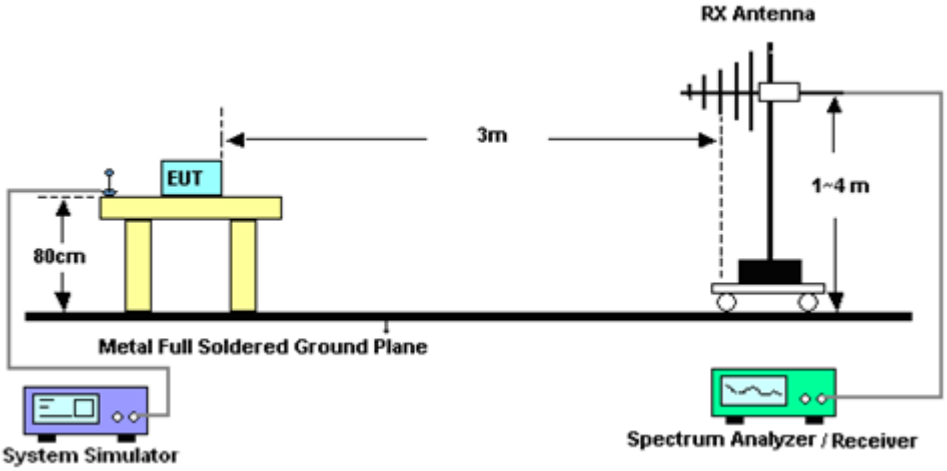
See list of measuring instruments of this test report.

4.1.1 Test Setup

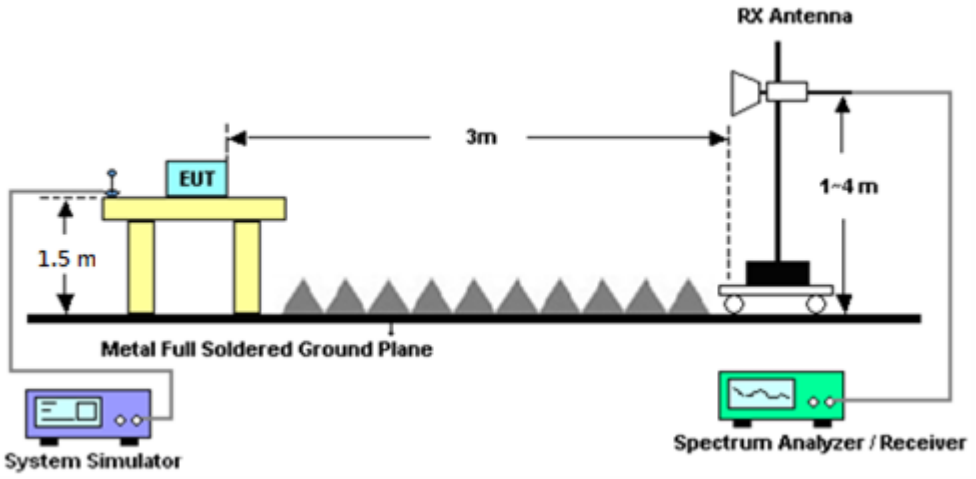
For radiated test below 30MHz



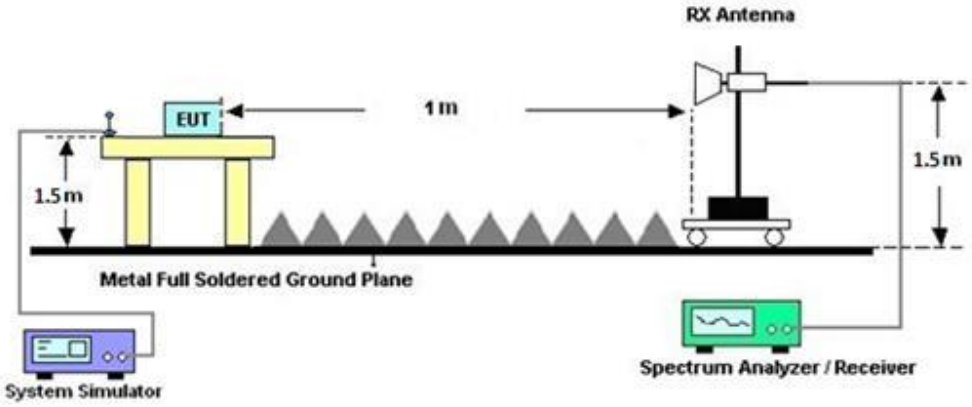
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For LTE Band 7, 38, 41

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

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

4.2.2 Test Procedures

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

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

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

    For LTE Band 7, 38, 41

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

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

    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 23, 2023	May 19, 2023~ May 26, 2023	Apr. 22, 2024	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 01, 2022	May 19, 2023~ May 26, 2023	Nov. 30, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 20, 2023	May 19, 2023~ May 26, 2023	Apr. 19, 2024	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	May 19, 2023~ May 26, 2023	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 24, 2023	May 19, 2023~ May 26, 2023	Mar. 23, 2024	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 21, 2022	May 19, 2023~ May 26, 2023	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 28, 2023	May 19, 2023~ May 26, 2023	Mar. 27, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 22, 2023	May 19, 2023~ May 26, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 22, 2023	May 19, 2023~ May 26, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 22, 2023	May 19, 2023~ May 26, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 22, 2023	May 19, 2023~ May 26, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 20, 2023	May 19, 2023~ May 26, 2023	Apr. 19, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	May 19, 2023~ May 26, 2023	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	May 19, 2023~ May 26, 2023	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	May 19, 2023~ May 26, 2023	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May 19, 2023~ May 26, 2023	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	May 19, 2023~ May 26, 2023	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	May 19, 2023~ May 26, 2023	Mar. 13, 2024	Radiation (03CH07-HY)
Horn Antenna	ETS-Lindgren	3117	00143261	1GHz~18GHz	Feb. 24, 2023	May 19, 2023~ May 26, 2023	Feb. 23, 2024	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2022	May 19, 2023~ May 26, 2023	Nov. 23, 2023	Radiation (03CH07-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Jan. 11, 2023	May 19, 2023~ May 26, 2023	Jan. 10, 2024	Radiation (03CH07-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	May 15, 2023~ Jun. 02, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Sep. 27, 2022	May 15, 2023~ Jun. 02, 2023	Sep. 26, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	May 15, 2023~ Jun. 02, 2023	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Dec. 29, 2022	May 15, 2023~ Jun. 02, 2023	Dec. 28, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	May 15, 2023~ Jun. 02, 2023	Jan. 05, 2024	Conducted (TH03-HY)

6 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.08 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.38	23.62	23.55	15.42	0.0348
20	1	49		23.39	23.66	23.52		
20	1	99		23.49	23.55	23.43		
20	50	0		22.44	22.67	22.63		
20	50	24		22.48	22.68	22.46		
20	50	50		22.52	22.72	22.52		
20	100	0		22.54	22.65	22.28		
20	1	0	16-QAM	22.76	23.00	22.86	14.76	0.0299
20	1	49		22.74	22.97	22.88		
20	1	99		22.90	22.85	22.51		
20	50	0		21.58	21.80	21.55		
20	50	24		21.60	21.84	21.68		
20	50	50		21.67	21.82	21.71		
20	100	0		21.64	21.79	21.57		
20	1	0	64-QAM	21.69	21.96	21.84	13.72	0.0236
20	1	49		21.68	21.96	21.83		
20	1	99		21.84	21.85	21.59		
20	50	0		20.57	20.83	20.72		
20	50	24		20.62	20.86	20.67		
20	50	50		20.67	20.84	20.67		
20	100	0		20.67	20.81	20.61		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.37	23.61	23.44	15.37	0.0344
15	1	37		23.37	23.60	23.47		
15	1	74		23.37	23.55	23.31		
15	36	0		22.42	22.65	22.59		
15	36	20		22.44	22.71	22.37		
15	36	39		22.44	22.69	22.32		
15	75	0		22.41	22.67	22.57		
15	1	0	16-QAM	22.73	22.99	22.79	14.76	0.0299
15	1	37		22.73	23.00	22.83		
15	1	74		22.73	22.87	22.53		
15	36	0		21.55	21.81	21.66		
15	36	20		21.57	21.83	21.71		
15	36	39		21.53	21.81	21.63		
15	75	0		21.52	21.81	21.66		
15	1	0	64-QAM	21.66	21.98	21.74	13.74	0.0237
15	1	37		21.67	21.92	21.83		
15	1	74		21.71	21.80	21.57		
15	36	0		20.54	20.84	20.70		
15	36	20		20.59	20.87	20.77		
15	36	39		20.55	20.86	20.72		
15	75	0		20.55	20.81	20.68		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.40	23.63	23.51	15.42	0.0348
10	1	25		23.37	23.62	23.41		
10	1	49		23.40	23.66	23.35		
10	25	0		22.40	22.66	22.56		
10	25	12		22.45	22.68	22.62		
10	25	25		22.42	22.66	22.46		
10	50	0		22.38	22.66	22.61		
10	1	0	16-QAM	22.74	23.00	22.86	14.76	0.0299
10	1	25		22.73	23.00	22.70		
10	1	49		22.70	22.99	22.57		
10	25	0		21.51	21.79	21.69		
10	25	12		21.56	21.81	21.69		
10	25	25		21.49	21.79	21.55		
10	50	0		21.51	21.81	21.68		
10	1	0	64-QAM	21.70	21.94	21.78	13.74	0.0237
10	1	25		21.69	21.95	21.74		
10	1	49		21.69	21.98	21.61		
10	25	0		20.52	20.78	20.70		
10	25	12		20.54	20.85	20.72		
10	25	25		20.54	20.82	20.59		
10	50	0		20.55	20.83	20.70		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.41	23.68	23.35	15.44	0.0350
5	1	12		23.42	23.65	23.48		
5	1	24		23.41	23.68	23.44		
5	12	0		22.46	22.72	22.48		
5	12	7		22.46	22.75	22.56		
5	12	13		22.47	22.71	22.48		
5	25	0		22.43	22.69	22.54		
5	1	0	16-QAM	22.72	22.98	22.70	14.76	0.0299
5	1	12		22.78	22.97	22.72		
5	1	24		22.72	23.00	22.54		
5	12	0		21.56	21.84	21.83		
5	12	7		21.57	21.87	21.60		
5	12	13		21.55	21.85	21.57		
5	25	0		21.53	21.83	21.54		
5	1	0	64-QAM	21.69	21.99	21.72	13.75	0.0237
5	1	12		21.71	21.98	21.68		
5	1	24		21.70	21.97	21.51		
5	12	0		20.59	20.89	20.66		
5	12	7		20.63	20.93	20.70		
5	12	13		20.60	20.90	20.65		
5	25	0		20.56	20.83	20.59		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.30	23.56	23.32	15.36	0.0344
3	1	8		23.36	23.60	23.45		
3	1	14		23.36	23.58	23.43		
3	8	0		22.39	22.67	22.45		
3	8	4		22.44	22.68	22.51		
3	8	7		22.37	22.66	22.48		
3	15	0		22.39	22.64	22.51		
3	1	0	16-QAM	22.68	22.92	22.61	14.74	0.0298
3	1	8		22.73	22.98	22.63		
3	1	14		22.67	22.96	22.51		
3	8	0		21.52	21.81	21.54		
3	8	4		21.57	21.87	21.59		
3	8	7		21.53	21.84	21.53		
3	15	0		21.52	21.78	21.57		
3	1	0	64-QAM	21.62	21.91	21.61	13.70	0.0234
3	1	8		21.67	21.94	21.61		
3	1	14		21.66	21.92	21.53		
3	8	0		20.54	20.84	20.58		
3	8	4		20.61	20.89	20.62		
3	8	7		20.54	20.87	20.56		
3	15	0		20.52	20.80	20.60		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -8.24 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.27	23.49	23.32	15.41	0.0348
1.4	1	3		23.42	23.64	23.48		
1.4	1	5		23.32	23.56	23.38		
1.4	3	0		23.38	23.61	23.36		
1.4	3	1		23.42	23.65	23.42		
1.4	3	3		23.35	23.61	23.35		
1.4	6	0		22.37	22.61	22.40		
1.4	1	0	16-QAM	22.64	22.91	22.45	14.76	0.0299
1.4	1	3		22.78	23.00	22.52		
1.4	1	5		22.67	22.93	22.42		
1.4	3	0		22.44	22.71	22.27		
1.4	3	1		22.51	22.75	22.34		
1.4	3	3		22.45	22.71	22.32		
1.4	6	0		21.53	21.81	21.56		
1.4	1	0	64-QAM	21.65	21.88	21.45	13.74	0.0237
1.4	1	3		21.68	21.98	21.54		
1.4	1	5		21.63	21.87	21.51		
1.4	3	0		21.61	21.88	21.56		
1.4	3	1		21.66	21.94	21.61		
1.4	3	3		21.60	21.89	21.56		
1.4	6	0		20.49	20.76	20.62		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.89	23.66	23.41	12.99	0.0199
20	1	49		23.79	23.60	23.40		
20	1	99		23.95	23.87	23.21		
20	50	0		22.78	22.66	22.48		
20	50	24		22.85	22.67	22.52		
20	50	50		22.73	22.66	22.39		
20	100	0		22.82	22.63	22.49		
20	1	0	16-QAM	22.97	22.94	22.80	12.01	0.0159
20	1	49		22.94	22.88	22.80		
20	1	99		22.92	22.89	22.46		
20	50	0		21.93	21.75	21.64		
20	50	24		21.94	21.79	21.68		
20	50	50		21.81	21.77	21.55		
20	100	0		21.89	21.75	21.58		
20	1	0	64-QAM	21.98	21.95	21.76	11.04	0.0127
20	1	49		21.89	21.86	21.75		
20	1	99		21.93	22.00	21.44		
20	50	0		20.93	20.75	20.70		
20	50	24		20.94	20.81	20.70		
20	50	50		20.81	20.82	20.54		
20	100	0		20.90	20.76	20.67		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.70	23.76	23.35	12.92	0.0196
15	1	37		23.75	23.88	23.40		
15	1	74		23.35	23.41	23.53		
15	36	0		22.80	22.66	22.54		
15	36	20		22.72	22.69	22.49		
15	36	39		22.62	22.77	22.45		
15	75	0		22.68	22.94	22.43		
15	1	0	16-QAM	22.92	22.90	22.34	12.04	0.0160
15	1	37		22.83	23.00	22.77		
15	1	74		22.76	22.89	22.51		
15	36	0		21.95	21.75	21.71		
15	36	20		21.88	21.86	21.65		
15	36	39		21.73	21.94	21.56		
15	75	0		21.82	21.97	21.58		
15	1	0	64-QAM	21.94	21.91	21.77	11.04	0.0127
15	1	37		22.00	21.94	21.80		
15	1	74		21.80	21.61	21.57		
15	36	0		20.98	20.81	20.76		
15	36	20		20.92	20.88	20.67		
15	36	39		20.78	20.96	20.62		
15	75	0		20.86	21.00	20.63		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.84	23.90	23.48	13.04	0.0201
10	1	25		23.80	24.00	23.50		
10	1	49		23.65	23.88	23.39		
10	25	0		22.81	22.69	22.54		
10	25	12		22.82	22.73	22.58		
10	25	25		22.68	22.71	22.53		
10	50	0		22.80	22.70	22.58		
10	1	0	16-QAM	23.00	22.94	22.90	12.04	0.0160
10	1	25		22.90	23.00	22.87		
10	1	49		22.97	23.00	22.63		
10	25	0		21.97	21.78	21.72		
10	25	12		21.97	21.82	21.73		
10	25	25		21.85	21.81	21.65		
10	50	0		21.96	21.81	21.70		
10	1	0	64-QAM	21.93	21.98	21.86	11.04	0.0127
10	1	25		21.92	22.00	21.86		
10	1	49		22.00	21.75	21.64		
10	25	0		20.98	20.81	20.73		
10	25	12		20.99	20.85	20.75		
10	25	25		20.86	20.86	20.67		
10	50	0		20.96	20.81	20.70		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.73	24.00	23.39	13.04	0.0201
5	1	12		23.78	23.90	23.37		
5	1	24		23.65	23.96	23.35		
5	12	0		22.82	22.71	22.50		
5	12	7		22.80	22.78	22.46		
5	12	13		22.74	22.70	22.41		
5	25	0		22.74	22.72	22.49		
5	1	0	16-QAM	22.79	22.83	22.77	11.91	0.0155
5	1	12		22.74	22.87	22.66		
5	1	24		22.77	22.85	22.55		
5	12	0		22.00	21.83	21.62		
5	12	7		21.97	21.88	21.57		
5	12	13		21.92	21.86	21.48		
5	25	0		21.87	21.81	21.59		
5	1	0	64-QAM	21.83	21.88	21.78	10.92	0.0124
5	1	12		21.75	21.80	21.63		
5	1	24		21.65	21.78	21.53		
5	12	0		21.00	20.92	20.72		
5	12	7		20.98	20.96	20.65		
5	12	13		20.98	20.92	20.57		
5	25	0		20.92	20.84	20.60		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.83	23.79	23.33	13.04	0.0201
3	1	8		23.87	24.00	23.38		
3	1	14		23.78	23.86	23.34		
3	8	0		22.90	22.70	22.38		
3	8	4		22.93	22.76	22.45		
3	8	7		22.83	22.71	22.42		
3	15	0		22.84	22.76	22.45		
3	1	0	16-QAM	22.87	23.00	22.65	12.04	0.0160
3	1	8		22.76	22.95	22.64		
3	1	14		22.68	22.84	22.56		
3	8	0		21.75	21.87	21.52		
3	8	4		21.73	21.91	21.60		
3	8	7		21.74	21.87	21.52		
3	15	0		21.98	21.87	21.54		
3	1	0	64-QAM	21.85	22.00	21.62	11.04	0.0127
3	1	8		21.83	21.89	21.62		
3	1	14		21.63	21.68	21.57		
3	8	0		20.93	20.91	20.55		
3	8	4		20.95	20.94	20.65		
3	8	7		20.92	20.94	20.57		
3	15	0		20.99	20.89	20.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -10.96 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.77	23.95	23.23	13.04	0.0201
1.4	1	3		23.87	24.00	23.36		
1.4	1	5		23.73	23.92	23.27		
1.4	3	0		23.76	23.90	23.36		
1.4	3	1		23.79	23.92	23.38		
1.4	3	3		23.76	23.94	23.33		
1.4	6	0		22.76	22.68	22.37		
1.4	1	0	16-QAM	22.56	22.63	22.53	12.00	0.0158
1.4	1	3		22.62	22.72	22.58		
1.4	1	5		22.55	22.60	22.51		
1.4	3	0		22.89	22.94	22.38		
1.4	3	1		22.91	22.96	22.39		
1.4	3	3		22.86	22.88	22.34		
1.4	6	0		21.99	21.85	21.54		
1.4	1	0	64-QAM	21.58	21.67	21.53	10.79	0.0120
1.4	1	3		21.65	21.73	21.60		
1.4	1	5		21.55	21.63	21.50		
1.4	3	0		21.58	21.67	21.52		
1.4	3	1		21.64	21.75	21.57		
1.4	3	3		21.59	21.73	21.54		
1.4	6	0		20.91	20.80	20.47		
Limit	EIRP < 1W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -9.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.60	23.66	23.80	12.30	0.0170
10	1	25		23.60	23.62	23.73		
10	1	49		23.67	23.68	23.82		
10	25	0		22.68	22.69	22.84		
10	25	12		22.79	22.71	22.85		
10	25	25		22.74	22.66	22.80		
10	50	0		22.76	22.67	22.81		
10	1	0	16-QAM	22.82	22.95	23.00	11.48	0.0141
10	1	25		22.82	22.96	22.94		
10	1	49		23.00	22.96	22.90		
10	25	0		21.72	21.76	21.88		
10	25	12		21.83	21.77	21.85		
10	25	25		21.78	21.71	21.85		
10	50	0		21.83	21.77	21.87		
10	1	0	64-QAM	21.78	21.89	22.00	10.48	0.0112
10	1	25		21.75	21.96	21.90		
10	1	49		21.91	21.90	21.97		
10	25	0		20.73	20.80	20.87		
10	25	12		20.82	20.82	20.89		
10	25	25		20.85	20.73	20.87		
10	50	0		20.81	20.80	20.91		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -9.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.67	23.60	23.70	12.28	0.0169
5	1	12		23.69	23.59	23.80		
5	1	24		23.63	23.63	23.75		
5	12	0		22.72	22.66	22.74		
5	12	7		22.72	22.66	22.88		
5	12	13		22.70	22.65	22.86		
5	25	0		22.75	22.66	22.76		
5	1	0	16-QAM	22.87	22.91	22.89	11.48	0.0141
5	1	12		22.88	22.94	22.97		
5	1	24		22.82	22.98	23.00		
5	12	0		21.76	21.77	21.75		
5	12	7		21.76	21.78	21.94		
5	12	13		21.73	21.72	21.90		
5	25	0		21.76	21.74	21.80		
5	1	0	64-QAM	21.86	21.89	21.87	10.46	0.0111
5	1	12		21.84	21.88	21.98		
5	1	24		21.80	21.90	21.93		
5	12	0		20.81	20.80	20.85		
5	12	7		20.83	20.81	20.98		
5	12	13		20.79	20.76	21.00		
5	25	0		20.79	20.73	20.82		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -9.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.66	23.59	23.82	12.30	0.0170
3	1	8		23.65	23.58	23.78		
3	1	14		23.64	23.53	23.76		
3	8	0		22.71	22.64	22.86		
3	8	4		22.74	22.65	22.88		
3	8	7		22.71	22.62	22.83		
3	15	0		22.75	22.62	22.84		
3	1	0	16-QAM	22.87	22.93	23.92	12.40	0.0174
3	1	8		22.87	22.93	22.95		
3	1	14		22.86	22.84	22.99		
3	8	0		21.76	21.75	21.91		
3	8	4		21.78	21.78	21.97		
3	8	7		21.77	21.74	21.95		
3	15	0		21.79	21.71	21.94		
3	1	0	64-QAM	21.82	21.83	21.96	10.48	0.0112
3	1	8		21.85	21.86	21.93		
3	1	14		21.78	21.84	22.00		
3	8	0		20.77	20.80	20.95		
3	8	4		20.82	20.81	20.98		
3	8	7		20.80	20.74	20.97		
3	15	0		20.82	20.74	20.97		
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = -9.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.59	23.49	23.69	12.27	0.0169
1.4	1	3		23.65	23.53	23.76		
1.4	1	5		23.57	23.48	23.68		
1.4	3	0		23.64	23.53	23.73		
1.4	3	1		23.68	23.57	23.79		
1.4	3	3		23.63	23.56	23.72		
1.4	6	0		22.69	22.55	22.76		
1.4	1	0	16-QAM	22.79	22.82	22.97	11.48	0.0141
1.4	1	3		22.88	22.86	23.00		
1.4	1	5		22.78	22.80	22.99		
1.4	3	0		22.62	22.66	22.80		
1.4	3	1		22.66	22.67	22.86		
1.4	3	3		22.62	22.62	22.78		
1.4	6	0		21.77	21.71	21.90		
1.4	1	0	64-QAM	21.79	21.78	21.96	10.46	0.0111
1.4	1	3		21.84	21.84	21.97		
1.4	1	5		21.73	21.78	21.89		
1.4	3	0		21.76	21.77	21.97		
1.4	3	1		21.79	21.83	21.98		
1.4	3	3		21.77	21.78	21.96		
1.4	6	0		20.73	20.66	20.87		
Limit	ERP < 7W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -3.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.27	23.04	23.04	19.51	0.0893
20	1	49		23.23	23.04	23.12		
20	1	99		23.09	23.08	23.17		
20	50	0		22.25	22.07	22.12		
20	50	24		22.21	22.10	22.21		
20	50	50		22.12	22.09	22.25		
20	100	0		22.22	22.07	22.20		
20	1	0	16-QAM	22.61	22.35	22.32	18.85	0.0767
20	1	49		22.54	22.37	22.42		
20	1	99		22.35	22.40	22.50		
20	50	0		21.35	21.14	21.25		
20	50	24		21.31	21.18	21.28		
20	50	50		21.20	21.19	21.33		
20	100	0		21.29	21.16	21.29		
20	1	0	64-QAM	21.57	21.24	21.25	17.81	0.0604
20	1	49		21.51	21.30	21.37		
20	1	99		21.28	21.31	21.43		
20	50	0		20.34	20.17	20.22		
20	50	24		20.33	20.20	20.32		
20	50	50		20.23	20.21	20.30		
20	100	0		20.32	20.18	20.25		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -3.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.22	23.09	23.07	19.46	0.0883
15	1	37		23.14	23.04	23.14		
15	1	74		23.09	23.10	23.18		
15	36	0		22.23	22.05	22.15		
15	36	20		22.14	22.11	22.25		
15	36	39		22.16	22.10	22.21		
15	75	0		22.13	22.12	22.22		
15	1	0	16-QAM	22.54	22.42	22.38	18.78	0.0755
15	1	37		22.40	22.38	22.47		
15	1	74		22.26	22.42	22.49		
15	36	0		21.16	21.13	21.25		
15	36	20		21.14	21.19	21.34		
15	36	39		21.11	21.19	21.33		
15	75	0		21.14	21.21	21.31		
15	1	0	64-QAM	21.38	21.33	21.32	17.68	0.0586
15	1	37		21.32	21.33	21.37		
15	1	74		21.17	21.35	21.44		
15	36	0		20.18	20.19	20.29		
15	36	20		20.17	20.23	20.34		
15	36	39		20.14	20.24	20.35		
15	75	0		20.14	20.16	20.29		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -3.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.22	23.13	23.09	19.46	0.0883
10	1	25		23.13	23.04	23.16		
10	1	49		23.18	23.08	23.14		
10	25	0		22.18	22.08	22.17		
10	25	12		22.21	22.11	22.18		
10	25	25		22.24	22.11	22.20		
10	50	0		22.21	22.08	22.16		
10	1	0	16-QAM	22.55	22.44	22.45	18.79	0.0757
10	1	25		22.48	22.38	22.51		
10	1	49		22.51	22.42	22.48		
10	25	0		21.26	21.15	21.22		
10	25	12		21.28	21.20	21.32		
10	25	25		21.28	21.20	21.28		
10	50	0		21.27	21.17	21.25		
10	1	0	64-QAM	21.47	21.33	21.34	17.71	0.0590
10	1	25		21.39	21.27	21.38		
10	1	49		21.39	21.31	21.44		
10	25	0		20.28	20.15	20.24		
10	25	12		20.33	20.20	20.28		
10	25	25		20.31	20.17	20.31		
10	50	0		20.33	20.20	20.27		
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = -3.76 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.15	23.00	23.04	19.47	0.0885
5	1	12		23.23	23.03	23.16		
5	1	24		23.15	23.03	23.11		
5	12	0		22.25	22.03	22.17		
5	12	7		22.22	22.09	22.18		
5	12	13		22.19	22.06	22.16		
5	25	0		22.17	22.05	22.15		
5	1	0	16-QAM	22.57	22.33	22.41	18.81	0.0760
5	1	12		22.54	22.36	22.44		
5	1	24		22.45	22.37	22.42		
5	12	0		21.33	21.11	21.24		
5	12	7		21.29	21.16	21.27		
5	12	13		21.26	21.15	21.25		
5	25	0		21.26	21.12	21.24		
5	1	0	64-QAM	21.49	21.24	21.34	17.73	0.0593
5	1	12		21.48	21.29	21.39		
5	1	24		21.39	21.27	21.37		
5	12	0		20.41	20.16	20.30		
5	12	7		20.35	20.22	20.33		
5	12	13		20.30	20.20	20.30		
5	25	0		20.26	20.15	20.26		
Limit	EIRP < 2W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.60	23.65	23.73	8.77	0.0075
10	1	25		23.72	23.78	23.74		
10	1	49		23.83	23.79	23.75		
10	25	0		22.76	22.82	22.75		
10	25	12		22.89	22.83	22.78		
10	25	25		22.86	22.82	22.76		
10	50	0		22.85	22.81	22.76		
10	1	0	16-QAM	22.94	22.94	22.93	7.94	0.0062
10	1	25		22.99	22.92	23.00		
10	1	49		22.93	22.95	22.91		
10	25	0		21.83	21.86	21.79		
10	25	12		21.93	21.88	21.86		
10	25	25		21.90	21.90	21.83		
10	50	0		21.91	21.88	21.82		
10	1	0	64-QAM	21.89	21.88	21.93	6.94	0.0049
10	1	25		21.93	21.94	21.98		
10	1	49		21.95	22.00	21.98		
10	25	0		20.83	20.85	20.83		
10	25	12		20.92	20.91	20.88		
10	25	25		20.91	20.89	20.84		
10	50	0		20.92	20.90	20.82		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.62	23.59	23.67	8.70	0.0074
5	1	12		23.71	23.73	23.65		
5	1	24		23.73	23.76	23.65		
5	12	0		22.75	22.74	22.70		
5	12	7		22.79	22.79	22.74		
5	12	13		22.76	22.76	22.70		
5	25	0		22.78	22.78	22.69		
5	1	0	16-QAM	22.91	22.88	22.96	7.94	0.0062
5	1	12		23.00	22.97	22.98		
5	1	24		22.97	22.95	22.93		
5	12	0		21.83	21.77	21.78		
5	12	7		21.86	21.82	21.80		
5	12	13		21.84	21.83	21.77		
5	25	0		21.83	21.80	21.77		
5	1	0	64-QAM	21.86	21.84	21.94	6.92	0.0049
5	1	12		21.97	21.94	21.95		
5	1	24		21.95	21.98	21.88		
5	12	0		20.87	20.83	20.83		
5	12	7		20.91	20.86	20.85		
5	12	13		20.87	20.88	20.82		
5	25	0		20.82	20.82	20.76		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.58	23.68	23.63	8.67	0.0074
3	1	8		23.64	23.73	23.67		
3	1	14		23.72	23.72	23.65		
3	8	0		22.63	22.73	22.66		
3	8	4		22.68	22.77	22.69		
3	8	7		22.76	22.75	22.69		
3	15	0		22.76	22.75	22.68		
3	1	0	16-QAM	22.94	22.94	22.93	7.94	0.0062
3	1	8		22.94	22.96	22.96		
3	1	14		23.00	23.00	22.88		
3	8	0		21.75	21.78	21.76		
3	8	4		21.77	21.86	21.78		
3	8	7		21.84	21.85	21.75		
3	15	0		21.84	21.84	21.77		
3	1	0	64-QAM	21.86	21.89	21.91	6.92	0.0049
3	1	8		21.91	21.91	21.90		
3	1	14		21.98	21.96	21.86		
3	8	0		20.76	20.80	20.77		
3	8	4		20.80	20.84	20.80		
3	8	7		20.88	20.88	20.80		
3	15	0		20.83	20.81	20.78		
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.55	23.64	23.54	8.68	0.0074
1.4	1	3		23.63	23.74	23.62		
1.4	1	5		23.53	23.63	23.55		
1.4	3	0		23.59	23.68	23.62		
1.4	3	1		23.64	23.73	23.66		
1.4	3	3		23.61	23.70	23.62		
1.4	6	0		22.59	22.71	22.63		
1.4	1	0	16-QAM	22.84	22.86	22.83	7.91	0.0062
1.4	1	3		22.95	22.97	22.88		
1.4	1	5		22.85	22.91	22.86		
1.4	3	0		22.66	22.70	22.64		
1.4	3	1		22.70	22.77	22.68		
1.4	3	3		22.63	22.72	22.62		
1.4	6	0		21.72	21.81	21.74		
1.4	1	0	64-QAM	21.81	21.83	21.80	6.86	0.0049
1.4	1	3		21.85	21.90	21.86		
1.4	1	5		21.77	21.86	21.79		
1.4	3	0		21.81	21.86	21.77		
1.4	3	1		21.83	21.92	21.82		
1.4	3	3		21.78	21.88	21.80		
1.4	6	0		20.66	20.75	20.67		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.67	23.65	23.64	8.74	0.0075
10	1	25		23.70	23.68	23.64		
10	1	49		23.80	23.79	23.77		
10	25	0		22.73	22.71	22.69		
10	25	12		22.75	22.73	22.72		
10	25	25		22.72	22.71	22.72		
10	50	0		22.71	22.71	22.69		
10	1	0	16-QAM	22.92	22.90	22.89	7.94	0.0062
10	1	25		22.97	22.99	22.99		
10	1	49		23.00	22.91	22.95		
10	25	0		21.75	21.77	21.74		
10	25	12		21.81	21.82	21.77		
10	25	25		21.82	21.78	21.76		
10	50	0		21.80	21.76	21.79		
10	1	0	64-QAM	21.83	21.83	21.83	6.91	0.0049
10	1	25		21.91	21.93	21.87		
10	1	49		21.97	21.93	21.93		
10	25	0		20.75	20.75	20.74		
10	25	12		20.83	20.83	20.78		
10	25	25		20.83	20.79	20.80		
10	50	0		20.81	20.79	20.79		
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = -12.91 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.68	23.63	23.61	8.66	0.0073
5	1	12		23.70	23.65	23.72		
5	1	24		23.72	23.64	23.71		
5	12	0		22.73	22.69	22.65		
5	12	7		22.78	22.71	22.67		
5	12	13		22.75	22.69	22.74		
5	25	0		22.77	22.71	22.67		
5	1	0	16-QAM	22.93	22.88	22.94	7.94	0.0062
5	1	12		22.93	22.98	23.00		
5	1	24		22.98	22.97	22.96		
5	12	0		21.77	21.75	21.72		
5	12	7		21.79	21.79	21.73		
5	12	13		21.78	21.77	21.81		
5	25	0		21.82	21.76	21.72		
5	1	0	64-QAM	21.88	21.84	21.88	6.92	0.0049
5	1	12		21.90	21.92	21.98		
5	1	24		21.90	21.90	21.90		
5	12	0		20.82	20.81	20.79		
5	12	7		20.86	20.86	20.80		
5	12	13		20.85	20.85	20.88		
5	25	0		20.79	20.78	20.73		
Limit	ERP < 3W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -8.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.63	23.61	23.69	13.07	0.0203
15	1	37		23.74	23.46	23.67		
15	1	74		23.67	23.62	23.66		
15	36	0		22.72	22.89	22.67		
15	36	20		22.78	22.84	22.67		
15	36	39		22.72	22.94	22.72		
15	75	0		22.73	22.87	22.47		
15	1	0	16-QAM	22.81	23.03	23.00	12.48	0.0177
15	1	37		22.99	23.15	22.89		
15	1	74		23.00	22.97	22.99		
15	36	0		21.77	21.94	21.75		
15	36	20		21.82	21.75	21.70		
15	36	39		21.78	21.87	21.76		
15	75	0		21.80	21.89	21.76		
15	1	0	64-QAM	21.81	21.67	21.95	11.38	0.0137
15	1	37		21.98	22.05	21.87		
15	1	74		21.93	21.98	21.92		
15	36	0		20.82	21.03	20.79		
15	36	20		20.88	20.68	20.76		
15	36	39		20.80	20.72	20.81		
15	75	0		20.82	20.96	20.80		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -8.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.63	23.63	23.72	13.05	0.0202
10	1	25		23.59	23.64	23.68		
10	1	49		23.62	23.71	23.66		
10	25	0		22.55	22.66	22.78		
10	25	12		22.65	22.67	22.80		
10	25	25		22.62	22.74	22.76		
10	50	0		22.81	22.77	22.77		
10	1	0	16-QAM	22.84	22.83	22.93	12.31	0.0170
10	1	25		22.83	22.94	22.89		
10	1	49		22.98	22.96	22.98		
10	25	0		21.66	21.71	21.81		
10	25	12		21.81	21.78	21.79		
10	25	25		21.77	21.76	21.77		
10	50	0		21.77	21.79	21.82		
10	1	0	64-QAM	21.85	21.67	21.97	11.31	0.0135
10	1	25		21.89	21.94	21.85		
10	1	49		21.86	21.98	21.92		
10	25	0		20.70	20.84	20.83		
10	25	12		20.78	20.80	20.84		
10	25	25		20.86	20.71	20.82		
10	50	0		20.80	20.77	20.84		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -8.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.65	23.68	23.66	13.12	0.0205
5	1	12		23.62	23.79	23.69		
5	1	24		23.59	23.74	23.65		
5	12	0		22.67	22.79	22.71		
5	12	7		22.64	22.81	22.74		
5	12	13		22.60	22.63	22.73		
5	25	0		22.64	22.69	22.74		
5	1	0	16-QAM	22.88	22.99	22.85	12.35	0.0172
5	1	12		23.01	22.90	22.93		
5	1	24		22.94	23.02	23.00		
5	12	0		21.62	21.77	21.75		
5	12	7		21.72	21.91	21.81		
5	12	13		21.75	21.87	21.78		
5	25	0		21.74	21.81	21.75		
5	1	0	64-QAM	21.96	21.99	21.84	11.32	0.0136
5	1	12		21.92	21.87	21.88		
5	1	24		21.98	21.95	21.91		
5	12	0		20.79	20.91	20.80		
5	12	7		20.88	20.88	20.85		
5	12	13		20.82	20.93	20.83		
5	25	0		20.68	20.89	20.80		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -8.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.68	23.68	23.61	13.15	0.0207
3	1	8		23.72	23.82	23.65		
3	1	14		23.62	23.79	23.64		
3	8	0		22.66	22.72	22.72		
3	8	4		22.67	22.80	22.71		
3	8	7		22.59	22.68	22.72		
3	15	0		22.60	22.82	22.71		
3	1	0	16-QAM	22.97	23.03	22.88	12.36	0.0172
3	1	8		22.89	22.89	22.98		
3	1	14		22.86	23.02	22.95		
3	8	0		21.73	21.83	21.79		
3	8	4		21.75	21.91	21.84		
3	8	7		21.80	21.90	21.81		
3	15	0		21.86	21.85	21.81		
3	1	0	64-QAM	21.89	21.95	21.86	11.28	0.0134
3	1	8		21.93	21.93	21.91		
3	1	14		21.89	21.94	21.88		
3	8	0		20.83	20.81	20.82		
3	8	4		20.72	20.86	20.88		
3	8	7		20.70	20.94	20.81		
3	15	0		20.80	20.94	20.79		
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Maximum Average Power [dBm] (GT - LC = -8.52 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.63	23.76	23.57	13.09	0.0204
1.4	1	3		23.68	23.65	23.64		
1.4	1	5		23.57	23.72	23.55		
1.4	3	0		23.50	23.73	23.63		
1.4	3	1		23.67	23.73	23.68		
1.4	3	3		23.52	23.59	23.61		
1.4	6	0		22.74	22.67	22.63		
1.4	1	0	16-QAM	22.89	22.89	22.87	12.36	0.0172
1.4	1	3		22.88	22.99	22.98		
1.4	1	5		22.83	23.03	22.90		
1.4	3	0		22.65	22.74	22.70		
1.4	3	1		22.79	22.71	22.79		
1.4	3	3		22.66	22.74	22.69		
1.4	6	0		21.86	21.79	21.79		
1.4	1	0	64-QAM	21.86	21.81	21.85	11.37	0.0137
1.4	1	3		21.84	22.04	21.91		
1.4	1	5		21.83	21.94	21.81		
1.4	3	0		21.90	21.95	21.84		
1.4	3	1		21.87	21.82	21.91		
1.4	3	3		21.87	21.86	21.84		
1.4	6	0		20.70	20.81	20.74		
Limit	ERP < 7W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.55	22.92	22.93	20.03	0.1007
20	1	49		22.87	23.13	22.85		
20	1	99		22.98	22.97	22.75		
20	50	0		21.74	22.09	21.97		
20	50	24		21.90	22.13	22.01		
20	50	50		21.97	22.13	21.93		
20	100	0		21.88	22.13	22.01		
20	1	0	16-QAM	21.81	22.06	22.04	19.14	0.0820
20	1	49		22.05	22.24	21.99		
20	1	99		22.09	22.10	21.87		
20	50	0		20.89	21.18	21.09		
20	50	24		20.99	21.22	21.12		
20	50	50		21.08	21.24	21.03		
20	100	0		20.97	21.19	21.07		
20	1	0	64-QAM	20.47	20.76	20.77	17.86	0.0611
20	1	49		20.76	20.96	20.76		
20	1	99		20.81	20.83	20.61		
20	50	0		19.86	20.16	20.07		
20	50	24		20.00	20.21	20.11		
20	50	50		20.07	20.21	20.01		
20	100	0		19.98	20.20	20.09		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.63	23.00	22.96	20.01	0.1002
15	1	37		22.74	23.11	22.86		
15	1	74		22.86	22.98	22.74		
15	36	0		21.79	22.13	21.98		
15	36	20		21.94	22.14	21.96		
15	36	39		21.89	22.13	21.91		
15	75	0		21.87	22.11	21.91		
15	1	0	16-QAM	21.81	22.10	22.08	19.11	0.0815
15	1	37		21.93	22.21	22.03		
15	1	74		22.02	22.09	21.90		
15	36	0		20.87	21.17	21.06		
15	36	20		21.05	21.21	21.02		
15	36	39		21.00	21.20	21.00		
15	75	0		21.03	21.21	21.00		
15	1	0	64-QAM	20.53	20.81	20.82	17.83	0.0607
15	1	37		20.63	20.93	20.80		
15	1	74		20.71	20.84	20.63		
15	36	0		19.89	20.18	20.09		
15	36	20		20.03	20.22	20.02		
15	36	39		20.01	20.17	19.98		
15	75	0		20.01	20.20	20.01		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.69	23.04	22.83	20.00	0.1000
10	1	25		22.67	23.10	22.87		
10	1	49		22.80	22.95	22.76		
10	25	0		21.71	22.05	21.90		
10	25	12		21.75	22.10	21.94		
10	25	25		21.86	22.11	21.88		
10	50	0		21.73	22.08	21.90		
10	1	0	16-QAM	21.85	22.21	22.02	19.11	0.0815
10	1	25		21.92	22.20	21.99		
10	1	49		21.98	22.06	21.91		
10	25	0		20.86	21.18	20.98		
10	25	12		20.88	21.17	21.01		
10	25	25		20.93	21.19	21.00		
10	50	0		20.87	21.20	21.03		
10	1	0	64-QAM	20.60	20.91	20.79	17.84	0.0608
10	1	25		20.64	20.94	20.79		
10	1	49		20.73	20.82	20.65		
10	25	0		19.83	20.18	20.02		
10	25	12		19.88	20.21	20.05		
10	25	25		20.01	20.19	20.01		
10	50	0		19.84	20.16	20.01		
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.52	22.89	22.90	19.99	0.0998
5	1	12		22.83	23.09	22.85		
5	1	24		22.96	22.96	22.65		
5	12	0		21.64	22.03	21.97		
5	12	7		21.85	22.04	21.99		
5	12	13		21.95	22.07	21.91		
5	25	0		21.83	22.03	21.92		
5	1	0	16-QAM	21.72	22.04	21.94	19.10	0.0813
5	1	12		22.00	22.20	21.90		
5	1	24		22.00	22.02	21.86		
5	12	0		20.86	21.14	21.06		
5	12	7		20.91	21.19	21.03		
5	12	13		20.98	21.18	20.94		
5	25	0		20.89	21.15	21.05		
5	1	0	64-QAM	20.38	20.74	20.77	17.81	0.0604
5	1	12		20.70	20.91	20.72		
5	1	24		20.80	20.75	20.59		
5	12	0		19.76	20.06	20.01		
5	12	7		19.93	20.15	20.01		
5	12	13		20.01	20.16	19.97		
5	25	0		19.90	20.19	20.07		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	25.18	25.22	24.36	22.20	0.1660
20	1	49		25.29	25.29	24.31		
20	1	99		25.24	25.30	24.20		
20	50	0		22.70	24.41	23.46		
20	50	24		22.76	24.44	23.61		
20	50	50		22.75	24.42	23.53		
20	100	0		22.72	24.47	23.54		
20	1	0	16-QAM	22.76	24.51	23.64	21.50	0.1413
20	1	49		22.76	24.58	23.65		
20	1	99		22.77	24.60	23.58		
20	50	0		22.50	23.50	22.62		
20	50	24		22.50	23.56	22.64		
20	50	50		22.50	23.56	22.74		
20	100	0		22.47	23.56	22.70		
20	1	0	64-QAM	21.86	23.48	22.67	20.43	0.1104
20	1	49		21.89	23.53	22.69		
20	1	99		21.85	23.49	22.62		
20	50	0		21.97	22.52	21.71		
20	50	24		21.99	22.56	21.75		
20	50	50		21.94	22.58	21.70		
20	100	0		21.97	22.55	21.70		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.99	25.32	24.39	22.22	0.1667
15	1	37		25.04	25.31	24.36		
15	1	74		25.04	25.30	24.32		
15	36	0		23.06	24.40	23.45		
15	36	20		23.10	24.45	23.56		
15	36	39		23.08	24.42	23.48		
15	75	0		23.09	24.42	23.51		
15	1	0	16-QAM	22.72	24.55	23.66	21.51	0.1416
15	1	37		22.70	24.61	23.66		
15	1	74		22.70	24.57	23.55		
15	36	0		22.56	23.52	22.53		
15	36	20		22.59	23.55	22.59		
15	36	39		22.57	23.55	22.58		
15	75	0		22.66	23.55	22.69		
15	1	0	64-QAM	23.07	23.50	22.68	20.41	0.1099
15	1	37		23.07	23.51	22.68		
15	1	74		23.07	23.51	22.63		
15	36	0		22.07	22.59	21.69		
15	36	20		22.11	22.63	21.70		
15	36	39		22.06	22.58	21.70		
15	75	0		22.15	22.56	21.73		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.94	25.22	24.32	22.17	0.1648
10	1	25		24.96	25.23	24.26		
10	1	49		25.00	25.27	24.20		
10	25	0		22.73	24.37	23.36		
10	25	12		22.80	24.41	23.34		
10	25	25		22.77	24.39	23.37		
10	50	0		22.79	24.43	23.45		
10	1	0	16-QAM	22.73	24.60	23.58	21.50	0.1413
10	1	25		22.88	24.52	23.53		
10	1	49		22.88	24.54	23.44		
10	25	0		22.61	23.52	22.51		
10	25	12		22.65	23.55	22.55		
10	25	25		22.63	23.53	22.51		
10	50	0		22.65	23.56	22.54		
10	1	0	64-QAM	23.08	23.51	22.50	20.41	0.1099
10	1	25		23.06	23.45	22.49		
10	1	49		23.06	23.47	22.40		
10	25	0		22.14	22.59	21.69		
10	25	12		22.15	22.62	21.71		
10	25	25		22.12	22.60	21.65		
10	50	0		22.11	22.54	21.62		
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -3.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	25.03	25.23	24.46	22.15	0.1641
5	1	12		24.99	25.25	24.47		
5	1	24		24.93	25.22	24.38		
5	12	0		24.07	24.39	23.51		
5	12	7		24.08	24.43	23.57		
5	12	13		24.08	24.40	23.58		
5	25	0		24.03	24.36	23.57		
5	1	0	16-QAM	24.13	24.57	23.69	21.47	0.1403
5	1	12		24.15	24.55	23.71		
5	1	24		24.15	24.55	23.62		
5	12	0		23.10	23.54	22.69		
5	12	7		23.11	23.56	22.72		
5	12	13		23.11	23.53	22.70		
5	25	0		23.09	23.52	22.74		
5	1	0	64-QAM	23.05	23.52	22.72	20.42	0.1102
5	1	12		23.09	23.50	22.70		
5	1	24		23.06	23.49	22.65		
5	12	0		22.10	22.56	21.74		
5	12	7		22.12	22.61	21.73		
5	12	13		22.11	22.57	21.81		
5	25	0		22.10	22.57	21.80		
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.18	23.27	23.00	12.23	0.0167
20	1	49		23.10	23.11	23.10		
20	1	99		23.00	23.16	23.06		
20	50	0		22.12	22.17	22.13		
20	50	24		22.17	22.21	22.11		
20	50	50		22.06	22.16	22.19		
20	100	0		22.13	22.16	22.12		
20	1	0	16-QAM	22.76	22.70	22.13	11.72	0.0149
20	1	49		22.45	22.54	22.37		
20	1	99		22.29	22.50	22.17		
20	50	0		21.37	21.32	21.16		
20	50	24		21.37	21.35	21.22		
20	50	50		21.23	21.30	21.28		
20	100	0		21.33	21.27	21.14		
20	1	0	64-QAM	21.70	21.63	21.13	10.66	0.0116
20	1	49		21.55	21.53	21.36		
20	1	99		21.28	21.43	21.19		
20	50	0		20.38	20.31	20.17		
20	50	24		20.40	20.33	20.24		
20	50	50		20.29	20.30	20.33		
20	100	0		20.36	20.26	20.18		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.31	23.24	23.01	12.27	0.0169
15	1	37		23.30	23.13	23.13		
15	1	74		23.09	23.11	23.11		
15	36	0		22.34	22.19	22.14		
15	36	20		22.27	22.24	22.26		
15	36	39		22.24	22.18	22.21		
15	75	0		22.22	22.20	22.13		
15	1	0	16-QAM	22.78	22.61	22.22	11.74	0.0149
15	1	37		22.72	22.62	22.46		
15	1	74		22.37	22.48	22.21		
15	36	0		21.49	21.39	21.21		
15	36	20		21.42	21.40	21.36		
15	36	39		21.38	21.33	21.31		
15	75	0		21.39	21.38	21.21		
15	1	0	64-QAM	21.69	21.60	21.22	10.65	0.0116
15	1	37		21.66	21.53	21.46		
15	1	74		21.34	21.44	21.24		
15	36	0		20.54	20.39	20.29		
15	36	20		20.47	20.45	20.44		
15	36	39		20.41	20.37	20.36		
15	75	0		20.41	20.36	20.26		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.25	23.17	23.12	12.29	0.0169
10	1	25		23.33	23.10	23.13		
10	1	49		23.18	23.04	23.10		
10	25	0		22.30	22.15	22.21		
10	25	12		22.33	22.16	22.23		
10	25	25		22.20	22.13	22.19		
10	50	0		22.19	22.13	22.19		
10	1	0	16-QAM	22.72	22.57	22.41	11.68	0.0147
10	1	25		22.71	22.56	22.47		
10	1	49		22.54	22.47	22.24		
10	25	0		21.43	21.32	21.30		
10	25	12		21.47	21.32	21.31		
10	25	25		21.33	21.28	21.26		
10	50	0		21.36	21.29	21.29		
10	1	0	64-QAM	21.65	21.58	21.38	10.66	0.0116
10	1	25		21.70	21.48	21.42		
10	1	49		21.51	21.43	21.21		
10	25	0		20.48	20.31	20.33		
10	25	12		20.49	20.37	20.33		
10	25	25		20.35	20.31	20.30		
10	50	0		20.38	20.30	20.31		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.23	23.00	23.11	12.21	0.0166
5	1	12		23.24	23.05	23.15		
5	1	24		23.25	23.08	23.13		
5	12	0		22.29	22.20	22.22		
5	12	7		22.35	22.21	22.25		
5	12	13		22.31	22.18	22.21		
5	25	0		22.28	22.14	22.20		
5	1	0	16-QAM	22.68	22.49	22.40	11.68	0.0147
5	1	12		22.72	22.55	22.34		
5	1	24		22.68	22.52	22.19		
5	12	0		21.49	21.36	21.29		
5	12	7		21.52	21.42	21.28		
5	12	13		21.48	21.39	21.21		
5	25	0		21.44	21.30	21.27		
5	1	0	64-QAM	21.68	21.51	21.41	10.65	0.0116
5	1	12		21.69	21.47	21.31		
5	1	24		21.65	21.47	21.21		
5	12	0		20.58	20.42	20.38		
5	12	7		20.58	20.46	20.38		
5	12	13		20.54	20.39	20.31		
5	25	0		20.47	20.34	20.30		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.22	23.04	23.11	12.27	0.0169
3	1	8		23.31	23.08	23.17		
3	1	14		23.23	23.05	23.17		
3	8	0		22.31	22.16	22.19		
3	8	4		22.34	22.18	22.26		
3	8	7		22.31	22.17	22.21		
3	15	0		22.28	22.16	22.26		
3	1	0	16-QAM	22.66	22.28	22.29	11.65	0.0146
3	1	8		22.68	22.31	22.27		
3	1	14		22.69	22.31	22.18		
3	8	0		21.52	21.17	21.25		
3	8	4		21.56	21.22	21.28		
3	8	7		21.52	21.18	21.24		
3	15	0		21.46	21.12	21.27		
3	1	0	64-QAM	21.64	21.25	21.29	10.61	0.0115
3	1	8		21.65	21.29	21.31		
3	1	14		21.65	21.30	21.21		
3	8	0		20.54	20.18	20.32		
3	8	4		20.60	20.22	20.34		
3	8	7		20.56	20.19	20.29		
3	15	0		20.48	20.09	20.31		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -11.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.12	23.00	23.15	12.26	0.0168
1.4	1	3		23.29	23.13	23.23		
1.4	1	5		23.20	23.03	23.15		
1.4	3	0		23.28	23.08	23.20		
1.4	3	1		23.30	23.01	23.24		
1.4	3	3		23.27	23.00	23.18		
1.4	6	0		22.25	22.03	22.23		
1.4	1	0	16-QAM	22.57	22.33	22.21	11.68	0.0147
1.4	1	3		22.72	22.48	22.26		
1.4	1	5		22.62	22.35	22.18		
1.4	3	0		22.41	22.15	22.09		
1.4	3	1		22.45	22.17	22.11		
1.4	3	3		22.32	22.14	22.07		
1.4	6	0		21.46	21.32	21.29		
1.4	1	0	64-QAM	21.64	21.43	21.26	10.63	0.0116
1.4	1	3		21.67	21.52	21.28		
1.4	1	5		21.61	21.43	21.19		
1.4	3	0		21.59	21.39	21.26		
1.4	3	1		21.65	21.45	21.29		
1.4	3	3		21.60	21.42	21.24		
1.4	6	0		20.40	20.28	20.26		
Limit	EIRP < 1W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -13.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.45	23.42	23.35	7.47	0.0056
20	1	49		23.49	23.39	23.39		
20	1	99		23.45	23.43	23.34		
20	50	0		22.61	22.47	22.40		
20	50	24		22.61	22.48	22.40		
20	50	50		22.55	22.42	22.42		
20	100	0		22.61	22.44	22.37		
20	1	0	16-QAM	22.73	22.65	22.66	6.78	0.0048
20	1	49		22.73	22.72	22.68		
20	1	99		22.80	22.71	22.62		
20	50	0		21.67	21.54	21.47		
20	50	24		21.65	21.56	21.48		
20	50	50		21.60	21.50	21.49		
20	100	0		21.63	21.51	21.41		
20	1	0	64-QAM	21.64	21.66	21.65	5.67	0.0037
20	1	49		21.69	21.60	21.61		
20	1	99		21.67	21.59	21.57		
20	50	0		20.64	20.52	20.47		
20	50	24		20.67	20.56	20.44		
20	50	50		20.64	20.50	20.51		
20	100	0		20.67	20.51	20.41		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -13.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.47	23.48	23.34	7.49	0.0056
15	1	37		23.44	23.46	23.41		
15	1	74		23.51	23.38	23.37		
15	36	0		22.52	22.51	22.38		
15	36	20		22.62	22.53	22.39		
15	36	39		22.57	22.49	22.43		
15	75	0		22.63	22.48	22.39		
15	1	0	16-QAM	22.75	22.74	22.65	6.81	0.0048
15	1	37		22.68	22.78	22.70		
15	1	74		22.83	22.67	22.69		
15	36	0		21.59	21.56	21.46		
15	36	20		21.69	21.62	21.47		
15	36	39		21.62	21.55	21.47		
15	75	0		21.64	21.56	21.47		
15	1	0	64-QAM	21.73	21.66	21.57	5.74	0.0037
15	1	37		21.66	21.71	21.61		
15	1	74		21.76	21.61	21.58		
15	36	0		20.60	20.60	20.49		
15	36	20		20.70	20.63	20.50		
15	36	39		20.68	20.59	20.50		
15	75	0		20.69	20.56	20.46		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -13.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.54	23.54	23.42	7.52	0.0056
10	1	25		23.50	23.48	23.40		
10	1	49		23.45	23.46	23.37		
10	25	0		22.56	22.56	22.46		
10	25	12		22.60	22.57	22.47		
10	25	25		22.55	22.54	22.42		
10	50	0		22.56	22.54	22.44		
10	1	0	16-QAM	22.80	22.76	22.72	6.80	0.0048
10	1	25		22.78	22.82	22.71		
10	1	49		22.73	22.78	22.69		
10	25	0		21.64	21.62	21.50		
10	25	12		21.63	21.64	21.54		
10	25	25		21.58	21.60	21.49		
10	50	0		21.63	21.61	21.51		
10	1	0	64-QAM	21.72	21.72	21.66	5.72	0.0037
10	1	25		21.73	21.74	21.64		
10	1	49		21.65	21.70	21.61		
10	25	0		20.64	20.64	20.52		
10	25	12		20.63	20.66	20.55		
10	25	25		20.60	20.59	20.51		
10	50	0		20.64	20.63	20.51		
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = -13.87 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.48	23.37	23.38	7.52	0.0056
5	1	12		23.54	23.49	23.36		
5	1	24		23.47	23.40	23.33		
5	12	0		22.57	22.50	22.40		
5	12	7		22.61	22.53	22.41		
5	12	13		22.54	22.48	22.38		
5	25	0		22.56	22.52	22.41		
5	1	0	16-QAM	22.74	22.74	22.64	6.81	0.0048
5	1	12		22.83	22.80	22.68		
5	1	24		22.79	22.73	22.63		
5	12	0		21.65	21.58	21.47		
5	12	7		21.67	21.59	21.50		
5	12	13		21.63	21.57	21.44		
5	25	0		21.64	21.61	21.45		
5	1	0	64-QAM	21.72	21.71	21.61	5.75	0.0038
5	1	12		21.77	21.72	21.62		
5	1	24		21.71	21.64	21.56		
5	12	0		20.71	20.61	20.52		
5	12	7		20.72	20.62	20.55		
5	12	13		20.67	20.60	20.50		
5	25	0		20.63	20.57	20.46		
Limit	ERP < 3W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -3.76 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.93	21.75	21.76	19.71	0.0935
20+20	1	0	1	99		15.56	15.49	15.38		
20+20	1	99	1	0		23.40	23.36	23.47		
20+20	100	0	100	0	16-QAM	20.97	20.88	20.79	19.33	0.0857
20+20	1	0	1	99		15.80	15.77	15.69		
20+20	1	99	1	0		23.06	22.96	23.09		
20+20	100	0	100	0	64-QAM	20.88	20.81	20.80	17.23	0.0528
20+20	1	0	1	99		15.86	15.78	15.80		
20+20	1	99	1	0		20.99	20.92	20.91		
20+15	100	0	75	0	QPSK	21.99	21.86	21.88	20.30	0.1072
20+15	1	0	1	74		15.57	15.43	15.37		
20+15	1	99	1	0		23.92	23.82	24.06		
20+15	100	0	75	0	16-QAM	21.04	20.90	20.97	19.51	0.0893
20+15	1	0	1	74		16.02	15.88	15.90		
20+15	1	99	1	0		23.11	23.09	23.27		
20+15	100	0	75	0	64-QAM	21.03	20.90	20.99	17.49	0.0561
20+15	1	0	1	74		15.88	15.74	15.66		
20+15	1	99	1	0		21.15	21.03	21.25		
15+20	75	0	100	0	QPSK	21.90	21.75	21.77	20.30	0.1072
15+20	1	0	1	99		15.59	15.41	15.30		
15+20	1	74	1	0		24.06	23.69	23.86		
15+20	75	0	100	0	16-QAM	20.99	20.82	20.87	19.49	0.0889
15+20	1	0	1	99		16.07	15.83	15.92		
15+20	1	74	1	0		23.25	23.10	23.22		
15+20	75	0	100	0	64-QAM	21.05	20.86	20.87	17.48	0.0560
15+20	1	0	1	99		15.91	15.66	15.66		
15+20	1	74	1	0		21.24	20.94	21.10		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -3.76 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	75	0	QPSK	21.85	21.71	21.83	20.17	0.1040
20+10	1	0	1	74		15.47	15.39	15.32		
20+10	1	99	1	0		23.79	23.75	23.93		
20+10	100	0	75	0	16-QAM	20.94	20.71	20.88	19.41	0.0873
20+10	1	0	1	74		16.05	15.75	15.74		
20+10	1	99	1	0		23.17	23.01	23.14		
20+10	100	0	75	0	64-QAM	20.88	20.79	20.91	17.43	0.0553
20+10	1	0	1	74		15.81	15.67	15.71		
20+10	1	99	1	0		20.98	21.00	21.19		
10+20	75	0	100	0	QPSK	21.92	21.80	21.81	20.26	0.1062
10+20	1	0	1	99		15.55	15.40	15.31		
10+20	1	74	1	0		24.02	23.82	23.88		
10+20	75	0	100	0	16-QAM	21.00	20.88	20.91	19.57	0.0906
10+20	1	0	1	99		16.09	15.88	15.72		
10+20	1	74	1	0		23.33	23.17	23.12		
10+20	75	0	100	0	64-QAM	21.10	20.87	20.94	17.51	0.0564
10+20	1	0	1	99		15.90	15.68	15.69		
10+20	1	74	1	0		21.27	21.16	21.11		
15+15	75	0	100	0	QPSK	21.99	21.71	21.87	19.83	0.0962
15+15	1	0	1	99		15.32	15.23	15.01		
15+15	1	74	1	0		23.59	23.40	23.54		
15+15	75	0	100	0	16-QAM	20.72	20.78	20.55	19.19	0.0830
15+15	1	0	1	99		15.83	15.67	15.46		
15+15	1	74	1	0		22.93	22.81	22.95		
15+15	75	0	100	0	64-QAM	20.61	20.80	20.50	17.09	0.0512
15+15	1	0	1	99		15.61	15.59	15.43		
15+15	1	74	1	0		20.85	20.77	20.81		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -3.76 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+10	75	0	100	0	QPSK	21.80	21.68	21.83	20.23	0.1054
15+10	1	0	1	99		15.49	15.34	15.27		
15+10	1	74	1	0		23.99	23.72	23.99		
15+10	75	0	100	0	16-QAM	20.89	20.72	20.91	19.43	0.0877
15+10	1	0	1	99		15.95	15.86	15.89		
15+10	1	74	1	0		23.19	23.19	23.19		
15+10	75	0	100	0	64-QAM	20.90	20.81	20.92	17.41	0.0551
15+10	1	0	1	99		15.89	15.64	15.63		
15+10	1	74	1	0		21.13	21.14	21.17		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -3.1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	21.52	21.79	21.69	20.63	0.1156
20+20	1	0	1	99		15.01	15.34	15.08		
20+20	1	99	1	0		23.49	23.73	23.39		
20+20	100	0	100	0	16-QAM	20.60	20.94	20.72	20.23	0.1054
20+20	1	0	1	99		15.54	15.86	15.58		
20+20	1	99	1	0		22.91	23.33	22.85		
20+20	100	0	100	0	64-QAM	20.56	20.93	20.66	18.00	0.0631
20+20	1	0	1	99		15.24	15.57	15.39		
20+20	1	99	1	0		20.64	21.10	20.73		
20+15	100	0	75	0	QPSK	21.56	21.78	21.67	20.58	0.1143
20+15	1	0	1	74		15.03	15.30	15.14		
20+15	1	99	1	0		23.55	23.68	23.51		
20+15	100	0	75	0	16-QAM	20.64	20.91	20.79	20.24	0.1057
20+15	1	0	1	74		15.58	15.81	15.68		
20+15	1	99	1	0		22.95	23.34	23.07		
20+15	100	0	75	0	64-QAM	20.61	20.90	20.79	18.03	0.0635
20+15	1	0	1	74		15.26	15.47	15.33		
20+15	1	99	1	0		20.68	21.13	20.85		
15+20	75	0	100	0	QPSK	21.43	21.73	21.67	20.51	0.1125
15+20	1	0	1	99		14.96	15.16	15.02		
15+20	1	74	1	0		23.49	23.61	23.52		
15+20	75	0	100	0	16-QAM	20.51	20.86	20.78	20.15	0.1035
15+20	1	0	1	99		15.48	18.16	15.57		
15+20	1	74	1	0		22.78	23.25	23.12		
15+20	75	0	100	0	64-QAM	20.50	20.84	20.78	17.94	0.0622
15+20	1	0	1	99		15.20	17.86	15.23		
15+20	1	74	1	0		20.49	21.04	20.88		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -3.1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	21.54	21.78	21.67	20.63	0.1156
20+10	1	0	1	49		14.98	15.28	15.19		
20+10	1	99	1	0		23.55	23.73	23.55		
20+10	100	0	50	0	16-QAM	20.62	20.92	20.78	20.27	0.1064
20+10	1	0	1	49		15.52	15.80	15.72		
20+10	1	99	1	0		22.95	23.37	23.02		
20+10	100	0	50	0	64-QAM	20.60	20.92	20.78	18.09	0.0644
20+10	1	0	1	49		15.22	15.48	15.38		
20+10	1	99	1	0		20.68	21.19	20.79		
10+20	50	0	100	0	QPSK	21.54	21.79	21.63	20.61	0.1151
10+20	1	0	1	99		15.01	15.30	15.17		
10+20	1	49	1	0		23.46	23.71	23.54		
10+20	50	0	100	0	16-QAM	20.64	20.94	20.77	20.30	0.1072
10+20	1	0	1	99		15.56	15.82	15.73		
10+20	1	49	1	0		22.88	23.40	23.18		
10+20	50	0	100	0	64-QAM	20.63	20.93	20.76	18.06	0.0640
10+20	1	0	1	99		15.24	15.47	15.38		
10+20	1	49	1	0		20.62	21.16	20.91		
20+5	100	0	25	0	QPSK	21.69	22.01	21.79	20.84	0.1213
20+5	1	0	1	24		15.07	15.51	15.24		
20+5	1	99	1	0		23.67	23.94	23.64		
20+5	100	0	25	0	16-QAM	20.75	21.13	20.89	20.42	0.1102
20+5	1	0	1	24		15.57	16.05	15.76		
20+5	1	99	1	0		23.06	23.52	23.15		
20+5	100	0	25	0	64-QAM	20.74	21.12	20.89	18.22	0.0664
20+5	1	0	1	24		15.23	15.75	15.45		
20+5	1	99	1	0		20.79	21.32	20.93		
Limit	EIRP < 2W					Result			Pass	

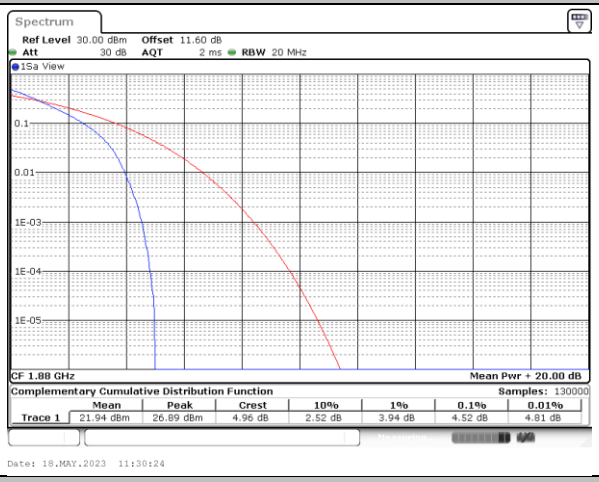
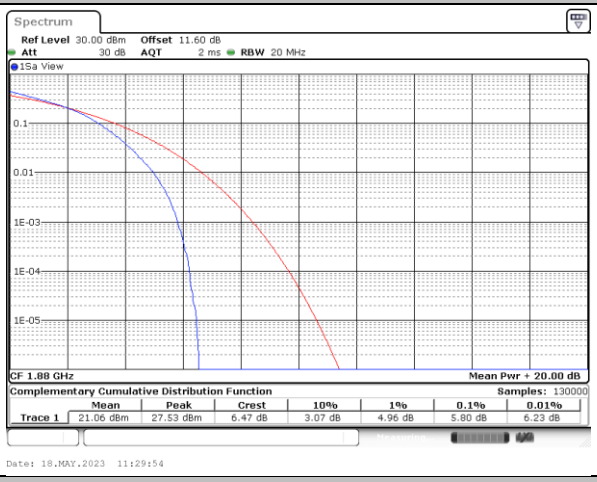
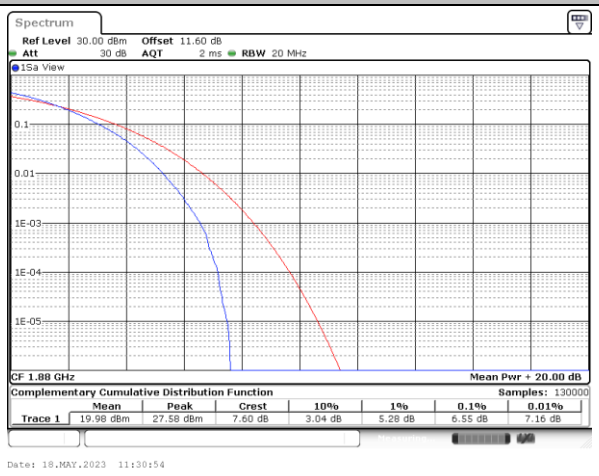
LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -3.1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	21.29	22.00	21.05	20.75	0.1189
5+20	1	0	1	99		14.67	15.38	14.46		
5+20	1	24	1	0		23.21	23.85	23.04		
5+20	25	0	100	0	16-QAM	20.29	20.91	20.10	20.31	0.1074
5+20	1	0	1	99		15.21	15.90	15.08		
5+20	1	24	1	0		22.59	23.41	22.44		
5+20	25	0	100	0	64-QAM	20.30	20.94	20.12	18.10	0.0646
5+20	1	0	1	99		14.91	15.64	14.82		
5+20	1	24	1	0		20.34	21.20	20.22		
15+10	75	0	50	0	QPSK	21.59	21.93	21.73	20.76	0.1191
15+10	1	0	1	49		15.01	15.40	15.20		
15+10	1	74	1	0		23.57	23.86	23.56		
15+10	75	0	50	0	16-QAM	20.66	21.06	20.85	20.41	0.1099
15+10	1	0	1	49		15.57	15.92	15.74		
15+10	1	74	1	0		22.94	23.51	23.06		
15+10	75	0	50	0	64-QAM	20.64	21.05	20.84	18.23	0.0665
15+10	1	0	1	49		15.25	15.62	15.43		
15+10	1	74	1	0		20.67	21.33	20.85		
10+15	50	0	75	0	QPSK	21.61	21.93	21.72	20.80	0.1202
10+15	1	0	1	74		15.08	15.46	15.24		
10+15	1	49	1	0		23.53	23.90	23.54		
10+15	50	0	75	0	16-QAM	20.70	21.08	20.85	20.51	0.1125
10+15	1	0	1	74		15.62	15.97	15.76		
10+15	1	49	1	0		22.94	23.61	23.12		
10+15	50	0	75	0	64-QAM	20.68	21.07	20.83	18.23	0.0665
10+15	1	0	1	74		15.30	15.64	-		
10+15	1	49	1	0		20.68	21.33	20.88		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -3.1 dB)										
15+15	75	0	75	0	QPSK	21.41	21.76	21.63	20.56	0.1138
15+15	1	0	1	74		14.88	15.26	15.09		
15+15	1	74	1	0		23.38	23.66	23.35		
15+15	75	0	75	0	16-QAM	20.48	20.93	20.76	20.18	0.1042
15+15	1	0	1	74		15.41	15.76	15.66		
15+15	1	74	1	0		22.78	23.28	22.77		
15+15	75	0	75	0	64-QAM	20.47	20.95	20.67	17.94	0.0622
15+15	1	0	1	74		15.11	15.48	15.31		
15+15	1	74	1	0		20.50	21.04	20.53		
Limit	EIRP < 2W					Result			Pass	

LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.80	6.55	PASS

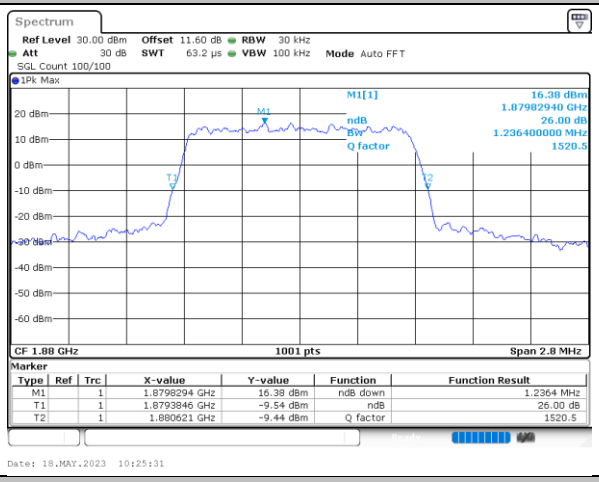
LTE Band 2 / 20MHz / QPSK	LTE Band 2 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 2 / 20MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

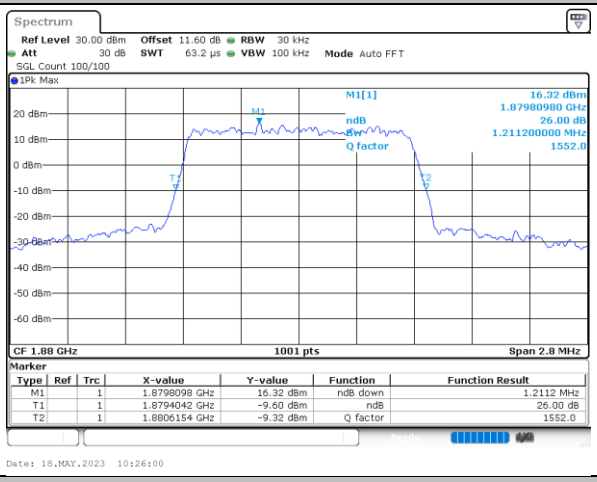
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.24	1.21	3.03	3.03	4.91	4.90	9.71	9.85	14.39	14.63	19.22	18.94
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.23	-	3.00	-	4.87	-	9.73	-	14.33	-	19.02	-

LTE Band 2

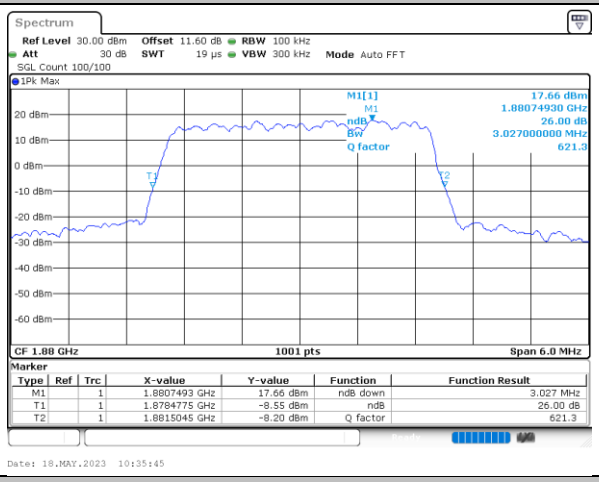
Middle Channel / 1.4MHz / QPSK



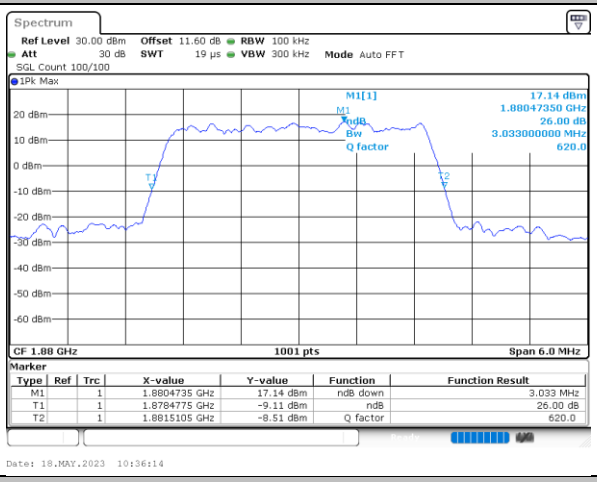
Middle Channel / 1.4MHz / 16QAM



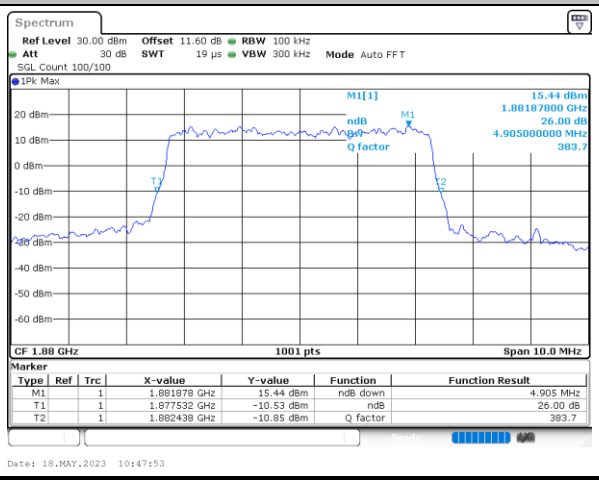
Middle Channel / 3MHz / QPSK



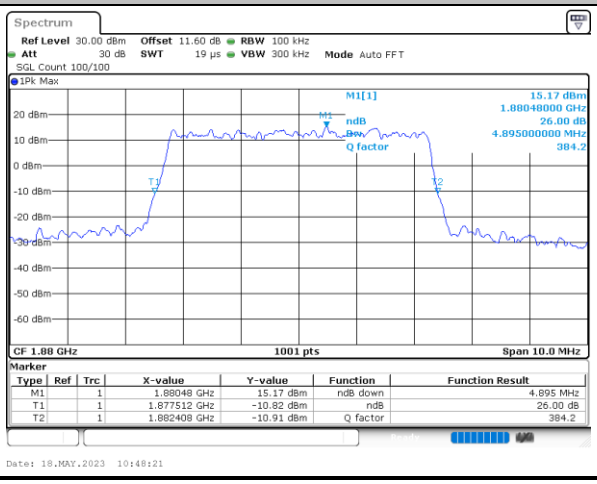
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

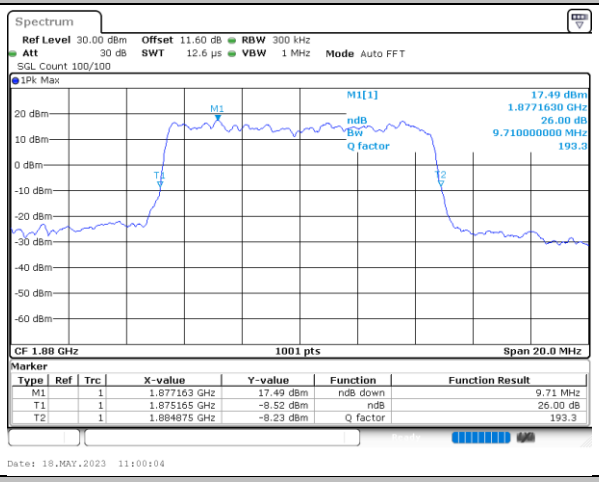


Middle Channel / 5MHz / 16QAM

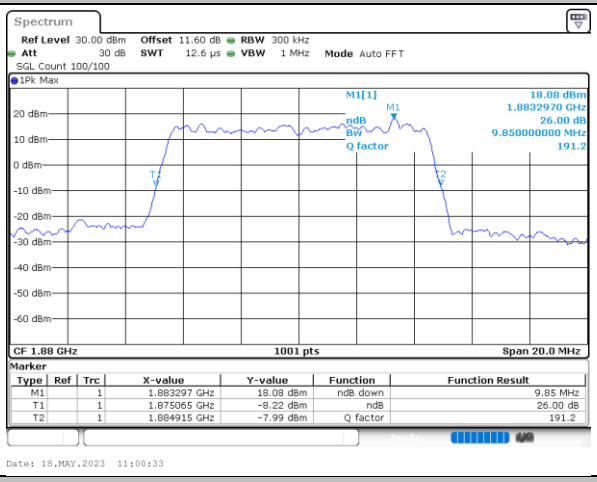


LTE Band 2

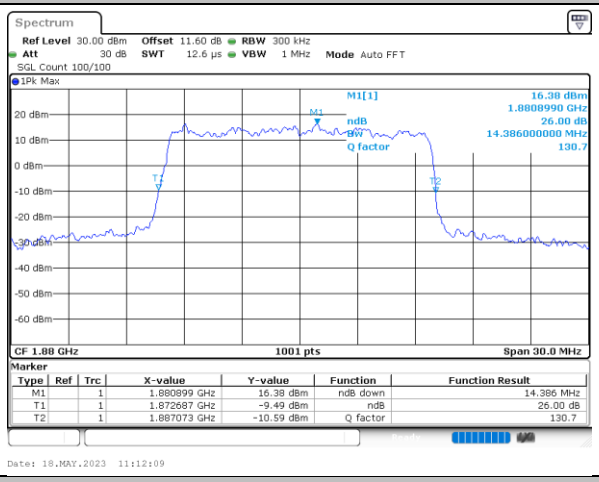
Middle Channel / 10MHz / QPSK



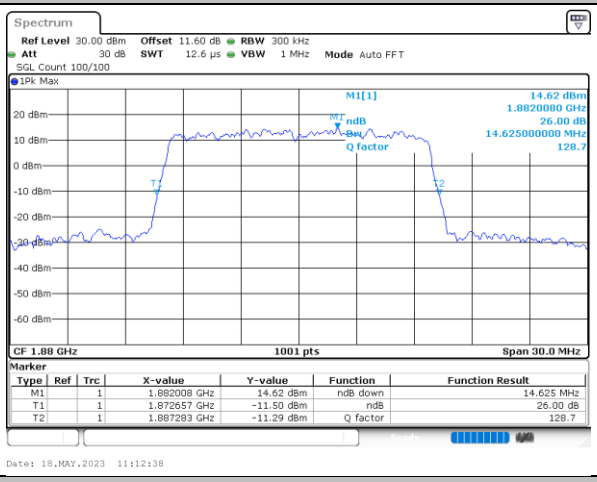
Middle Channel / 10MHz / 16QAM



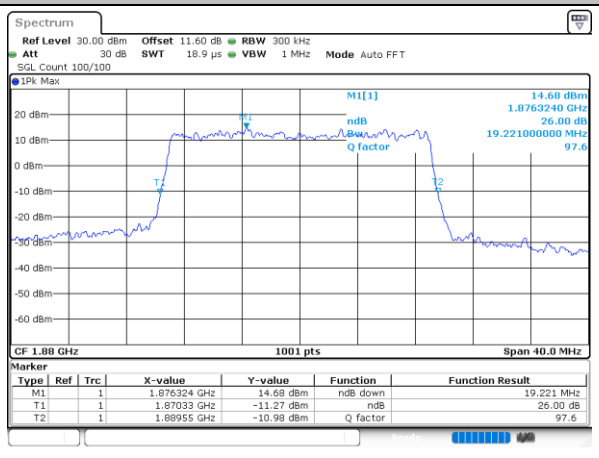
Middle Channel / 15MHz / QPSK



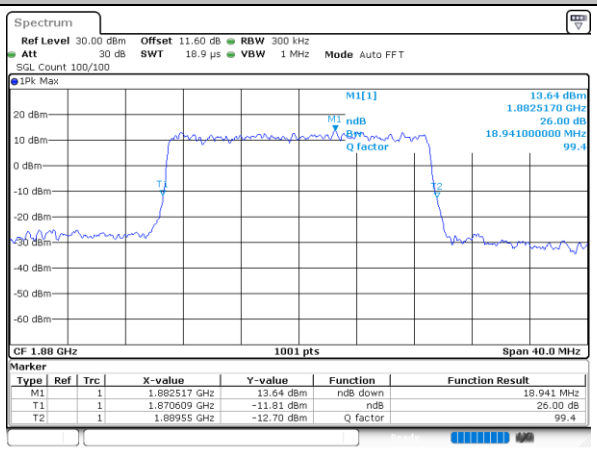
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

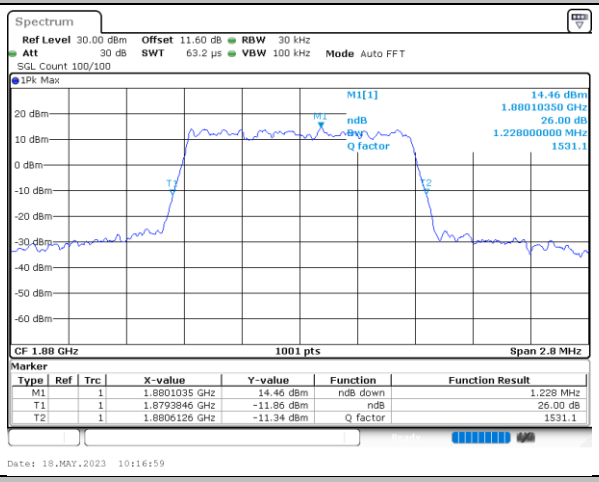


Middle Channel / 20MHz / 16QAM

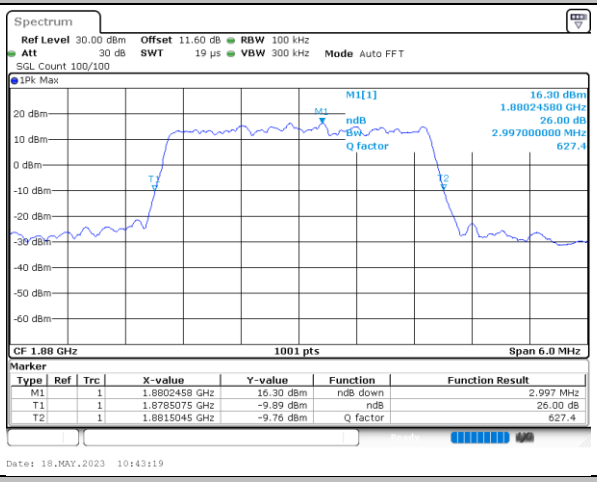


LTE Band 2

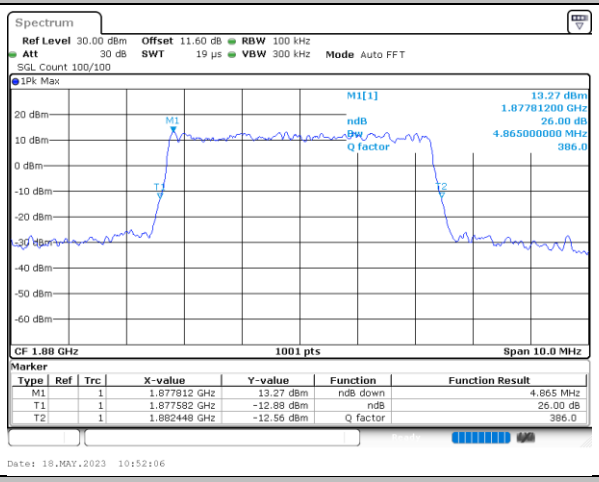
Middle Channel / 1.4MHz / 64QAM



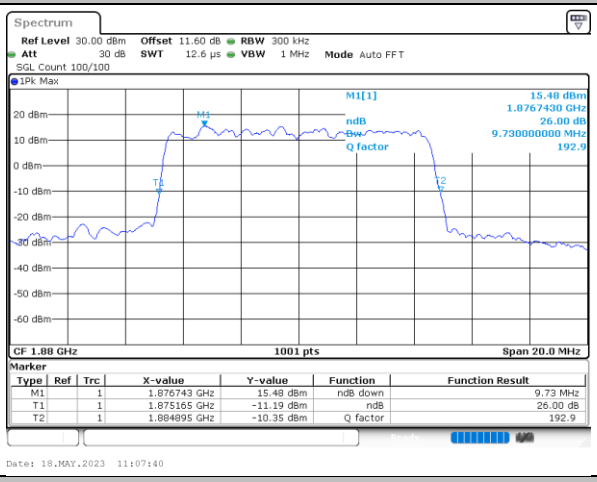
Middle Channel / 3MHz / 64QAM



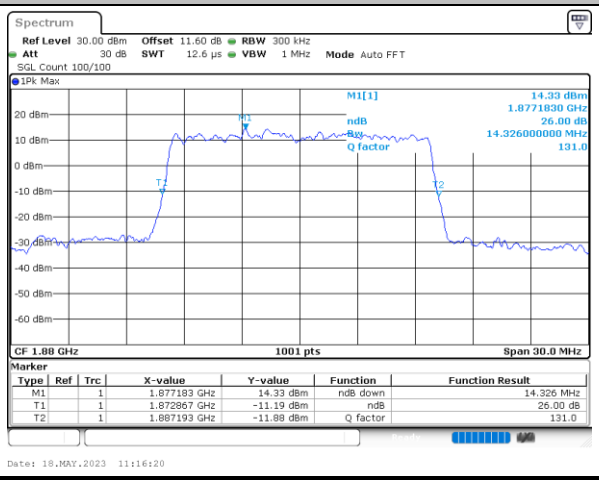
Middle Channel / 5MHz / 64QAM



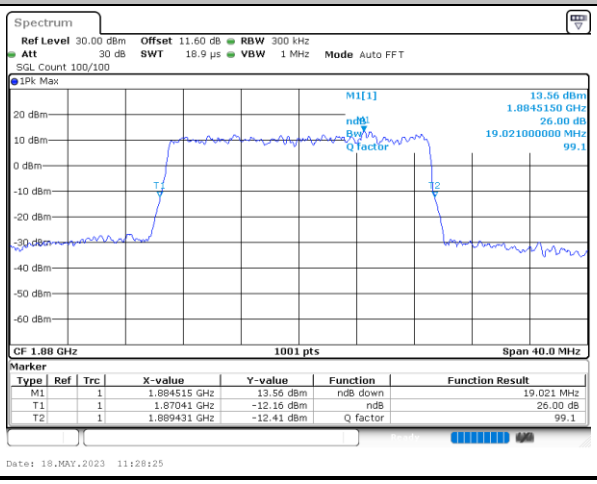
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

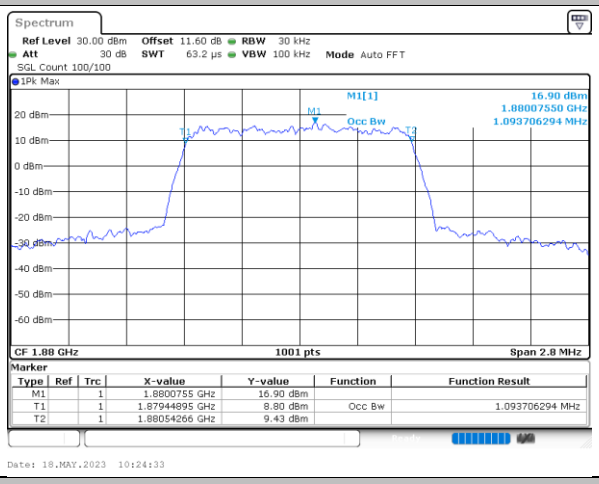


Occupied Bandwidth

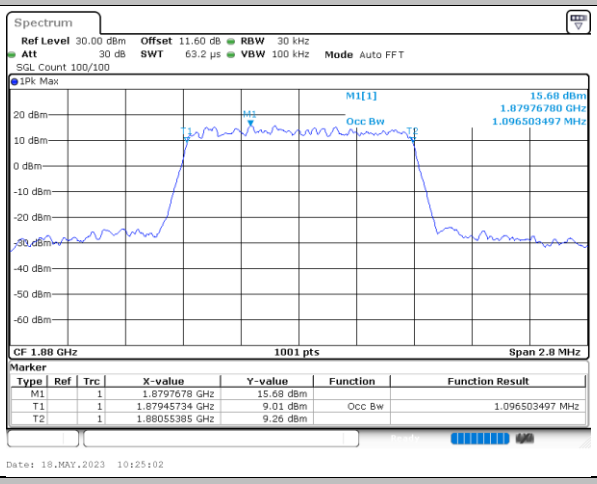
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.72	4.51	4.51	8.97	9.07	13.46	13.43	17.90	17.94
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.08	-	2.72	-	4.50	-	9.11	-	13.43	-	17.90	-

LTE Band 2

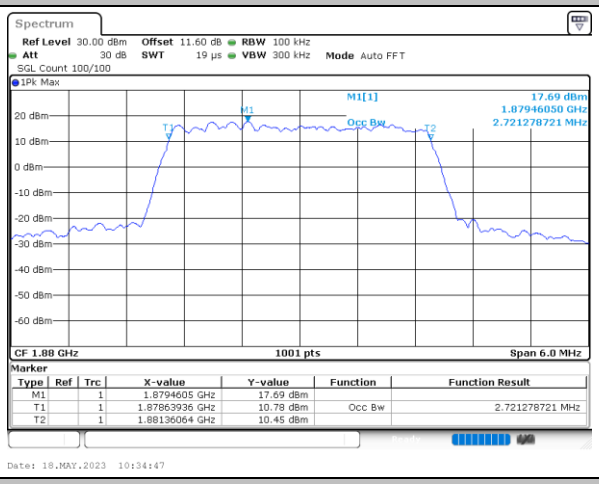
Middle Channel / 1.4MHz / QPSK



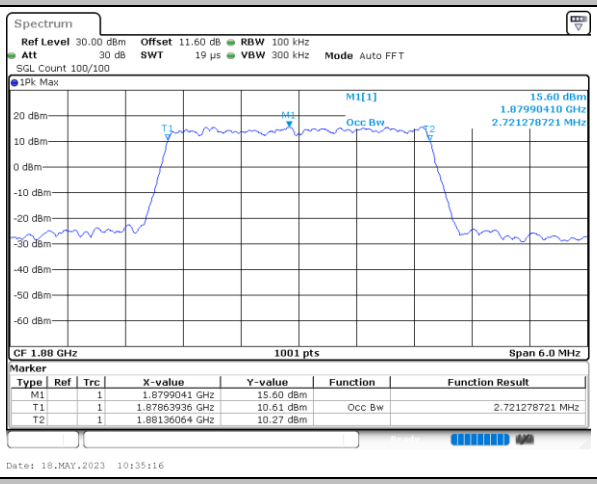
Middle Channel / 1.4MHz / 16QAM



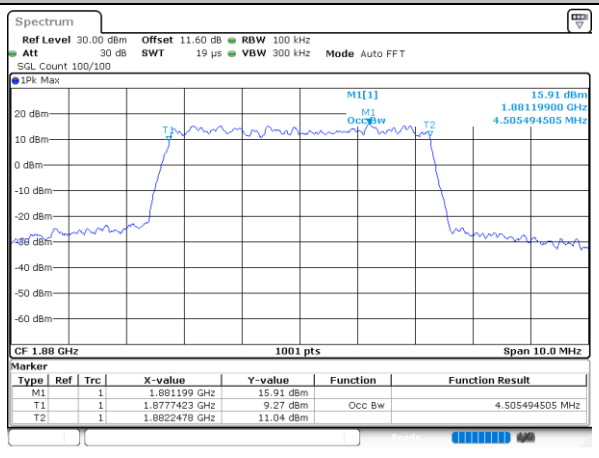
Middle Channel / 3MHz / QPSK



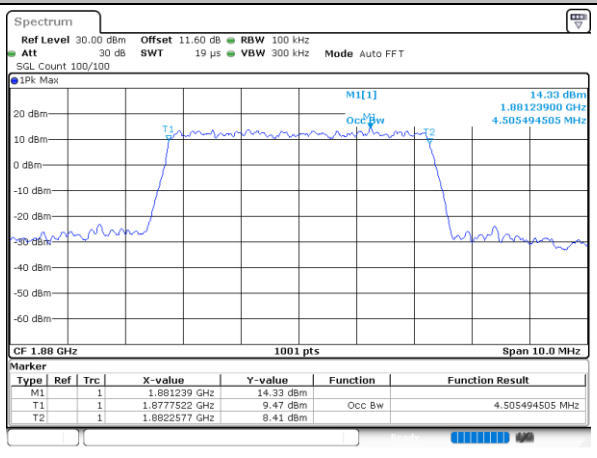
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

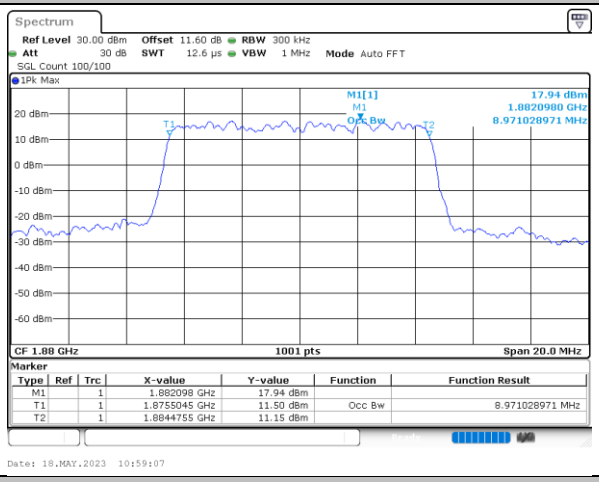


Middle Channel / 5MHz / 16QAM

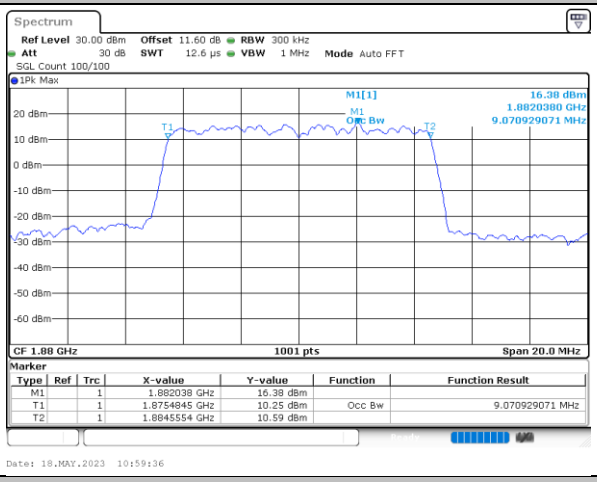


LTE Band 2

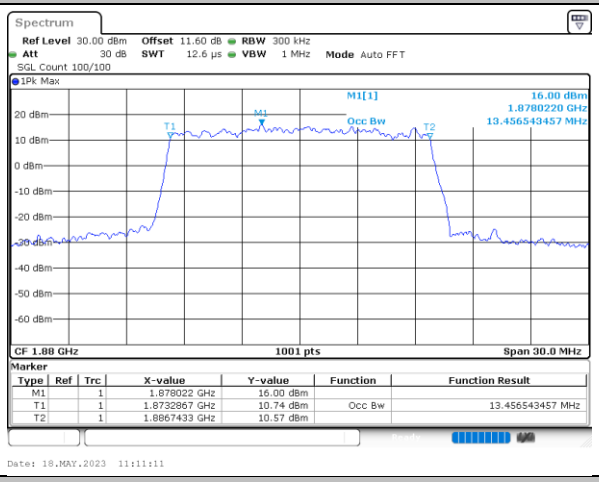
Middle Channel / 10MHz / QPSK



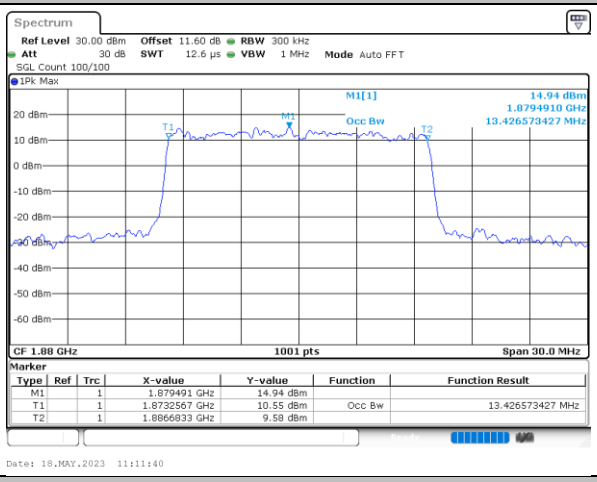
Middle Channel / 10MHz / 16QAM



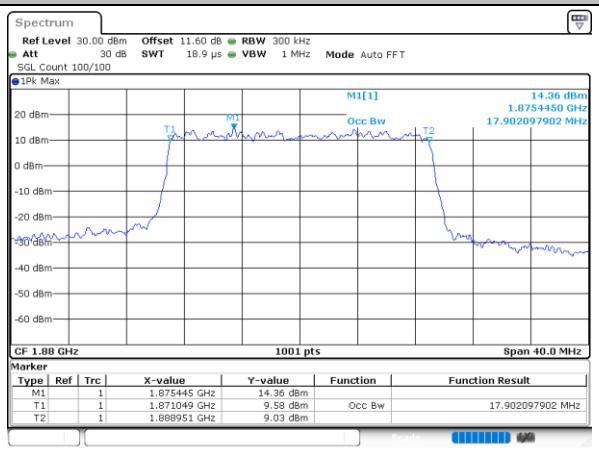
Middle Channel / 15MHz / QPSK



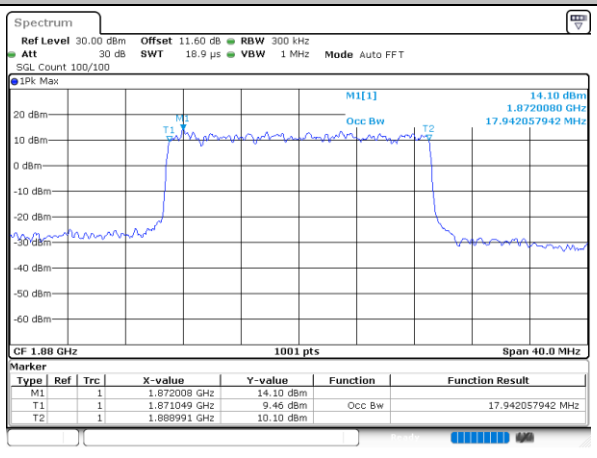
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

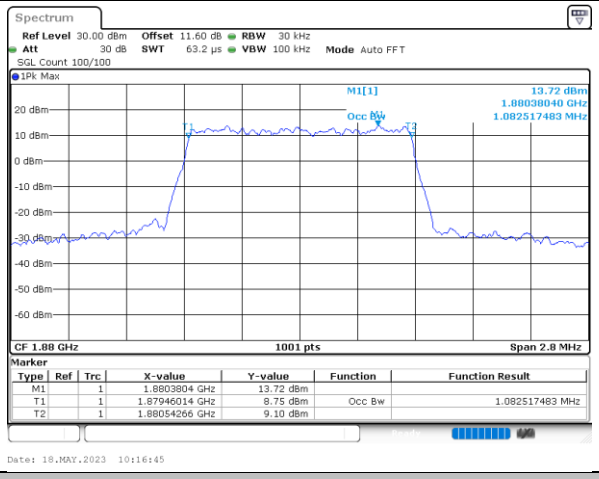


Middle Channel / 20MHz / 16QAM

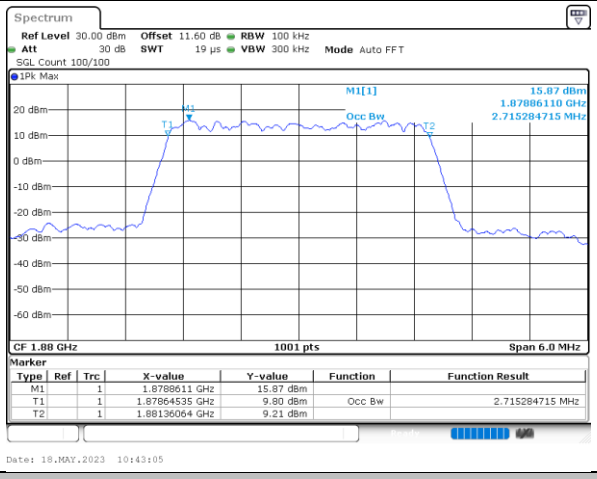


LTE Band 2

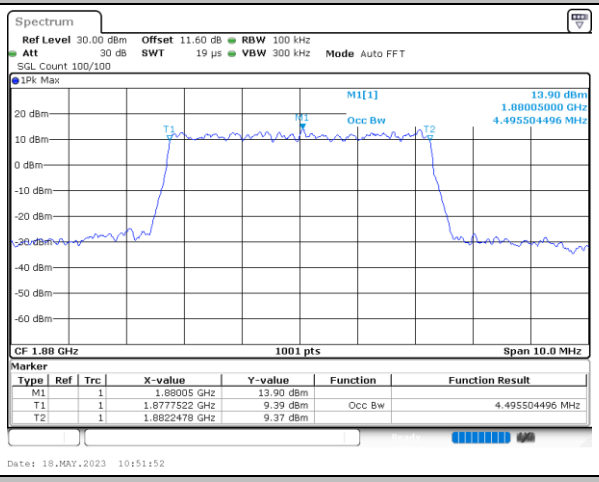
Middle Channel / 1.4MHz / 64QAM



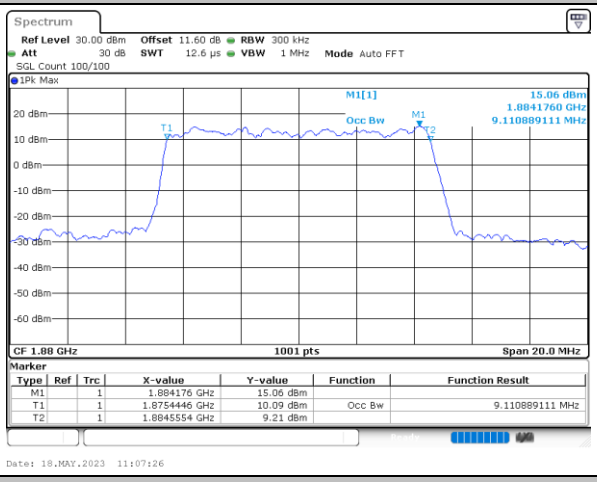
Middle Channel / 3MHz / 64QAM



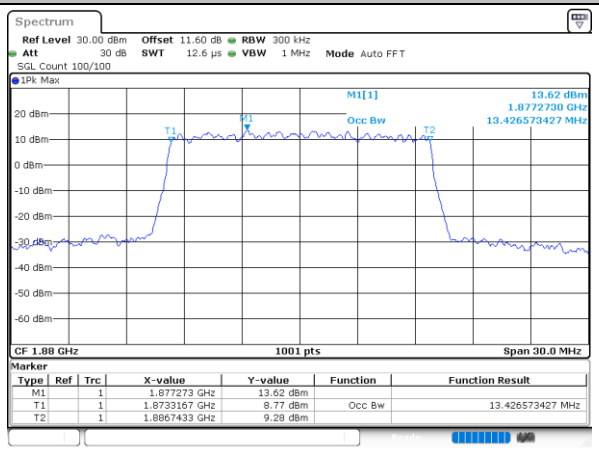
Middle Channel / 5MHz / 64QAM



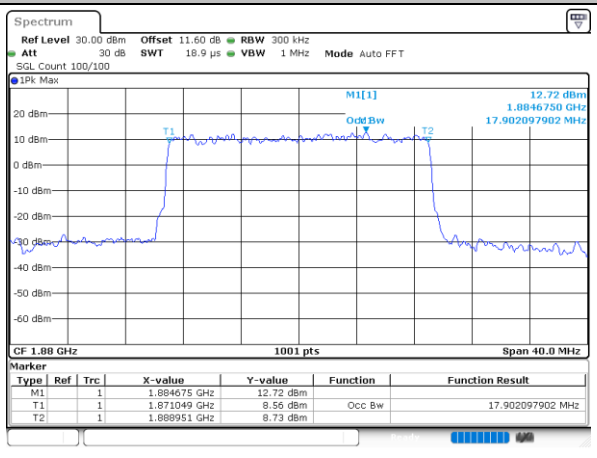
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



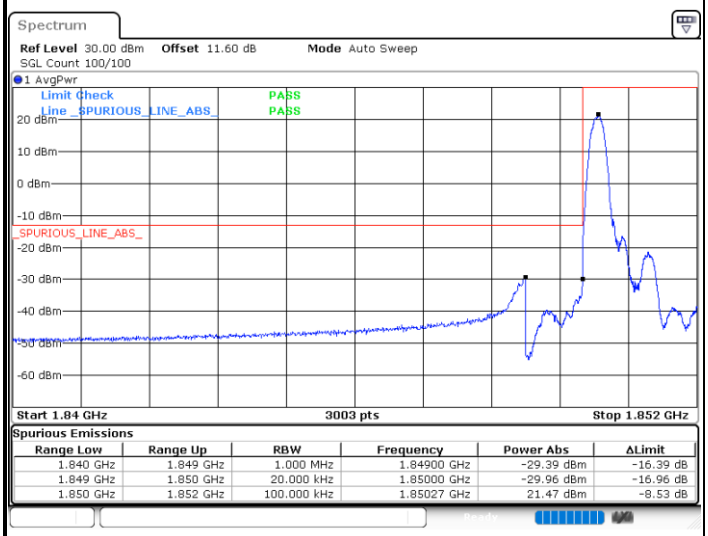
Middle Channel / 20MHz / 64QAM



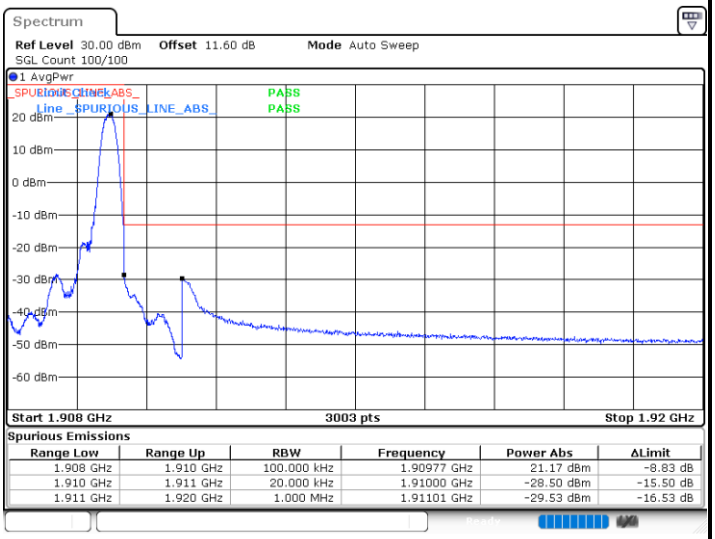
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

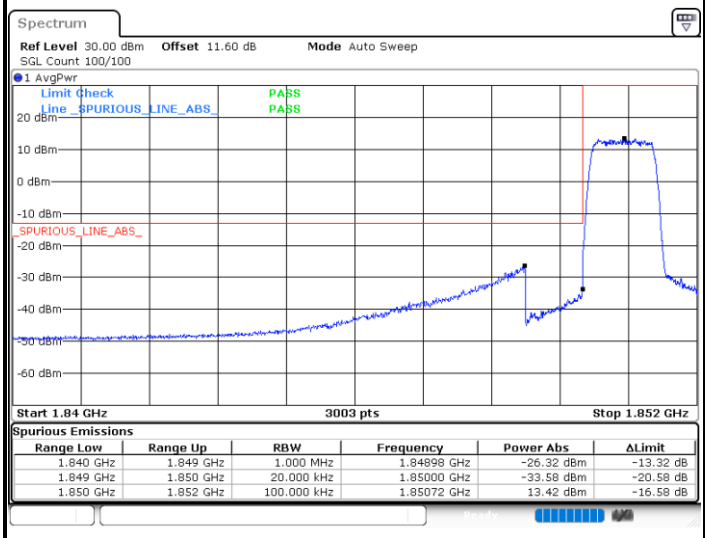
Lowest Band Edge / 1RB



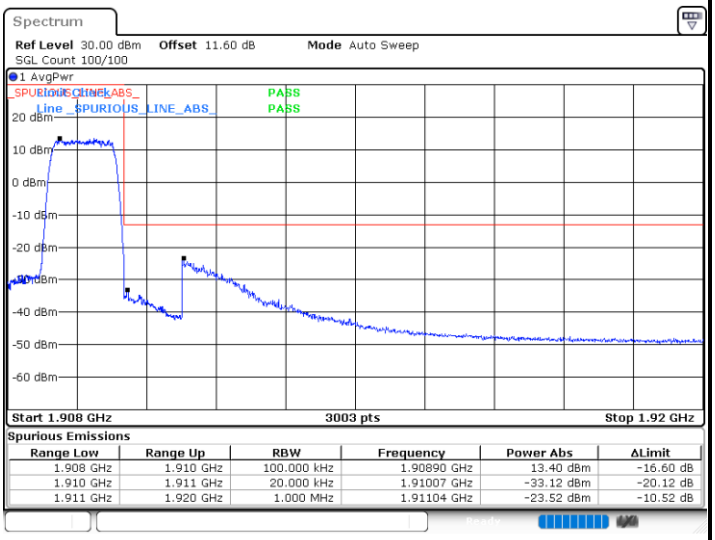
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

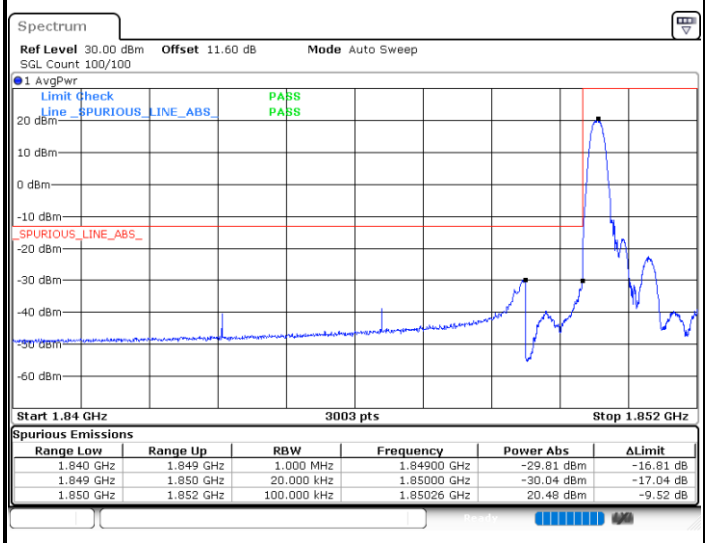


Highest Band Edge / Full RB

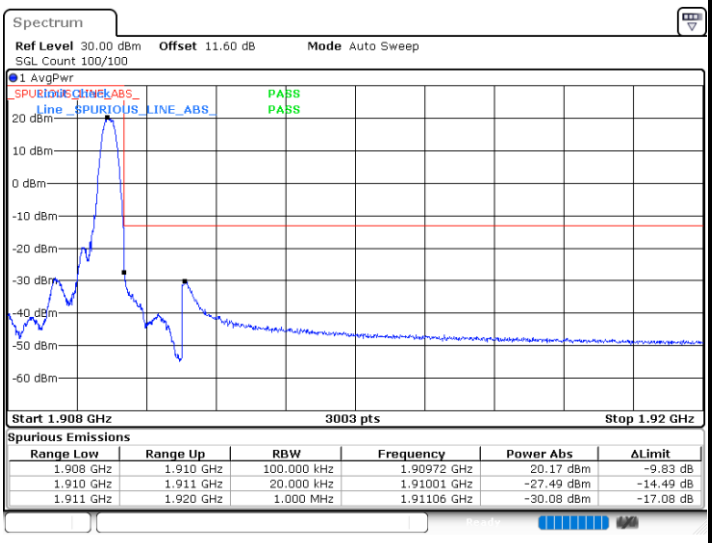


LTE Band 2 / 1.4MHz / 16QAM

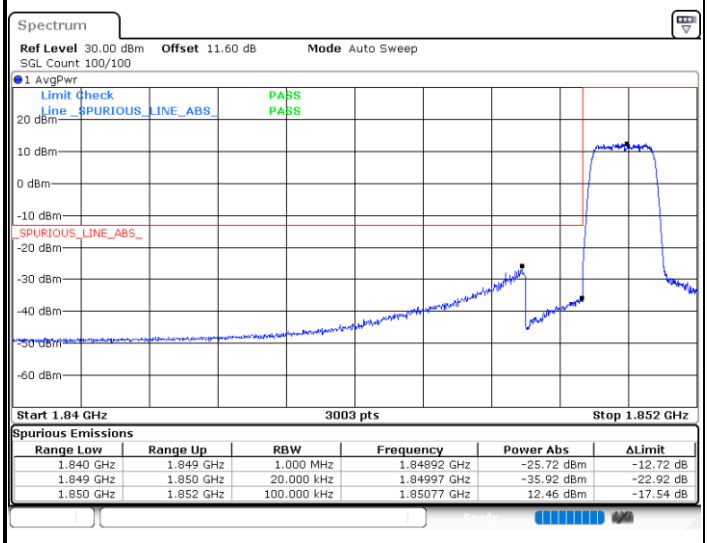
Lowest Band Edge / 1 RB



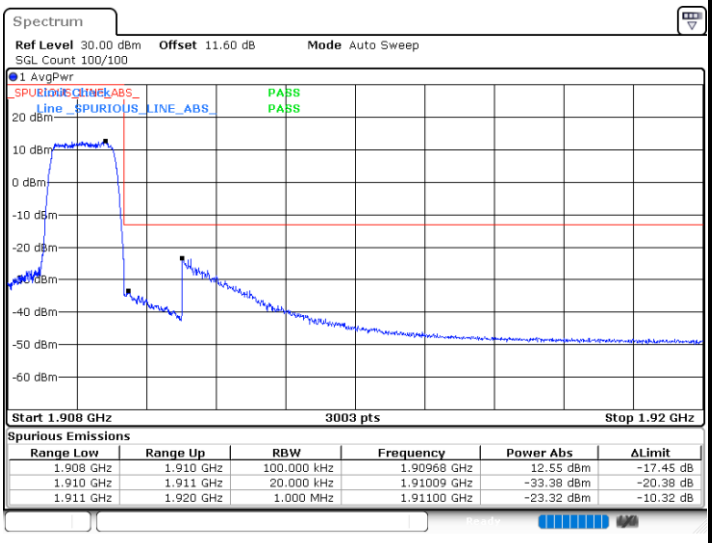
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

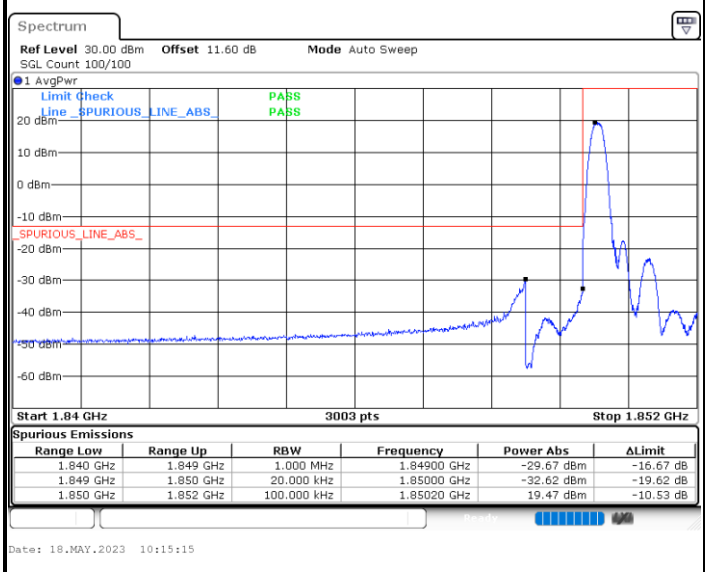


Highest Band Edge / Full RB

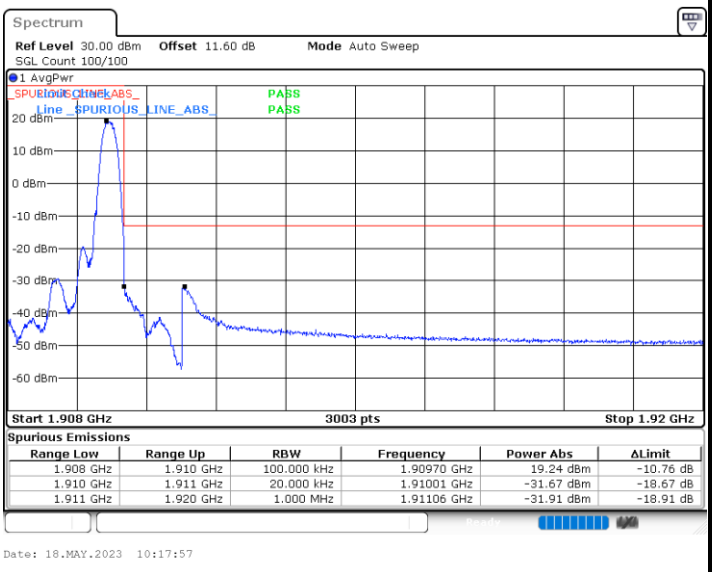


LTE Band 2 / 1.4MHz / 64QAM

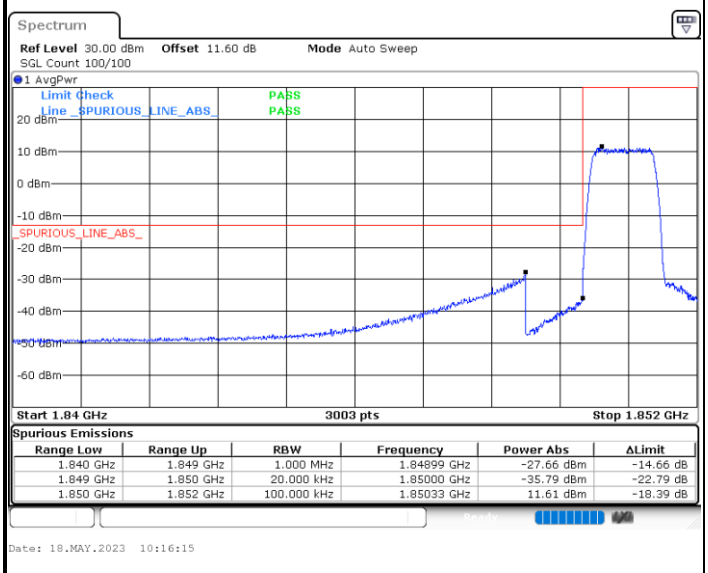
Lowest Band Edge / 1 RB



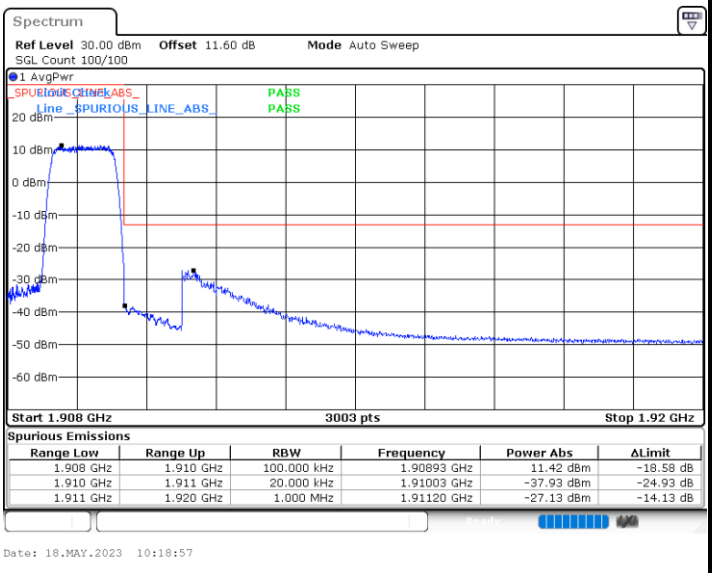
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

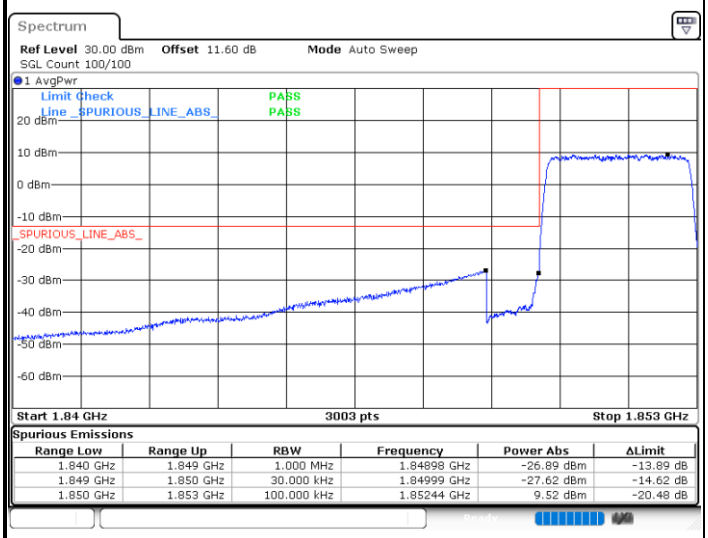


Highest Band Edge / Full RB



LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / Full RB

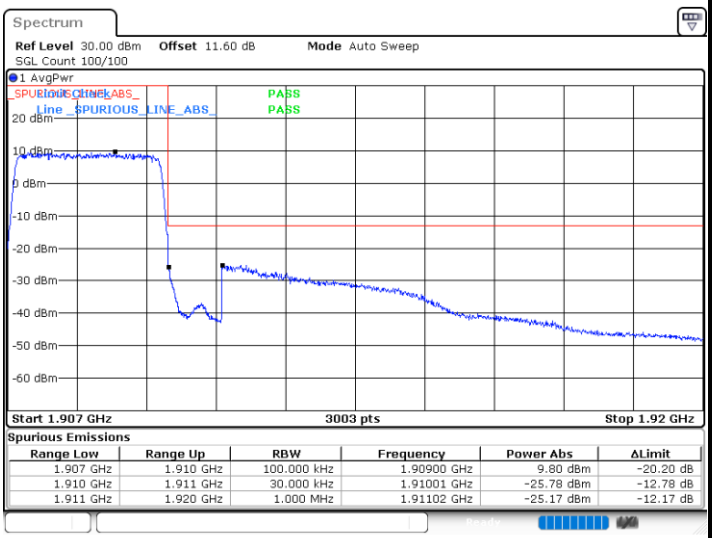


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-26.89 dBm	-13.89 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.84999 GHz	-27.62 dBm	-14.62 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85244 GHz	9.52 dBm	-20.48 dB

Date: 18.MAY.2023 10:33:18

Highest Band Edge / Full RB



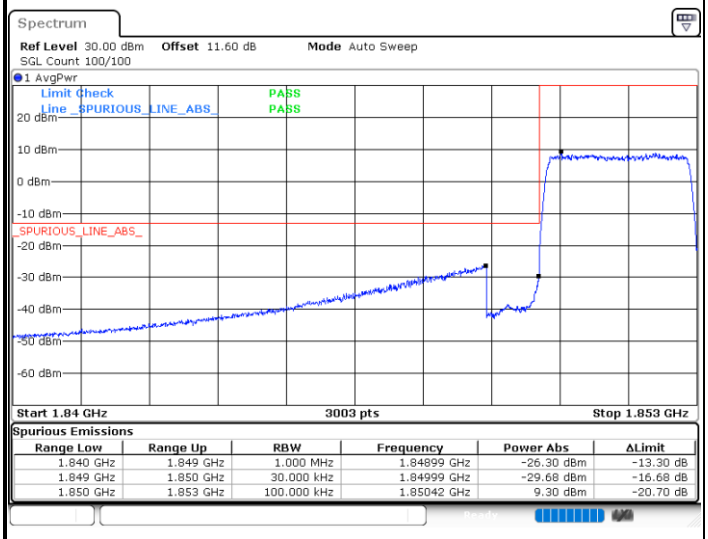
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90900 GHz	9.80 dBm	-20.20 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91001 GHz	-25.78 dBm	-12.78 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-25.17 dBm	-12.17 dB

Date: 18.MAY.2023 10:40:36

LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / Full RB

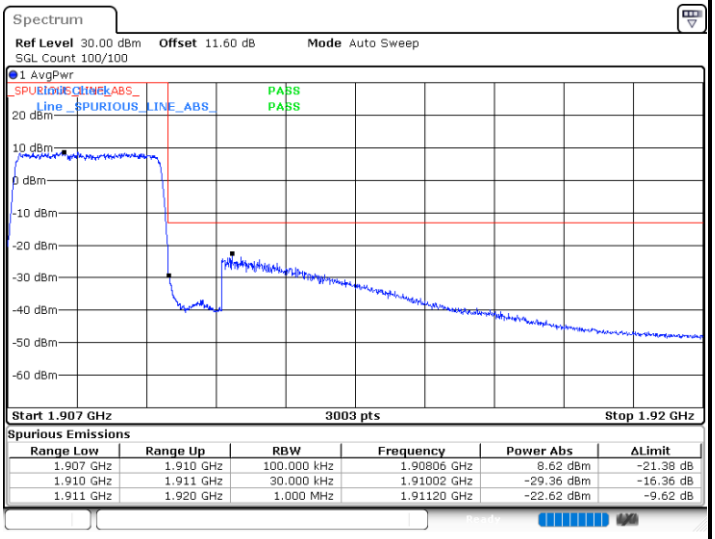


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-26.30 dBm	-13.30 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.84999 GHz	-29.68 dBm	-16.68 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85042 GHz	9.30 dBm	-20.70 dB

Date: 18.MAY.2023 10:34:17

Highest Band Edge / Full RB

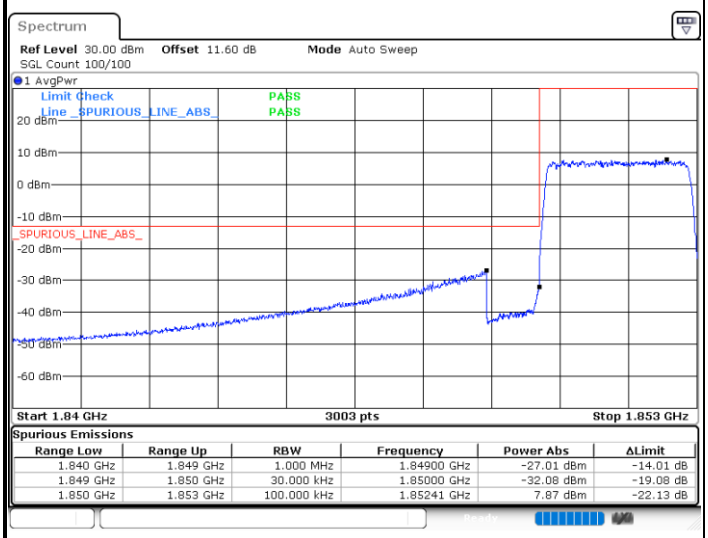


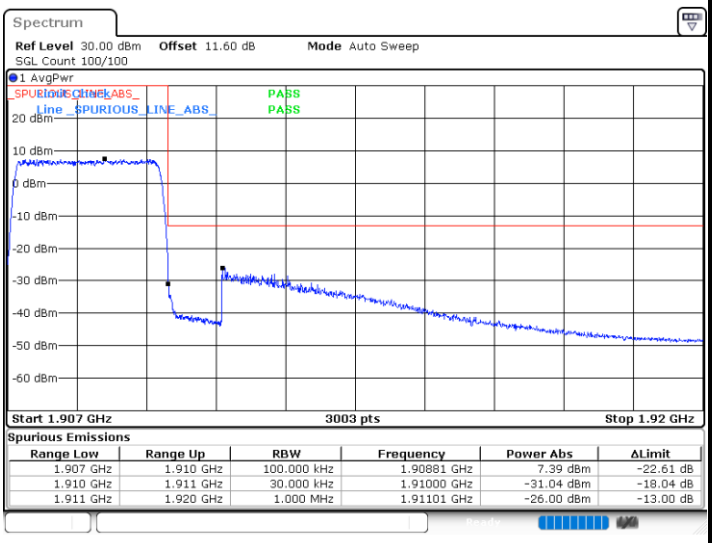
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90806 GHz	8.62 dBm	-21.38 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91002 GHz	-29.36 dBm	-16.36 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91120 GHz	-22.62 dBm	-9.62 dB

Date: 18.MAY.2023 10:41:36

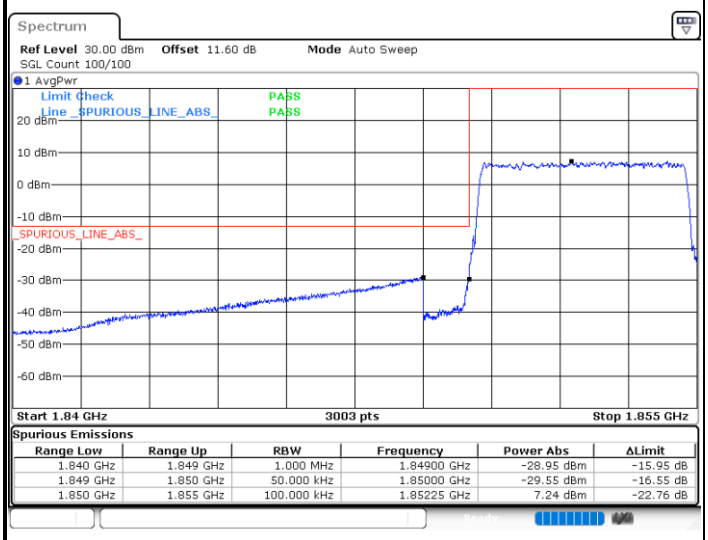
LTE Band 2 / 3MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / Full RB

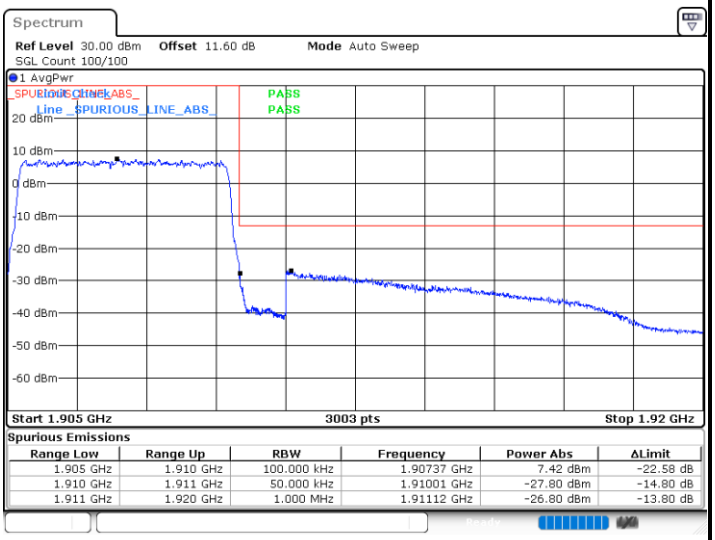


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-28.95 dBm	-15.95 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-29.55 dBm	-16.55 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85225 GHz	7.24 dBm	-22.76 dB

Date: 18.MAY.2023 10:45:25

Highest Band Edge / Full RB



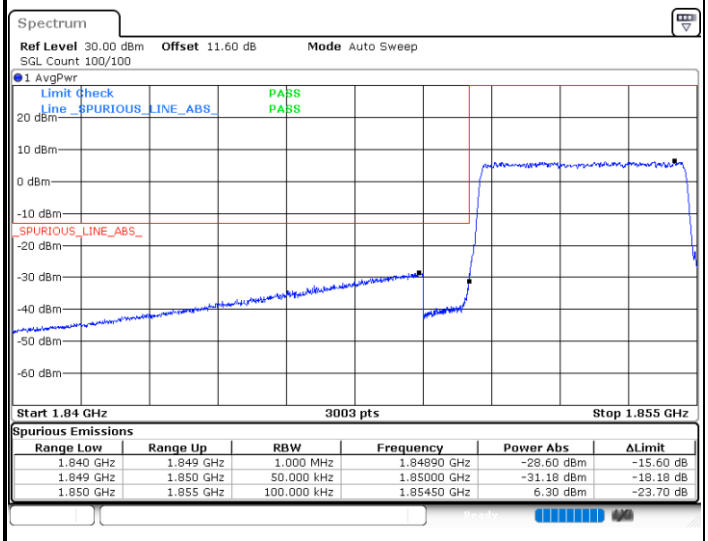
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90737 GHz	7.42 dBm	-22.58 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-27.80 dBm	-14.80 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91112 GHz	-26.80 dBm	-13.80 dB

Date: 18.MAY.2023 10:49:20

LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / Full RB

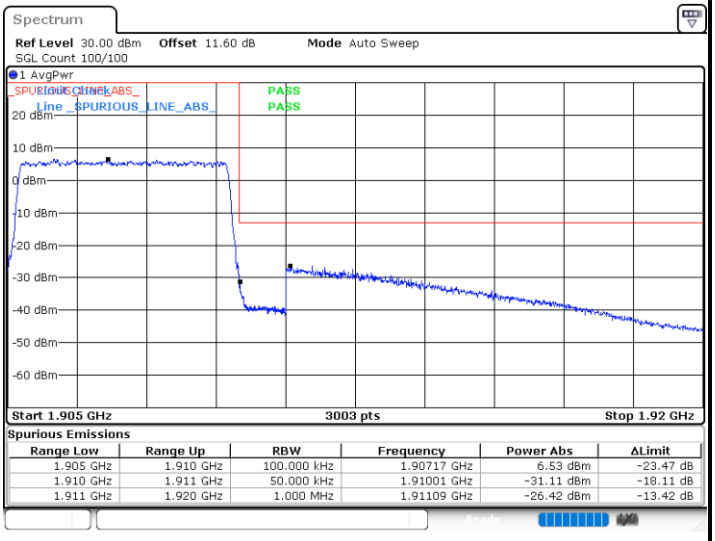


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84890 GHz	-28.60 dBm	-15.60 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-31.18 dBm	-18.18 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85450 GHz	6.30 dBm	-23.70 dB

Date: 18.MAY.2023 10:46:25

Highest Band Edge / Full RB

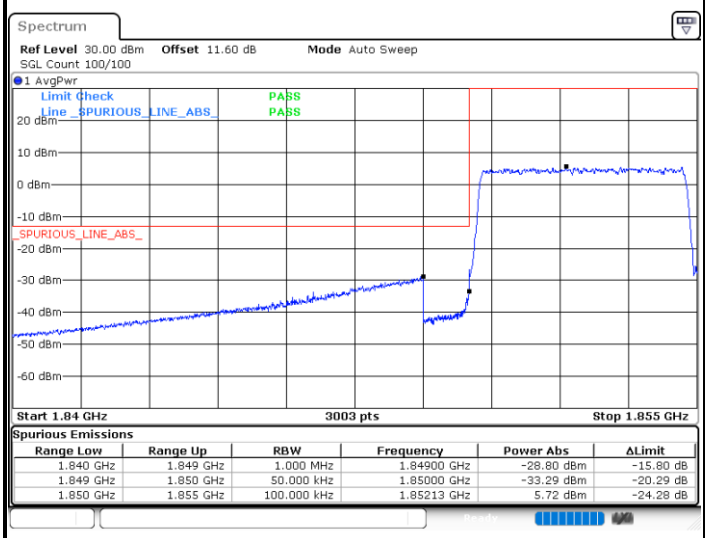


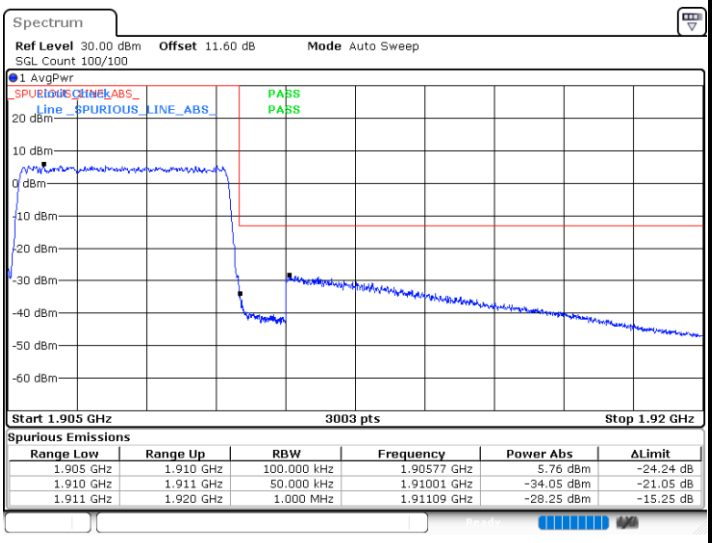
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90717 GHz	6.53 dBm	-23.47 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-31.11 dBm	-18.11 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-26.42 dBm	-13.42 dB

Date: 18.MAY.2023 10:50:23

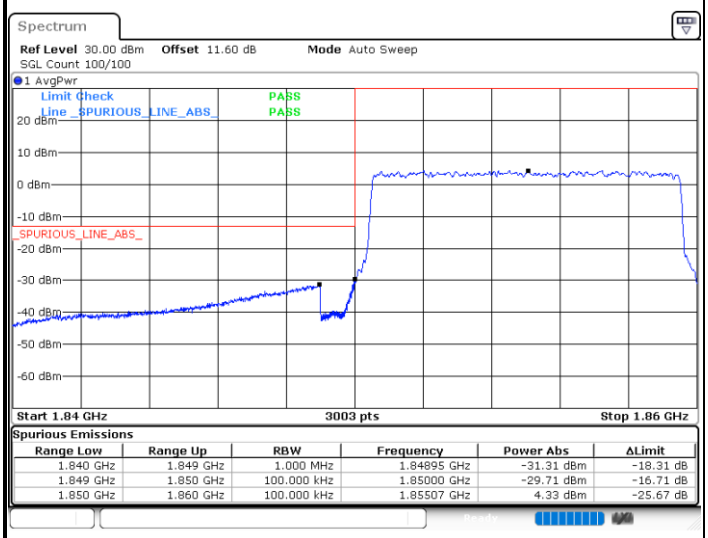
LTE Band 2 / 5MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84895 GHz	-31.31 dBm	-18.31 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-29.71 dBm	-16.71 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85507 GHz	4.33 dBm	-25.67 dB

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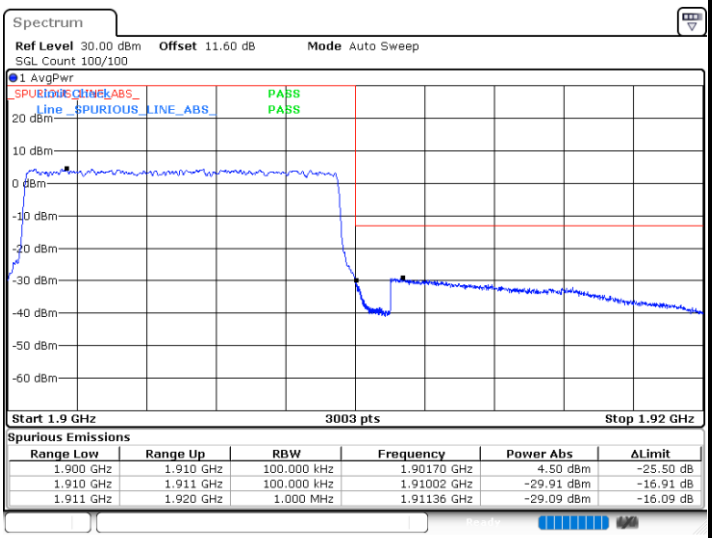
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90170 GHz	4.50 dBm	-25.50 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91002 GHz	-29.91 dBm	-16.91 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91136 GHz	-29.09 dBm	-16.09 dB

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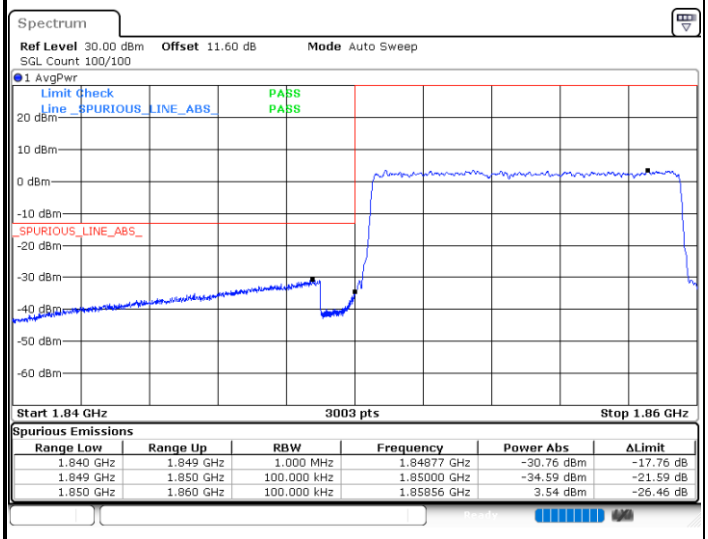
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / Full RB

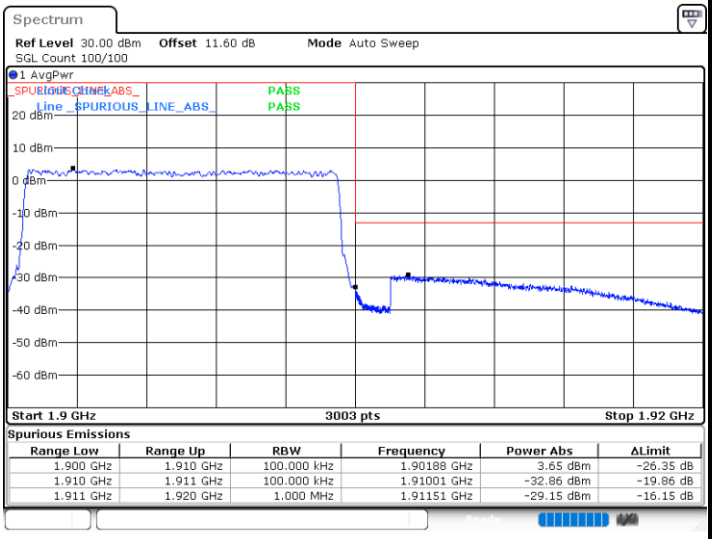


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84877 GHz	-30.76 dBm	-17.76 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-34.59 dBm	-21.59 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85856 GHz	3.54 dBm	-26.46 dB

Date: 18.MAY.2023 10:58:36

Highest Band Edge / Full RB

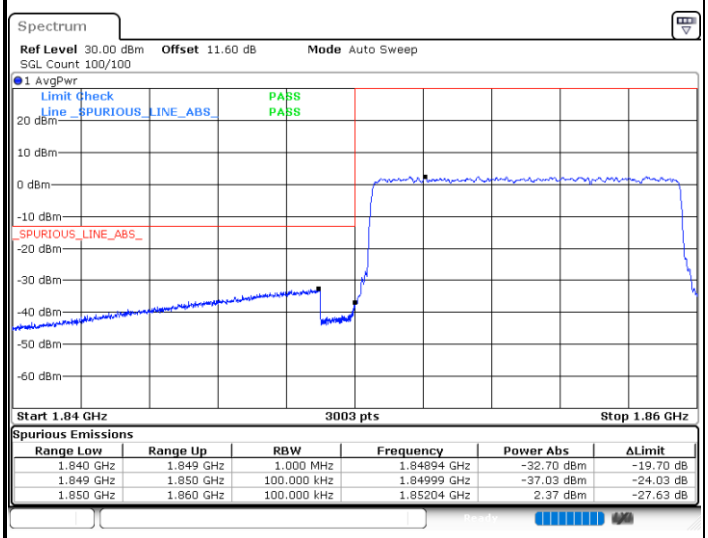


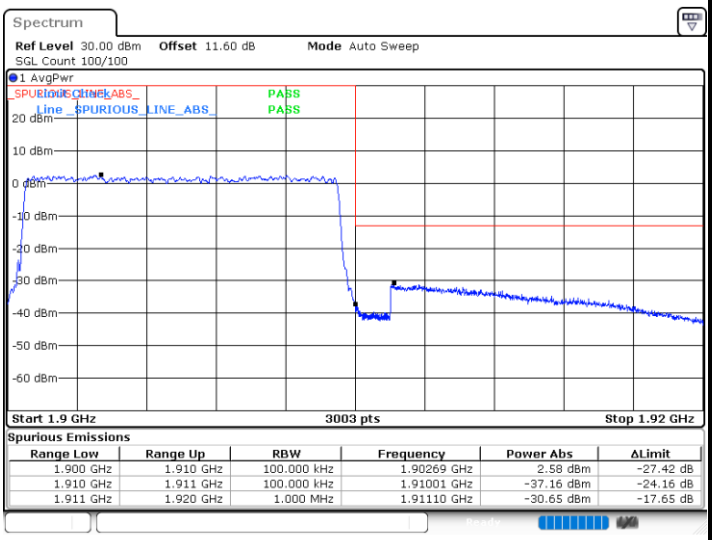
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90188 GHz	3.65 dBm	-26.35 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91001 GHz	-32.86 dBm	-19.86 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91151 GHz	-29.15 dBm	-16.15 dB

Date: 18.MAY.2023 11:05:56

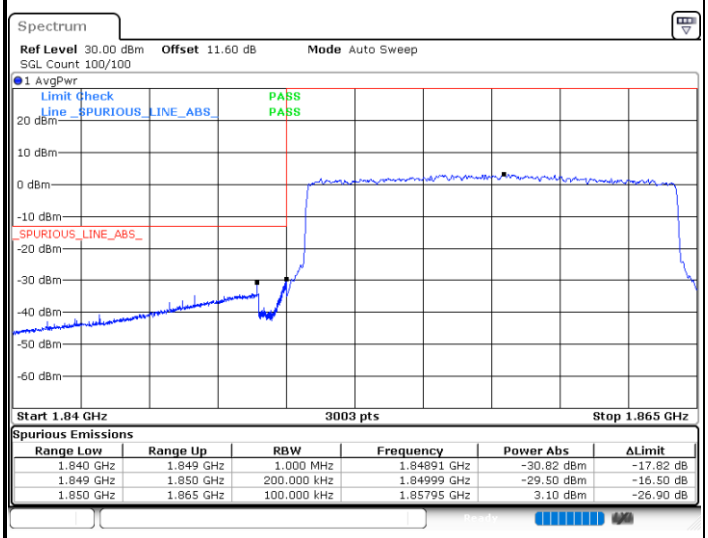
LTE Band 2 / 10MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-30.82 dBm	-17.82 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-29.50 dBm	-16.50 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85795 GHz	3.10 dBm	-26.90 dB

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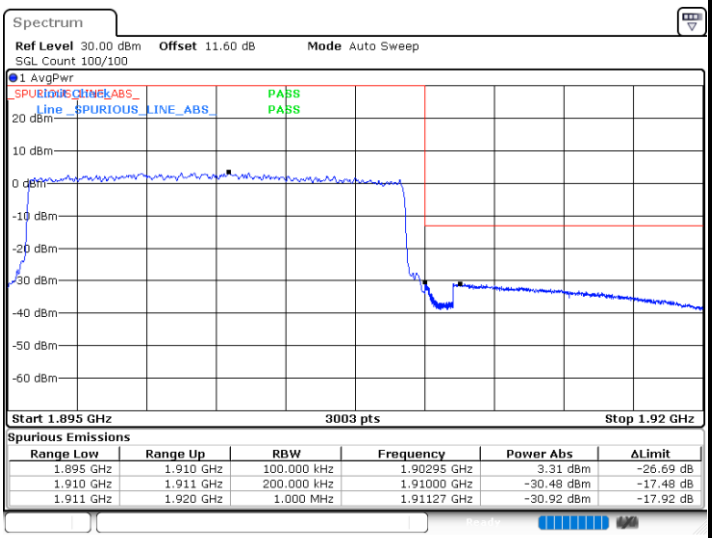
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90295 GHz	3.31 dBm	-26.69 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91000 GHz	-30.48 dBm	-17.48 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91127 GHz	-30.92 dBm	-17.92 dB

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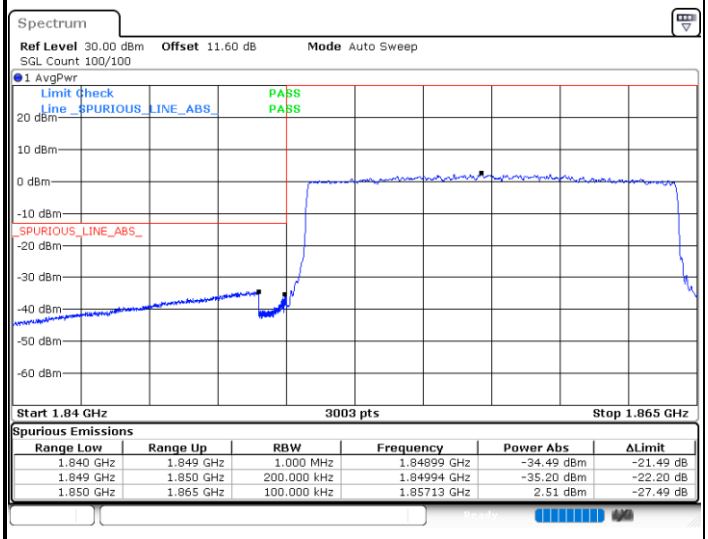
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / Full RB

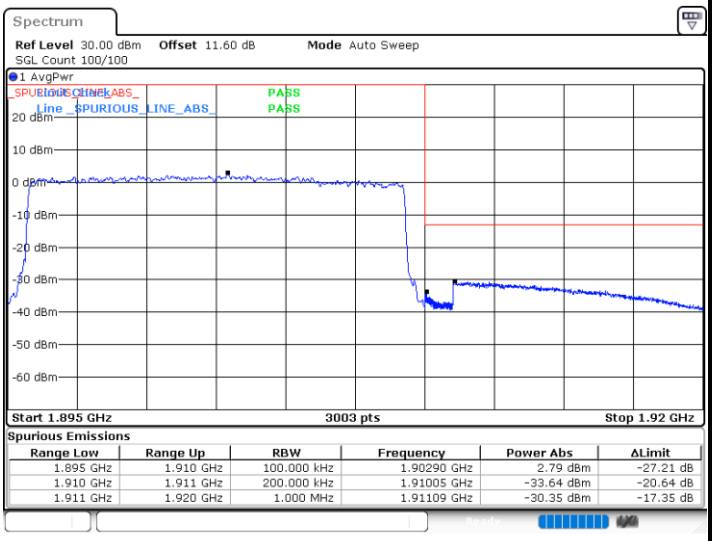


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-34.49 dBm	-21.49 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84994 GHz	-35.20 dBm	-22.20 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85713 GHz	2.51 dBm	-27.49 dB

Date: 18.MAY.2023 11:10:41

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90290 GHz	2.79 dBm	-27.21 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91005 GHz	-33.64 dBm	-20.64 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-30.35 dBm	-17.35 dB

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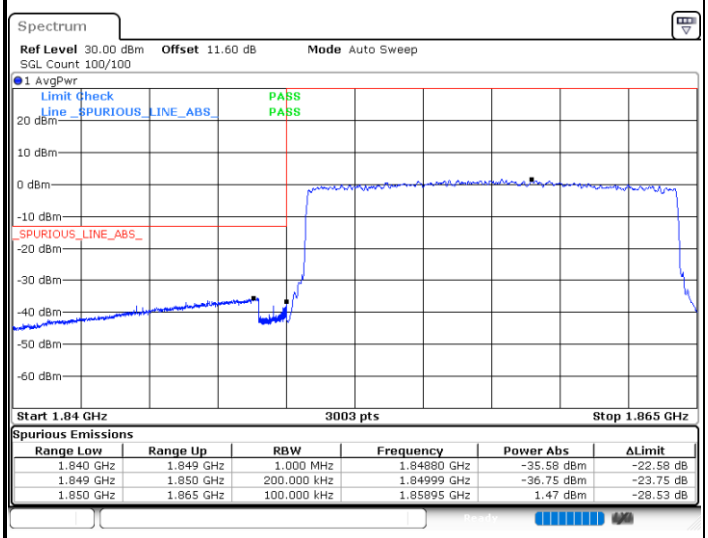
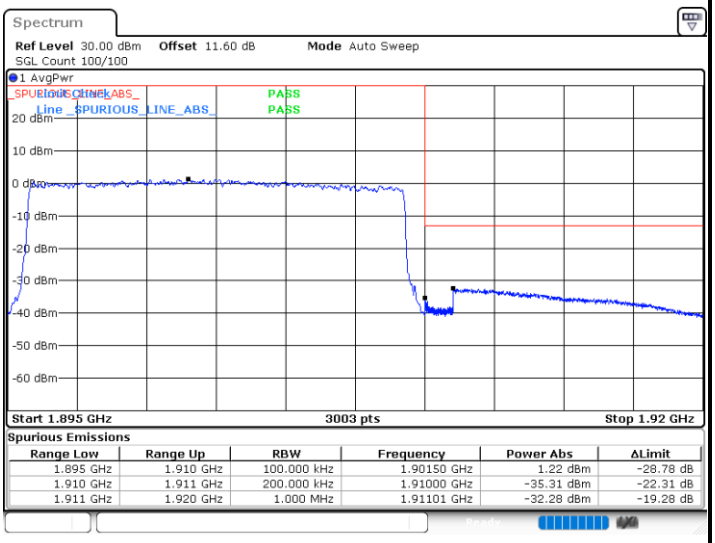
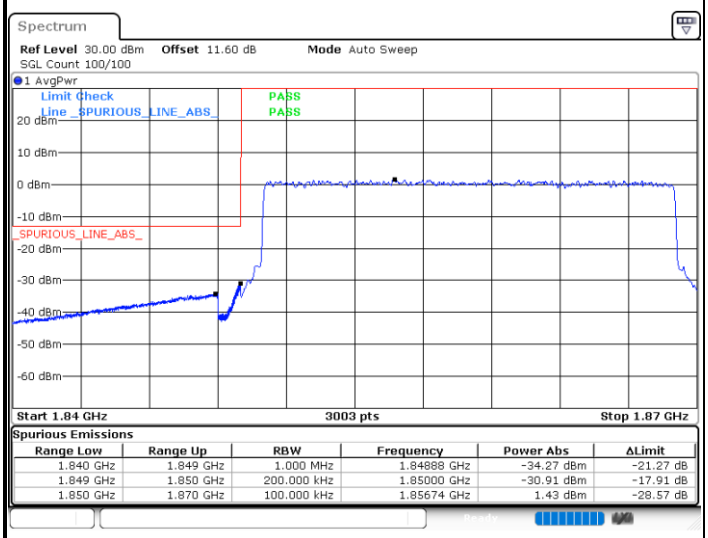
LTE Band 2 / 15MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**





LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84888 GHz	-34.27 dBm	-21.27 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-30.91 dBm	-17.91 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85674 GHz	1.43 dBm	-28.57 dB

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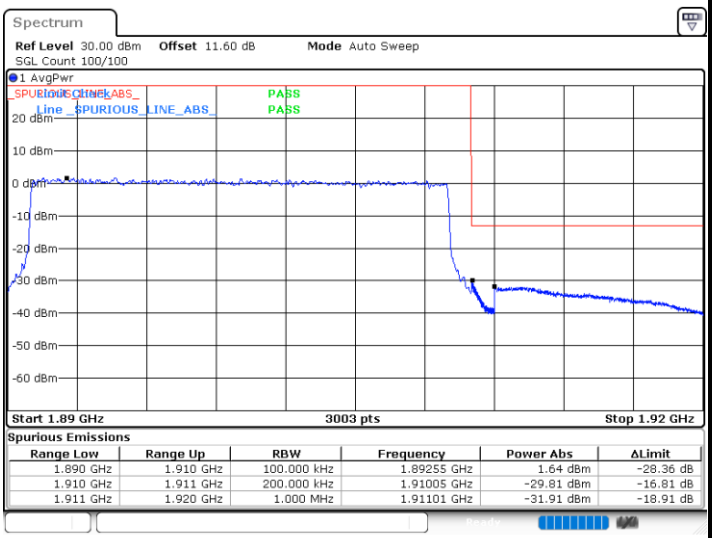
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89255 GHz	1.64 dBm	-28.36 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91005 GHz	-29.81 dBm	-16.81 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-31.91 dBm	-18.91 dB

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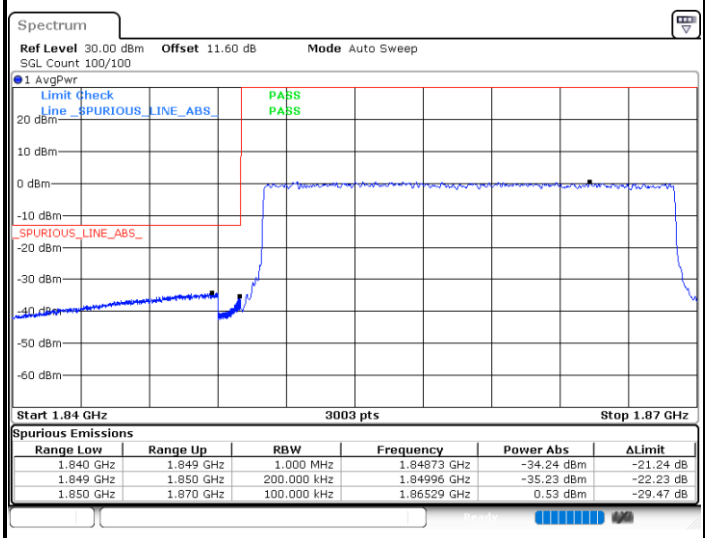
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / Full RB

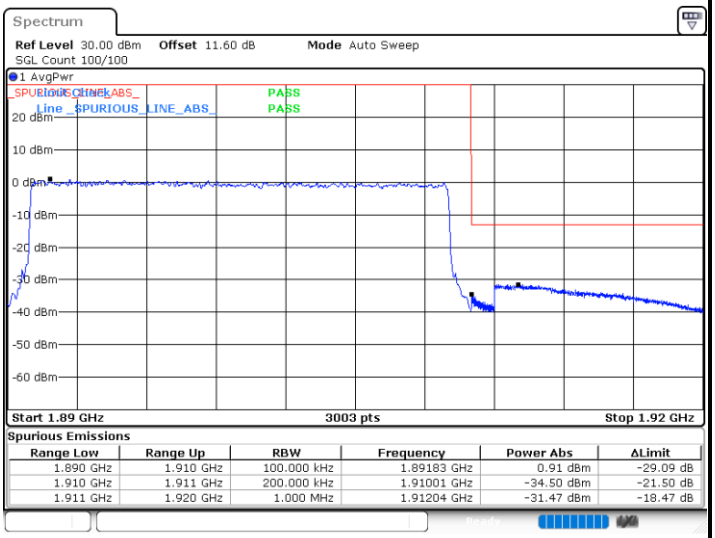


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84873 GHz	-34.24 dBm	-21.24 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84996 GHz	-35.23 dBm	-22.23 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86529 GHz	0.53 dBm	-29.47 dB

Date: 18.MAY.2023 11:22:46

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89183 GHz	0.91 dBm	-29.09 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-34.50 dBm	-21.50 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91204 GHz	-31.47 dBm	-18.47 dB

Date: 18.MAY.2023 11:26:41

LTE Band 2 / 20MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**