FCC RADIO TEST REPORT

FCC ID	:	**A4RG6GPR**
Equipment	:	**Phone**
Model Name	:	**G6GPR**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC 47 CFR Part 2, 24(E), 27**

The product was received on Jul. 12, 2023 and testing was performed from Aug. 09, 2023 to Dec. 19, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FG380308B	01	Initial issue of report	Dec. 14, 2023
FG380308B	02	1. Revise Band covered information, antenna gain, test mode and Conducted power 2. Add LTE Band 38C Radiated Spurious Emission Test Data This report is an updated version, replacing the report issued on Dec. 14, 2023.	Dec. 20, 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	-
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 38) (Band 41)	Pass	
	§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 §24.238 (a) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
3.6	§2.1051 §24.238 (a) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 66)	Pass	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
3.7	§2.1055 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §24.238 (a) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 66)	Pass	29.36 dB under the limit at 10676.00 MHz for Tx0 Antenna
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		29.05 dB under the limit at 10676.00 MHz for Tx1 Antenna

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: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/ax, NFC, WPC Rx and GNSS Rx. **Antenna Type** WWAN <Ant. 0>: ILA Antenna <Ant. 1>: ILA Antenna <Ant. 2>: IFA Antenna <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna

EUT Information List	
S/N	Performed Test Item
36141JEKB06300	Conducted Measurement EIRP
38011JEKB00122	Radiated Spurious Emission

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B17, B26, B38, B41, B66
Evaluated and Tested band	B2, B4, B7C, B38C, B41C, B66
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B66 cover B4 (Part 27)

TDD band Power Class		
	PC3	**PC2**
B38	V	V
B41	V	V

Note: For LTE Band 5, Band 7 , Band 12, Band 17, Band 26, Band 38 and Band 41 data please refer to spot check report.

Antenna information							
Band	**Ant0**	**Ant1**	**Ant2**	**Ant5**	**Ant6**	**Main Ant. #**	**Sub Ant. #**
B2	**-2.6**		**-0.8**			2	0
B4	**-2.2**		**-0.1**			2	0
B7	**-1.7**		**0.5**			2	0
B38	**-1.6**		**0.6**			2	0
B41	**-1.0**		**0.6**			2	0
B66	**-2.2**		**-0.5**			2	0

Remark:

1. For Test Items, Main Ant. means Tx0 and Sub Ant. means Tx1.
2. After preliminary scan, the main antenna TX0 is selected as the worst mode to be reported for conducted test in the test report.
3. The above EUT's information was 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
Test Engineer	HaoEn Zhang
Temperature (℃)	21.5~23.6
Relative Humidity (%)	51.4~54.2

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH21-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Ray Lung and Sky Chang
Temperature (℃)	18~26
Relative Humidity (%)	50~70
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786

1.4 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, 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 accessory (Adapter or Earphone) and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find **<Tx0 Antenna>:** X Plane with Earphone for LTE Band 66, 7C, Y Plane with Adapter for LTE Band 2, Z Plane with Adapter for LTE Babd 38C, 41C; **<Tx1 Antenna>:** Z Plane with Adapter for LTE Band 66, 7C, Z Plane with Earphone for LTE Band 2, 38C, 41C as worst case.

Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

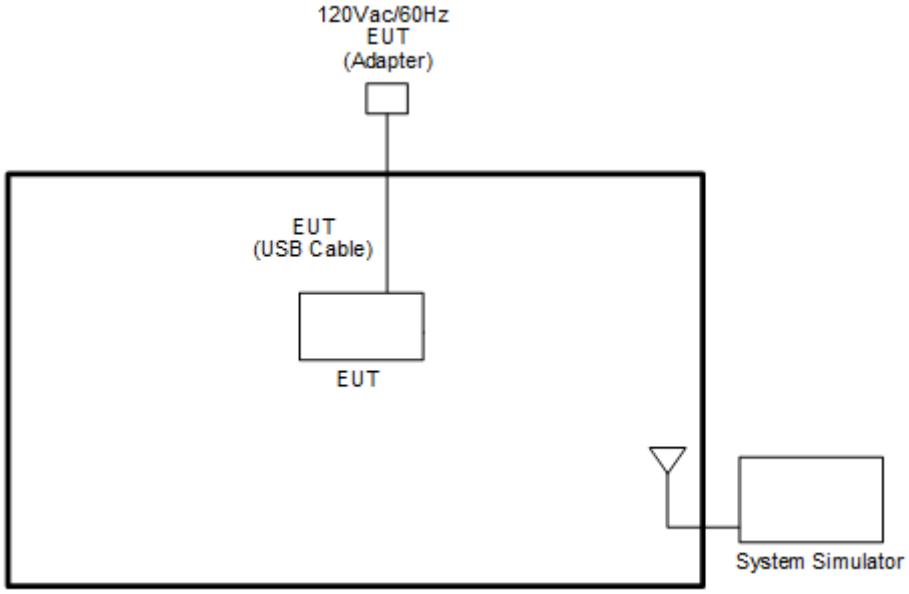
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D	All	1, Half, Full	L, M, H
EIRP	A, B, C, D	All	1, Half, Full	L, M, H
PAR	A, B, C, D	20 MHz or less	Full	M
Bandwidth	A, B, C, D	All	Full	M
CBE	A, B, C, D	Minimum	1RB	L, H
		All	Full	
CSE	A	Minimum	1RB	L, M, H
Frequency Stability	A	10 MHz or less	Full	M
RSE	A	10 MHz or less	1RB	L, M, H

Remark:

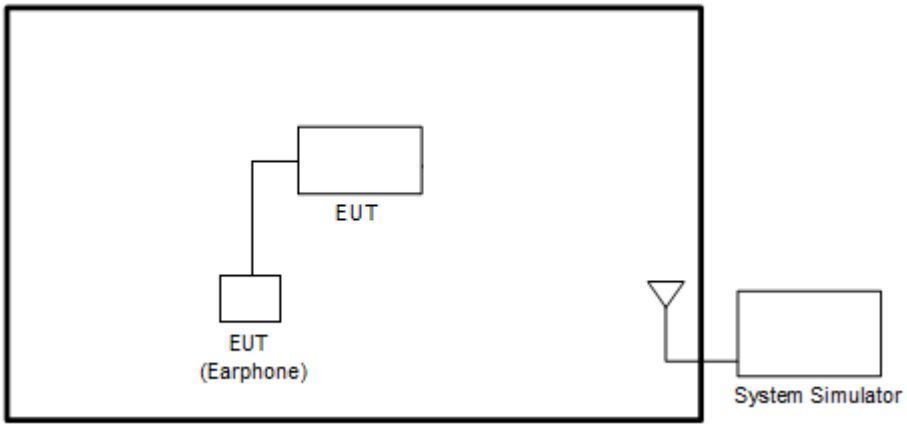
1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.
4. All the radiated test cases were performed with Adapter 1 and USB Cable 3.

2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT with Earphone>



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	18700	18900	19100
	Frequency	1860	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 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 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 38C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

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

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

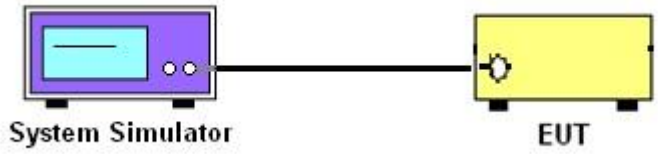
3 Conducted Test Items

3.1 Measuring Instruments

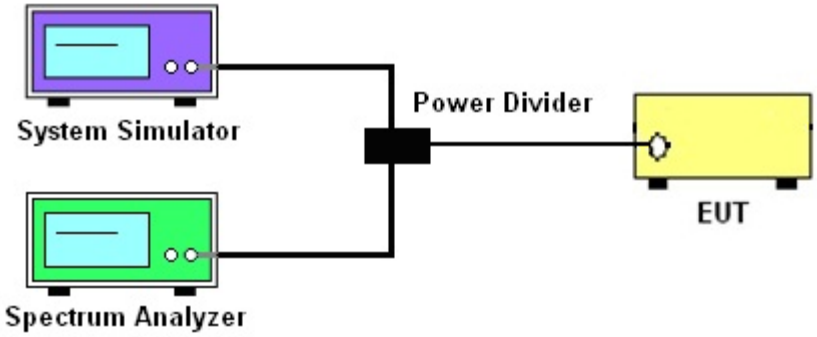
See list of measuring instruments of this test report.

3.1.1 Test Setup

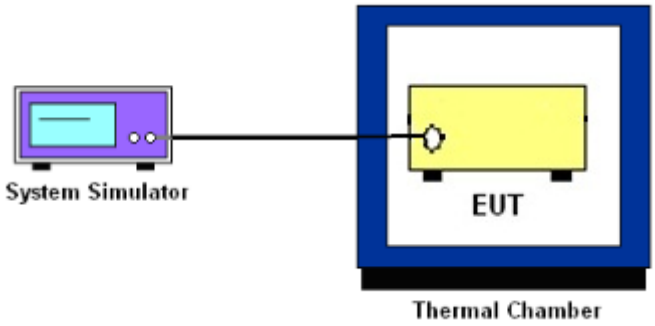
3.1.2 Conducted Output Power



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 EIRP

3.2.1 Description of the Conducted Output Power Measurement and 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 EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 7, Band 38, Band 41

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

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 (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 conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GH, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. 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

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.

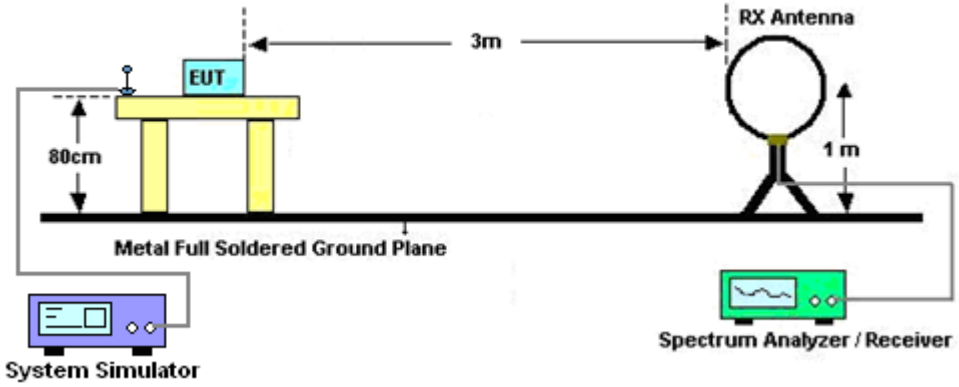
4 Radiated Test Items

4.1 Measuring Instruments

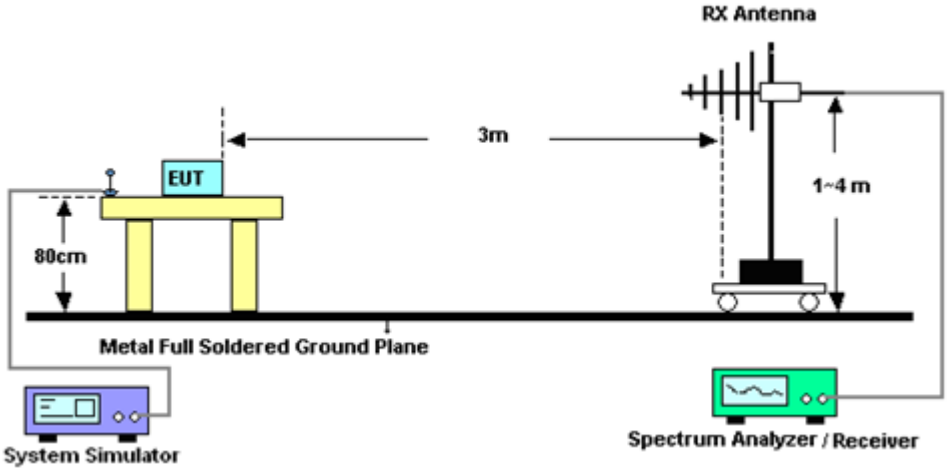
See list of measuring instruments of this test report.

4.1.1 Test Setup

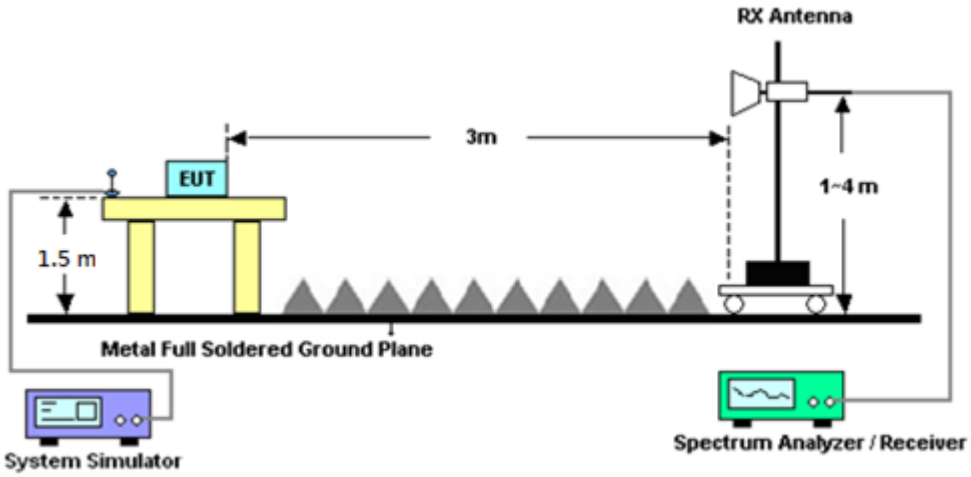
For radiated test below 30MHz



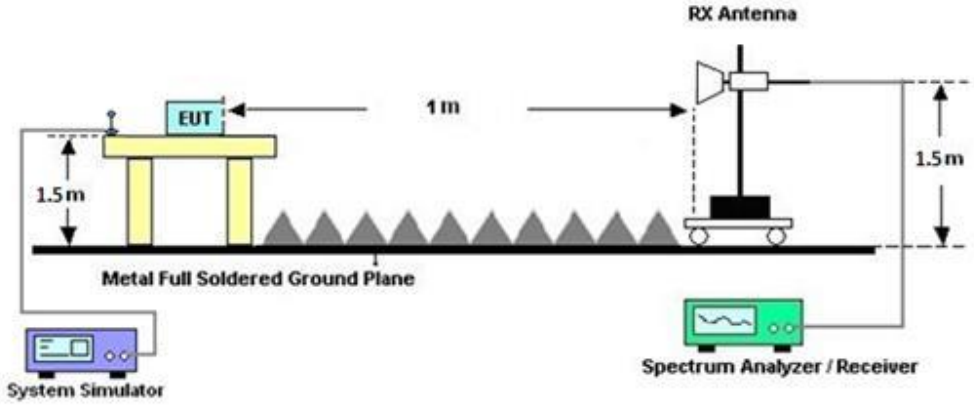
For radiated test from 30MHz to 1GHz



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 C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

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. To convert spectrum reading E(dBuV/m) to EIRP(dBm)

   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,

   where d is the distance at which filed strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. 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)

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Aug. 28, 2023~ Sep. 11, 2023	Sep. 19, 2023	Radiation (03CH21-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Sep. 12, 2023~ Dec. 19, 2023	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 04, 2022	Aug. 28, 2023~ Oct. 02, 2023	Oct. 03, 2023	Radiation (03CH21-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 10, 2022	Oct. 03, 2023~ Oct. 14, 2023	Nov. 09, 2023	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 15, 2023	Oct. 15, 2023~ Dec. 19, 2023	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 12, 2023	Aug. 28, 2023~ Dec. 19, 2023	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Aug. 28, 2023~ Dec. 19, 2023	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Aug. 28, 2023~ Dec. 19, 2023	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 29, 2022	Aug. 28, 2023~ Sep. 27, 2023	Sep. 28, 2023	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Sep. 28, 2023~ Dec. 19, 2023	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Sep. 28, 2022	Aug. 28, 2023~ Aug. 30, 2023	Sep. 27, 2023	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Aug. 31, 2023~ Dec. 19, 2023	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 17, 2023	Aug. 28, 2023~ Dec. 19, 2023	Aug. 16, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Aug. 28, 2023~ Dec. 19, 2023	Mar. 06, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 25, 2022	Aug. 28, 2023~ Oct. 23, 2023	Oct. 24, 2023	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 24, 2023	Oct. 24, 2023~ Dec. 19, 2023	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Nov. 17, 2022	Aug. 28, 2023~ Oct. 29, 2023	Nov. 16, 2023	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Oct. 30, 2023~ Dec. 19, 2023	Oct. 29, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 28, 2023~ Dec. 19, 2023	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 28, 2023~ Dec. 19, 2023	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 28, 2023~ Dec. 19, 2023	N/A	Radiation (03CH21-HY)
Software	Audix	E3 9.230621	RK-002349	N/A	N/A	Aug. 28, 2023~ Dec. 19, 2023	N/A	Radiation (03CH21-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Aug. 09, 2023~ Aug. 23, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101908	10Hz~40GHz	Sep. 27, 2022	Aug. 09, 2023~ Aug. 23, 2023	Sep. 26, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 07, 2022	Aug. 09, 2023~ Aug. 23, 2023	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V；0A~6A	Dec. 29, 2022	Aug. 09, 2023~ Aug. 23, 2023	Dec. 28, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Aug. 09, 2023~ Aug. 23, 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))	**3.06 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.33 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.68 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & EIRP)

<Tx0 Antenna>

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.74	23.82	23.71	23.02	0.2004
20	1	49		23.66	23.65	23.68		
20	1	99		23.52	23.46	23.66		
20	50	0		22.77	22.78	22.71		
20	50	24		22.72	22.66	22.74		
20	50	50		22.64	22.58	22.71		
20	100	0		22.70	22.69	22.72		
20	1	0	16-QAM	23.06	23.20	23.04	22.40	0.1738
20	1	49		22.98	23.07	23.07		
20	1	99		22.77	22.84	22.98		
20	50	0		21.72	21.76	21.71		
20	50	24		21.72	21.68	21.71		
20	50	50		21.63	21.59	21.70		
20	100	0		21.65	21.66	21.70		
20	1	0	64-QAM	21.87	22.05	21.99	21.25	0.1334
20	1	49		21.85	21.85	21.90		
20	1	99		21.74	21.66	21.87		
20	50	0		20.76	20.76	20.72		
20	50	24		20.77	20.70	20.73		
20	50	50		20.67	20.59	20.72		
20	100	0		20.65	20.66	20.69		
20	1	0	256-QAM	19.20	19.25	19.13	18.45	0.0700
20	1	49		19.17	18.97	18.96		
20	1	99		18.99	18.93	18.71		
20	50	0		18.93	19.00	18.89		
20	50	24		18.89	18.90	18.85		
20	50	50		18.86	18.78	18.83		
20	100	0		18.91	18.95	18.93		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.64	23.68	23.68	22.88	0.1941
15	1	37		23.50	23.60	23.66		
15	1	74		23.61	23.38	23.60		
15	36	0		22.65	22.69	22.65		
15	36	20		22.68	22.64	22.71		
15	36	39		22.62	22.55	22.71		
15	75	0		22.64	22.69	22.73		
15	1	0	16-QAM	22.52	23.19	23.06	22.39	0.1734
15	1	37		22.81	22.87	22.93		
15	1	74		22.84	22.81	23.04		
15	36	0		21.73	21.72	21.79		
15	36	20		21.75	21.67	21.69		
15	36	39		21.64	21.62	21.75		
15	75	0		21.67	21.77	21.58		
15	1	0	64-QAM	21.75	22.03	22.10	21.30	0.1349
15	1	37		21.78	21.78	21.89		
15	1	74		21.50	21.69	22.01		
15	36	0		20.73	20.76	20.80		
15	36	20		20.62	20.70	20.72		
15	36	39		20.68	20.63	20.71		
15	75	0		20.68	20.68	20.64		
15	1	0	256-QAM	19.02	19.10	19.13	18.34	0.0682
15	1	37		19.06	18.81	19.02		
15	1	74		18.83	18.94	18.81		
15	36	0		18.91	19.01	19.14		
15	36	20		18.94	18.88	18.85		
15	36	39		18.91	18.84	18.80		
15	75	0		18.86	18.90	18.95		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.66	23.73	23.64	22.93	0.1963
10	1	25		23.52	23.51	23.41		
10	1	49		23.56	23.52	23.52		
10	25	0		22.63	22.66	22.56		
10	25	12		22.63	22.61	22.58		
10	25	25		22.61	22.57	22.58		
10	50	0		22.60	22.60	22.58		
10	1	0	16-QAM	22.90	23.05	22.87	22.25	0.1679
10	1	25		22.79	22.88	22.89		
10	1	49		22.83	22.85	22.78		
10	25	0		21.68	21.73	21.64		
10	25	12		21.67	21.70	21.64		
10	25	25		21.65	21.66	21.64		
10	50	0		21.64	21.68	21.61		
10	1	0	64-QAM	21.80	21.88	21.75	21.08	0.1282
10	1	25		21.67	21.78	21.68		
10	1	49		21.79	21.74	21.73		
10	25	0		20.64	20.69	20.59		
10	25	12		20.62	20.67	20.59		
10	25	25		20.64	20.66	20.64		
10	50	0		20.67	20.68	20.65		
10	1	0	256-QAM	19.12	19.07	18.96	18.32	0.0679
10	1	25		19.02	18.88	18.81		
10	1	49		19.04	18.89	18.78		
10	25	0		18.90	18.98	19.04		
10	25	12		18.86	18.85	18.88		
10	25	25		18.88	18.87	18.84		
10	50	0		18.90	18.92	18.89		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.69	23.76	23.72	23.00	0.1995
5	1	12		23.75	23.78	23.80		
5	1	24		23.74	23.70	23.75		
5	12	0		22.85	22.88	22.87		
5	12	7		22.84	22.84	22.86		
5	12	13		22.85	22.85	22.84		
5	25	0		22.80	22.76	22.81		
5	1	0	16-QAM	23.10	23.19	23.10	22.39	0.1734
5	1	12		23.17	23.17	23.12		
5	1	24		23.08	23.10	23.11		
5	12	0		21.84	21.86	21.86		
5	12	7		21.82	21.85	21.86		
5	12	13		21.83	21.82	21.87		
5	25	0		21.83	21.81	21.85		
5	1	0	64-QAM	22.00	22.05	21.97	21.25	0.1334
5	1	12		22.02	22.03	21.92		
5	1	24		21.98	21.94	21.94		
5	12	0		20.84	20.79	20.83		
5	12	7		20.82	20.77	20.83		
5	12	13		20.80	20.76	20.81		
5	25	0		20.80	20.76	20.81		
5	1	0	256-QAM	19.11	19.03	18.99	18.31	0.0678
5	1	12		19.00	18.92	18.94		
5	1	24		19.02	18.99	18.89		
5	12	0		18.92	18.97	18.96		
5	12	7		18.95	18.91	18.81		
5	12	13		18.92	18.80	18.81		
5	25	0		18.87	18.89	18.91		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.67	23.65	23.58	22.87	0.1936
3	1	8		23.51	23.50	23.48		
3	1	14		23.50	23.53	23.54		
3	8	0		22.59	22.66	22.63		
3	8	4		22.62	22.63	22.63		
3	8	7		22.64	22.63	22.67		
3	15	0		22.62	22.67	22.66		
3	1	0	16-QAM	23.00	22.98	23.01	22.21	0.1663
3	1	8		22.85	22.88	22.88		
3	1	14		22.90	22.95	22.97		
3	8	0		21.59	21.64	21.64		
3	8	4		21.60	21.68	21.66		
3	8	7		21.61	21.69	21.66		
3	15	0		21.58	21.65	21.64		
3	1	0	64-QAM	21.72	21.77	21.80	21.00	0.1259
3	1	8		21.60	21.75	21.69		
3	1	14		21.67	21.80	21.77		
3	8	0		20.60	20.63	20.61		
3	8	4		20.64	20.64	20.62		
3	8	7		20.64	20.68	20.64		
3	15	0		20.64	20.66	20.59		
3	1	0	256-QAM	19.04	19.11	19.10	18.31	0.0678
3	1	8		19.00	18.94	18.80		
3	1	14		19.08	18.97	18.84		
3	8	0		18.86	18.87	18.87		
3	8	4		18.90	18.85	18.78		
3	8	7		18.91	18.84	18.79		
3	15	0		18.87	18.88	18.77		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.61	23.57	23.48	22.81	0.1910
1.4	1	3		23.57	23.44	23.43		
1.4	1	5		23.56	23.59	23.46		
1.4	3	0		23.50	23.50	23.42		
1.4	3	1		23.51	23.49	23.53		
1.4	3	3		23.52	23.53	23.47		
1.4	6	0		22.56	22.58	22.52		
1.4	1	0	16-QAM	22.87	22.95	22.87	22.15	0.1641
1.4	1	3		22.82	22.90	22.83		
1.4	1	5		22.89	22.95	22.80		
1.4	3	0		22.61	22.66	22.58		
1.4	3	1		22.62	22.74	22.59		
1.4	3	3		22.69	22.70	22.60		
1.4	6	0		21.60	21.58	21.53		
1.4	1	0	64-QAM	21.76	21.74	21.68	20.97	0.1250
1.4	1	3		21.70	21.77	21.65		
1.4	1	5		21.71	21.77	21.73		
1.4	3	0		21.62	21.63	21.60		
1.4	3	1		21.71	21.72	21.66		
1.4	3	3		21.67	21.69	21.59		
1.4	6	0		20.57	20.59	20.48		
1.4	1	0	256-QAM	19.07	19.02	18.96	18.27	0.0671
1.4	1	3		19.03	19.04	18.88		
1.4	1	5		19.04	18.89	18.85		
1.4	3	0		18.86	18.87	18.77		
1.4	3	1		18.95	18.94	18.72		
1.4	3	3		18.92	18.91	18.83		
1.4	6	0		18.90	18.83	18.79		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.07	23.88	23.93	23.97	0.2495
20	1	49		23.82	23.84	23.86		
20	1	99		23.79	23.72	23.71		
20	50	0		22.91	22.77	22.77		
20	50	24		22.90	22.82	22.75		
20	50	50		22.87	22.81	22.70		
20	100	0		22.86	22.79	22.71		
20	1	0	16-QAM	23.14	23.04	23.17	23.07	0.2028
20	1	49		23.03	23.05	23.09		
20	1	99		22.99	22.93	22.94		
20	50	0		21.86	21.88	21.87		
20	50	24		21.88	21.90	21.91		
20	50	50		21.88	21.90	21.85		
20	100	0		21.85	21.85	21.86		
20	1	0	64-QAM	22.08	22.22	22.26	22.16	0.1644
20	1	49		22.13	22.16	22.18		
20	1	99		22.09	22.09	21.94		
20	50	0		21.09	21.10	21.08		
20	50	24		21.10	21.12	21.14		
20	50	50		21.07	21.07	21.05		
20	100	0		21.02	21.03	21.02		
20	1	0	256-QAM	20.11	20.41	20.19	20.31	0.1074
20	1	49		20.17	20.16	20.30		
20	1	99		20.25	20.24	20.22		
20	50	0		19.92	19.96	19.97		
20	50	24		19.99	19.99	19.98		
20	50	50		20.01	20.01	19.95		
20	100	0		20.01	20.02	19.98		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.84	23.65	23.61	23.74	0.2366
15	1	37		23.55	23.46	23.48		
15	1	74		23.47	23.54	23.29		
15	36	0		22.61	22.61	22.62		
15	36	20		22.71	22.55	22.61		
15	36	39		22.70	22.58	22.45		
15	75	0		22.67	22.50	22.57		
15	1	0	16-QAM	22.72	22.59	23.01	23.25	0.2113
15	1	37		22.77	22.81	23.35		
15	1	74		22.59	22.48	22.72		
15	36	0		21.59	21.60	21.78		
15	36	20		21.50	21.65	21.66		
15	36	39		21.68	21.60	21.65		
15	75	0		21.63	21.68	21.52		
15	1	0	64-QAM	22.23	21.82	21.81	22.15	0.1641
15	1	37		21.84	21.79	21.98		
15	1	74		22.25	21.71	21.78		
15	36	0		20.74	20.79	20.81		
15	36	20		20.80	20.77	20.88		
15	36	39		20.73	20.67	20.74		
15	75	0		20.66	20.72	20.73		
15	1	0	256-QAM	20.33	20.31	20.43	20.33	0.1079
15	1	37		20.26	20.28	20.32		
15	1	74		20.21	20.27	20.30		
15	36	0		20.04	20.07	20.11		
15	36	20		20.04	20.12	20.08		
15	36	39		20.05	20.11	20.06		
15	75	0		20.03	20.08	20.02		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.05	23.88	23.90	23.95	0.2483
10	1	25		23.77	23.75	23.67		
10	1	49		23.78	23.81	23.56		
10	25	0		22.90	22.92	22.76		
10	25	12		22.89	22.89	22.82		
10	25	25		22.88	22.92	22.82		
10	50	0		22.93	22.94	22.88		
10	1	0	16-QAM	23.16	23.21	23.24	23.14	0.2061
10	1	25		23.12	23.18	23.07		
10	1	49		23.07	23.13	22.89		
10	25	0		21.96	21.99	21.97		
10	25	12		22.01	22.10	21.97		
10	25	25		22.06	22.13	22.01		
10	50	0		22.05	22.09	22.06		
10	1	0	64-QAM	22.22	22.32	22.39	22.29	0.1694
10	1	25		22.27	22.37	22.37		
10	1	49		22.30	22.31	22.33		
10	25	0		21.14	21.16	21.14		
10	25	12		21.10	21.13	21.14		
10	25	25		21.09	21.17	21.13		
10	50	0		21.13	21.23	21.22		
10	1	0	256-QAM	20.00	20.27	19.99	20.17	0.1040
10	1	25		20.01	19.98	20.15		
10	1	49		20.07	20.12	20.07		
10	25	0		19.77	19.86	19.81		
10	25	12		19.89	19.87	19.78		
10	25	25		19.83	19.87	19.78		
10	50	0		19.86	19.86	19.82		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.54	23.61	23.56	23.59	0.2286
5	1	12		23.60	23.69	23.58		
5	1	24		23.55	23.63	23.51		
5	12	0		22.61	22.68	22.63		
5	12	7		22.63	22.70	22.62		
5	12	13		22.63	22.69	22.61		
5	25	0		22.61	22.65	22.56		
5	1	0	16-QAM	22.92	23.01	22.98	22.91	0.1954
5	1	12		22.94	22.93	22.99		
5	1	24		22.85	22.98	22.97		
5	12	0		21.65	21.73	21.73		
5	12	7		21.65	21.72	21.71		
5	12	13		21.65	21.71	21.67		
5	25	0		21.63	21.69	21.63		
5	1	0	64-QAM	21.78	21.83	21.84	21.83	0.1524
5	1	12		21.67	21.89	21.93		
5	1	24		21.64	21.81	21.78		
5	12	0		20.64	20.74	20.68		
5	12	7		20.66	20.72	20.67		
5	12	13		20.64	20.68	20.64		
5	25	0		20.59	20.66	20.61		
5	1	0	256-QAM	19.92	20.24	20.05	20.14	0.1033
5	1	12		20.02	20.00	20.13		
5	1	24		20.07	20.06	20.07		
5	12	0		19.79	19.81	19.84		
5	12	7		19.79	19.87	19.78		
5	12	13		19.86	19.91	19.83		
5	25	0		19.84	19.86	19.79		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.72	23.81	23.80	23.71	0.2350
3	1	8		23.46	23.50	23.60		
3	1	14		23.53	23.59	23.51		
3	8	0		22.55	22.64	22.64		
3	8	4		22.57	22.62	22.71		
3	8	7		22.57	22.67	22.74		
3	15	0		22.58	22.68	22.72		
3	1	0	16-QAM	22.94	23.04	23.11	23.01	0.2000
3	1	8		22.75	22.93	22.92		
3	1	14		22.85	22.98	22.91		
3	8	0		21.60	21.79	21.78		
3	8	4		21.63	21.86	21.81		
3	8	7		21.70	21.86	21.95		
3	15	0		21.74	21.97	21.95		
3	1	0	64-QAM	21.87	22.12	22.04	22.03	0.1596
3	1	8		21.80	21.97	22.00		
3	1	14		21.83	22.13	21.99		
3	8	0		20.76	20.96	20.99		
3	8	4		20.74	21.00	21.03		
3	8	7		20.80	21.04	21.09		
3	15	0		20.91	21.15	21.15		
3	1	0	256-QAM	19.94	20.27	20.06	20.17	0.1040
3	1	8		19.97	19.96	20.11		
3	1	14		20.06	20.08	20.06		
3	8	0		19.78	19.77	19.81		
3	8	4		19.85	19.88	19.84		
3	8	7		19.85	19.82	19.78		
3	15	0		19.82	19.84	19.79		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.76	23.85	23.84	23.75	0.2371
1.4	1	3		23.51	23.63	23.68		
1.4	1	5		23.61	23.71	23.71		
1.4	3	0		23.54	23.64	23.58		
1.4	3	1		23.49	23.68	23.57		
1.4	3	3		23.44	23.70	23.61		
1.4	6	0		22.53	22.68	22.63		
1.4	1	0	16-QAM	22.89	23.06	23.03	23.00	0.1995
1.4	1	3		22.81	22.97	22.99		
1.4	1	5		22.92	23.10	23.04		
1.4	3	0		22.70	22.93	22.90		
1.4	3	1		22.70	22.86	22.86		
1.4	3	3		22.68	22.95	22.88		
1.4	6	0		21.69	21.98	21.92		
1.4	1	0	64-QAM	21.87	22.09	22.04	22.17	0.1648
1.4	1	3		21.93	22.14	22.07		
1.4	1	5		22.00	22.27	22.21		
1.4	3	0		21.89	22.14	22.06		
1.4	3	1		21.90	22.15	22.11		
1.4	3	3		21.88	22.13	22.05		
1.4	6	0		20.85	21.07	21.04		
1.4	1	0	256-QAM	20.23	20.22	20.30	20.20	0.1047
1.4	1	3		20.09	20.19	20.23		
1.4	1	5		20.06	20.18	20.21		
1.4	3	0		19.96	20.02	20.08		
1.4	3	1		19.97	20.12	20.12		
1.4	3	3		19.94	20.11	20.06		
1.4	6	0		19.86	20.05	20.08		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.97	24.10	24.00	23.60	0.2291
20	1	49		24.02	23.97	23.95		
20	1	99		23.84	23.72	23.75		
20	50	0		23.05	23.06	22.98		
20	50	24		23.02	22.96	22.92		
20	50	50		22.97	22.89	22.88		
20	100	0		22.99	22.93	22.91		
20	1	0	16-QAM	23.30	23.40	23.43	22.93	0.1963
20	1	49		23.26	23.32	23.29		
20	1	99		23.25	23.10	23.06		
20	50	0		22.03	22.05	22.01		
20	50	24		21.98	22.00	21.98		
20	50	50		21.95	21.91	21.91		
20	100	0		21.95	21.92	21.91		
20	1	0	64-QAM	22.15	22.25	22.30	21.80	0.1514
20	1	49		22.13	22.19	22.10		
20	1	99		22.14	22.10	22.05		
20	50	0		21.02	21.09	21.05		
20	50	24		21.04	21.18	20.99		
20	50	50		21.01	21.11	21.06		
20	100	0		21.05	21.11	21.09		
20	1	0	256-QAM	20.11	20.25	20.24	19.75	0.0944
20	1	49		19.96	20.01	19.85		
20	1	99		20.10	19.96	19.96		
20	50	0		19.84	19.92	20.01		
20	50	24		19.81	19.86	19.91		
20	50	50		19.86	19.81	19.87		
20	100	0		19.88	19.92	19.96		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.01	24.03	23.90	23.53	0.2254
15	1	37		23.76	23.90	23.85		
15	1	74		23.89	23.88	23.79		
15	36	0		23.04	23.00	23.05		
15	36	20		23.03	22.99	23.02		
15	36	39		22.93	22.95	22.99		
15	75	0		23.01	22.98	22.99		
15	1	0	16-QAM	23.29	23.15	23.64	23.14	0.2061
15	1	37		23.56	23.41	23.39		
15	1	74		23.23	23.31	23.41		
15	36	0		22.10	22.08	22.10		
15	36	20		22.01	22.13	21.92		
15	36	39		22.06	22.00	22.00		
15	75	0		21.98	21.97	21.94		
15	1	0	64-QAM	22.37	22.46	22.37	21.96	0.1570
15	1	37		22.05	22.15	21.91		
15	1	74		21.63	22.16	22.23		
15	36	0		21.01	21.10	21.13		
15	36	20		20.99	21.09	20.99		
15	36	39		21.08	21.04	21.03		
15	75	0		20.98	21.10	20.99		
15	1	0	256-QAM	20.15	20.09	20.30	19.80	0.0955
15	1	37		20.16	20.14	20.26		
15	1	74		20.18	20.10	20.15		
15	36	0		20.14	20.02	20.11		
15	36	20		20.03	19.95	20.09		
15	36	39		19.98	19.96	20.09		
15	75	0		20.02	19.95	20.02		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.01	24.03	24.04	23.54	0.2259
10	1	25		23.68	23.81	23.80		
10	1	49		23.74	23.79	23.76		
10	25	0		22.84	23.02	22.92		
10	25	12		22.89	23.00	22.97		
10	25	25		22.97	22.98	22.97		
10	50	0		22.99	23.02	23.00		
10	1	0	16-QAM	23.03	23.31	23.34	22.84	0.1923
10	1	25		22.97	23.23	23.26		
10	1	49		22.98	23.18	23.18		
10	25	0		22.07	22.15	22.04		
10	25	12		22.03	22.27	22.16		
10	25	25		22.15	22.22	22.19		
10	50	0		22.19	22.20	22.20		
10	1	0	64-QAM	22.34	22.38	22.42	21.94	0.1563
10	1	25		22.32	22.33	22.42		
10	1	49		22.35	22.44	22.41		
10	25	0		21.18	21.25	21.22		
10	25	12		21.19	21.23	21.18		
10	25	25		21.19	21.18	21.17		
10	50	0		21.21	21.27	21.23		
10	1	0	256-QAM	20.11	20.16	20.25	19.75	0.0944
10	1	25		19.92	20.00	20.17		
10	1	49		19.85	19.94	20.13		
10	25	0		19.91	19.93	20.03		
10	25	12		19.84	19.90	20.04		
10	25	25		19.90	19.91	20.01		
10	50	0		19.82	19.88	19.99		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.99	24.06	24.00	23.59	0.2286
5	1	12		24.04	24.06	24.09		
5	1	24		24.01	24.05	24.05		
5	12	0		23.03	23.11	23.07		
5	12	7		23.07	23.11	23.07		
5	12	13		23.06	23.10	23.08		
5	25	0		23.07	23.09	23.07		
5	1	0	16-QAM	23.34	23.48	23.42	22.98	0.1986
5	1	12		23.28	23.34	23.30		
5	1	24		23.32	23.38	23.38		
5	12	0		22.09	22.16	22.13		
5	12	7		22.09	22.17	22.13		
5	12	13		22.06	22.15	22.10		
5	25	0		22.08	22.12	22.06		
5	1	0	64-QAM	22.21	22.26	22.32	21.88	0.1542
5	1	12		22.32	22.31	22.38		
5	1	24		22.12	22.22	22.27		
5	12	0		21.10	21.20	21.11		
5	12	7		21.08	21.14	21.06		
5	12	13		21.06	21.12	21.04		
5	25	0		21.00	21.05	21.01		
5	1	0	256-QAM	20.02	20.13	20.07	19.63	0.0918
5	1	12		19.75	19.82	19.79		
5	1	24		20.09	20.02	20.07		
5	12	0		19.95	19.98	19.98		
5	12	7		19.99	19.94	19.99		
5	12	13		20.03	19.94	19.98		
5	25	0		19.87	19.92	19.88		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.87	23.96	24.06	23.56	0.2270
3	1	8		23.58	23.63	23.91		
3	1	14		23.62	23.68	23.97		
3	8	0		22.63	22.71	23.05		
3	8	4		22.66	22.77	23.07		
3	8	7		22.65	22.84	23.06		
3	15	0		22.68	22.86	23.08		
3	1	0	16-QAM	22.95	23.14	23.39	22.89	0.1945
3	1	8		22.72	22.99	23.25		
3	1	14		22.84	23.05	23.33		
3	8	0		21.68	21.93	22.03		
3	8	4		21.71	21.98	22.07		
3	8	7		21.82	22.11	22.07		
3	15	0		21.88	22.13	22.04		
3	1	0	64-QAM	22.02	22.21	22.17	21.72	0.1486
3	1	8		21.94	22.20	22.16		
3	1	14		21.99	22.22	22.22		
3	8	0		20.87	21.16	21.08		
3	8	4		20.85	21.15	21.09		
3	8	7		20.97	21.15	21.10		
3	15	0		21.07	21.22	21.14		
3	1	0	256-QAM	20.06	20.25	20.06	19.75	0.0944
3	1	8		19.94	20.11	20.00		
3	1	14		19.97	20.09	20.03		
3	8	0		19.83	19.94	19.97		
3	8	4		19.78	19.91	19.93		
3	8	7		19.83	19.95	19.95		
3	15	0		19.77	19.91	19.94		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.86	23.86	24.01	23.53	0.2254
1.4	1	3		23.66	23.82	23.90		
1.4	1	5		23.61	23.86	24.00		
1.4	3	0		23.55	23.71	23.91		
1.4	3	1		23.66	23.72	24.03		
1.4	3	3		23.60	23.67	23.98		
1.4	6	0		22.56	22.84	23.01		
1.4	1	0	16-QAM	22.86	23.20	23.30	22.80	0.1905
1.4	1	3		22.76	23.09	23.20		
1.4	1	5		22.89	23.16	23.28		
1.4	3	0		22.69	22.98	23.09		
1.4	3	1		22.64	22.91	23.07		
1.4	3	3		22.66	22.92	23.03		
1.4	6	0		21.74	22.02	22.03		
1.4	1	0	64-QAM	21.96	22.28	22.19	21.78	0.1507
1.4	1	3		21.83	22.12	22.05		
1.4	1	5		21.99	22.25	22.17		
1.4	3	0		21.83	22.14	22.07		
1.4	3	1		21.86	22.15	22.08		
1.4	3	3		21.96	22.18	22.10		
1.4	6	0		21.00	21.10	21.05		
1.4	1	0	256-QAM	20.04	19.95	20.08	19.62	0.0916
1.4	1	3		19.95	19.91	20.06		
1.4	1	5		20.06	20.02	20.11		
1.4	3	0		19.95	19.88	20.04		
1.4	3	1		20.07	19.96	20.12		
1.4	3	3		20.00	19.98	20.03		
1.4	6	0		19.98	19.89	20.07		
Limit	EIRP < 1W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 0.5 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	21.44	21.03	20.99	23.56	0.2270
20+20	1	0	1	99		15.07	15.05	15.53		
20+20	1	99	1	0		23.06	23.00	23.01		
20+20	100	0	100	0	16-QAM	20.41	19.67	20.07	22.87	0.1936
20+20	1	0	1	99		15.35	15.23	15.94		
20+20	1	99	1	0		22.37	22.33	22.24		
20+20	100	0	100	0	64-QAM	20.44	19.58	20.38	20.97	0.1250
20+20	1	0	1	99		15.50	15.20	15.91		
20+20	1	99	1	0		20.45	20.37	20.47		
20+20	100	0	100	0	256-QAM	18.05	17.80	18.15	18.89	0.0774
20+20	1	0	1	99		15.37	15.48	15.77		
20+20	1	99	1	0		18.38	18.36	18.39		
20+15	100	0	75	0	QPSK	20.91	20.57	21.06	23.40	0.2188
20+15	1	0	1	74		15.08	15.23	15.56		
20+15	1	99	1	0		22.85	22.90	22.85		
20+15	100	0	75	0	16-QAM	19.99	19.63	20.10	22.92	0.1959
20+15	1	0	1	74		15.53	15.33	15.94		
20+15	1	99	1	0		22.35	22.42	22.36		
20+15	100	0	75	0	64-QAM	19.88	19.58	20.02	21.05	0.1274
20+15	1	0	1	74		15.49	15.67	15.91		
20+15	1	99	1	0		20.48	20.55	20.46		
20+15	100	0	75	0	256-QAM	18.06	17.62	18.24	18.94	0.0783
20+15	1	0	1	74		15.47	15.47	15.97		
20+15	1	99	1	0		18.39	18.44	18.41		
15+20	75	0	100	0	QPSK	21.32	20.58	20.99	23.44	0.2208
15+20	1	0	1	99		14.93	15.01	15.32		
15+20	1	74	1	0		22.90	22.94	22.94		
15+20	75	0	100	0	16-QAM	19.84	19.60	19.96	23.09	0.2037
15+20	1	0	1	99		15.36	15.50	15.81		
15+20	1	74	1	0		22.09	22.02	22.59		
15+20	75	0	100	0	64-QAM	19.87	19.57	19.98	20.91	0.1233
15+20	1	0	1	99		15.41	15.46	15.79		
15+20	1	74	1	0		20.37	20.33	20.41		
15+20	75	0	100	0	256-QAM	17.95	17.57	18.14	18.88	0.0773
15+20	1	0	1	99		15.37	15.28	15.81		
15+20	1	74	1	0		18.20	18.23	18.38		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 0.5 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	21.45	20.63	21.19	23.63	0.2307
20+10	1	0	1	74		15.13	15.36	15.64		
20+10	1	99	1	0		22.94	23.13	23.00		
20+10	100	0	75	0	16-QAM	19.94	19.65	20.36	23.33	0.2153
20+10	1	0	1	74		15.56	15.37	16.15		
20+10	1	99	1	0		22.43	22.33	22.83		
20+10	100	0	75	0	64-QAM	19.94	19.68	20.24	20.91	0.1233
20+10	1	0	1	74		15.60	15.45	16.17		
20+10	1	99	1	0		20.41	20.36	20.41		
20+10	100	0	75	0	256-QAM	18.07	17.70	18.36	18.90	0.0776
20+10	1	0	1	74		15.57	15.66	16.05		
20+10	1	99	1	0		18.35	18.23	18.40		
10+20	75	0	100	0	QPSK	20.84	20.65	21.10	23.59	0.2286
10+20	1	0	1	99		14.93	15.20	15.52		
10+20	1	74	1	0		23.09	22.94	22.93		
10+20	75	0	100	0	16-QAM	19.89	20.01	20.60	22.95	0.1972
10+20	1	0	1	99		15.22	15.11	15.89		
10+20	1	74	1	0		22.18	22.05	22.45		
10+20	75	0	100	0	64-QAM	19.96	19.58	20.62	21.12	0.1294
10+20	1	0	1	99		15.23	15.32	15.97		
10+20	1	74	1	0		20.23	20.20	20.52		
10+20	75	0	100	0	256-QAM	17.96	17.67	18.16	18.89	0.0774
10+20	1	0	1	99		15.32	15.42	15.93		
10+20	1	74	1	0		18.39	18.33	18.37		
15+15	75	0	100	0	QPSK	21.32	20.59	21.53	23.71	0.2350
15+15	1	0	1	99		15.05	15.24	15.61		
15+15	1	74	1	0		22.83	22.99	23.21		
15+15	75	0	100	0	16-QAM	19.87	19.73	20.18	23.15	0.2065
15+15	1	0	1	99		15.46	15.44	15.92		
15+15	1	74	1	0		22.29	22.31	22.65		
15+15	75	0	100	0	64-QAM	20.34	19.76	20.58	21.08	0.1282
15+15	1	0	1	99		15.43	15.44	15.89		
15+15	1	74	1	0		20.29	20.36	20.30		
15+15	75	0	100	0	256-QAM	18.00	17.70	18.24	18.94	0.0783
15+15	1	0	1	99		15.51	15.87	15.90		
15+15	1	74	1	0		18.36	18.44	18.44		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 0.5 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	21.44	21.02	21.27	23.73	0.2360
15+10	1	0	1	99		15.21	15.51	15.79		
15+10	1	74	1	0		23.23	22.97	23.07		
15+10	75	0	100	0	16-QAM	19.99	19.66	20.31	23.03	0.2009
15+10	1	0	1	99		15.71	15.68	16.34		
15+10	1	74	1	0		22.29	22.33	22.53		
15+10	75	0	100	0	64-QAM	20.01	19.67	20.47	21.09	0.1285
15+10	1	0	1	99		15.53	15.68	16.23		
15+10	1	74	1	0		20.41	20.54	20.59		
15+10	75	0	100	0	256-QAM	17.99	17.77	18.31	19.01	0.0796
15+10	1	0	1	99		15.58	15.56	16.10		
15+10	1	74	1	0		18.32	18.23	18.51		
Limit	EIRP < 2W					Result			Pass	

LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 0.6 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	22.08	21.59	22.10	24.24	0.2655
20+20	1	0	1	99		15.79	15.81	15.78		
20+20	1	99	1	0		23.64	23.61	23.62		
20+20	100	0	100	0	16-QAM	21.08	20.63	21.10	24.06	0.2547
20+20	1	0	1	99		16.21	16.22	16.26		
20+20	1	99	1	0		23.46	23.41	23.46		
20+20	100	0	100	0	64-QAM	21.03	20.58	21.05	22.15	0.1641
20+20	1	0	1	99		16.19	16.25	16.38		
20+20	1	99	1	0		21.39	21.46	21.55		
20+20	100	0	100	0	256-QAM	19.06	18.60	19.07	19.67	0.0927
20+20	1	0	1	99		15.77	15.76	15.79		
20+20	1	99	1	0		18.97	18.88	18.97		
15+15	75	0	75	0	QPSK	22.06	21.58	22.15	24.27	0.2673
15+15	1	0	1	74		15.77	15.82	15.85		
15+15	1	74	1	0		23.62	23.63	23.67		
15+15	75	0	75	0	16-QAM	21.06	20.59	21.10	24.26	0.2667
15+15	1	0	1	74		16.32	16.20	16.51		
15+15	1	74	1	0		23.66	23.56	23.64		
15+15	75	0	75	0	64-QAM	21.09	20.61	21.13	22.05	0.1603
15+15	1	0	1	74		16.21	16.33	16.18		
15+15	1	74	1	0		21.41	21.45	21.32		
15+15	75	0	75	0	256-QAM	19.09	18.65	19.13	20.09	0.1021
15+15	1	0	1	74		16.15	16.17	15.96		
15+15	1	74	1	0		19.36	19.49	19.15		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 0.6 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	20.95	20.44	21.39	21.99	0.1581
20+20	1	0	1	99		16.77	17.06	17.18		
20+20	1	99	1	0		16.85	17.05	17.19		
20+20	100	0	100	0	16-QAM	21.02	20.52	21.42	22.02	0.1592
20+20	1	0	1	99		16.37	17.11	16.93		
20+20	1	99	1	0		16.41	17.06	16.86		
20+20	100	0	100	0	64-QAM	19.98	19.51	20.42	21.02	0.1265
20+20	1	0	1	99		15.26	15.88	15.72		
20+20	1	99	1	0		15.34	15.68	15.67		
20+20	100	0	100	0	256-QAM	19.11	18.52	19.49	20.09	0.1021
20+20	1	0	1	99		8.45	8.89	9.10		
20+20	1	99	1	0		8.51	8.91	9.07		
20+15	100	0	75	0	QPSK	20.94	20.40	21.42	22.02	0.1592
20+15	1	0	1	74		16.78	17.06	17.25		
20+15	1	99	1	0		16.83	17.03	17.71		
20+15	100	0	75	0	16-QAM	20.99	20.47	21.43	22.03	0.1596
20+15	1	0	1	74		16.31	16.99	16.82		
20+15	1	99	1	0		16.41	16.35	16.98		
20+15	100	0	75	0	64-QAM	20.00	19.44	20.42	21.02	0.1265
20+15	1	0	1	74		15.38	15.33	15.67		
20+15	1	99	1	0		15.49	15.39	15.74		
20+15	100	0	75	0	256-QAM	19.09	18.46	19.52	20.12	0.1028
20+15	1	0	1	74		8.62	8.77	8.94		
20+15	1	99	1	0		8.66	8.67	8.90		
15+20	75	0	100	0	QPSK	20.94	20.41	21.35	21.95	0.1567
15+20	1	0	1	99		16.79	17.00	17.21		
15+20	1	74	1	0		16.82	17.02	17.20		
15+20	75	0	100	0	16-QAM	20.99	20.43	21.35	21.95	0.1567
15+20	1	0	1	99		16.27	16.31	16.77		
15+20	1	74	1	0		16.37	16.24	16.72		
15+20	75	0	100	0	64-QAM	19.96	19.43	20.38	20.98	0.1253
15+20	1	0	1	99		15.36	15.44	15.44		
15+20	1	74	1	0		15.45	15.55	15.66		
15+20	75	0	100	0	256-QAM	19.09	18.44	19.48	20.08	0.1019
15+20	1	0	1	99		8.55	8.34	9.17		
15+20	1	74	1	0		8.46	8.44	9.13		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 0.6 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	20.92	20.46	21.37	21.97	0.1574
20+10	1	0	1	49		16.76	17.07	17.26		
20+10	1	99	1	0		16.83	17.04	17.23		
20+10	100	0	50	0	16-QAM	20.97	20.51	21.42	22.02	0.1592
20+10	1	0	1	49		16.28	16.55	16.99		
20+10	1	99	1	0		16.31	16.45	16.93		
20+10	100	0	50	0	64-QAM	19.95	19.49	20.35	20.95	0.1245
20+10	1	0	1	49		15.21	15.78	15.72		
20+10	1	99	1	0		15.44	.15.80	15.54		
20+10	100	0	50	0	256-QAM	19.12	18.51	19.55	20.15	0.1035
20+10	1	0	1	49		8.55	8.44	8.97		
20+10	1	99	1	0		8.66	8.56	9.14		
10+20	50	0	100	0	QPSK	20.86	20.42	21.31	21.91	0.1552
10+20	1	0	1	99		16.75	17.01	17.19		
10+20	1	49	1	0		16.73	17.00	17.16		
10+20	50	0	100	0	16-QAM	20.87	20.44	21.32	21.92	0.1556
10+20	1	0	1	99		16.39	16.44	16.80		
10+20	1	49	1	0		16.19	16.35	16.73		
10+20	50	0	100	0	64-QAM	19.88	19.49	20.33	20.93	0.1239
10+20	1	0	1	99		15.29	15.32	15.47		
10+20	1	49	1	0		15.15	15.39	15.41		
10+20	50	0	100	0	256-QAM	19.13	18.54	19.57	20.17	0.1040
10+20	1	0	1	99		8.38	8.23	8.95		
10+20	1	49	1	0		8.40	8.36	9.06		
20+5	100	0	25	0	QPSK	20.86	20.55	21.29	21.89	0.1545
20+5	1	0	1	24		16.76	17.06	17.23		
20+5	1	99	1	0		16.79	16.99	17.19		
20+5	100	0	25	0	16-QAM	20.89	20.58	21.30	21.90	0.1549
20+5	1	0	1	24		16.20	16.65	16.69		
20+5	1	99	1	0		16.21	16.67	16.60		
20+5	100	0	25	0	64-QAM	19.86	19.57	20.27	20.87	0.1222
20+5	1	0	1	24		15.59	15.88	15.59		
20+5	1	99	1	0		15.17	15.74	15.47		
20+5	100	0	25	0	256-QAM	19.09	18.59	19.53	20.13	0.1030
20+5	1	0	1	24		8.59	8.36	9.22		
20+5	1	99	1	0		8.70	8.37	8.97		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 0.6 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	20.84	20.53	21.25	21.85	0.1531
5+20	1	0	1	99		16.74	16.99	17.18		
5+20	1	24	1	0		16.67	16.96	17.12		
5+20	25	0	100	0	16-QAM	20.85	20.54	21.28	21.88	0.1542
5+20	1	0	1	99		16.12	16.24	16.71		
5+20	1	24	1	0		16.40	16.26	16.51		
5+20	25	0	100	0	64-QAM	19.82	19.52	20.25	20.85	0.1216
5+20	1	0	1	99		15.18	15.24	15.35		
5+20	1	24	1	0		15.01	15.36	15.35		
5+20	25	0	100	0	256-QAM	19.14	18.60	19.55	20.15	0.1035
5+20	1	0	1	99		8.57	15.28	9.16		
5+20	1	24	1	0		8.35	15.32	9.12		
15+10	75	0	50	0	QPSK	20.87	20.50	21.30	21.90	0.1549
15+10	1	0	1	49		16.78	17.07	17.23		
15+10	1	74	1	0		16.80	17.04	17.23		
15+10	75	0	50	0	16-QAM	20.87	20.52	21.29	21.89	0.1545
15+10	1	0	1	49		16.24	16.44	16.66		
15+10	1	74	1	0		16.33	16.39	16.84		
15+10	75	0	50	0	64-QAM	19.92	19.55	20.35	20.95	0.1245
15+10	1	0	1	49		15.09	15.42	15.62		
15+10	1	74	1	0		15.27	15.40	15.76		
15+10	75	0	50	0	256-QAM	19.12	18.57	19.56	20.16	0.1038
15+10	1	0	1	49		8.41	8.64	9.04		
15+10	1	74	1	0		8.45	8.61	9.07		
10+15	50	0	75	0	QPSK	20.85	20.50	21.27	21.87	0.1538
10+15	1	0	1	74		16.75	17.03	17.22		
10+15	1	49	1	0		16.76	17.02	17.20		
10+15	50	0	75	0	16-QAM	20.86	20.50	21.30	21.90	0.1549
10+15	1	0	1	74		16.36	16.35	16.65		
10+15	1	49	1	0		16.17	16.33	16.85		
10+15	50	0	75	0	64-QAM	19.85	19.54	20.32	20.92	0.1236
10+15	1	0	1	74		15.03	15.22	15.24		
10+15	1	49	1	0		15.16	15.18	15.56		
10+15	50	0	75	0	256-QAM	19.16	18.59	19.60	20.20	0.1047
10+15	1	0	1	74		8.57	8.45	8.96		
10+15	1	49	1	0		8.67	8.55	9.08		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 0.6 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	20.95	20.45	21.38	21.98	0.1578
15+15	1	0	1	74		16.77	17.05	17.23		
15+15	1	74	1	0		16.82	17.05	17.21		
15+15	75	0	75	0	16-QAM	20.96	20.44	21.37	21.97	0.1574
15+15	1	0	1	74		16.27	16.30	16.50		
15+15	1	74	1	0		16.36	16.38	16.53		
15+15	75	0	75	0	64-QAM	20.00	19.50	20.37	20.97	0.1250
15+15	1	0	1	74		15.35	15.52	15.68		
15+15	1	74	1	0		15.45	15.48	15.67		
15+15	75	0	75	0	256-QAM	19.10	18.49	19.50	20.10	0.1023
15+15	1	0	1	74		8.39	8.33	9.12		
15+15	1	74	1	0		8.64	8.23	9.13		
Limit	EIRP < 2W					Result			Pass	

<Tx1 Antenna>

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.35	23.38	23.16	20.78	0.1197
20	1	49		23.36	23.27	23.25		
20	1	99		23.10	23.01	23.11		
20	50	0		22.29	22.30	22.16		
20	50	24		22.28	22.19	22.16		
20	50	50		22.19	22.08	22.13		
20	100	0		22.20	22.21	22.18		
20	1	0	16-QAM	22.57	22.66	22.42	20.06	0.1014
20	1	49		22.55	22.52	22.33		
20	1	99		22.31	22.31	22.40		
20	50	0		21.32	21.28	21.16		
20	50	24		21.27	21.19	21.14		
20	50	50		21.20	21.09	21.14		
20	100	0		21.22	21.16	21.13		
20	1	0	64-QAM	21.49	21.60	21.27	19.00	0.0794
20	1	49		21.48	21.37	21.36		
20	1	99		21.16	21.17	21.26		
20	50	0		20.32	20.28	20.17		
20	50	24		20.29	20.19	20.17		
20	50	50		20.20	20.08	20.13		
20	100	0		20.21	20.16	20.13		
20	1	0	256-QAM	18.91	18.94	18.79	16.34	0.0431
20	1	49		18.92	18.57	18.60		
20	1	99		18.81	18.60	18.58		
20	50	0		18.64	18.69	18.67		
20	50	24		18.61	18.57	18.54		
20	50	50		18.60	18.48	18.45		
20	100	0		18.64	18.63	18.61		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.13	23.12	22.91	20.53	0.1130
15	1	37		23.09	23.02	22.85		
15	1	74		23.02	22.91	22.92		
15	36	0		22.24	22.21	22.04		
15	36	20		22.19	22.14	22.04		
15	36	39		22.14	22.06	22.05		
15	75	0		22.18	22.16	22.07		
15	1	0	16-QAM	22.47	22.50	22.33	19.90	0.0977
15	1	37		22.41	22.39	22.30		
15	1	74		22.35	22.31	22.29		
15	36	0		21.24	21.21	21.07		
15	36	20		21.19	21.12	21.02		
15	36	39		21.14	21.06	21.06		
15	75	0		21.16	21.15	21.04		
15	1	0	64-QAM	21.40	21.36	21.19	18.80	0.0759
15	1	37		21.39	21.26	21.19		
15	1	74		21.19	21.06	21.15		
15	36	0		20.23	20.21	20.10		
15	36	20		20.19	20.13	20.05		
15	36	39		20.16	20.08	20.06		
15	75	0		20.11	20.10	20.01		
15	1	0	256-QAM	18.70	18.86	18.73	16.26	0.0423
15	1	37		18.76	18.85	18.79		
15	1	74		18.60	18.66	18.65		
15	36	0		18.65	18.69	18.67		
15	36	20		18.52	18.62	18.56		
15	36	39		18.52	18.57	18.60		
15	75	0		18.61	18.62	18.66		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.03	23.01	22.76	20.43	0.1104
10	1	25		22.84	22.79	22.62		
10	1	49		22.88	22.77	22.73		
10	25	0		22.00	21.94	21.83		
10	25	12		21.97	21.87	21.81		
10	25	25		21.95	21.83	21.81		
10	50	0		21.97	21.87	21.81		
10	1	0	16-QAM	22.33	22.37	22.15	19.77	0.0948
10	1	25		22.29	22.17	22.10		
10	1	49		22.18	22.12	22.11		
10	25	0		21.00	20.96	20.86		
10	25	12		20.99	20.93	20.86		
10	25	25		20.96	20.88	20.87		
10	50	0		20.96	20.89	20.84		
10	1	0	64-QAM	21.18	21.17	20.99	18.58	0.0721
10	1	25		20.96	20.85	20.86		
10	1	49		21.12	20.87	20.99		
10	25	0		19.97	19.96	19.83		
10	25	12		19.95	19.89	19.80		
10	25	25		19.93	19.85	19.80		
10	50	0		19.96	19.89	19.83		
10	1	0	256-QAM	18.90	18.87	18.80	16.37	0.0434
10	1	25		18.97	18.88	18.66		
10	1	49		18.93	18.75	18.72		
10	25	0		18.67	18.79	18.56		
10	25	12		18.67	18.70	18.55		
10	25	25		18.64	18.62	18.53		
10	50	0		18.65	18.70	18.60		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.11	23.10	22.97	20.56	0.1138
5	1	12		23.16	23.13	23.05		
5	1	24		23.13	23.06	23.02		
5	12	0		22.19	22.19	22.11		
5	12	7		22.17	22.18	22.12		
5	12	13		22.16	22.16	22.12		
5	25	0		22.13	22.09	22.07		
5	1	0	16-QAM	22.42	22.48	22.37	19.88	0.0973
5	1	12		22.41	22.44	22.35		
5	1	24		22.37	22.48	22.38		
5	12	0		21.19	21.18	21.14		
5	12	7		21.19	21.17	21.16		
5	12	13		21.17	21.14	21.13		
5	25	0		21.16	21.13	21.10		
5	1	0	64-QAM	21.31	21.27	21.26	18.80	0.0759
5	1	12		21.40	21.26	21.27		
5	1	24		21.29	21.21	21.21		
5	12	0		20.16	20.15	20.06		
5	12	7		20.16	20.09	20.09		
5	12	13		20.16	20.08	20.09		
5	25	0		20.12	20.09	20.06		
5	1	0	256-QAM	18.84	18.86	18.71	16.31	0.0428
5	1	12		18.87	18.78	18.58		
5	1	24		18.91	18.80	18.67		
5	12	0		18.76	18.67	18.56		
5	12	7		18.78	18.63	18.55		
5	12	13		18.79	18.63	18.58		
5	25	0		18.71	18.69	18.64		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.15	23.19	23.06	20.59	0.1146
3	1	8		23.10	23.05	22.98		
3	1	14		23.13	23.09	23.02		
3	8	0		22.17	22.18	22.13		
3	8	4		22.16	22.16	22.14		
3	8	7		22.17	22.17	22.16		
3	15	0		22.19	22.22	22.17		
3	1	0	16-QAM	22.45	22.46	22.44	19.88	0.0973
3	1	8		22.36	22.41	22.35		
3	1	14		22.44	22.48	22.46		
3	8	0		21.14	21.16	21.13		
3	8	4		21.18	21.17	21.18		
3	8	7		21.13	21.10	21.12		
3	15	0		21.15	21.14	21.15		
3	1	0	64-QAM	21.36	21.31	21.29	18.76	0.0752
3	1	8		21.29	21.25	21.24		
3	1	14		21.26	21.25	21.25		
3	8	0		20.15	20.13	20.12		
3	8	4		20.19	20.15	20.17		
3	8	7		20.21	20.12	20.14		
3	15	0		20.18	20.11	20.12		
3	1	0	256-QAM	18.78	18.74	18.62	16.27	0.0424
3	1	8		18.77	18.76	18.52		
3	1	14		18.87	18.72	18.58		
3	8	0		18.67	18.66	18.55		
3	8	4		18.69	18.67	18.50		
3	8	7		18.74	18.59	18.57		
3	15	0		18.69	18.72	18.55		
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = -2.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.15	23.13	23.05	20.59	0.1146
1.4	1	3		23.05	23.03	22.96		
1.4	1	5		23.19	23.16	23.09		
1.4	3	0		23.16	23.13	23.08		
1.4	3	1		23.15	23.17	23.12		
1.4	3	3		23.14	23.11	23.07		
1.4	6	0		22.15	22.16	22.14		
1.4	1	0	16-QAM	22.43	22.45	22.43	19.85	0.0966
1.4	1	3		22.36	22.39	22.33		
1.4	1	5		22.43	22.45	22.44		
1.4	3	0		22.17	22.24	22.21		
1.4	3	1		22.22	22.30	22.22		
1.4	3	3		22.23	22.22	22.21		
1.4	6	0		21.18	21.14	21.16		
1.4	1	0	64-QAM	21.38	21.32	21.28	18.78	0.0755
1.4	1	3		21.27	21.18	21.27		
1.4	1	5		21.36	21.32	21.32		
1.4	3	0		21.22	21.21	21.17		
1.4	3	1		21.23	21.18	21.21		
1.4	3	3		21.19	21.15	21.13		
1.4	6	0		20.16	20.11	20.15		
1.4	1	0	256-QAM	18.84	18.78	18.66	16.32	0.0429
1.4	1	3		18.81	18.68	18.53		
1.4	1	5		18.92	18.73	18.62		
1.4	3	0		18.69	18.61	18.53		
1.4	3	1		18.67	18.68	18.50		
1.4	3	3		18.69	18.65	18.52		
1.4	6	0		18.64	18.61	18.53		
Limit	EIRP < 2W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.90	23.09	23.21	21.01	0.1262
20	1	49		22.89	23.07	23.12		
20	1	99		22.78	22.79	22.82		
20	50	0		21.96	22.11	22.18		
20	50	24		22.06	22.15	22.14		
20	50	50		22.04	22.11	22.07		
20	100	0		22.04	22.11	22.10		
20	1	0	16-QAM	22.37	22.43	22.54	20.34	0.1081
20	1	49		22.30	22.33	22.46		
20	1	99		22.33	22.33	22.30		
20	50	0		21.11	21.17	21.22		
20	50	24		21.23	21.18	21.22		
20	50	50		21.21	21.25	21.25		
20	100	0		21.19	21.28	21.27		
20	1	0	64-QAM	21.34	21.55	21.57	19.37	0.0865
20	1	49		21.33	21.46	21.51		
20	1	99		21.48	21.34	21.28		
20	50	0		20.42	20.37	20.41		
20	50	24		20.40	20.37	20.43		
20	50	50		20.40	20.35	20.41		
20	100	0		20.36	20.40	20.47		
20	1	0	256-QAM	18.63	18.83	18.75	16.66	0.0463
20	1	49		18.63	18.85	18.63		
20	1	99		18.86	18.79	18.62		
20	50	0		18.49	18.54	18.53		
20	50	24		18.57	18.60	18.54		
20	50	50		18.63	18.61	18.50		
20	100	0		18.68	18.60	18.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.99	23.08	23.07	20.88	0.1225
15	1	37		22.93	22.87	22.84		
15	1	74		23.01	22.88	22.77		
15	36	0		22.03	21.93	21.95		
15	36	20		22.00	21.93	21.91		
15	36	39		21.99	21.91	21.85		
15	75	0		22.00	21.89	21.87		
15	1	0	16-QAM	22.32	22.26	22.32	20.12	0.1028
15	1	37		22.31	22.29	22.20		
15	1	74		22.26	22.16	22.08		
15	36	0		21.02	21.05	21.04		
15	36	20		21.16	21.12	21.12		
15	36	39		21.16	21.13	21.09		
15	75	0		21.17	21.11	21.08		
15	1	0	64-QAM	21.42	21.34	21.36	19.24	0.0839
15	1	37		21.38	21.44	21.40		
15	1	74		21.38	21.30	21.21		
15	36	0		20.27	20.28	20.30		
15	36	20		20.35	20.33	20.32		
15	36	39		20.35	20.32	20.27		
15	75	0		20.28	20.23	20.25		
15	1	0	256-QAM	18.62	18.75	18.74	16.62	0.0459
15	1	37		18.59	18.82	18.57		
15	1	74		18.77	18.77	18.54		
15	36	0		18.43	18.46	18.53		
15	36	20		18.54	18.59	18.49		
15	36	39		18.55	18.59	18.48		
15	75	0		18.67	18.51	18.45		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.19	23.20	23.20	21.00	0.1259
10	1	25		22.96	22.96	23.03		
10	1	49		23.04	23.00	22.90		
10	25	0		22.15	22.04	22.04		
10	25	12		22.14	22.03	22.08		
10	25	25		22.12	22.02	22.08		
10	50	0		22.16	22.05	22.13		
10	1	0	16-QAM	22.39	22.36	22.43	20.23	0.1054
10	1	25		22.27	22.25	22.27		
10	1	49		22.32	22.29	22.18		
10	25	0		21.14	21.19	21.23		
10	25	12		21.25	21.25	21.22		
10	25	25		21.29	21.24	21.20		
10	50	0		21.29	21.23	21.32		
10	1	0	64-QAM	21.55	21.46	21.62	19.42	0.0875
10	1	25		21.43	21.44	21.50		
10	1	49		21.46	21.58	21.56		
10	25	0		20.29	20.38	20.39		
10	25	12		20.39	20.38	20.37		
10	25	25		20.41	20.36	20.32		
10	50	0		20.46	20.41	20.39		
10	1	0	256-QAM	18.54	18.75	18.74	16.62	0.0459
10	1	25		18.56	18.82	18.57		
10	1	49		18.77	18.79	18.56		
10	25	0		18.47	18.47	18.46		
10	25	12		18.47	18.55	18.52		
10	25	25		18.60	18.56	18.50		
10	50	0		18.67	18.55	18.44		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.93	22.98	23.03	20.83	0.1211
5	1	12		22.97	22.90	22.96		
5	1	24		22.98	22.88	22.79		
5	12	0		21.99	21.94	21.90		
5	12	7		21.98	21.93	21.90		
5	12	13		21.98	21.94	21.92		
5	25	0		22.00	21.91	21.92		
5	1	0	16-QAM	22.29	22.33	22.32	20.13	0.1030
5	1	12		22.24	22.33	22.18		
5	1	24		22.23	22.22	22.15		
5	12	0		21.04	21.09	21.10		
5	12	7		21.05	21.20	21.14		
5	12	13		21.10	21.19	21.12		
5	25	0		21.18	21.14	21.13		
5	1	0	64-QAM	21.33	21.36	21.49	19.30	0.0851
5	1	12		21.37	21.35	21.50		
5	1	24		21.31	21.38	21.41		
5	12	0		20.19	20.31	20.28		
5	12	7		20.16	20.33	20.28		
5	12	13		20.17	20.31	20.25		
5	25	0		20.21	20.27	20.23		
5	1	0	256-QAM	18.60	18.83	18.73	16.63	0.0460
5	1	12		18.61	18.80	18.60		
5	1	24		18.83	18.73	18.54		
5	12	0		18.49	18.48	18.43		
5	12	7		18.52	18.52	18.50		
5	12	13		18.62	18.61	18.45		
5	25	0		18.64	18.52	18.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.00	23.10	23.14	20.94	0.1242
3	1	8		22.89	22.88	22.88		
3	1	14		22.95	22.87	22.93		
3	8	0		21.96	21.97	21.99		
3	8	4		21.96	22.06	21.99		
3	8	7		21.96	22.06	21.99		
3	15	0		22.01	22.11	22.03		
3	1	0	16-QAM	22.30	22.47	22.45	20.27	0.1064
3	1	8		22.21	22.31	22.33		
3	1	14		22.27	22.37	22.38		
3	8	0		21.01	21.14	21.06		
3	8	4		21.04	21.19	21.21		
3	8	7		21.13	21.32	21.21		
3	15	0		21.18	21.31	21.25		
3	1	0	64-QAM	21.34	21.42	21.46	19.26	0.0843
3	1	8		21.29	21.40	21.35		
3	1	14		21.34	21.42	21.39		
3	8	0		20.20	20.31	20.25		
3	8	4		20.20	20.40	20.41		
3	8	7		20.29	20.45	20.39		
3	15	0		20.35	20.50	20.41		
3	1	0	256-QAM	18.57	18.77	18.67	16.65	0.0462
3	1	8		18.59	18.81	18.61		
3	1	14		18.85	18.76	18.53		
3	8	0		18.47	18.53	18.49		
3	8	4		18.48	18.50	18.52		
3	8	7		18.57	18.56	18.43		
3	15	0		18.68	18.59	18.54		
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.99	23.03	23.07	20.87	0.1222
1.4	1	3		22.80	22.90	22.85		
1.4	1	5		22.90	22.89	22.95		
1.4	3	0		22.87	22.84	22.87		
1.4	3	1		22.96	22.86	22.91		
1.4	3	3		22.90	22.85	22.78		
1.4	6	0		21.88	21.94	21.91		
1.4	1	0	16-QAM	22.16	22.38	22.35	20.19	0.1045
1.4	1	3		22.10	22.28	22.19		
1.4	1	5		22.17	22.39	22.32		
1.4	3	0		21.96	22.15	22.06		
1.4	3	1		21.96	22.19	22.08		
1.4	3	3		21.97	22.11	22.04		
1.4	6	0		20.94	21.13	21.07		
1.4	1	0	64-QAM	21.25	21.46	21.46	19.26	0.0843
1.4	1	3		21.22	21.40	21.31		
1.4	1	5		21.28	21.43	21.37		
1.4	3	0		21.11	21.28	21.26		
1.4	3	1		21.20	21.31	21.28		
1.4	3	3		21.09	21.25	21.18		
1.4	6	0		20.11	20.38	20.32		
1.4	1	0	256-QAM	18.61	18.68	18.59	16.48	0.0445
1.4	1	3		18.53	18.58	18.44		
1.4	1	5		18.60	18.61	18.45		
1.4	3	0		18.45	18.46	18.38		
1.4	3	1		18.49	18.50	18.38		
1.4	3	3		18.48	18.50	18.41		
1.4	6	0		18.42	18.43	18.37		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.58	23.60	23.55	21.40	0.1380
20	1	49		23.43	23.40	23.33		
20	1	99		23.38	23.21	23.22		
20	50	0		22.54	22.49	22.45		
20	50	24		22.51	22.44	22.37		
20	50	50		22.49	22.36	22.33		
20	100	0		22.50	22.51	22.38		
20	1	0	16-QAM	22.71	22.85	22.90	20.70	0.1175
20	1	49		22.63	22.72	22.59		
20	1	99		22.68	22.58	22.47		
20	50	0		21.53	21.61	21.48		
20	50	24		21.61	21.67	21.48		
20	50	50		21.72	21.58	21.50		
20	100	0		21.66	21.63	21.56		
20	1	0	64-QAM	21.93	21.94	21.95	19.75	0.0944
20	1	49		21.90	21.88	21.75		
20	1	99		21.88	21.69	21.59		
20	50	0		20.73	20.91	20.71		
20	50	24		20.80	20.85	20.76		
20	50	50		20.90	20.77	20.72		
20	100	0		20.87	20.79	20.77		
20	1	0	256-QAM	18.87	19.00	19.00	16.88	0.0488
20	1	49		18.86	18.86	18.74		
20	1	99		19.08	18.90	18.87		
20	50	0		18.74	18.87	18.85		
20	50	24		18.78	18.72	18.72		
20	50	50		18.79	18.67	18.68		
20	100	0		18.77	18.78	18.72		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.39	23.39	23.34	21.22	0.1324
15	1	37		23.37	23.34	23.24		
15	1	74		23.42	23.25	23.23		
15	36	0		22.46	22.41	22.33		
15	36	20		22.45	22.35	22.28		
15	36	39		22.43	22.30	22.26		
15	75	0		22.45	22.32	22.26		
15	1	0	16-QAM	22.72	22.81	22.63	20.61	0.1151
15	1	37		22.66	22.63	22.51		
15	1	74		22.68	22.45	22.42		
15	36	0		21.47	21.45	21.40		
15	36	20		21.42	21.47	21.33		
15	36	39		21.44	21.52	21.35		
15	75	0		21.45	21.55	21.46		
15	1	0	64-QAM	21.64	21.85	21.80	19.65	0.0923
15	1	37		21.66	21.72	21.69		
15	1	74		21.63	21.67	21.57		
15	36	0		20.62	20.65	20.61		
15	36	20		20.64	20.70	20.54		
15	36	39		20.65	20.74	20.49		
15	75	0		20.61	20.73	20.55		
15	1	0	256-QAM	18.81	18.91	18.95	16.88	0.0488
15	1	37		18.77	18.82	18.66		
15	1	74		19.08	18.80	18.80		
15	36	0		18.70	18.82	18.80		
15	36	20		18.73	18.65	18.72		
15	36	39		18.71	18.62	18.65		
15	75	0		18.70	18.74	18.71		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.54	23.57	23.55	21.37	0.1371
10	1	25		23.37	23.33	23.24		
10	1	49		23.35	23.33	23.26		
10	25	0		22.41	22.48	22.35		
10	25	12		22.42	22.46	22.37		
10	25	25		22.50	22.42	22.36		
10	50	0		22.48	22.46	22.40		
10	1	0	16-QAM	22.62	22.82	22.73	20.62	0.1153
10	1	25		22.51	22.68	22.60		
10	1	49		22.57	22.63	22.57		
10	25	0		21.55	21.55	21.44		
10	25	12		21.61	21.69	21.45		
10	25	25		21.61	21.66	21.58		
10	50	0		21.63	21.68	21.59		
10	1	0	64-QAM	21.84	21.94	21.80	19.74	0.0942
10	1	25		21.76	21.80	21.72		
10	1	49		21.92	21.83	21.83		
10	25	0		20.76	20.81	20.60		
10	25	12		20.77	20.87	20.64		
10	25	25		20.76	20.82	20.72		
10	50	0		20.78	20.88	20.80		
10	1	0	256-QAM	18.87	18.99	18.98	16.85	0.0484
10	1	25		18.76	18.82	18.73		
10	1	49		19.05	18.81	18.81		
10	25	0		18.69	18.78	18.78		
10	25	12		18.70	18.71	18.62		
10	25	25		18.75	18.66	18.63		
10	50	0		18.68	18.71	18.65		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.45	23.40	23.37	21.25	0.1334
5	1	12		23.40	23.32	23.29		
5	1	24		23.37	23.24	23.20		
5	12	0		22.41	22.33	22.24		
5	12	7		22.39	22.32	22.23		
5	12	13		22.39	22.31	22.23		
5	25	0		22.44	22.31	22.21		
5	1	0	16-QAM	22.69	22.67	22.55	20.49	0.1119
5	1	12		22.58	22.56	22.50		
5	1	24		22.60	22.55	22.49		
5	12	0		21.45	21.52	21.40		
5	12	7		21.44	21.57	21.49		
5	12	13		21.41	21.54	21.48		
5	25	0		21.44	21.56	21.46		
5	1	0	64-QAM	21.62	21.86	21.71	19.66	0.0925
5	1	12		21.65	21.81	21.71		
5	1	24		21.67	21.81	21.69		
5	12	0		20.60	20.74	20.65		
5	12	7		20.58	20.72	20.64		
5	12	13		20.57	20.68	20.62		
5	25	0		20.59	20.69	20.58		
5	1	0	256-QAM	18.77	18.94	18.92	16.82	0.0481
5	1	12		18.86	18.81	18.65		
5	1	24		19.02	18.90	18.87		
5	12	0		18.69	18.82	18.76		
5	12	7		18.73	18.71	18.70		
5	12	13		18.79	18.61	18.60		
5	25	0		18.75	18.72	18.67		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.57	23.51	23.58	21.38	0.1374
3	1	8		23.27	23.33	23.47		
3	1	14		23.34	23.26	23.53		
3	8	0		22.35	22.38	22.56		
3	8	4		22.35	22.44	22.58		
3	8	7		22.36	22.46	22.58		
3	15	0		22.38	22.49	22.62		
3	1	0	16-QAM	22.71	22.86	22.92	20.72	0.1180
3	1	8		22.56	22.76	22.76		
3	1	14		22.68	22.82	22.87		
3	8	0		21.38	21.52	21.67		
3	8	4		21.40	21.63	21.72		
3	8	7		21.52	21.68	21.70		
3	15	0		21.57	21.72	21.69		
3	1	0	64-QAM	21.73	21.90	21.84	19.70	0.0933
3	1	8		21.67	21.78	21.80		
3	1	14		21.74	21.83	21.86		
3	8	0		20.59	20.76	20.76		
3	8	4		20.60	20.88	20.78		
3	8	7		20.62	20.88	20.76		
3	15	0		20.74	20.91	20.79		
3	1	0	256-QAM	18.84	18.93	18.98	16.86	0.0485
3	1	8		18.79	18.79	18.64		
3	1	14		19.06	18.88	18.78		
3	8	0		18.72	18.82	18.79		
3	8	4		18.78	18.65	18.70		
3	8	7		18.74	18.59	18.58		
3	15	0		18.74	18.73	18.69		
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.46	23.40	23.55	21.36	0.1368
1.4	1	3		23.22	23.21	23.44		
1.4	1	5		23.31	23.26	23.56		
1.4	3	0		23.27	23.22	23.46		
1.4	3	1		23.38	23.21	23.52		
1.4	3	3		23.32	23.22	23.50		
1.4	6	0		22.31	22.25	22.51		
1.4	1	0	16-QAM	22.60	22.69	22.78	20.60	0.1148
1.4	1	3		22.46	22.62	22.62		
1.4	1	5		22.60	22.72	22.80		
1.4	3	0		22.37	22.47	22.55		
1.4	3	1		22.41	22.52	22.57		
1.4	3	3		22.33	22.51	22.58		
1.4	6	0		21.36	21.50	21.67		
1.4	1	0	64-QAM	21.58	21.76	21.85	19.65	0.0923
1.4	1	3		21.48	21.75	21.78		
1.4	1	5		21.60	21.84	21.82		
1.4	3	0		21.52	21.68	21.75		
1.4	3	1		21.54	21.61	21.73		
1.4	3	3		21.52	21.68	21.68		
1.4	6	0		20.51	20.70	20.72		
1.4	1	0	256-QAM	18.97	18.82	18.79	16.77	0.0475
1.4	1	3		18.80	18.75	18.66		
1.4	1	5		18.87	18.78	18.77		
1.4	3	0		18.77	18.71	18.74		
1.4	3	1		18.77	18.74	18.74		
1.4	3	3		18.78	18.74	18.71		
1.4	6	0		18.69	18.67	18.64		
Limit	EIRP < 1W			Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -1.7 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	20.65	20.30	20.12	20.49	0.1119
20+20	1	0	1	99		14.40	14.17	14.71		
20+20	1	99	1	0		22.19	22.17	22.16		
20+20	100	0	100	0	16-QAM	19.26	19.31	19.20	20.23	0.1054
20+20	1	0	1	99		14.80	14.67	15.25		
20+20	1	99	1	0		21.69	21.93	21.67		
20+20	100	0	100	0	64-QAM	19.24	19.28	19.20	17.91	0.0618
20+20	1	0	1	99		14.78	14.63	15.05		
20+20	1	99	1	0		19.61	19.57	19.56		
20+20	100	0	100	0	256-QAM	17.27	17.23	17.14	15.90	0.0389
20+20	1	0	1	99		14.84	14.59	15.10		
20+20	1	99	1	0		17.56	17.60	17.52		
20+15	100	0	75	0	QPSK	20.22	20.20	20.73	20.73	0.1183
20+15	1	0	1	74		14.51	14.41	14.73		
20+15	1	99	1	0		22.43	22.32	22.32		
20+15	100	0	75	0	16-QAM	19.22	19.26	19.29	20.09	0.1021
20+15	1	0	1	74		14.89	14.76	15.19		
20+15	1	99	1	0		21.79	21.47	21.68		
20+15	100	0	75	0	64-QAM	19.22	19.31	19.30	17.95	0.0624
20+15	1	0	1	74		14.90	14.66	15.11		
20+15	1	99	1	0		19.55	19.65	19.55		
20+15	100	0	75	0	256-QAM	17.24	17.29	17.29	15.95	0.0394
20+15	1	0	1	74		14.84	14.70	15.00		
20+15	1	99	1	0		17.60	17.65	17.48		
15+20	75	0	100	0	QPSK	20.15	20.27	20.60	20.76	0.1191
15+20	1	0	1	99		14.36	14.29	14.63		
15+20	1	74	1	0		22.14	22.19	22.46		
15+20	75	0	100	0	16-QAM	19.17	19.26	19.11	20.10	0.1023
15+20	1	0	1	99		14.86	14.68	15.04		
15+20	1	74	1	0		21.80	21.63	21.74		
15+20	75	0	100	0	64-QAM	19.15	19.30	19.20	18.06	0.0640
15+20	1	0	1	99		14.83	14.65	15.16		
15+20	1	74	1	0		19.60	19.76	19.67		
15+20	75	0	100	0	256-QAM	17.19	17.27	17.14	15.85	0.0385
15+20	1	0	1	99		14.63	14.60	15.06		
15+20	1	74	1	0		17.46	17.54	17.55		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -1.7 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	20.41	20.37	20.62	20.57	0.1140
20+10	1	0	1	74		14.60	14.69	14.89		
20+10	1	99	1	0		22.27	22.19	22.26		
20+10	100	0	75	0	16-QAM	19.27	19.38	19.56	20.56	0.1138
20+10	1	0	1	74		15.14	15.01	15.29		
20+10	1	99	1	0		21.85	22.01	22.26		
20+10	100	0	75	0	64-QAM	19.74	19.40	19.54	18.06	0.0640
20+10	1	0	1	74		15.16	15.05	15.32		
20+10	1	99	1	0		19.67	19.76	19.74		
20+10	100	0	75	0	256-QAM	17.30	17.31	17.47	15.97	0.0395
20+10	1	0	1	74		14.79	14.95	15.34		
20+10	1	99	1	0		17.57	17.67	17.62		
10+20	75	0	100	0	QPSK	20.57	20.36	20.22	20.66	0.1164
10+20	1	0	1	99		14.41	14.49	14.66		
10+20	1	74	1	0		22.36	22.14	22.23		
10+20	75	0	100	0	16-QAM	19.23	19.43	19.37	20.29	0.1069
10+20	1	0	1	99		14.69	14.84	15.04		
10+20	1	74	1	0		21.72	21.99	21.65		
10+20	75	0	100	0	64-QAM	19.25	19.38	19.26	18.05	0.0638
10+20	1	0	1	99		14.86	14.85	15.14		
10+20	1	74	1	0		19.60	19.75	19.61		
10+20	75	0	100	0	256-QAM	17.21	17.34	17.21	15.92	0.0391
10+20	1	0	1	99		14.64	14.75	14.96		
10+20	1	74	1	0		17.46	17.62	17.57		
15+15	75	0	100	0	QPSK	20.22	20.38	20.81	20.87	0.1222
15+15	1	0	1	99		14.51	14.48	14.79		
15+15	1	74	1	0		22.13	22.57	22.25		
15+15	75	0	100	0	16-QAM	19.21	19.37	19.33	20.18	0.1042
15+15	1	0	1	99		14.77	15.04	15.25		
15+15	1	74	1	0		21.88	21.66	21.74		
15+15	75	0	100	0	64-QAM	19.26	19.41	19.35	17.99	0.0630
15+15	1	0	1	99		14.82	14.87	15.06		
15+15	1	74	1	0		19.63	19.69	19.68		
15+15	75	0	100	0	256-QAM	17.16	17.33	17.27	15.93	0.0392
15+15	1	0	1	99		14.92	14.79	15.17		
15+15	1	74	1	0		17.49	17.63	17.51		
Limit	EIRP < 2W					Result			Pass	

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -1.7 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	20.17	20.66	20.46	20.55	0.1135
15+10	1	0	1	99		14.47	14.70	14.92		
15+10	1	74	1	0		22.07	22.09	22.25		
15+10	75	0	100	0	16-QAM	19.22	19.33	19.49	20.17	0.1040
15+10	1	0	1	99		14.90	15.03	15.53		
15+10	1	74	1	0		21.52	21.87	21.79		
15+10	75	0	100	0	64-QAM	19.20	19.49	19.54	18.00	0.0631
15+10	1	0	1	99		14.95	15.08	15.39		
15+10	1	74	1	0		19.50	19.70	19.55		
15+10	75	0	100	0	256-QAM	17.23	17.37	17.45	15.86	0.0385
15+10	1	0	1	99		14.78	15.07	15.28		
15+10	1	74	1	0		17.47	17.55	17.56		
Limit	EIRP < 2W					Result			Pass	

LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = -1.6 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	21.17	21.22	21.26	21.58	0.1439
20+20	1	0	1	99		14.96	14.97	14.99		
20+20	1	99	1	0		23.16	23.16	23.18		
20+20	100	0	100	0	16-QAM	20.25	20.27	20.28	21.19	0.1315
20+20	1	0	1	99		15.37	15.34	15.37		
20+20	1	99	1	0		22.79	22.55	22.56		
20+20	100	0	100	0	64-QAM	20.22	20.24	20.24	18.97	0.0789
20+20	1	0	1	99		15.33	15.25	15.38		
20+20	1	99	1	0		20.57	20.45	20.45		
20+20	100	0	100	0	256-QAM	18.22	18.23	18.25	16.93	0.0493
20+20	1	0	1	99		15.33	15.37	15.24		
20+20	1	99	1	0		18.37	18.53	18.44		
15+15	75	0	75	0	QPSK	21.21	21.31	21.32	21.61	0.1449
15+15	1	0	1	74		14.95	15.00	15.01		
15+15	1	74	1	0		23.15	23.17	23.21		
15+15	75	0	75	0	16-QAM	20.23	20.27	20.29	21.20	0.1318
15+15	1	0	1	74		15.41	15.50	15.62		
15+15	1	74	1	0		22.65	22.48	22.80		
15+15	75	0	75	0	64-QAM	20.26	20.27	20.29	19.14	0.0820
15+15	1	0	1	74		15.16	15.54	15.47		
15+15	1	74	1	0		20.35	20.74	20.66		
15+15	75	0	75	0	256-QAM	18.27	18.26	18.29	16.96	0.0497
15+15	1	0	1	74		15.37	15.17	15.49		
15+15	1	74	1	0		18.56	18.36	18.53		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -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	20.06	20.34	20.43	19.43	0.0877
20+20	1	0	1	99		15.76	16.01	16.17		
20+20	1	99	1	0		15.84	16.01	16.15		
20+20	100	0	100	0	16-QAM	20.08	20.33	20.42	19.42	0.0875
20+20	1	0	1	99		15.69	15.81	15.93		
20+20	1	99	1	0		15.60	15.85	15.96		
20+20	100	0	100	0	64-QAM	19.07	19.31	19.43	18.43	0.0697
20+20	1	0	1	99		14.02	14.52	14.39		
20+20	1	99	1	0		14.44	14.55	14.56		
20+20	100	0	100	0	256-QAM	18.10	18.35	18.43	17.43	0.0553
20+20	1	0	1	99		7.86	8.02	8.23		
20+20	1	99	1	0		7.87	8.05	8.08		
20+15	100	0	75	0	QPSK	20.07	20.29	20.41	19.41	0.0873
20+15	1	0	1	74		15.77	16.02	16.15		
20+15	1	99	1	0		15.81	16.00	16.13		
20+15	100	0	75	0	16-QAM	20.07	20.29	20.44	19.44	0.0879
20+15	1	0	1	74		15.66	15.96	15.89		
20+15	1	99	1	0		15.78	15.89	15.92		
20+15	100	0	75	0	64-QAM	19.08	19.30	19.47	18.47	0.0703
20+15	1	0	1	74		14.14	14.29	14.62		
20+15	1	99	1	0		14.12	14.29	14.58		
20+15	100	0	75	0	256-QAM	18.14	18.34	18.48	17.48	0.0560
20+15	1	0	1	74		7.62	8.18	8.16		
20+15	1	99	1	0		7.67	8.16	8.10		
15+20	75	0	100	0	QPSK	20.10	20.28	20.38	19.38	0.0867
15+20	1	0	1	99		15.78	16.00	16.11		
15+20	1	74	1	0		15.80	16.01	16.10		
15+20	75	0	100	0	16-QAM	20.08	20.29	20.42	19.42	0.0875
15+20	1	0	1	99		15.45	16.03	16.01		
15+20	1	74	1	0		15.63	15.78	15.88		
15+20	75	0	100	0	64-QAM	19.07	19.29	19.40	18.40	0.0692
15+20	1	0	1	99		14.22	14.57	14.15		
15+20	1	74	1	0		14.06	14.65	14.62		
15+20	75	0	100	0	256-QAM	18.13	18.35	18.45	17.45	0.0556
15+20	1	0	1	99		7.78	7.92	8.03		
15+20	1	74	1	0		7.63	8.03	8.19		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -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	20.03	20.26	20.44	19.44	0.0879
20+10	1	0	1	49		15.75	16.03	16.16		
20+10	1	99	1	0		15.79	16.01	16.14		
20+10	100	0	50	0	16-QAM	20.06	20.31	20.45	19.45	0.0881
20+10	1	0	1	49		15.62	16.14	16.23		
20+10	1	99	1	0		15.88	15.95	16.19		
20+10	100	0	50	0	64-QAM	19.06	19.30	19.44	18.44	0.0698
20+10	1	0	1	49		13.89	14.31	14.48		
20+10	1	99	1	0		14.10	14.48	14.29		
20+10	100	0	50	0	256-QAM	18.11	18.37	18.49	17.49	0.0561
20+10	1	0	1	49		7.49	7.98	8.16		
20+10	1	99	1	0		7.94	8.19	8.22		
10+20	50	0	100	0	QPSK	20.03	20.22	20.37	19.37	0.0865
10+20	1	0	1	99		15.73	15.97	16.09		
10+20	1	49	1	0		15.71	15.95	16.06		
10+20	50	0	100	0	16-QAM	20.05	20.30	20.43	19.43	0.0877
10+20	1	0	1	99		15.57	15.67	15.83		
10+20	1	49	1	0		15.57	15.85	15.82		
10+20	50	0	100	0	64-QAM	19.02	19.27	19.40	18.40	0.0692
10+20	1	0	1	99		14.16	14.28	14.23		
10+20	1	49	1	0		14.17	14.49	14.49		
10+20	50	0	100	0	256-QAM	18.12	18.37	18.49	17.49	0.0561
10+20	1	0	1	99		7.55	7.85	7.97		
10+20	1	49	1	0		7.68	8.18	8.05		
20+5	100	0	25	0	QPSK	20.03	20.27	20.36	19.36	0.0863
20+5	1	0	1	24		15.71	16.01	16.08		
20+5	1	99	1	0		15.54	15.94	16.06		
20+5	100	0	25	0	16-QAM	20.03	20.28	20.41	19.41	0.0873
20+5	1	0	1	24		15.61	15.78	16.26		
20+5	1	99	1	0		15.69	15.68	15.78		
20+5	100	0	25	0	64-QAM	19.01	19.25	19.38	18.38	0.0689
20+5	1	0	1	24		14.05	14.29	14.53		
20+5	1	99	1	0		14.25	14.18	14.84		
20+5	100	0	25	0	256-QAM	18.11	18.35	18.47	17.47	0.0558
20+5	1	0	1	24		7.80	8.13	8.32		
20+5	1	99	1	0		7.92	8.02	8.16		
Limit	EIRP < 2W					Result			Pass	

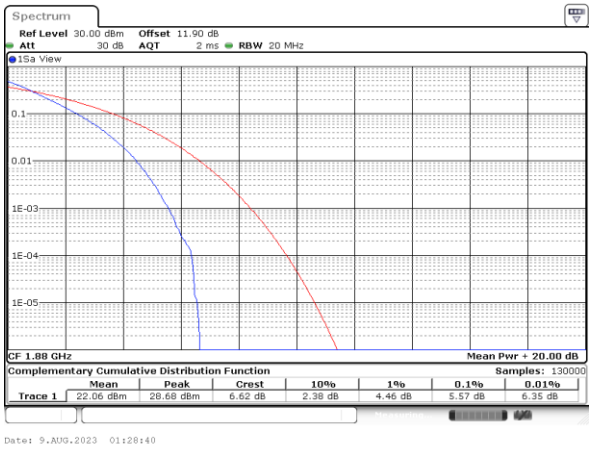
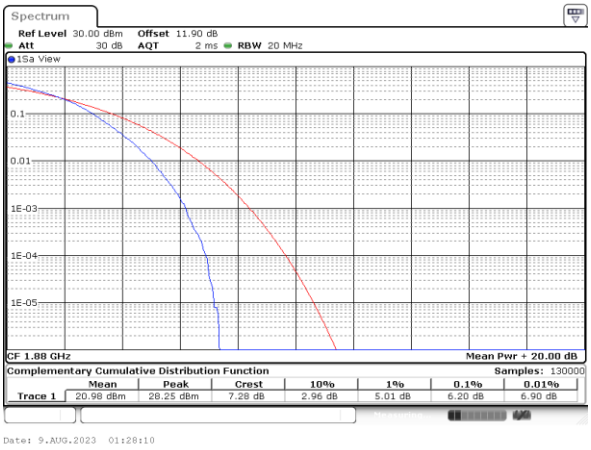
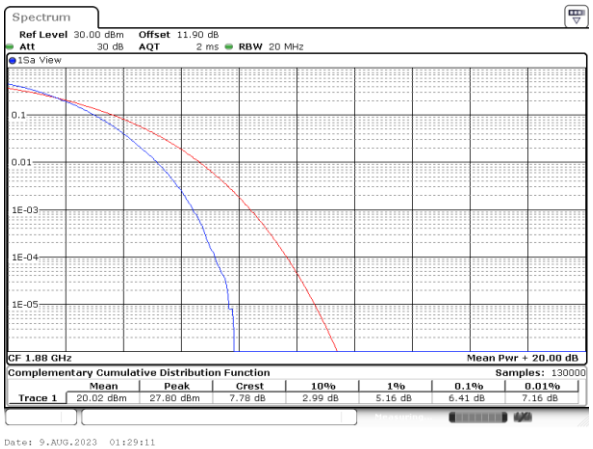
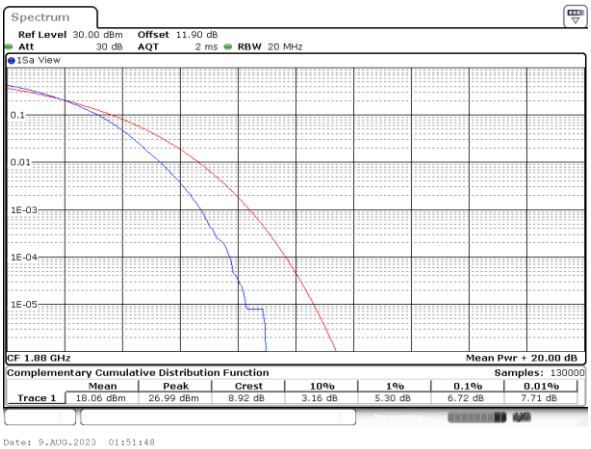
LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	19.98	20.18	20.34	19.34	0.0859
5+20	1	0	1	99		15.69	15.89	16.06		
5+20	1	24	1	0		15.64	15.86	16.00		
5+20	25	0	100	0	16-QAM	20.01	20.23	20.40	19.40	0.0871
5+20	1	0	1	99		15.43	15.64	16.02		
5+20	1	24	1	0		15.55	15.68	15.82		
5+20	25	0	100	0	64-QAM	18.99	19.22	19.39	18.39	0.0690
5+20	1	0	1	99		13.82	14.29	14.58		
5+20	1	24	1	0		13.94	14.40	14.85		
5+20	25	0	100	0	256-QAM	18.17	18.37	18.50	17.50	0.0562
5+20	1	0	1	99		7.75	8.00	8.06		
5+20	1	24	1	0		7.75	7.92	8.12		
15+10	75	0	50	0	QPSK	20.06	20.27	20.40	19.40	0.0871
15+10	1	0	1	49		15.76	15.99	16.13		
15+10	1	74	1	0		15.77	16.00	16.12		
15+10	75	0	50	0	16-QAM	20.08	20.29	20.42	19.42	0.0875
15+10	1	0	1	49		15.79	16.08	15.98		
15+10	1	74	1	0		15.69	15.79	15.90		
15+10	75	0	50	0	64-QAM	19.07	19.31	19.43	18.43	0.0697
15+10	1	0	1	49		14.25	14.74	14.73		
15+10	1	74	1	0		14.35	14.28	14.39		
15+10	75	0	50	0	256-QAM	18.14	18.39	18.49	17.49	0.0561
15+10	1	0	1	49		7.50	8.10	8.18		
15+10	1	74	1	0		7.69	7.99	8.10		
10+15	50	0	75	0	QPSK	20.03	20.25	20.40	19.40	0.0871
10+15	1	0	1	74		15.70	15.96	16.12		
10+15	1	49	1	0		15.75	15.95	16.11		
10+15	50	0	75	0	16-QAM	20.04	20.27	20.44	19.44	0.0879
10+15	1	0	1	74		15.59	15.81	16.05		
10+15	1	49	1	0		15.65	15.82	15.83		
10+15	50	0	75	0	64-QAM	19.05	19.25	19.42	18.42	0.0695
10+15	1	0	1	74		14.47	14.51	14.55		
10+15	1	49	1	0		14.32	14.31	14.75		
10+15	50	0	75	0	256-QAM	18.15	18.39	18.52	17.52	0.0565
10+15	1	0	1	74		7.48	8.08	8.11		
10+15	1	49	1	0		7.75	8.11	8.04		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	20.10	20.29	20.42	19.42	0.0875
15+15	1	0	1	74		15.77	16.01	16.17		
15+15	1	74	1	0		15.82	16.00	16.16		
15+15	75	0	75	0	16-QAM	20.11	20.30	20.41	19.41	0.0873
15+15	1	0	1	74		15.62	15.91	16.11		
15+15	1	74	1	0		15.66	15.93	15.87		
15+15	75	0	75	0	64-QAM	19.05	19.28	19.43	18.43	0.0697
15+15	1	0	1	74		14.17	14.53	14.78		
15+15	1	74	1	0		14.23	14.55	14.56		
15+15	75	0	75	0	256-QAM	18.14	18.33	18.49	17.49	0.0561
15+15	1	0	1	74		7.71	8.23	8.21		
15+15	1	74	1	0		7.95	8.17	8.14		
Limit	EIRP < 2W					Result			Pass	

LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.57	6.20	6.41	6.72	PASS

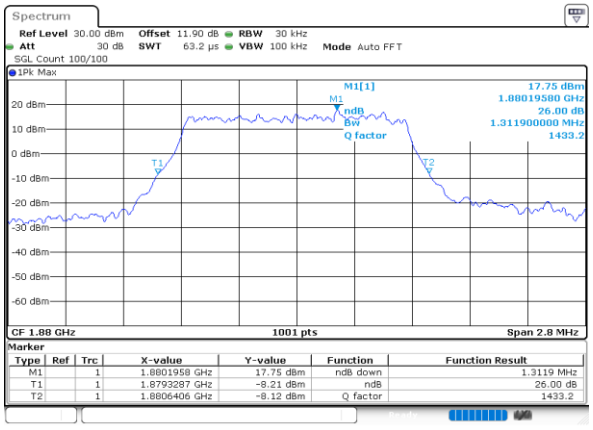
LTE Band 2 / 20MHz / QPSK	LTE Band 2 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 2 / 20MHz / 64QAM	LTE Band 2 / 20MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

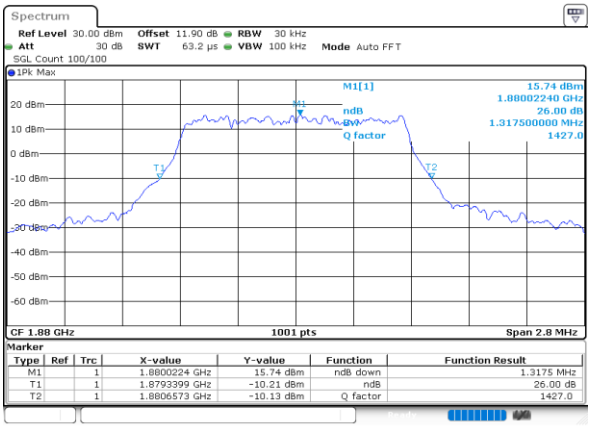
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.31	1.32	3.13	3.20	5.01	5.21	10.01	9.87	14.66	14.90	19.22	19.18
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.28	1.31	3.06	3.16	4.89	4.99	10.15	10.25	14.66	14.93	19.10	19.10

LTE Band 2

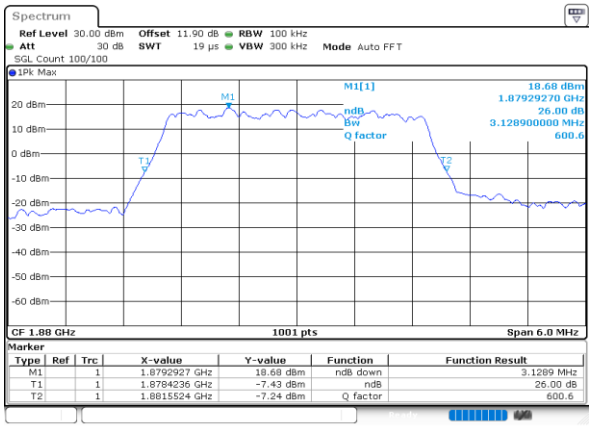
Middle Channel / 1.4MHz / QPSK



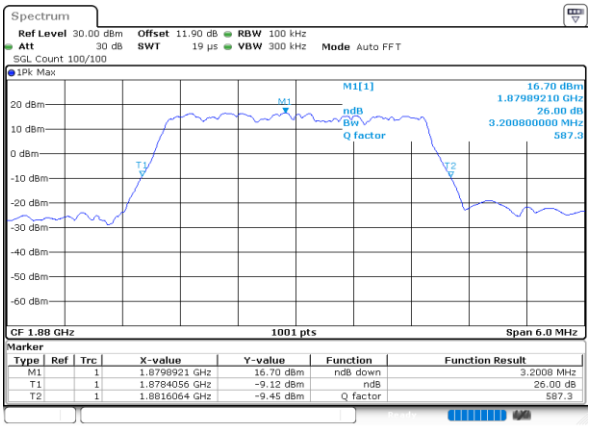
Middle Channel / 1.4MHz / 16QAM



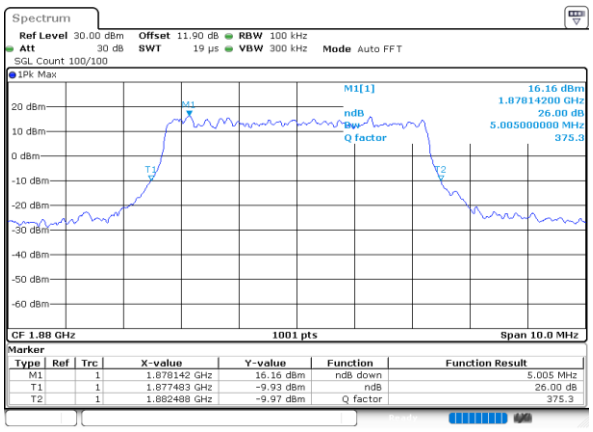
Middle Channel / 3MHz / QPSK



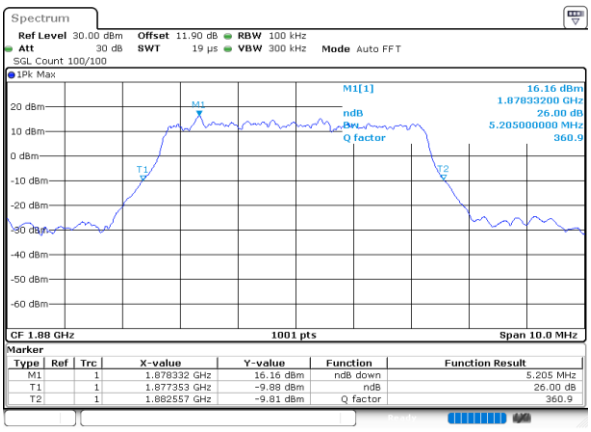
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

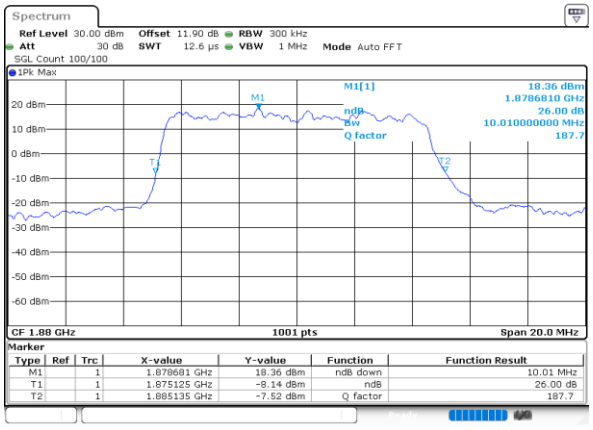


Middle Channel / 5MHz / 16QAM

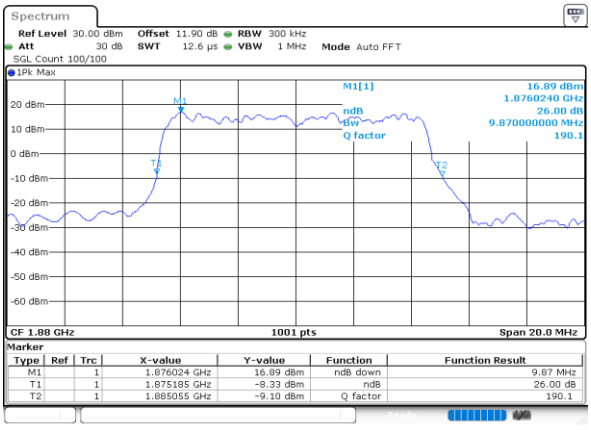


LTE Band 2

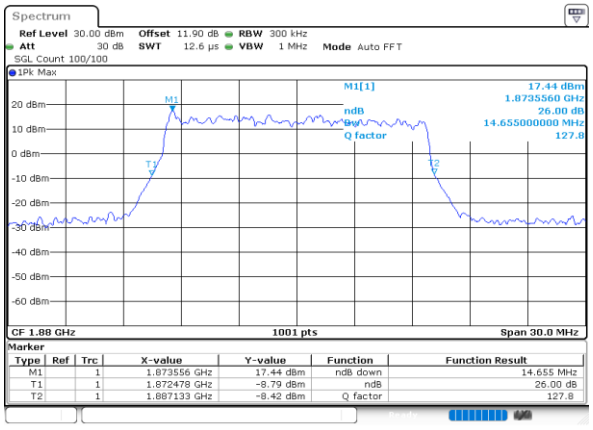
Middle Channel / 10MHz / QPSK



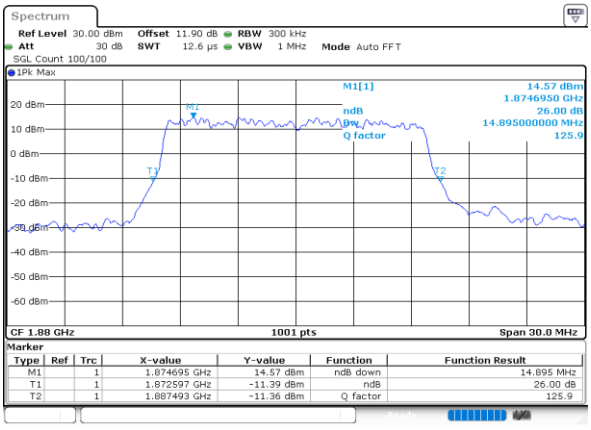
Middle Channel / 10MHz / 16QAM



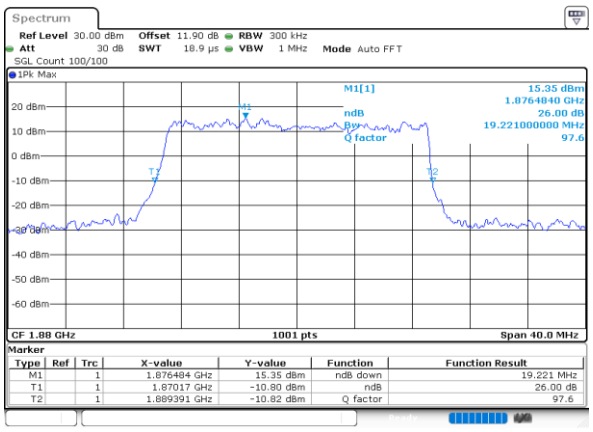
Middle Channel / 15MHz / QPSK



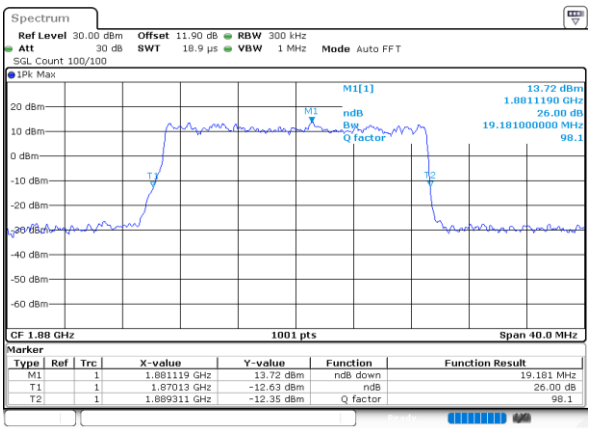
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

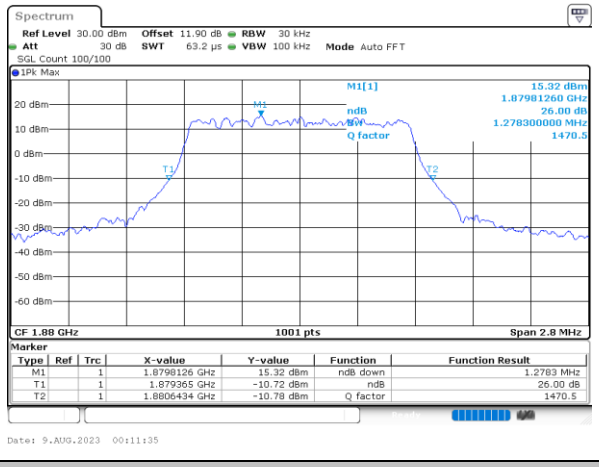


Middle Channel / 20MHz / 16QAM

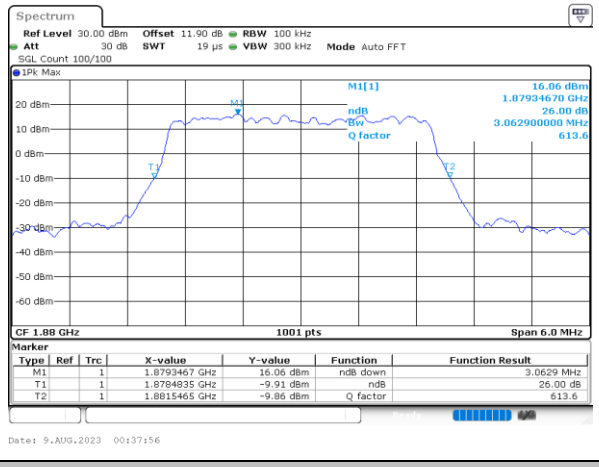


LTE Band 2

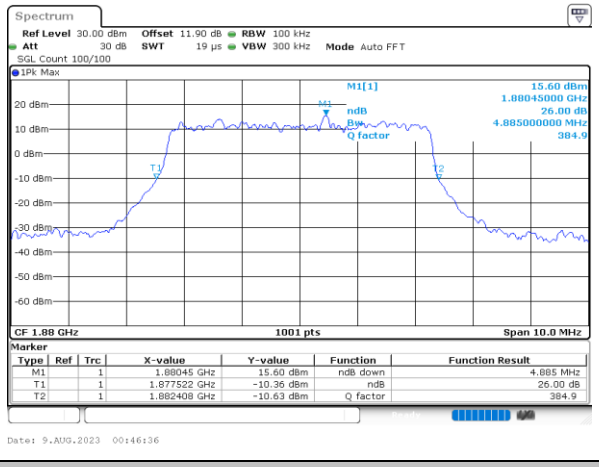
Middle Channel / 1.4MHz / 64QAM



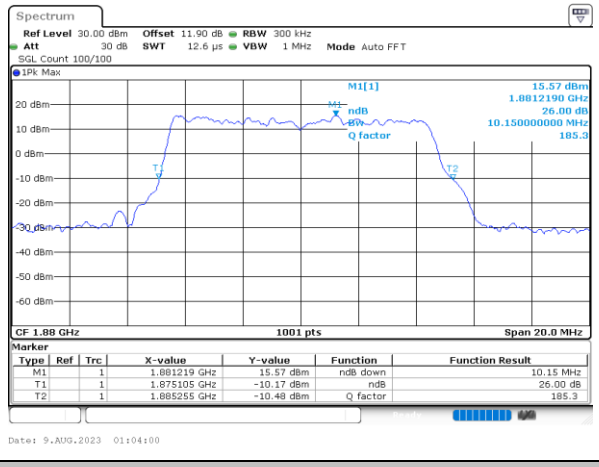
Middle Channel / 3MHz / 64QAM



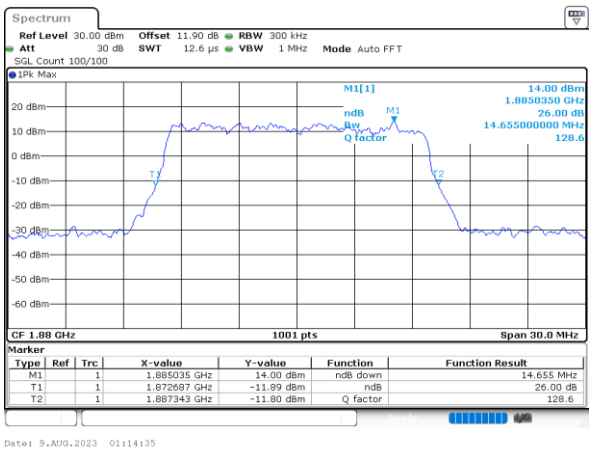
Middle Channel / 5MHz / 64QAM



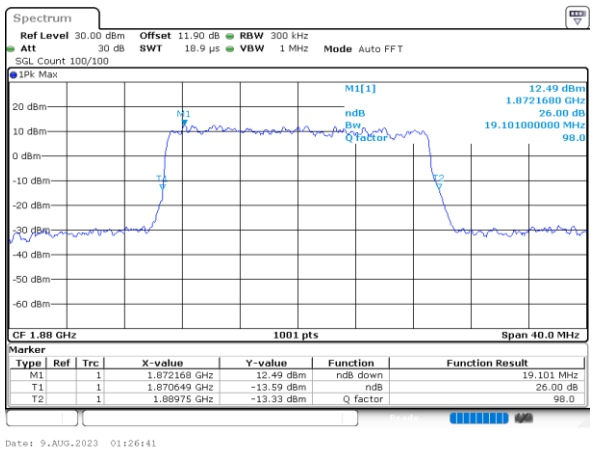
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

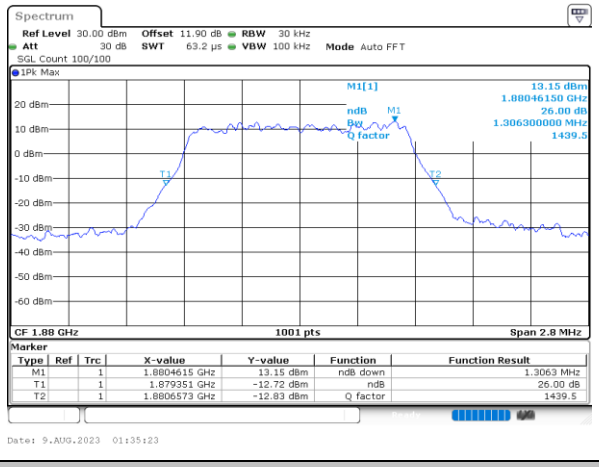


Middle Channel / 20MHz / 64QAM

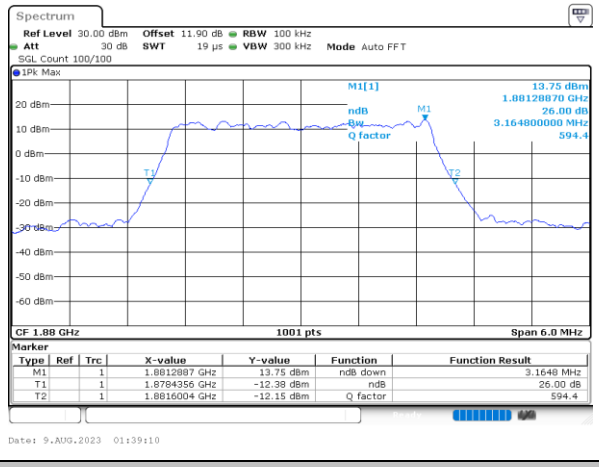


LTE Band 2

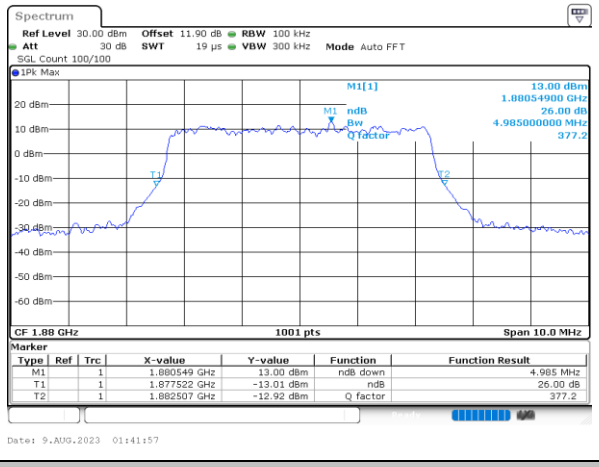
Middle Channel / 1.4MHz / 256QAM



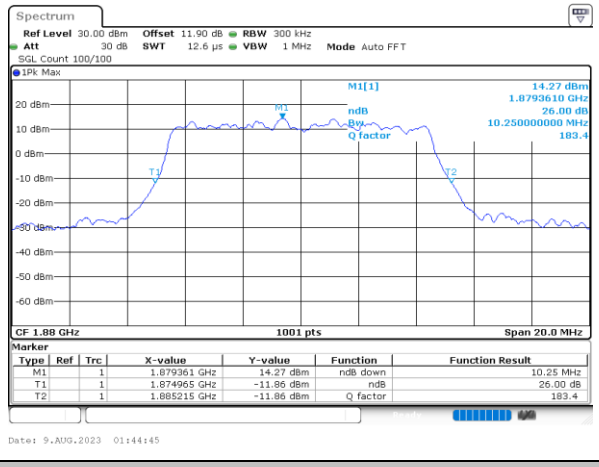
Middle Channel / 3MHz / 256QAM



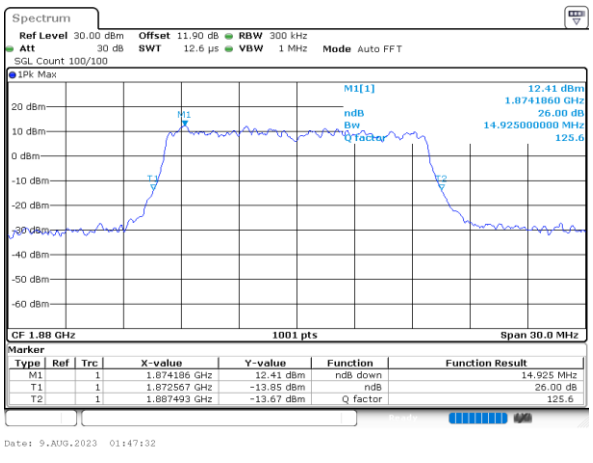
Middle Channel / 5MHz / 256QAM



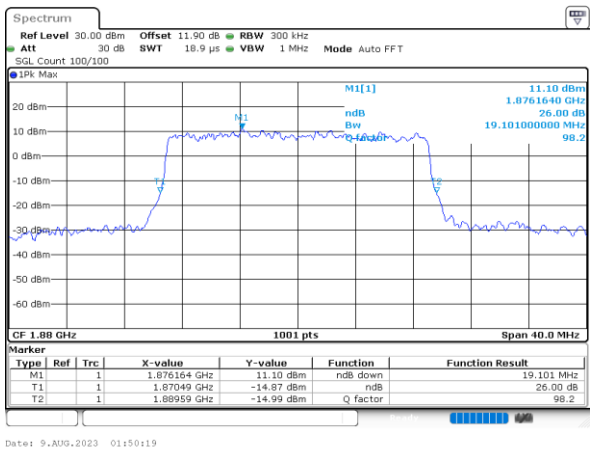
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

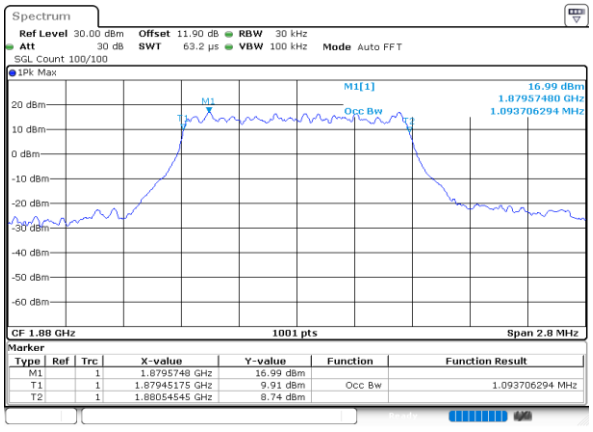


Occupied Bandwidth

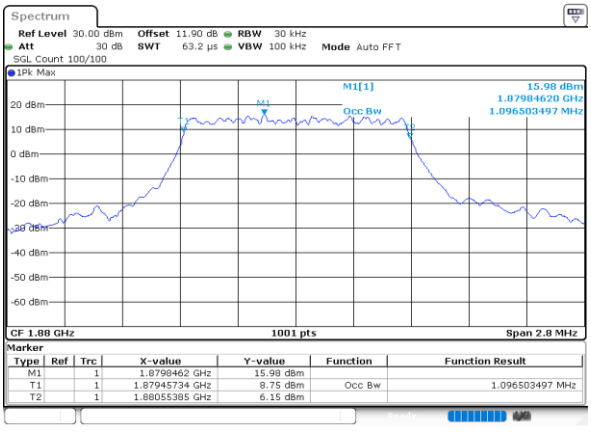
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.72	4.53	4.50	9.11	9.13	13.49	13.40	17.90	17.94
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	1.10	2.77	2.72	4.50	4.52	9.11	9.05	13.58	13.46	17.90	17.94

LTE Band 2

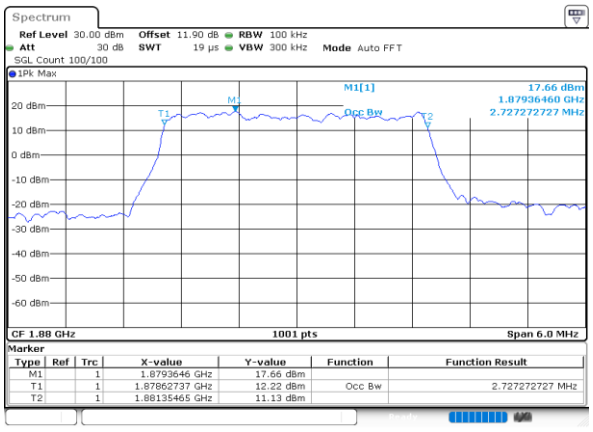
Middle Channel / 1.4MHz / QPSK



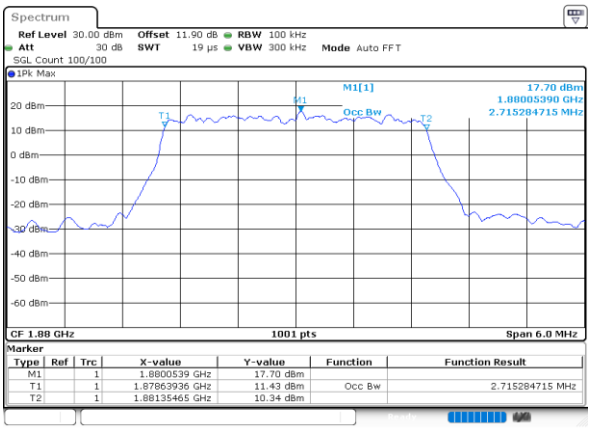
Middle Channel / 1.4MHz / 16QAM



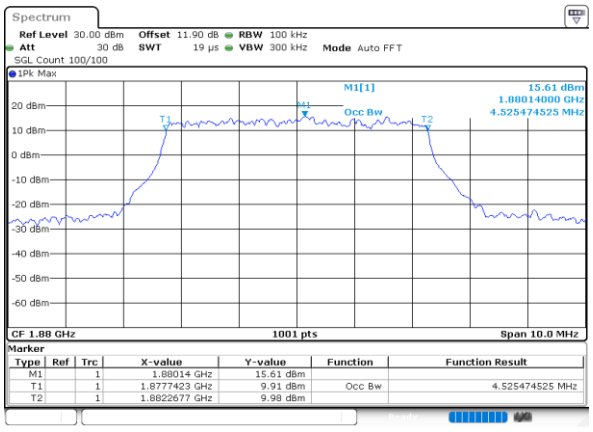
Middle Channel / 3MHz / QPSK



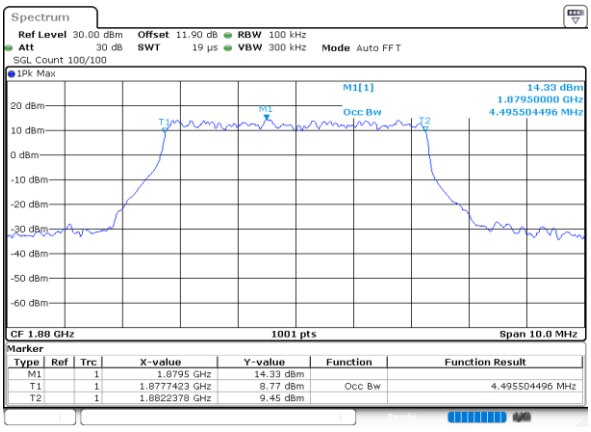
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

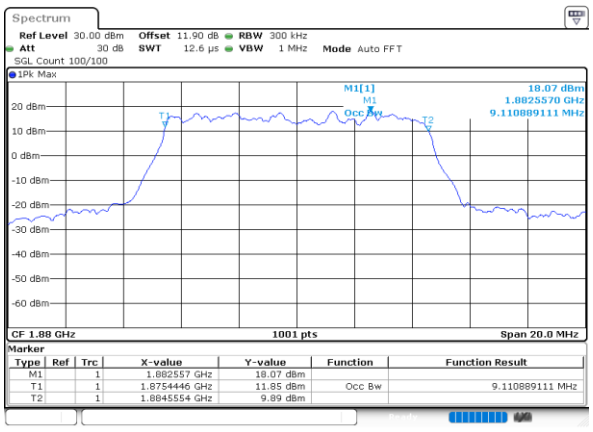


Middle Channel / 5MHz / 16QAM

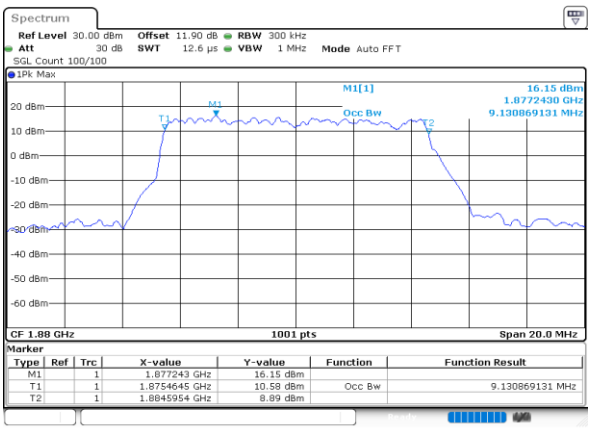


LTE Band 2

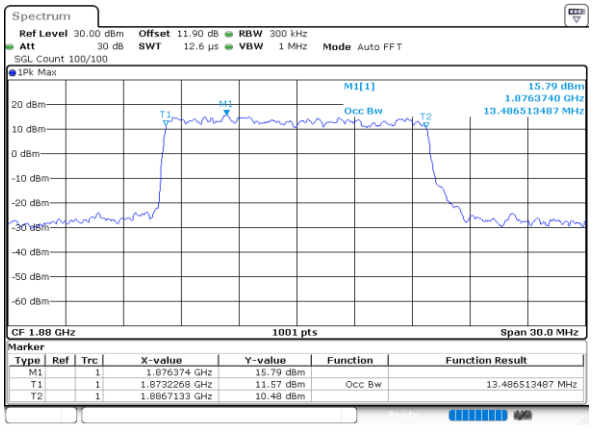
Middle Channel / 10MHz / QPSK



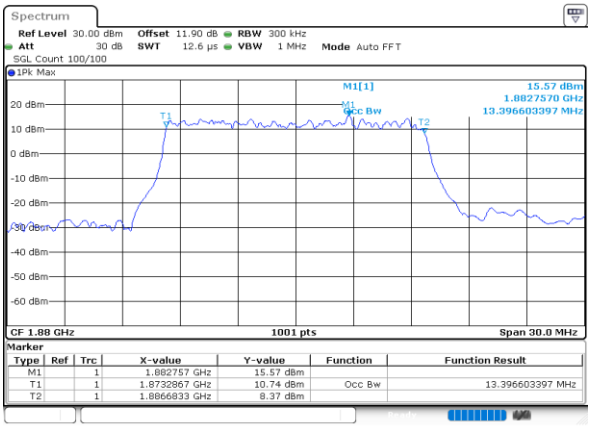
Middle Channel / 10MHz / 16QAM



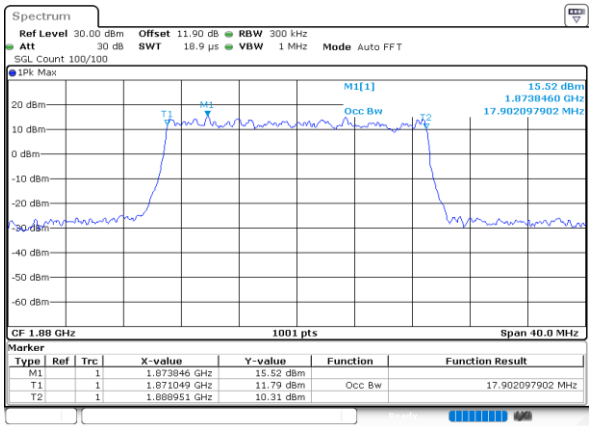
Middle Channel / 15MHz / QPSK



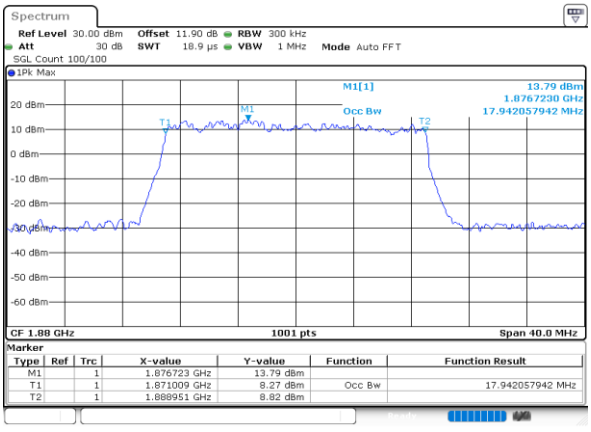
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK

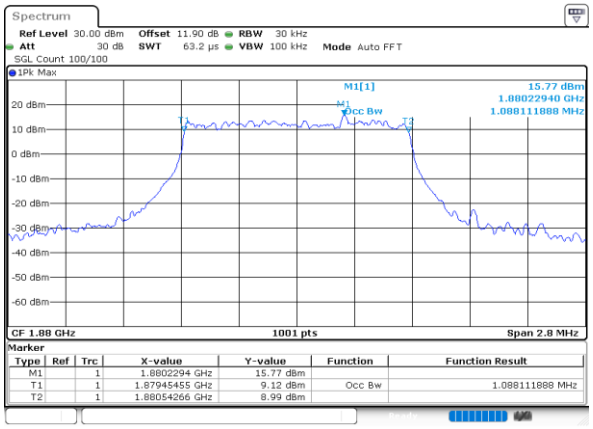


Middle Channel / 20MHz / 16QAM

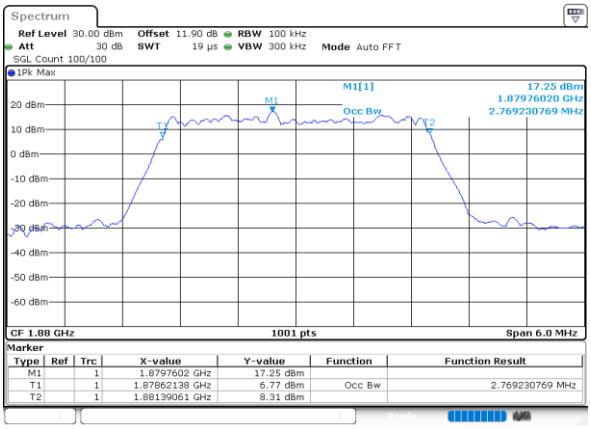


LTE Band 2

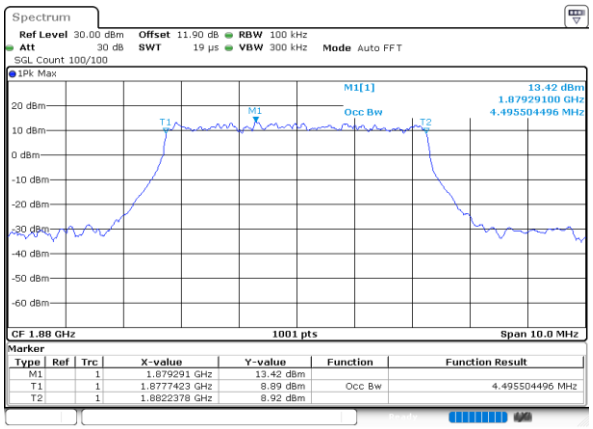
Middle Channel / 1.4MHz / 64QAM



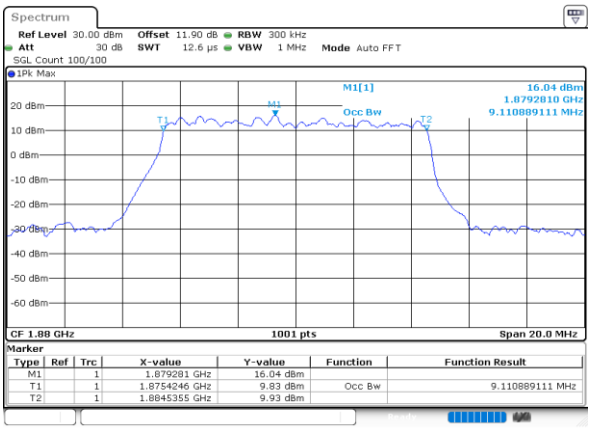
Middle Channel / 3MHz / 64QAM



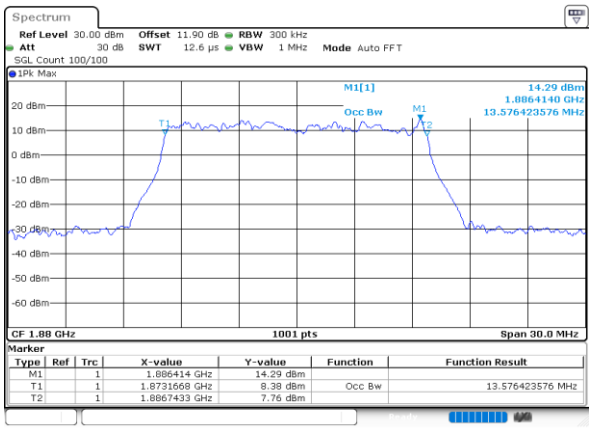
Middle Channel / 5MHz / 64QAM



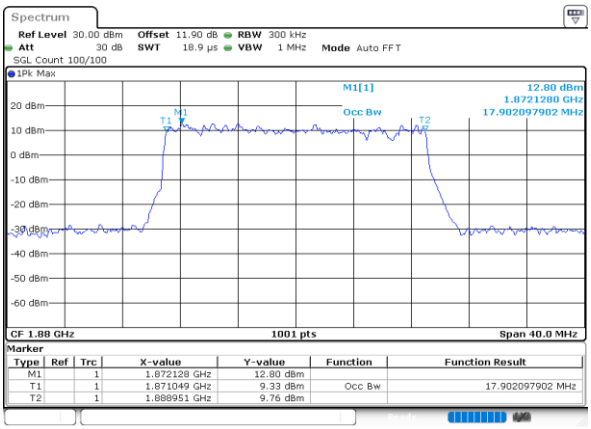
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

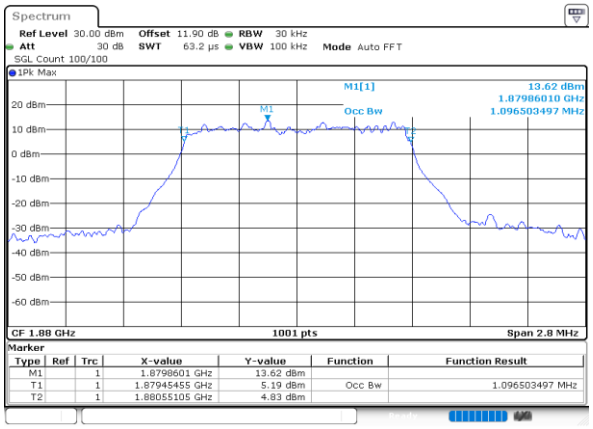


Middle Channel / 20MHz / 64QAM

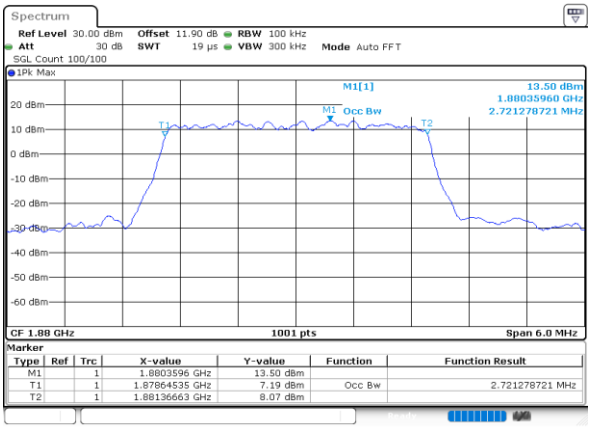


LTE Band 2

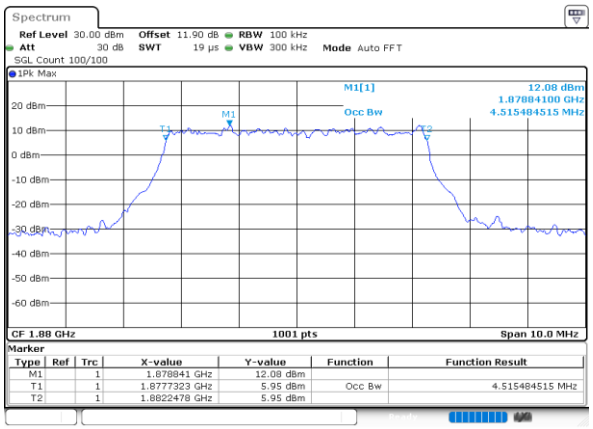
Middle Channel / 1.4MHz / 256QAM



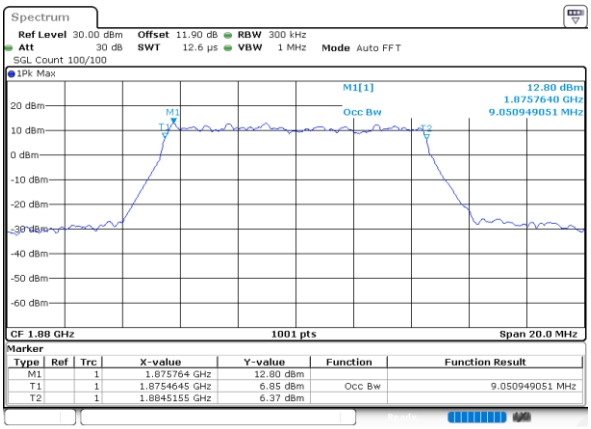
Middle Channel / 3MHz / 256QAM



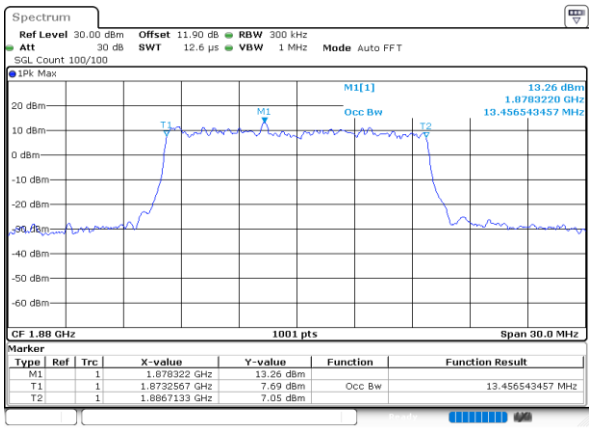
Middle Channel / 5MHz / 256QAM



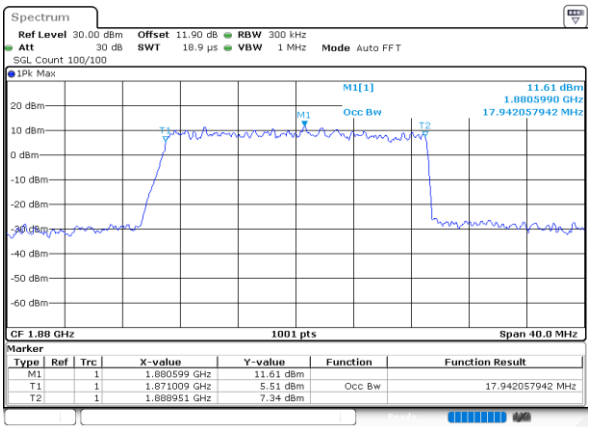
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



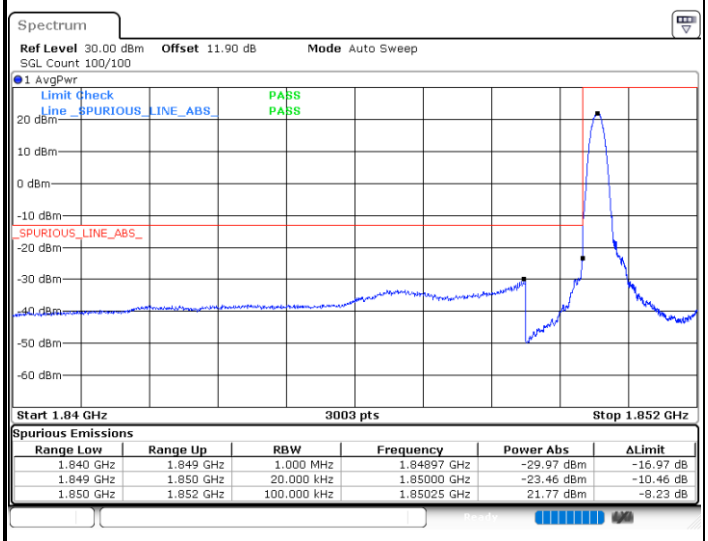
Middle Channel / 20MHz / 256QAM



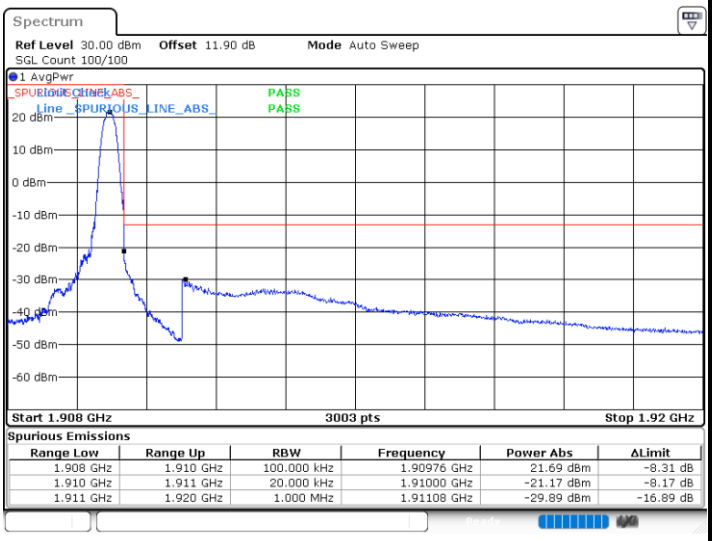
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

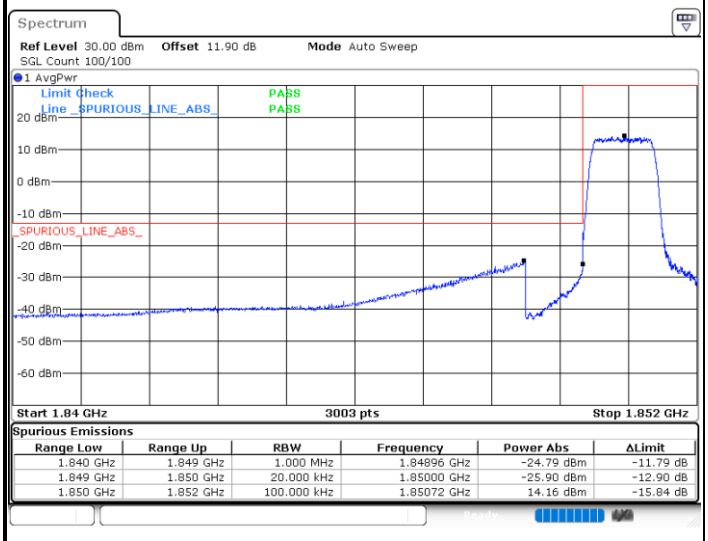
Lowest Band Edge / 1RB



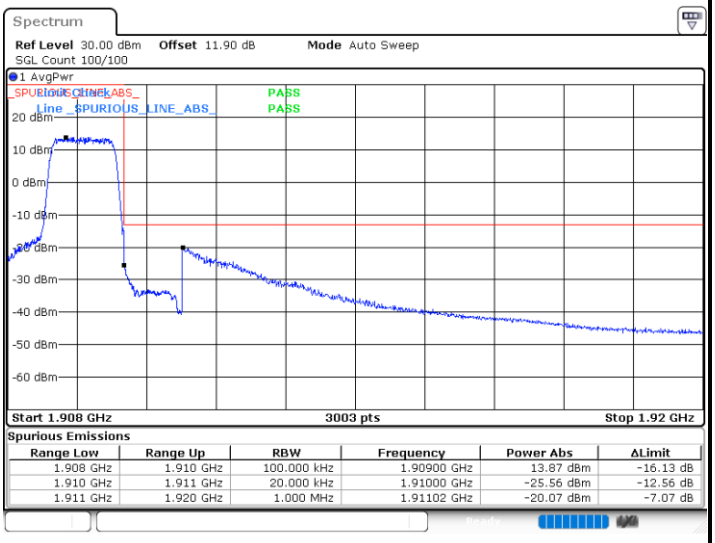
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

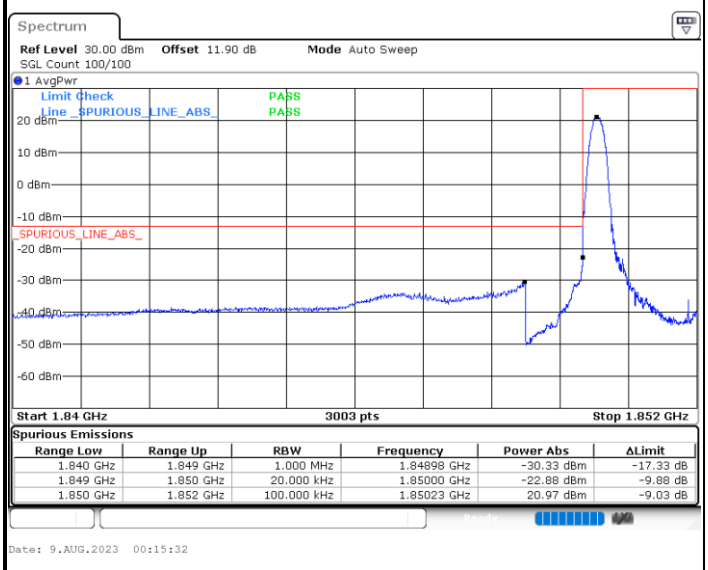


Highest Band Edge / Full RB

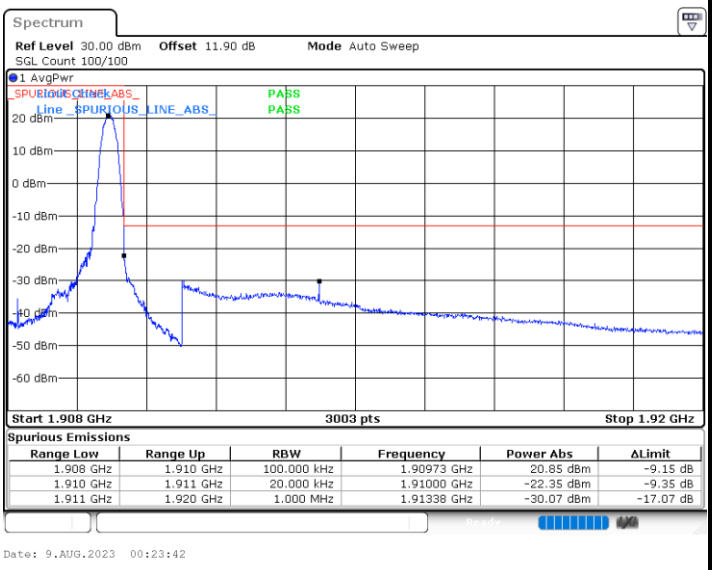


LTE Band 2 / 1.4MHz / 16QAM

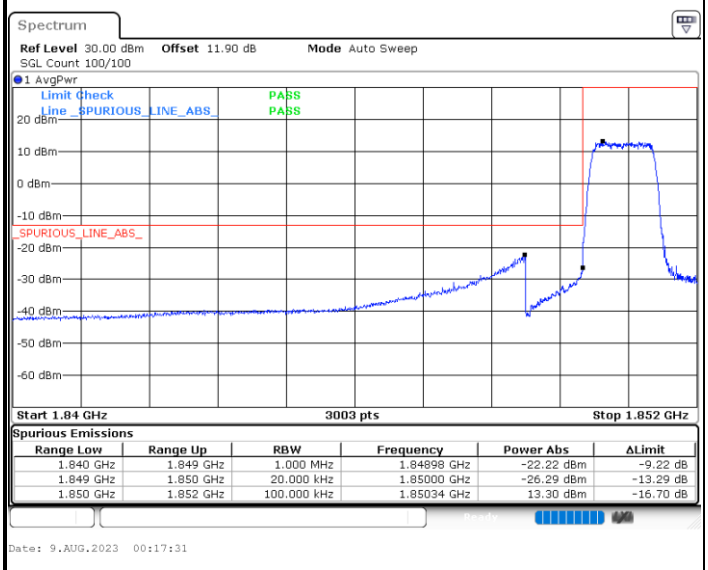
Lowest Band Edge / 1 RB



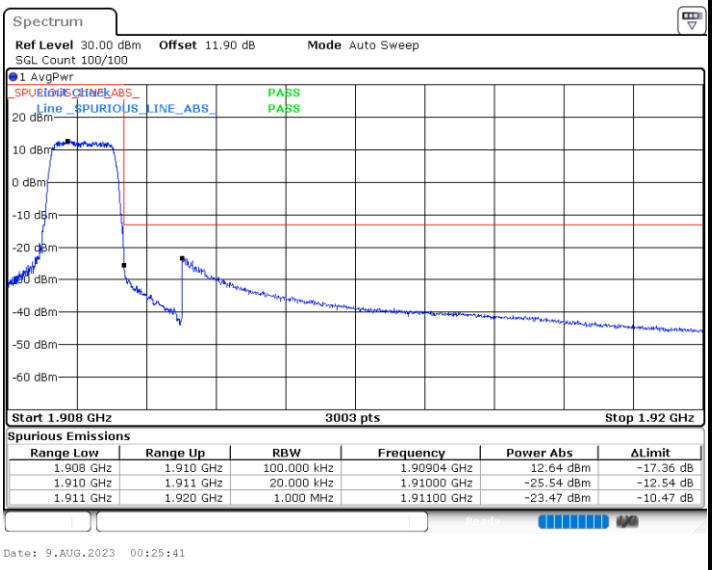
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

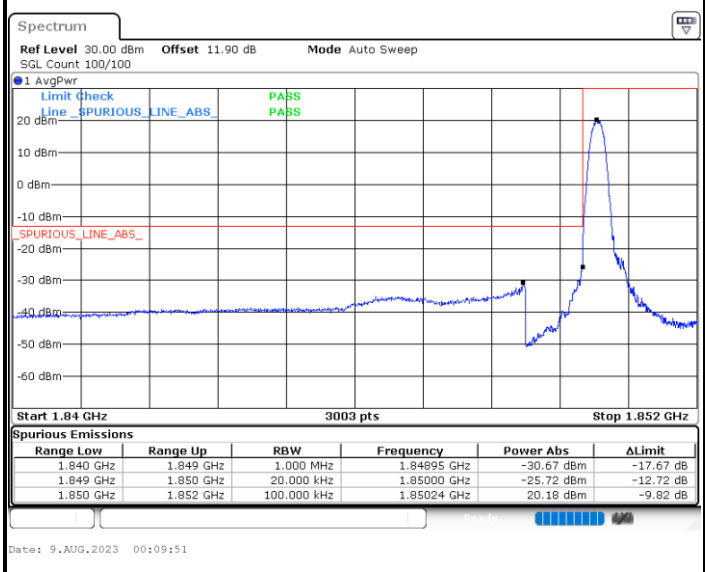


Highest Band Edge / Full RB

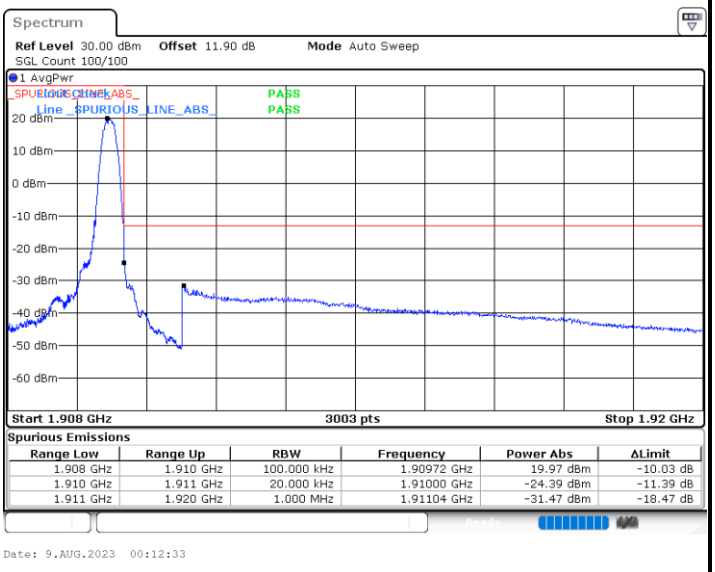


LTE Band 2 / 1.4MHz / 64QAM

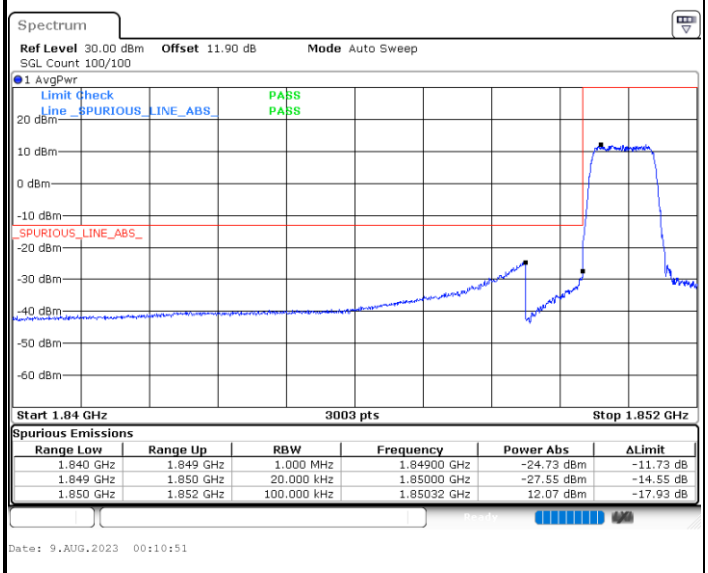
Lowest Band Edge / 1 RB



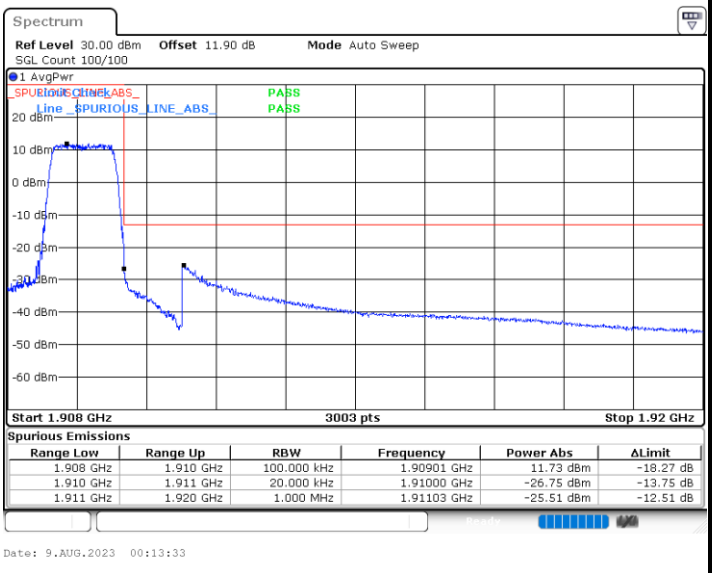
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

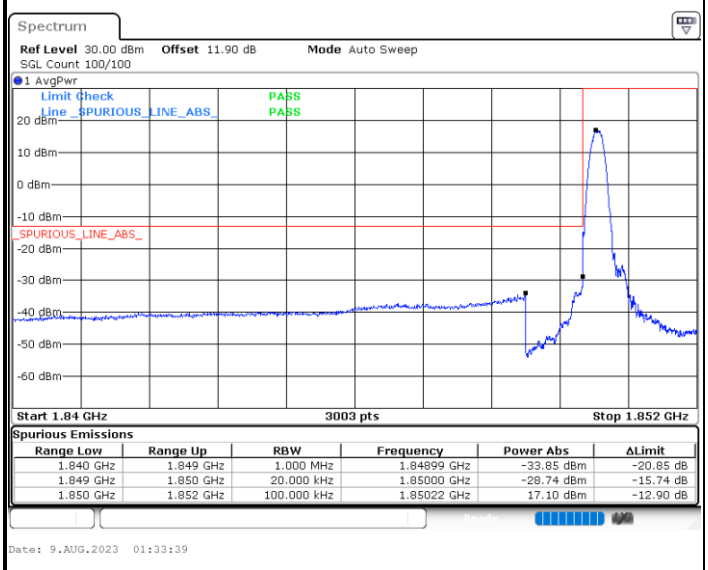


Highest Band Edge / Full RB

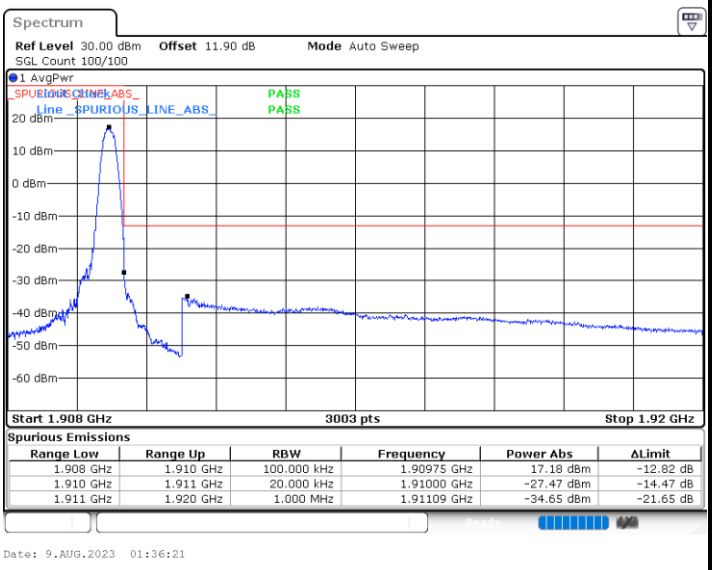


LTE Band 2 / 1.4MHz / 256QAM

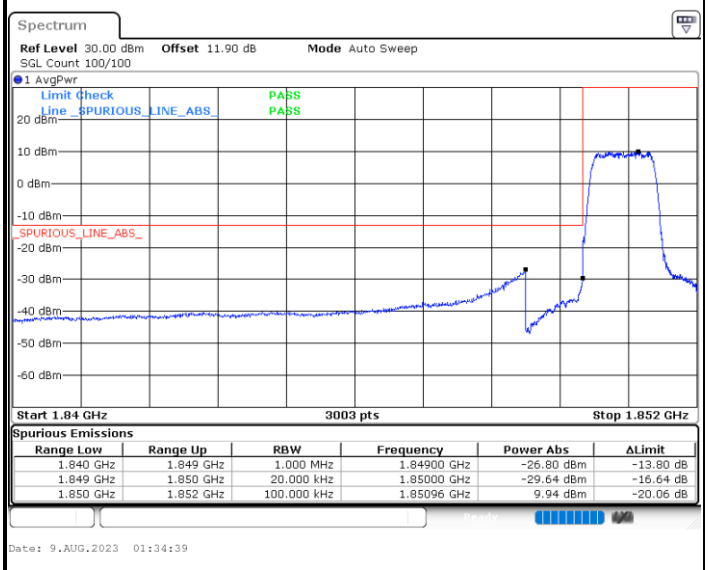
Lowest Band Edge / 1 RB



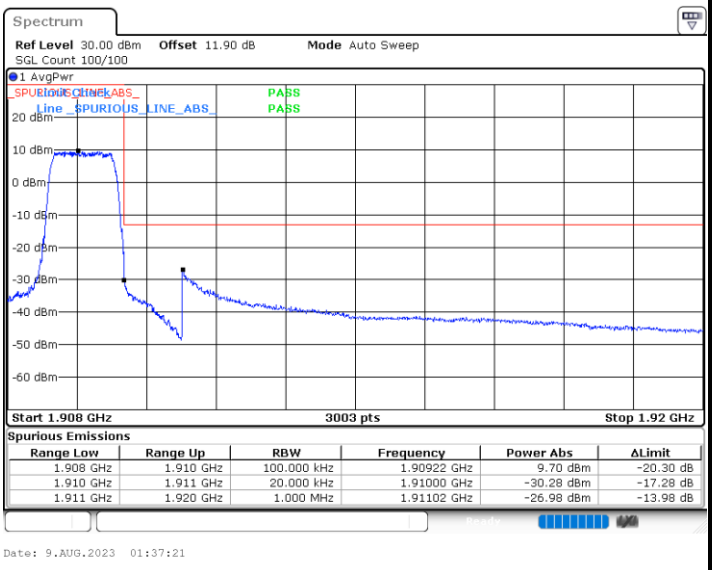
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

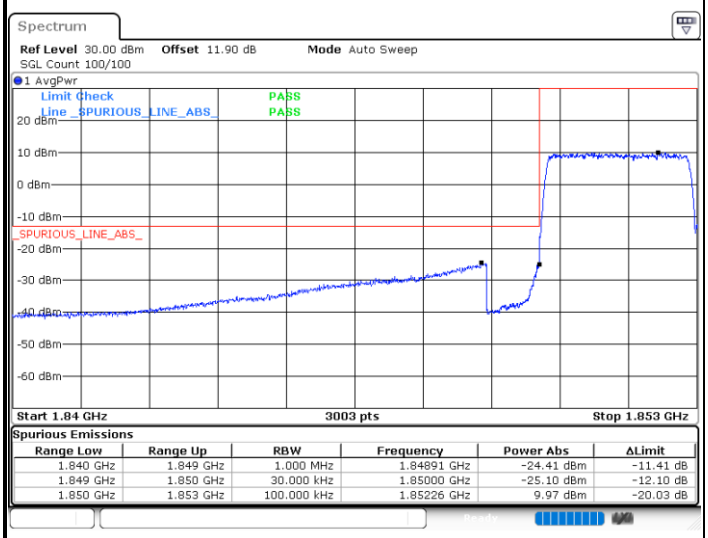


Highest Band Edge / Full RB

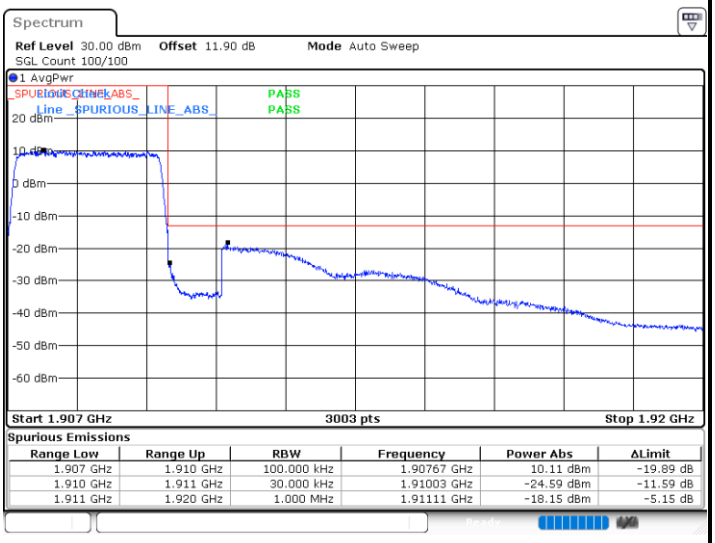


LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / Full RB

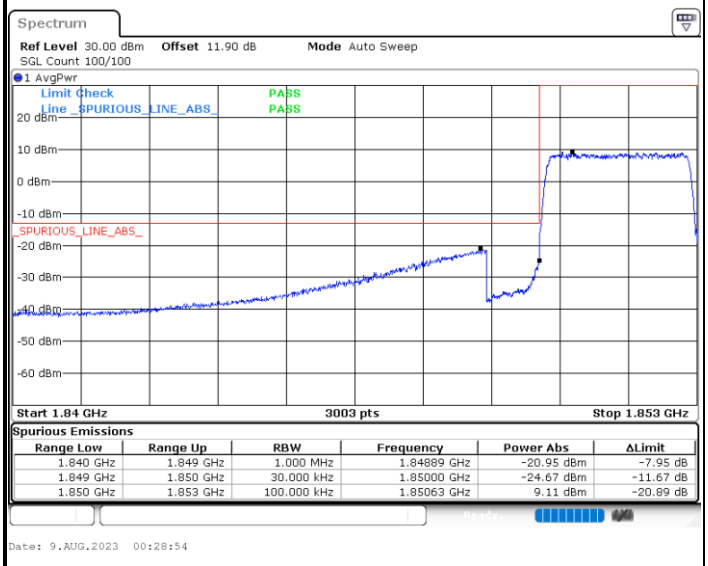


Highest Band Edge / Full RB

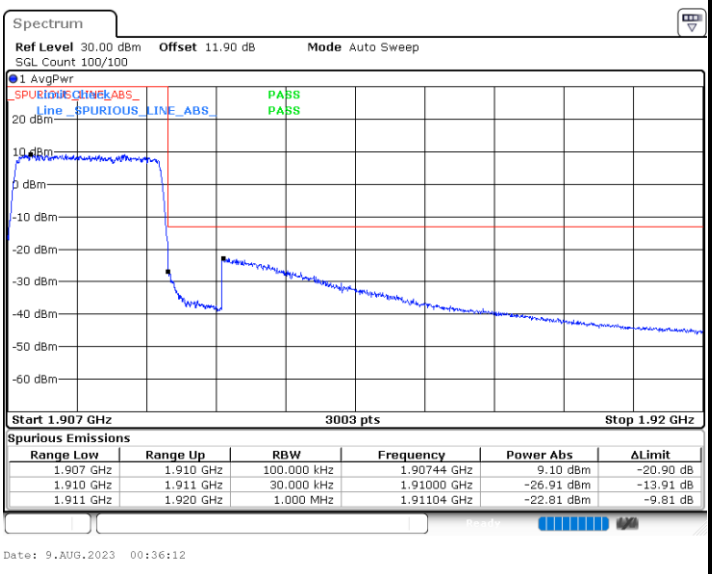


LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / Full RB

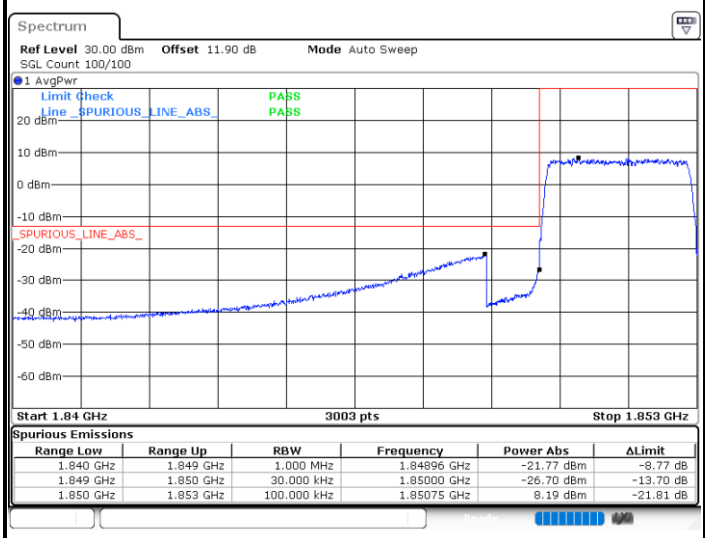


Highest Band Edge / Full RB

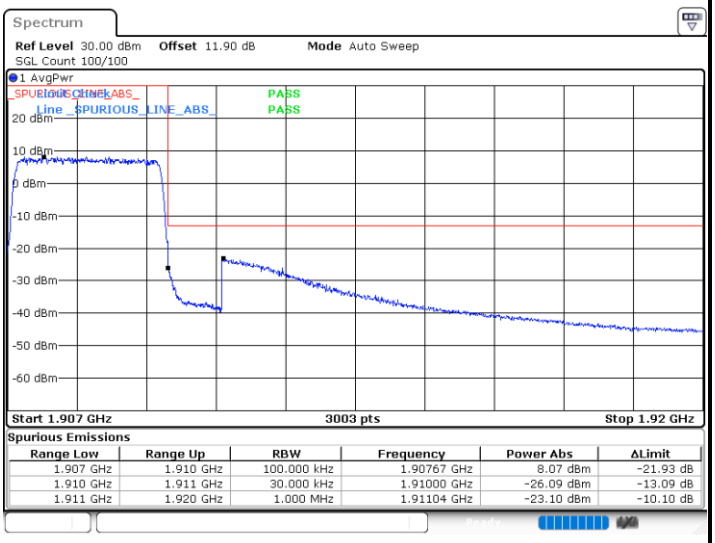


LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / Full RB

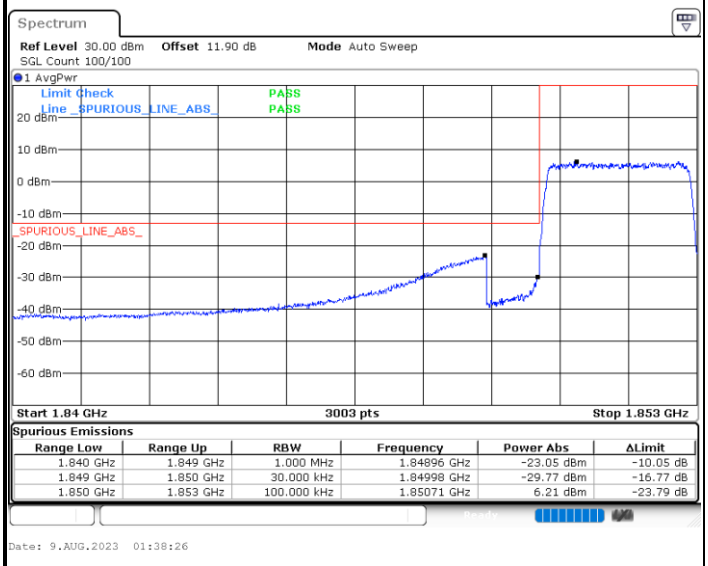


Highest Band Edge / Full RB

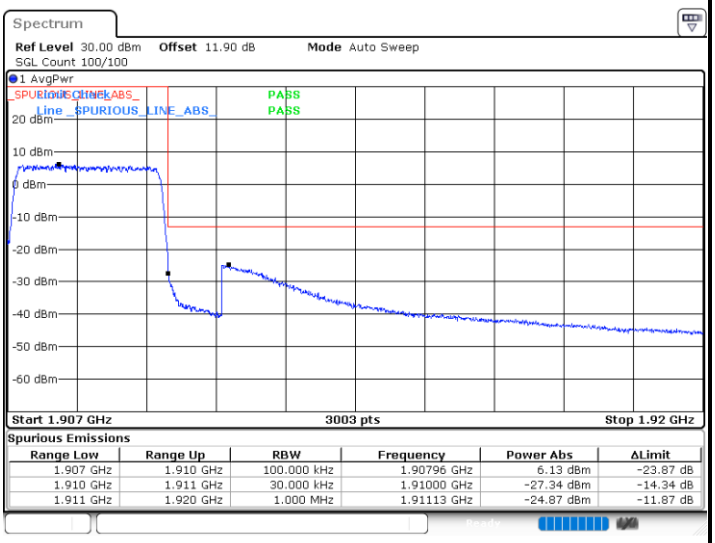


LTE Band 2 / 3MHz / 256QAM

Lowest Band Edge / Full RB

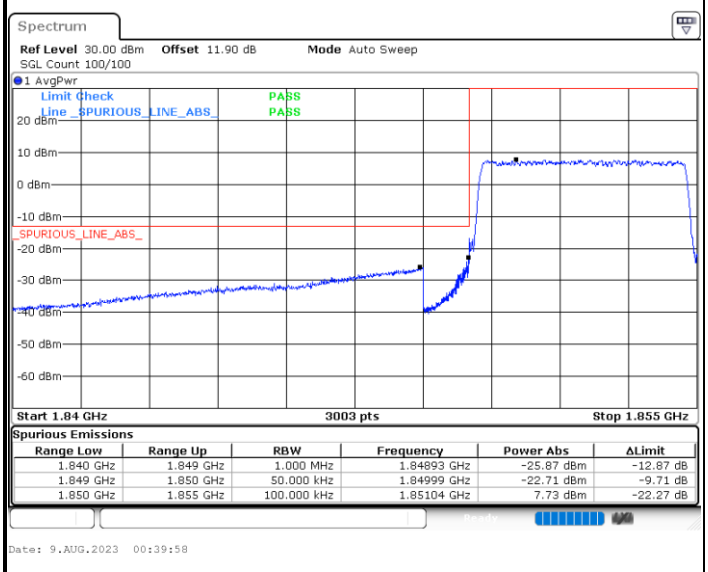


Highest Band Edge / Full RB



LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / Full RB

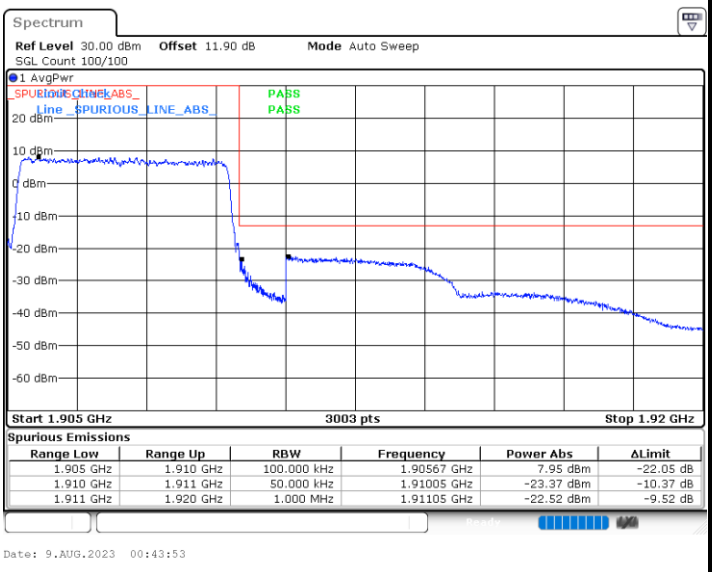


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84893 GHz	-25.87 dBm	-12.87 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84999 GHz	-22.71 dBm	-9.71 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85104 GHz	7.73 dBm	-22.27 dB

Date: 9.AUG.2023 00:39:58

Highest Band Edge / Full RB



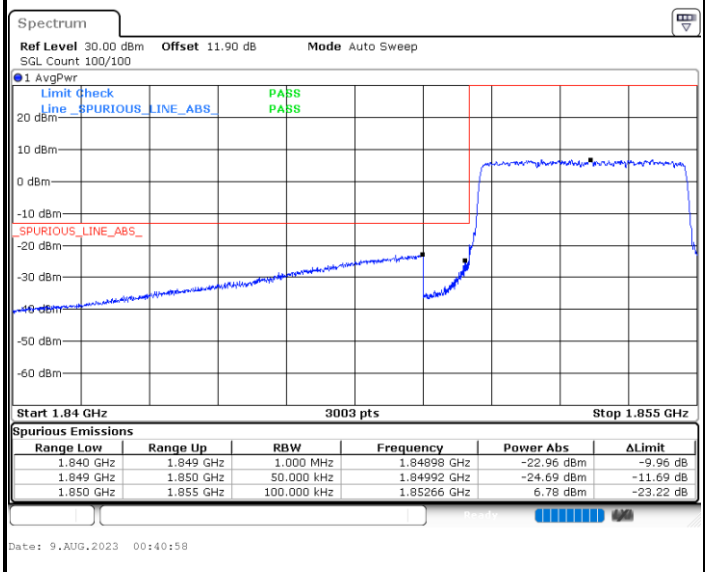
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90567 GHz	7.95 dBm	-22.05 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91005 GHz	-23.37 dBm	-10.37 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-22.52 dBm	-9.52 dB

Date: 9.AUG.2023 00:43:53

LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / Full RB

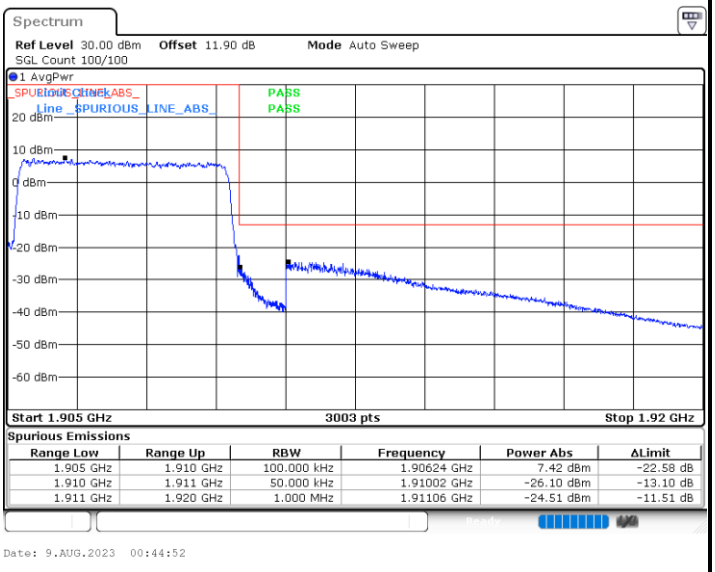


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-22.96 dBm	-9.96 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84992 GHz	-24.69 dBm	-11.69 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85266 GHz	6.78 dBm	-23.22 dB

Date: 9.AUG.2023 00:40:58

Highest Band Edge / Full RB



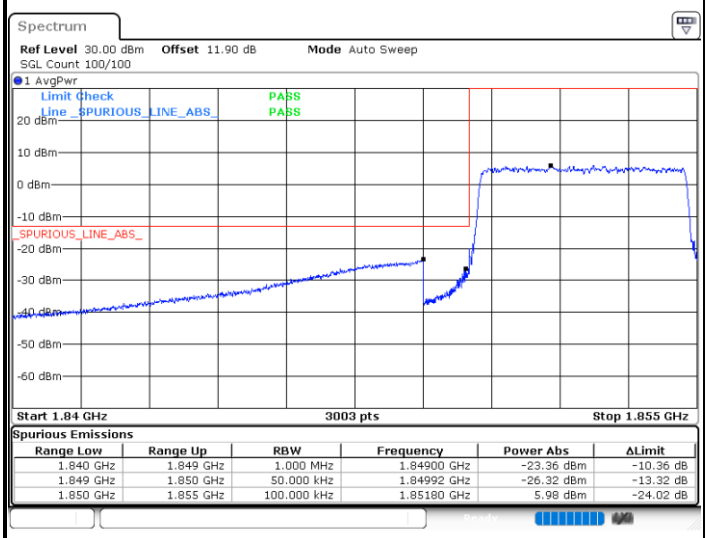
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90624 GHz	7.42 dBm	-22.58 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91002 GHz	-26.10 dBm	-13.10 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91106 GHz	-24.51 dBm	-11.51 dB

Date: 9.AUG.2023 00:44:52

LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / Full RB

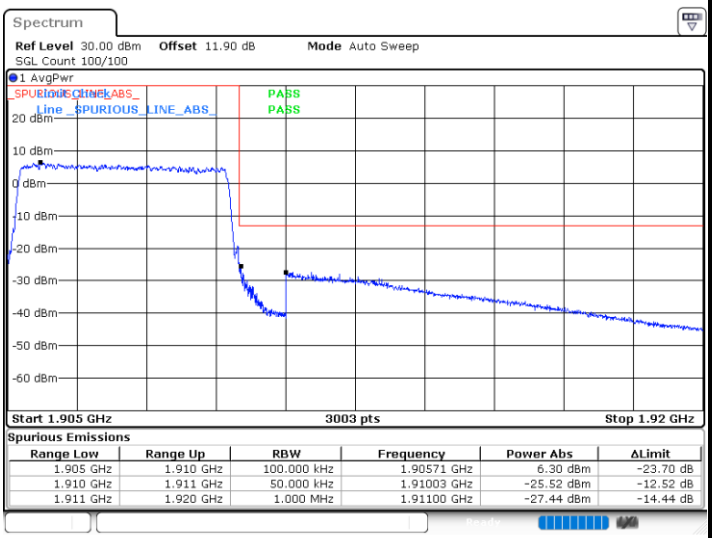


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-23.36 dBm	-10.36 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84992 GHz	-26.32 dBm	-13.32 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85180 GHz	5.98 dBm	-24.02 dB

Date: 9.AUG.2023 00:45:52

Highest Band Edge / Full RB



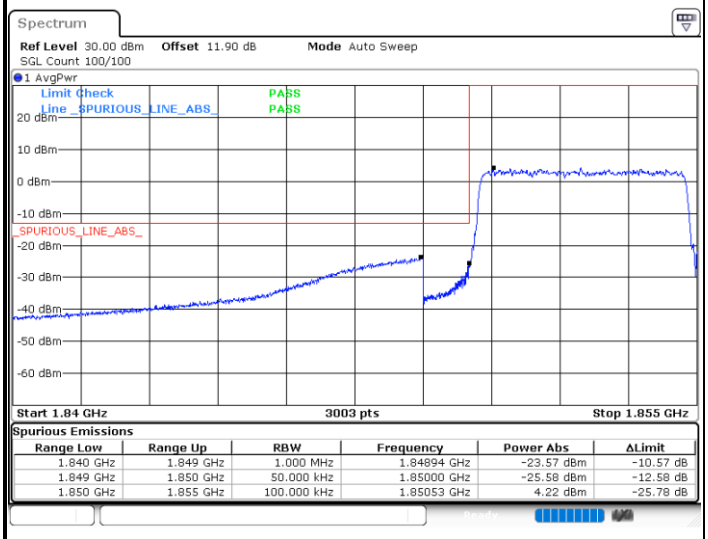
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90571 GHz	6.30 dBm	-23.70 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91003 GHz	-25.52 dBm	-12.52 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91100 GHz	-27.44 dBm	-14.44 dB

Date: 9.AUG.2023 00:50:59

LTE Band 2 / 5MHz / 256QAM

Lowest Band Edge / Full RB

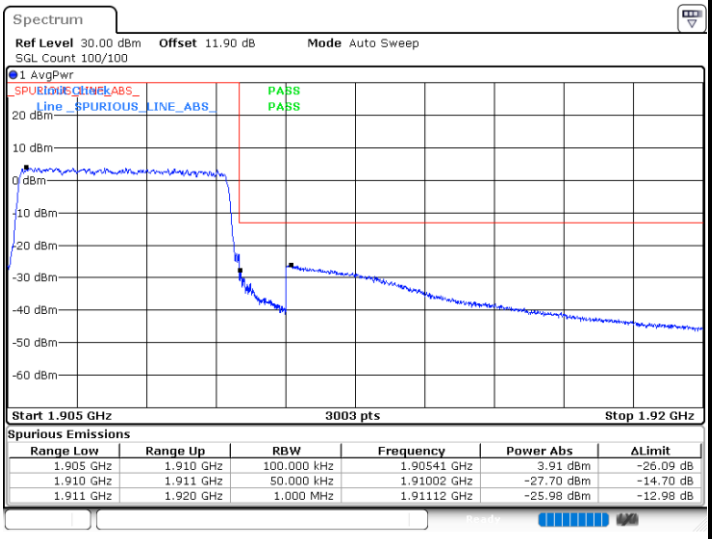


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84894 GHz	-23.57 dBm	-10.57 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-25.58 dBm	-12.58 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85053 GHz	4.22 dBm	-25.78 dB

Date: 9.AUG.2023 01:41:13

Highest Band Edge / Full RB



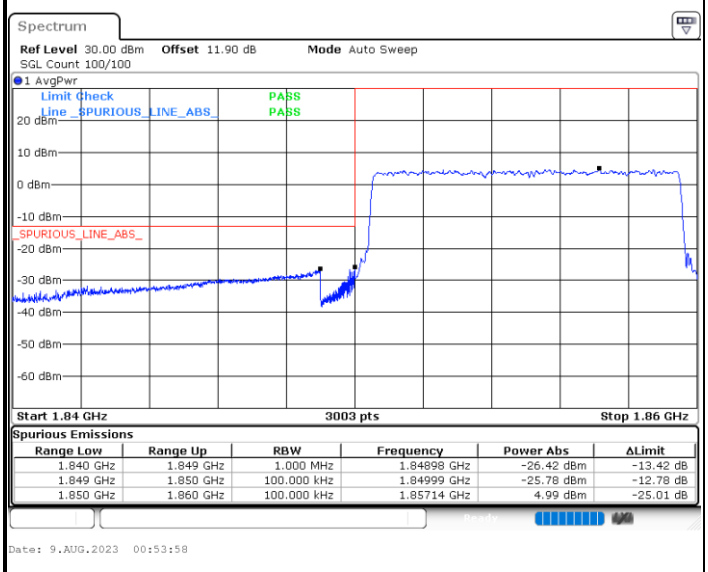
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90541 GHz	3.91 dBm	-26.09 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91002 GHz	-27.70 dBm	-14.70 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91112 GHz	-25.98 dBm	-12.98 dB

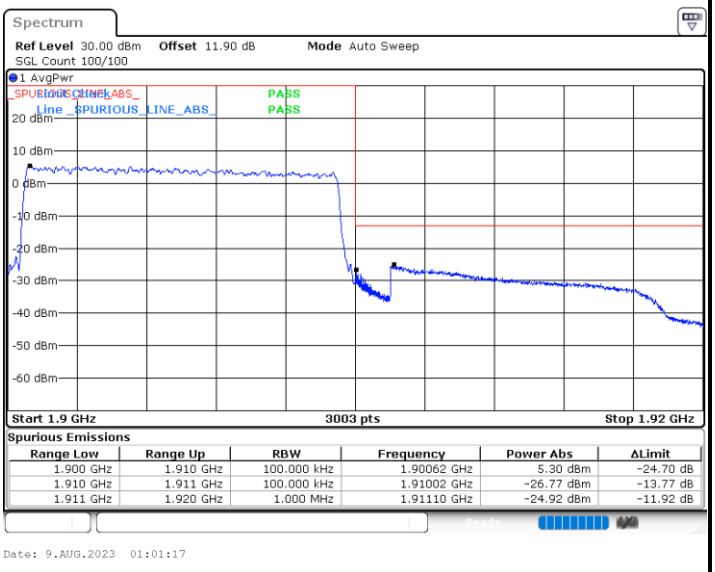
Date: 9.AUG.2023 01:42:55

LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / Full RB

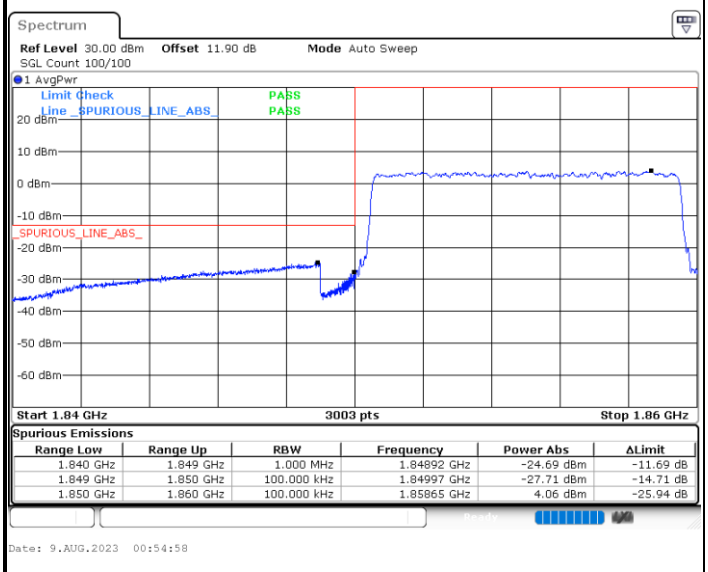


Highest Band Edge / Full RB

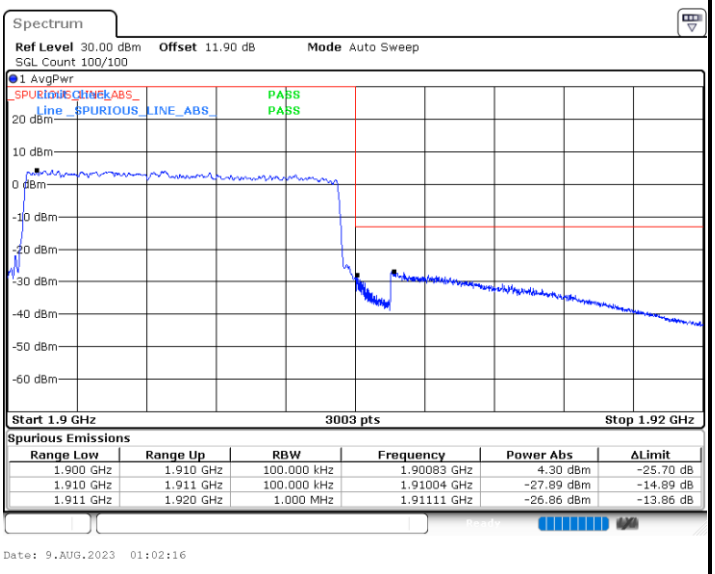


LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / Full RB

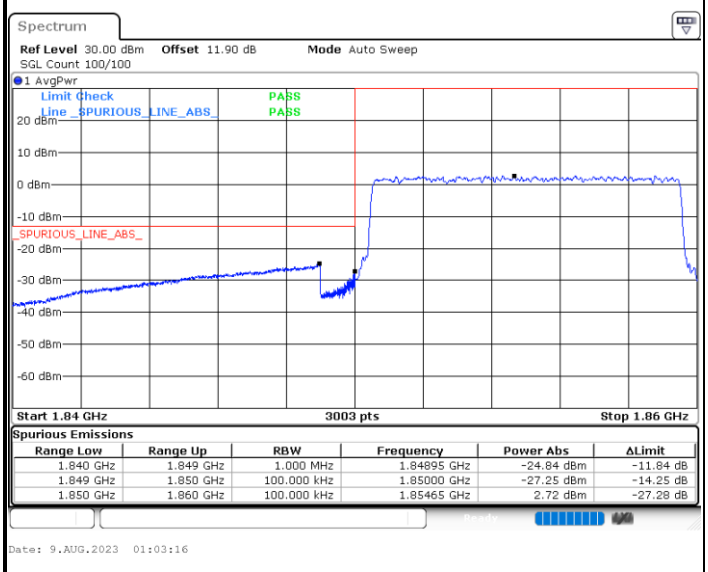


Highest Band Edge / Full RB

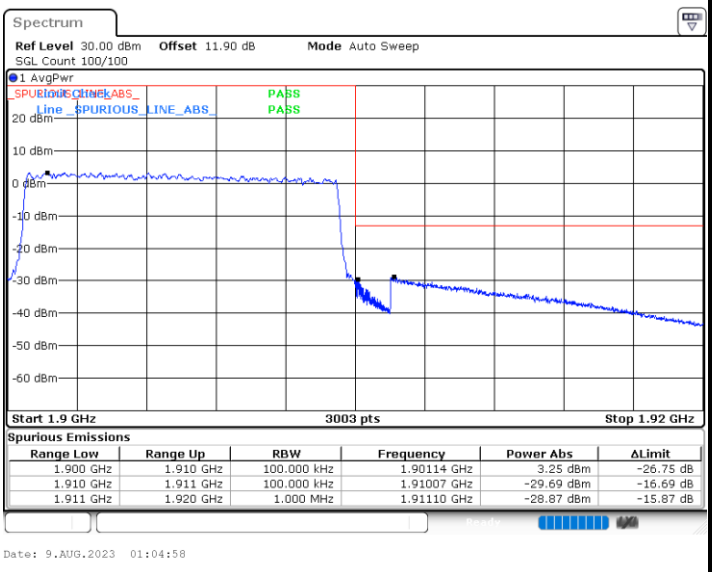


LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / Full RB

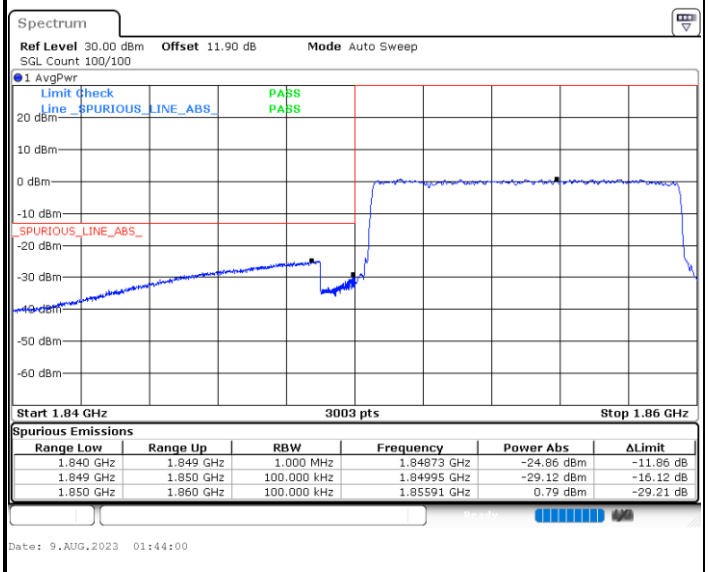


Highest Band Edge / Full RB

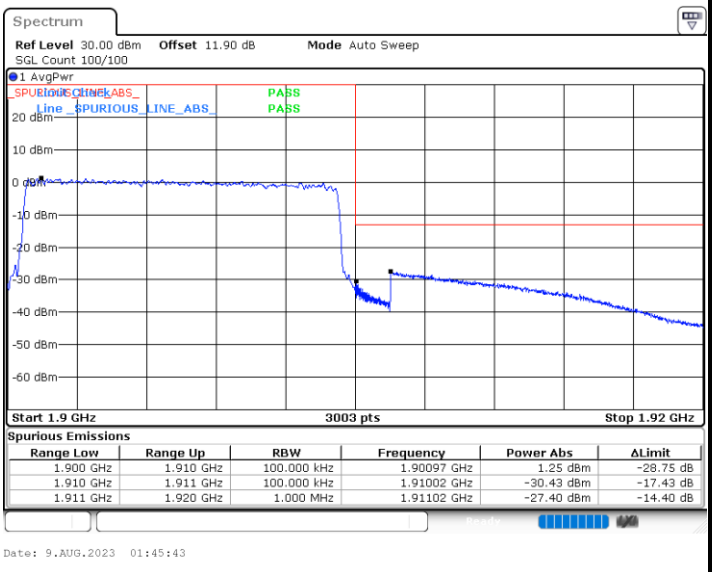


LTE Band 2 / 10MHz / 256QAM

Lowest Band Edge / Full RB

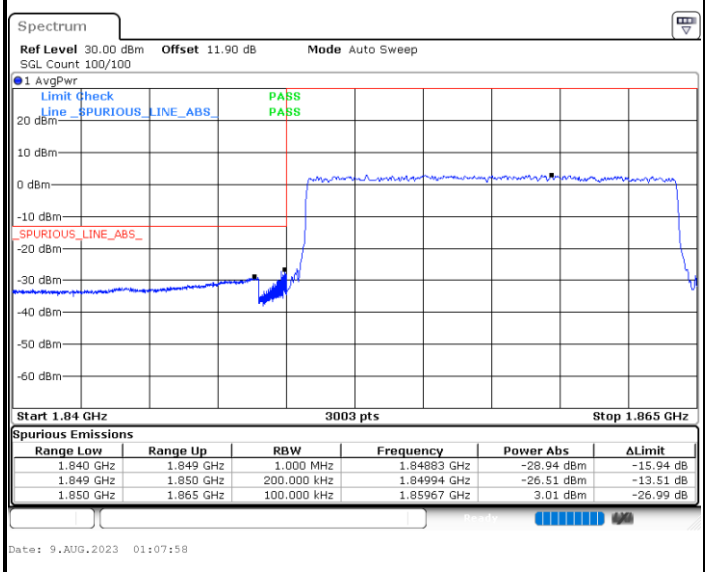


Highest Band Edge / Full RB

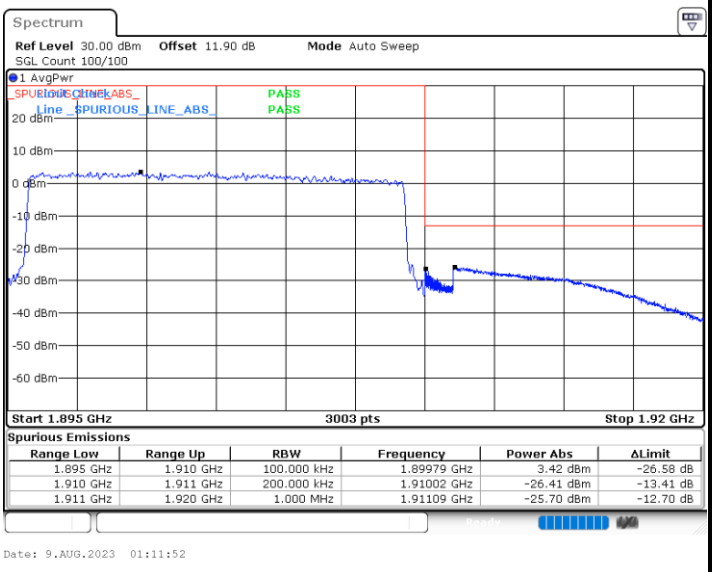


LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / Full RB

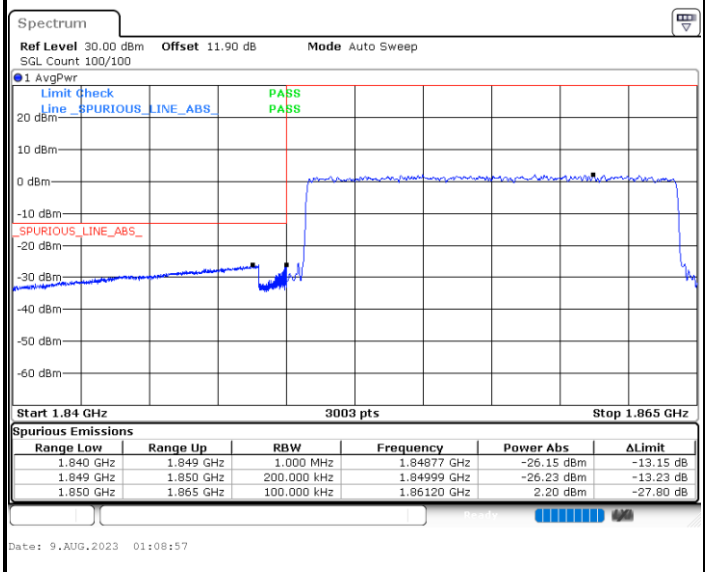


Highest Band Edge / Full RB



LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB