



RADIO TEST REPORT

FCC ID : RRKEM060KALPHA
Equipment : LTE Module
Brand Name : ALPHA
Model Name : EM060K-GL-ALPHA
Applicant : Alpha Networks Inc.
No.8, Li-shing 7th Rd., Science-based Industrial Park,
Hsinchu, Taiwan 300
Manufacturer : Alpha Networks Inc.
No.8, Li-shing 7th Rd., Science-based Industrial Park,
Hsinchu, Taiwan 300
Standard : 47 CFR Part 27

The product was received on Mar. 29, 2023, and testing was started from Apr. 22, 2023 and completed on Nov. 30, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	2.1043	Conducted Output Power and Effective Isotropic Radiated Power	Reporting only	-
3.2	-	Peak-to-Average Ratio	Reporting only	-
3.3	27.50 (a)(3)	EIRP Power Density	PASS	-
3.4	2.1049	Occupied Bandwidth	Reporting only	-
3.5	2.1051, 27.53 (a)(4)	Conducted Band Edge	PASS	-
3.6	2.1051, 27.53 (a)(4)	Conducted Spurious Emission	PASS	-
3.7	2.1053, 27.53 (a)(4)	Radiated Spurious Emission	PASS	-
3.8	2.1055, 27.54	Frequency Stability for Temperature & Voltage	PASS	-

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 chapter "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: Sam Chen**Report Producer: Sandy Chuang**



1 General Description

1.1 Information

1.1.1 RF General Information

Items	Description
EUT Power Type	From host system
Downlink (MHz)	LTE Band 30: 2350~2360
Uplink (MHz)	LTE Band 30: 2305~2315
Bandwidth (MHz)	5 / 10
Type of Modulation	QPSK / 16QAM / 64QAM
RF Test Tool Software of EUT	No test software was used during testing.

Note: The above information was declared by manufacturer.



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1/2	PSA	RFDPA161500SMMB805	Dipole	SMA	Note 1
2	1/2	Ventev	M3030050O20006	Dipole	N-Female	
3	1/2	PTY	XPOL-2-5G-US	Patch	N-Female	

Note 1:

WCDMA WWAN antenna Gain							
Ant. \ Band	Band 2	Band 4	Band 5	Cable Loss	WCDMA Net Gain (dBi)		
					Band 2	Band 4	Band 5
1	5	5	3	-	5	5	3
2	5	5	3	2.5	2.5	2.5	0.5
3	10	10	9	2.5	7.5	7.5	6.5

LTE WWAN antenna Gain																		
Ant. \ Band	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 14	Band 17	Band 25	Band 26	Band 30	Band 38	Band 41	Band 48	Band 66	Band 71	Cable Loss	
1	5	5	3	5	3	3	3	3	5	3	5	5	5	5	5	5	3	-
2	5	5	3	5	3	3	3	3	5	3	5	5	5	5	5	5	3	2.5
3	10	10	9	10	9	9	9	9	10	9	10	10	10	11	10	9	9	2.5
Ant. \ Band	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 14	Band 17	Band 25	Band 26	Band 30	Band 38	Band 41	Band 48	Band 66	Band 71		
1	5	5	3	5	3	3	3	3	5	3	5	5	5	5	5	5	3	-
2	2.5	2.5	0.5	2.5	0.5	0.5	0.5	0.5	2.5	0.5	2.5	2.5	2.5	2.5	2.5	2.5	0.5	2.5
3	7.5	7.5	6.5	7.5	6.5	6.5	6.5	6.5	7.5	6.5	7.5	7.5	7.5	8.5	7.5	6.5	9	2.5

Note 2: The above information was declared by manufacturer.

Note 3: For RF Conducted Test: Only the highest gain antenna "Ant. 3" was selected to perform the test and recorded in this report.

Note 4: Both Port 1 and Port 2 could be used as receiving antennas.

Only Port 1 antenna can transmit RF signal.



1.1.3 Maximum Power, Frequency Tolerance, and Emission Designator

Band 30							
Bandwidth (MHz)	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Tolerance (ppm)
			(dBm)	(W)			
5	2307.5 ~ 2312.5	QPSK	7.98	0.006	4.679	4M68G7D	0.001
		16QAM	7.21	0.005	4.654	4M65W7D	
		64QAM	7.11	0.005	4.648	4M65W7D	
10	2310	QPSK	8.08	0.006	9.058	9M06G7D	
		16QAM	7.31	0.005	9.020	9M02W7D	
		64QAM	7.16	0.005	9.058	9M06W7D	



1.2 Applicable Standards

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

- 47 CFR Part 27
- ANSI/TIA-603-E (2016)
- ANSI C63.26-2015
- FCC KDB 971168 D01 v03r01

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 412172 D01 v01r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

1.3 Testing Location

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Jeff Wu	24.2.24.9 / 66-69	Apr. 22, 2023~ Nov. 30, 2023
Radiated	03CH05-CB	KJ Chang	22.1~23 / 57~61	Nov. 13, 2023~ Nov. 23, 2023



1.4 Measurement Uncertainty

Test Date: Before Jun. 01, 2023

Test Items	Uncertainty	Remark
Conducted Emission	3.2 dB	Confidence levels of 95%

Test Date: After May 31, 2023

Test Items	Uncertainty	Remark
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%



2 Test Configuration of Equipment Under Test

2.1 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Conducted Output Power and EIRP Peak-to-Average Ratio EIRP PSD Occupied Bandwidth Conducted Band Edge Conducted Spurious Emission Frequency Stability
Test Condition	Conducted measurement at transmit chains
1	LTE Band 30 - Ant. 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Radiated Spurious Emission
Test Condition	Radiated measurement
Operating Mode < 1GHz	
The EUT can be placed in X axis, Y axis and Z axis. EUT X axis has been evaluated to be the worst case at Emissions in Radiated Spurious Emission <Above 1GHz> ; thus, the measurement will follow this same test configuration.	
1	EUT at X axis - LTE + Ant. 1
2	EUT at X axis - LTE + Ant. 2
3	EUT at X axis - LTE + Ant. 3
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.	
Operating Mode > 1GHz	
The EUT can be placed in X axis, Y axis and Z axis. EUT X axis has been evaluated to be the worst case; thus, the measurement will follow this same test configuration.	
1	EUT at X axis - LTE + Ant. 1
2	EUT at X axis - LTE + Ant. 2
3	EUT at X axis - LTE + Ant. 3



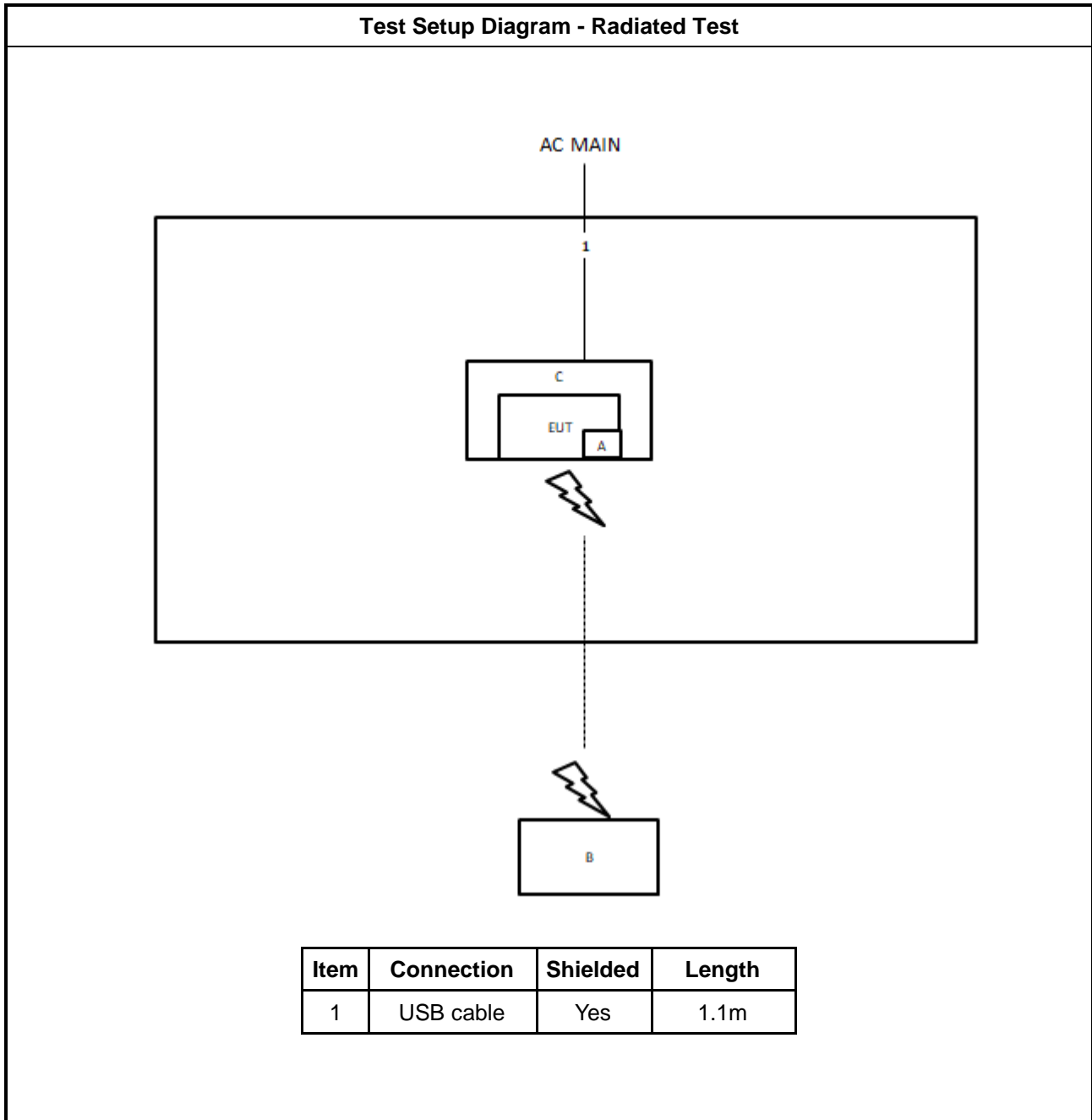
2.2 Accessories

- 1. Fixed Bracket*1 (for ant. 2 use)
- 2. Wall Bracket*1 (for ant. 3 use)
- 3. Cradlepoint to External Antenna Cable*1: Shielded, 6.2m (for ant. 2 and ant. 3 use)

2.3 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LTE Base Station	Anritsu	MT8820C	N/A
B	SIM Card	Anritsu	N/A	N/A
C	Fixture	Quectel	M2-EVB-KIT	N/A

2.4 Test Setup Diagram





2.5 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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



3 Test Result

3.1 Conducted Output Power and EIRP Measurement

3.1.1 Description of the Conducted Output Power and EIRP Measurement

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

According to KDB 412172 D01 Power Approach, $EIRP = P_T + G_T - L_c$, 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

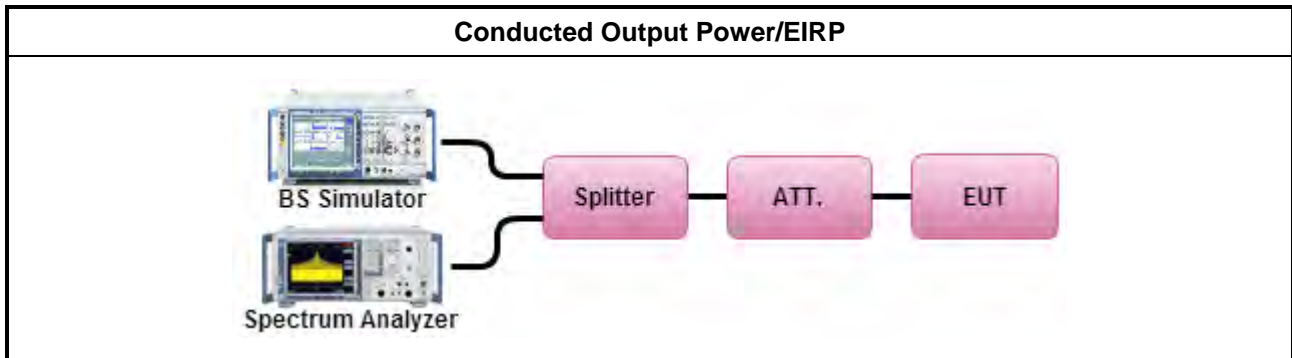
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Refer as Appendix A

3.1.6 Test Result of EIRP

Refer as Appendix A

3.2 Peak-to-Average Ratio Measurement

3.2.1 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.

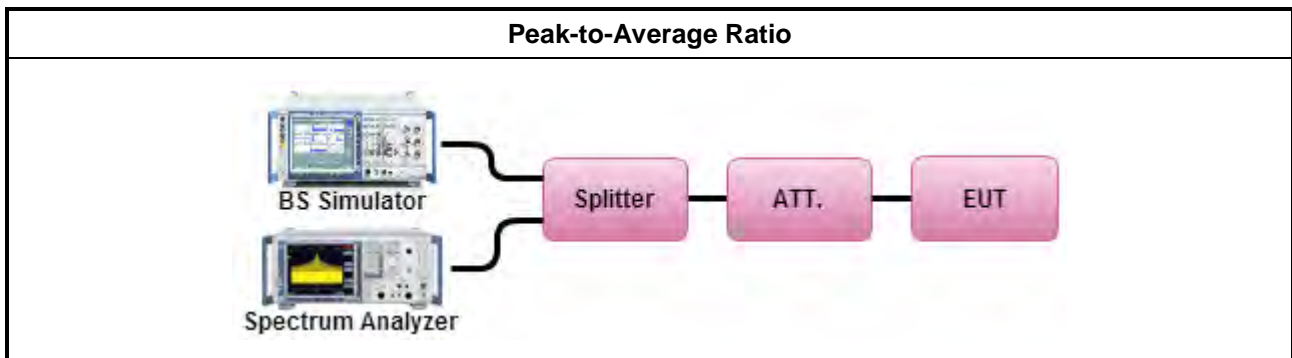
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

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.

3.2.4 Test Setup



3.2.5 Test Result of Peak-to-Average Ratio

Refer as Appendix B



3.3 EIRP Power Density Measurement

3.3.1 Description of EIRP Power Density Measurement

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, *except that* for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

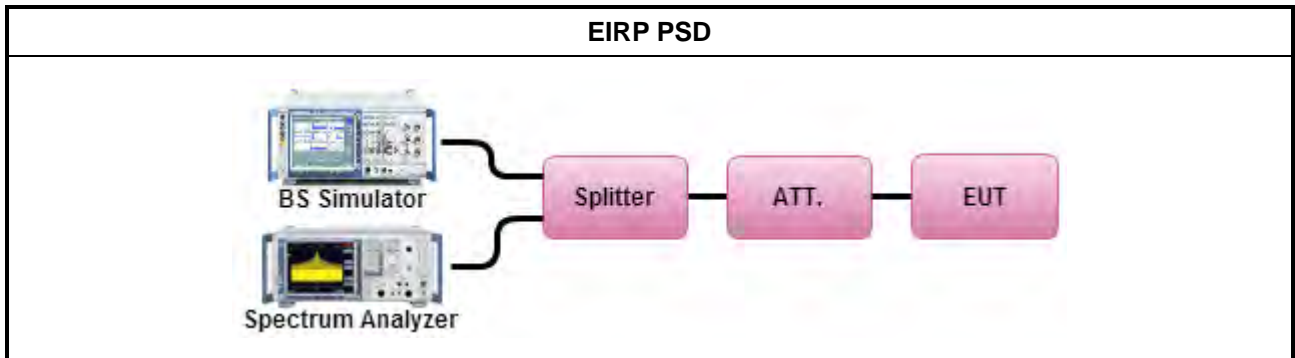
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. Set instrument center frequency to OBW center frequency.
2. Set span to at least 1.5 times the OBW.
3. Set the RBW to the specified reference bandwidth (5MHz).
4. Set VBW $\geq 3 \times$ RBW.
5. Detector = RMS (power averaging).
6. Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
7. Sweep time = auto couple.
8. Employ trace averaging (RMS) mode over a minimum of 100 traces.
9. Use the peak marker function to determine the maximum amplitude level within the reference bandwidth (PSD).
10. Determine the EIRP by adding the effective antenna gain to the adjusted power level.

3.3.4 Test Setup



3.3.5 Test Result of EIRP PSD

Refer as Appendix C



3.4 Occupied Bandwidth Measurement

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.

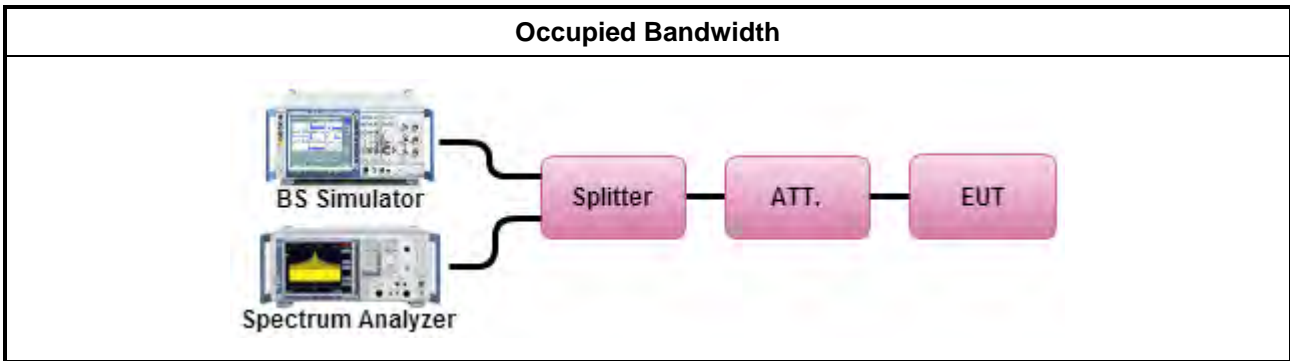
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The EUT was connected to spectrum 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.

3.4.4 Test Setup



3.4.5 Test Result of Occupied Bandwidth

Refer as Appendix D



3.5 Conducted Band Edge Measurement

3.5.1 Description of Conducted Band Edge Measurement

27.53 (a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz.
- (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292MHz, and $70 + 10 \log (P)$ dB below 2288 MHz.
- (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

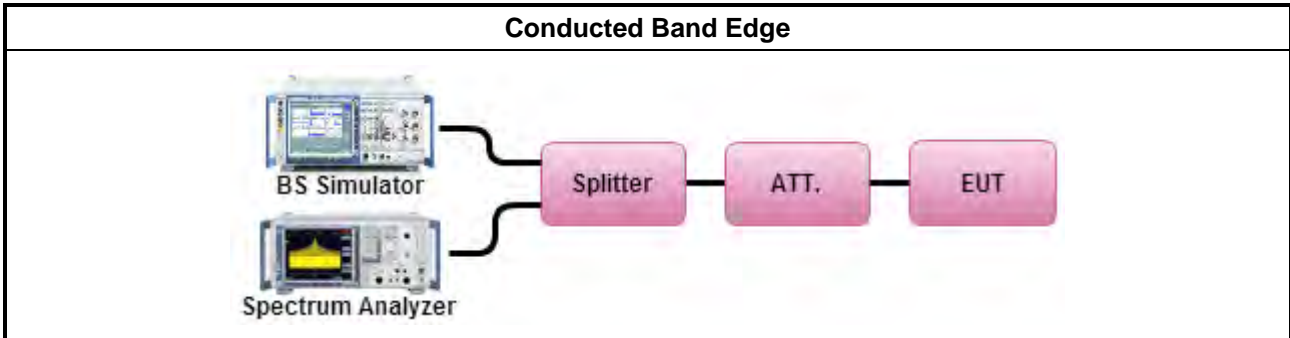
Example:

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

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

3.5.4 Test Setup



3.5.5 Test Result of Conducted Band Edge

Refer as Appendix E



3.6 Conducted Spurious Emission Measurement

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 $70 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

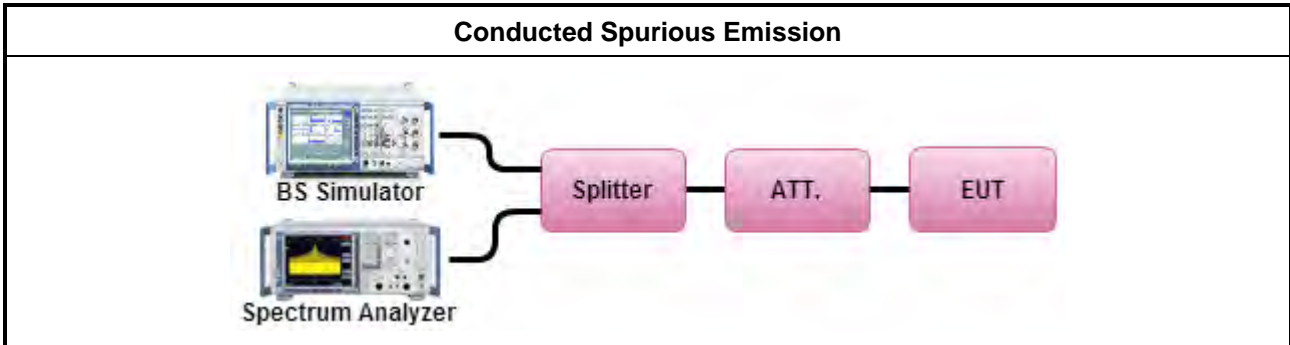
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from $70 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [70 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[70 + 10\log(P)]$ (dB)
= -40dBm

3.6.4 Test Setup



3.6.5 Test Result of Conducted Spurious Emission

Refer as Appendix E



3.7 Radiated Spurious Emission Measurement

3.7.1 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 $70 + 10 \log (P)$ dB.

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

3.7.2 Measuring Instruments

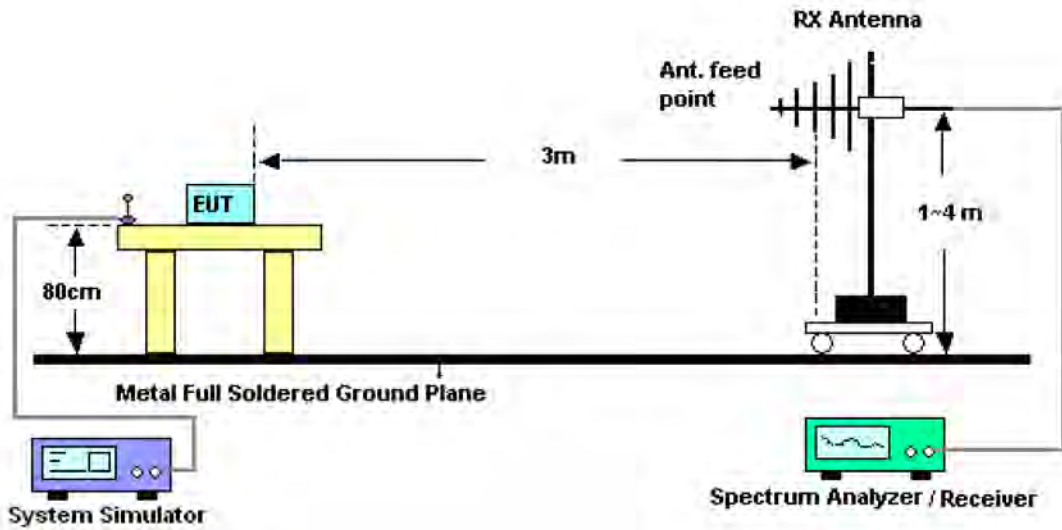
The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Procedures

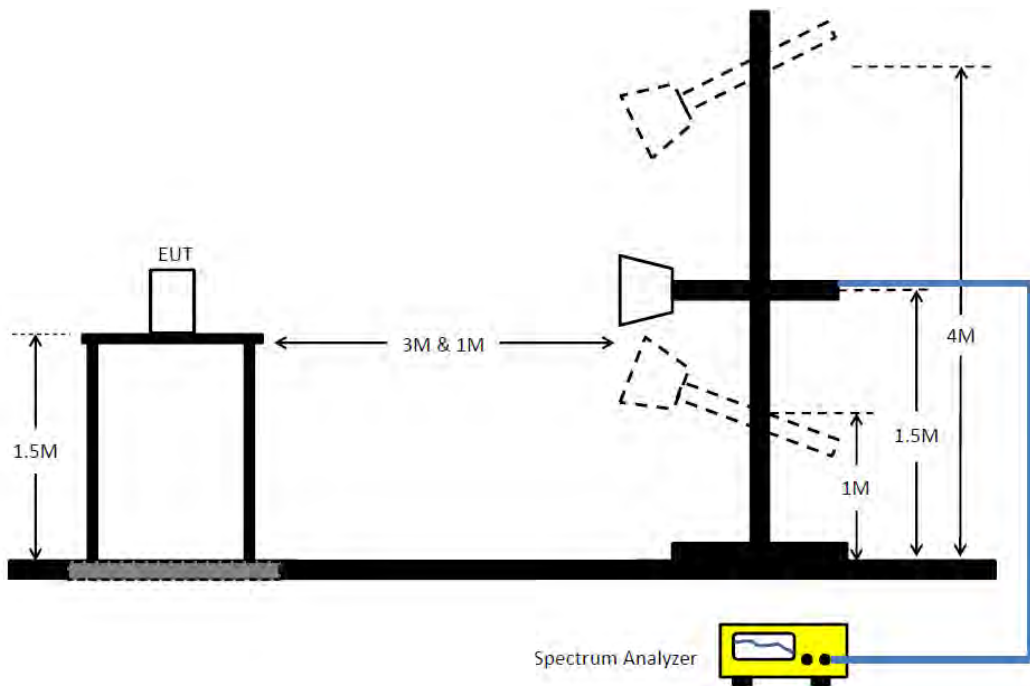
1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
ERP (dBm) = EIRP - 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 $70 + 10\log(P)$ dB below the transmitter power P(Watts)
= P(W)- [70 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [70 + 10log(P)] (dB)
= -40dBm.

3.7.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.7.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.7.6 Test Result of Radiated Spurious Emission (Below 1GHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

3.7.7 Test Result of Radiated Spurious Emission (Above 1GHz)

Refer as Appendix F

3.8 Frequency Stability Measurement

3.8.1 Description of Frequency Stability Measurement

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

3.8.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

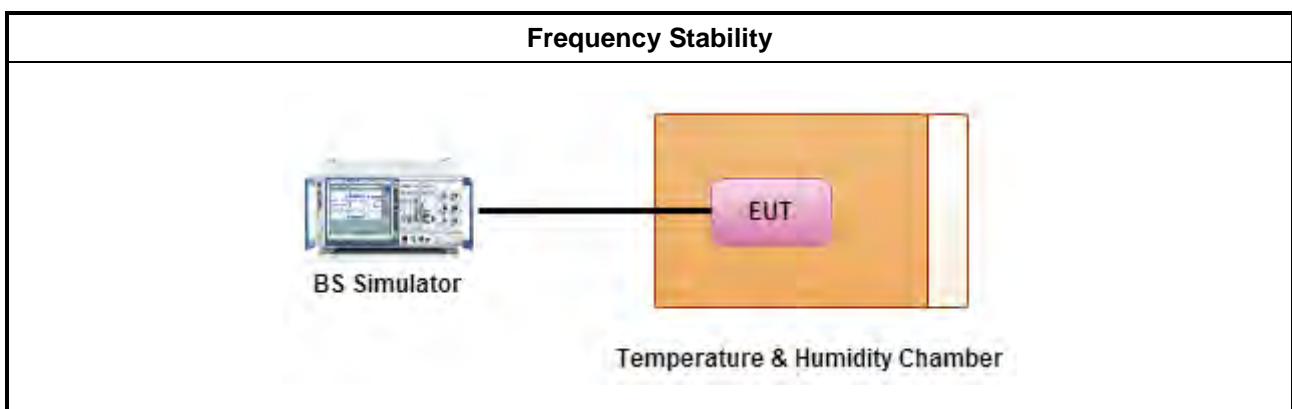
3.8.3 Test Procedures for Temperature Variation

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 steps 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.

3.8.4 Test Procedures for Voltage Variation

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

3.8.5 Test Setup



3.8.6 Test Result of Frequency Stability

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Radio Communication Analyzer	Anritsu	MT8820C	6201300619	1GHz~3.8GHz	Nov. 27, 2022	Nov. 26, 2023	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Signal analyzer	Keysight	N9020A	MY55400138	10 Hz up to 26.5 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 23, 2022	May 22, 2023	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 22, 2023	May 21, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Cable	Woken	RG402	low Cable-30	9 kHz –1 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Cable	Woken	RG402	low Cable-30	9 kHz –1 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2022	Sep. 11, 2023	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2022	Sep. 11, 2023	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
MW Analog Signal Generator	Keysight	N5183A	MY50142965	100kHz~20GHz	Nov. 25, 2022	Nov. 24, 2023	Conducted (TH01-CB)
MW Analog Signal Generator	Keysight	N5183A	MY50142965	100kHz~20GHz	Nov. 17, 2023	Nov. 16, 2024	Conducted (TH01-CB)
Radio Communication Analyzer	Anritsu	MT8820C	6201300619	1GHz~3.8GHz	Nov. 27, 2022	Nov. 26, 2023	Conducted (TH01-CB)
Radio Communication Analyzer	Anritsu	MT8821C	6262170398	400MHz~6GHz	Nov. 07, 2023	Nov. 06, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 30	-	-	-	-
LTE_5MHz_QPSK_1TX	7.98	0.006	15.48	0.035
LTE_5MHz_16QAM_1TX	7.21	0.005	14.71	0.030
LTE_5MHz_64QAM_1TX	7.11	0.005	14.61	0.029
LTE_10MHz_QPSK_1TX	8.08	0.006	15.58	0.036
LTE_10MHz_16QAM_1TX	7.31	0.005	14.81	0.030
LTE_10MHz_64QAM_1TX	7.16	0.005	14.66	0.029

DG = Directional Gain; Port n = Port n output power

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
Band 30_LTE_5MHz_QPSK_1TX	-	-	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	6.98	6.98	0.005	14.48	0.028	Inf
2307.5MHz_RB 1,#RB L	Pass	7.50	7.85	7.85	0.006	15.35	0.034	Inf
2307.5MHz_RB 1,#RB M	Pass	7.50	7.95	7.95	0.006	15.45	0.035	Inf
2307.5MHz_RB 1,#RB H	Pass	7.50	7.88	7.88	0.006	15.38	0.035	Inf
2307.5MHz_RB 12,#RB L	Pass	7.50	6.93	6.93	0.005	14.43	0.028	Inf
2307.5MHz_RB 12,#RB M	Pass	7.50	6.99	6.99	0.005	14.49	0.028	Inf
2307.5MHz_RB 12,#RB H	Pass	7.50	6.94	6.94	0.005	14.44	0.028	Inf
2310MHz_RB 25,#RB 0	Pass	7.50	6.99	6.99	0.005	14.49	0.028	Inf
2310MHz_RB 1,#RB L	Pass	7.50	7.87	7.87	0.006	15.37	0.034	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.98	7.98	0.006	15.48	0.035	Inf
2310MHz_RB 1,#RB H	Pass	7.50	7.90	7.90	0.006	15.40	0.035	Inf
2310MHz_RB 12,#RB L	Pass	7.50	6.92	6.92	0.005	14.42	0.028	Inf
2310MHz_RB 12,#RB M	Pass	7.50	7.01	7.01	0.005	14.51	0.028	Inf
2310MHz_RB 12,#RB H	Pass	7.50	6.97	6.97	0.005	14.47	0.028	Inf
2312.5MHz_RB 25,#RB 0	Pass	7.50	7.00	7.00	0.005	14.50	0.028	Inf
2312.5MHz_RB 1,#RB L	Pass	7.50	7.91	7.91	0.006	15.41	0.035	Inf
2312.5MHz_RB 1,#RB M	Pass	7.50	7.98	7.98	0.006	15.48	0.035	Inf
2312.5MHz_RB 1,#RB H	Pass	7.50	7.92	7.92	0.006	15.42	0.035	Inf
2312.5MHz_RB 12,#RB L	Pass	7.50	6.96	6.96	0.005	14.46	0.028	Inf
2312.5MHz_RB 12,#RB M	Pass	7.50	7.01	7.01	0.005	14.51	0.028	Inf
2312.5MHz_RB 12,#RB H	Pass	7.50	6.98	6.98	0.005	14.48	0.028	Inf
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	5.91	5.91	0.004	13.41	0.022	Inf
2307.5MHz_RB 1,#RB L	Pass	7.50	7.04	7.04	0.005	14.54	0.028	Inf
2307.5MHz_RB 1,#RB M	Pass	7.50	7.15	7.15	0.005	14.65	0.029	Inf
2307.5MHz_RB 1,#RB H	Pass	7.50	7.09	7.09	0.005	14.59	0.029	Inf
2307.5MHz_RB 12,#RB L	Pass	7.50	5.90	5.90	0.004	13.40	0.022	Inf
2307.5MHz_RB 12,#RB M	Pass	7.50	5.95	5.95	0.004	13.45	0.022	Inf
2307.5MHz_RB 12,#RB H	Pass	7.50	5.92	5.92	0.004	13.42	0.022	Inf
2310MHz_RB 25,#RB 0	Pass	7.50	5.95	5.95	0.004	13.45	0.022	Inf
2310MHz_RB 1,#RB L	Pass	7.50	7.07	7.07	0.005	14.57	0.029	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.19	7.19	0.005	14.69	0.029	Inf
2310MHz_RB 1,#RB H	Pass	7.50	7.08	7.08	0.005	14.58	0.029	Inf
2310MHz_RB 12,#RB L	Pass	7.50	5.90	5.90	0.004	13.40	0.022	Inf
2310MHz_RB 12,#RB M	Pass	7.50	5.97	5.97	0.004	13.47	0.022	Inf
2310MHz_RB 12,#RB H	Pass	7.50	5.93	5.93	0.004	13.43	0.022	Inf
2312.5MHz_RB 25,#RB 0	Pass	7.50	5.96	5.96	0.004	13.46	0.022	Inf
2312.5MHz_RB 1,#RB L	Pass	7.50	7.11	7.11	0.005	14.61	0.029	Inf
2312.5MHz_RB 1,#RB M	Pass	7.50	7.21	7.21	0.005	14.71	0.030	Inf
2312.5MHz_RB 1,#RB H	Pass	7.50	7.10	7.10	0.005	14.60	0.029	Inf
2312.5MHz_RB 12,#RB L	Pass	7.50	5.91	5.91	0.004	13.41	0.022	Inf
2312.5MHz_RB 12,#RB M	Pass	7.50	5.99	5.99	0.004	13.49	0.022	Inf
2312.5MHz_RB 12,#RB H	Pass	7.50	5.98	5.98	0.004	13.48	0.022	Inf
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	5.91	5.91	0.004	13.41	0.022	Inf
2307.5MHz_RB 1,#RB L	Pass	7.50	6.96	6.96	0.005	14.46	0.028	Inf
2307.5MHz_RB 1,#RB M	Pass	7.50	7.04	7.04	0.005	14.54	0.028	Inf
2307.5MHz_RB 1,#RB H	Pass	7.50	6.96	6.96	0.005	14.46	0.028	Inf
2307.5MHz_RB 12,#RB L	Pass	7.50	5.85	5.85	0.004	13.35	0.022	Inf
2307.5MHz_RB 12,#RB M	Pass	7.50	5.92	5.92	0.004	13.42	0.022	Inf
2307.5MHz_RB 12,#RB H	Pass	7.50	5.90	5.90	0.004	13.40	0.022	Inf
2310MHz_RB 25,#RB 0	Pass	7.50	5.94	5.94	0.004	13.44	0.022	Inf
2310MHz_RB 1,#RB L	Pass	7.50	6.99	6.99	0.005	14.49	0.028	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.06	7.06	0.005	14.56	0.029	Inf
2310MHz_RB 1,#RB H	Pass	7.50	6.98	6.98	0.005	14.48	0.028	Inf
2310MHz_RB 12,#RB L	Pass	7.50	5.88	5.88	0.004	13.38	0.022	Inf
2310MHz_RB 12,#RB M	Pass	7.50	5.94	5.94	0.004	13.44	0.022	Inf
2310MHz_RB 12,#RB H	Pass	7.50	5.92	5.92	0.004	13.42	0.022	Inf
2312.5MHz_RB 25,#RB 0	Pass	7.50	5.94	5.94	0.004	13.44	0.022	Inf
2312.5MHz_RB 1,#RB L	Pass	7.50	6.97	6.97	0.005	14.47	0.028	Inf



Average Power

Appendix A

Mode	Result	DG (dBi)	Port 1 (dBm)	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)
2312.5MHz_RB 1,#RB M	Pass	7.50	7.11	7.11	0.005	14.61	0.029	Inf
2312.5MHz_RB 1,#RB H	Pass	7.50	6.99	6.99	0.005	14.49	0.028	Inf
2312.5MHz_RB 12,#RB L	Pass	7.50	5.88	5.88	0.004	13.38	0.022	Inf
2312.5MHz_RB 12,#RB M	Pass	7.50	5.95	5.95	0.004	13.45	0.022	Inf
2312.5MHz_RB 12,#RB H	Pass	7.50	5.95	5.95	0.004	13.45	0.022	Inf
Band 30_LTE_10MHz_QPSK_1TX	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	7.01	7.01	0.005	14.51	0.028	Inf
2310MHz_RB 1,#RB L	Pass	7.50	7.88	7.88	0.006	15.38	0.035	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.99	7.99	0.006	15.49	0.035	Inf
2310MHz_RB 1,#RB H	Pass	7.50	8.08	8.08	0.006	15.58	0.036	Inf
2310MHz_RB 25,#RB L	Pass	7.50	7.00	7.00	0.005	14.50	0.028	Inf
2310MHz_RB 25,#RB M	Pass	7.50	7.08	7.08	0.005	14.58	0.029	Inf
2310MHz_RB 25,#RB H	Pass	7.50	7.06	7.06	0.005	14.56	0.029	Inf
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	5.99	5.99	0.004	13.49	0.022	Inf
2310MHz_RB 1,#RB L	Pass	7.50	7.10	7.10	0.005	14.60	0.029	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.19	7.19	0.005	14.69	0.029	Inf
2310MHz_RB 1,#RB H	Pass	7.50	7.31	7.31	0.005	14.81	0.030	Inf
2310MHz_RB 25,#RB L	Pass	7.50	5.95	5.95	0.004	13.45	0.022	Inf
2310MHz_RB 25,#RB M	Pass	7.50	6.03	6.03	0.004	13.53	0.023	Inf
2310MHz_RB 25,#RB H	Pass	7.50	6.02	6.02	0.004	13.52	0.022	Inf
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	5.98	5.98	0.004	13.48	0.022	Inf
2310MHz_RB 1,#RB L	Pass	7.50	7.00	7.00	0.005	14.50	0.028	Inf
2310MHz_RB 1,#RB M	Pass	7.50	7.08	7.08	0.005	14.58	0.029	Inf
2310MHz_RB 1,#RB H	Pass	7.50	7.16	7.16	0.005	14.66	0.029	Inf
2310MHz_RB 25,#RB L	Pass	7.50	5.94	5.94	0.004	13.44	0.022	Inf
2310MHz_RB 25,#RB M	Pass	7.50	6.01	6.01	0.004	13.51	0.022	Inf
2310MHz_RB 25,#RB H	Pass	7.50	6.03	6.03	0.004	13.53	0.023	Inf

DG = Directional Gain; Port n = Port n output power



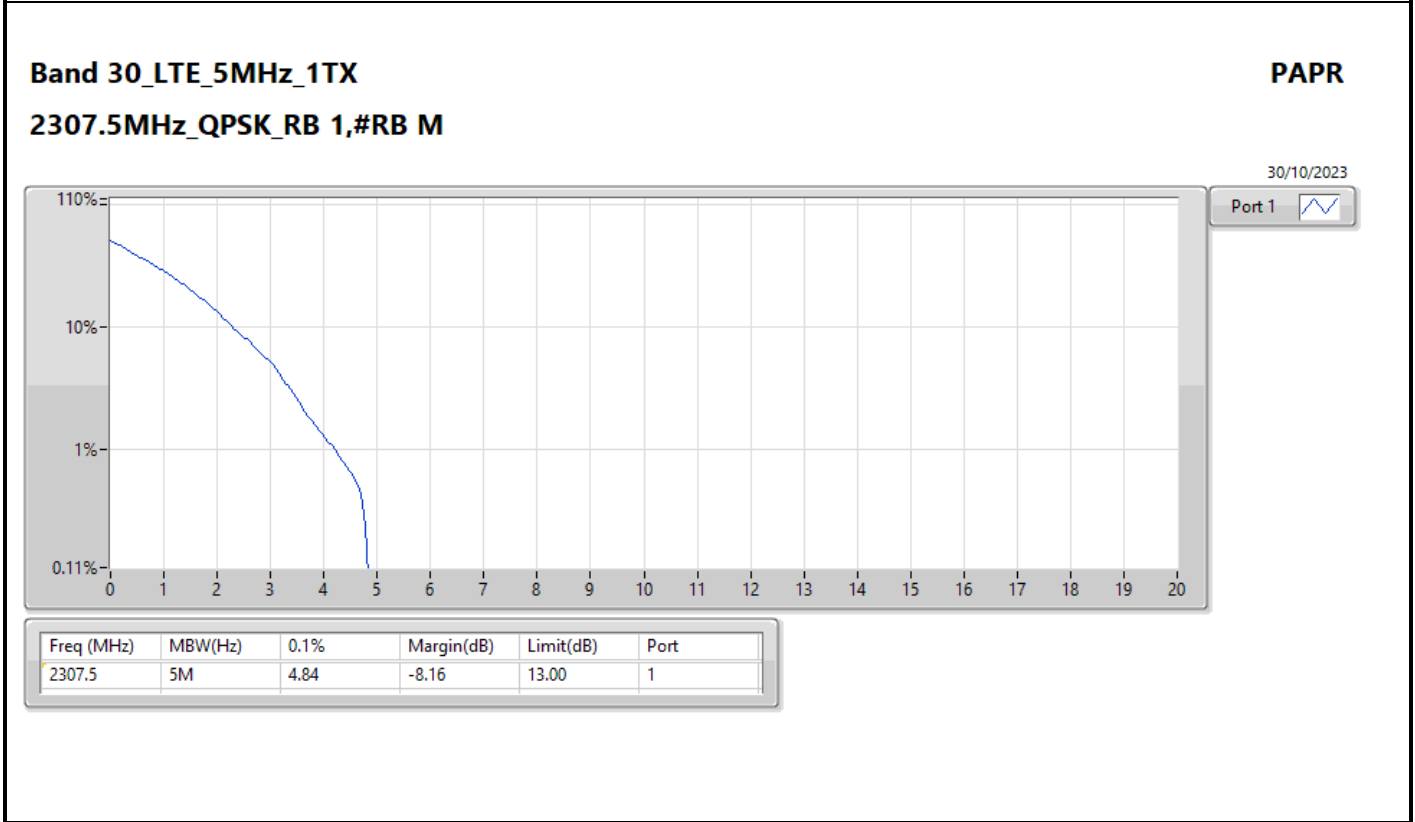
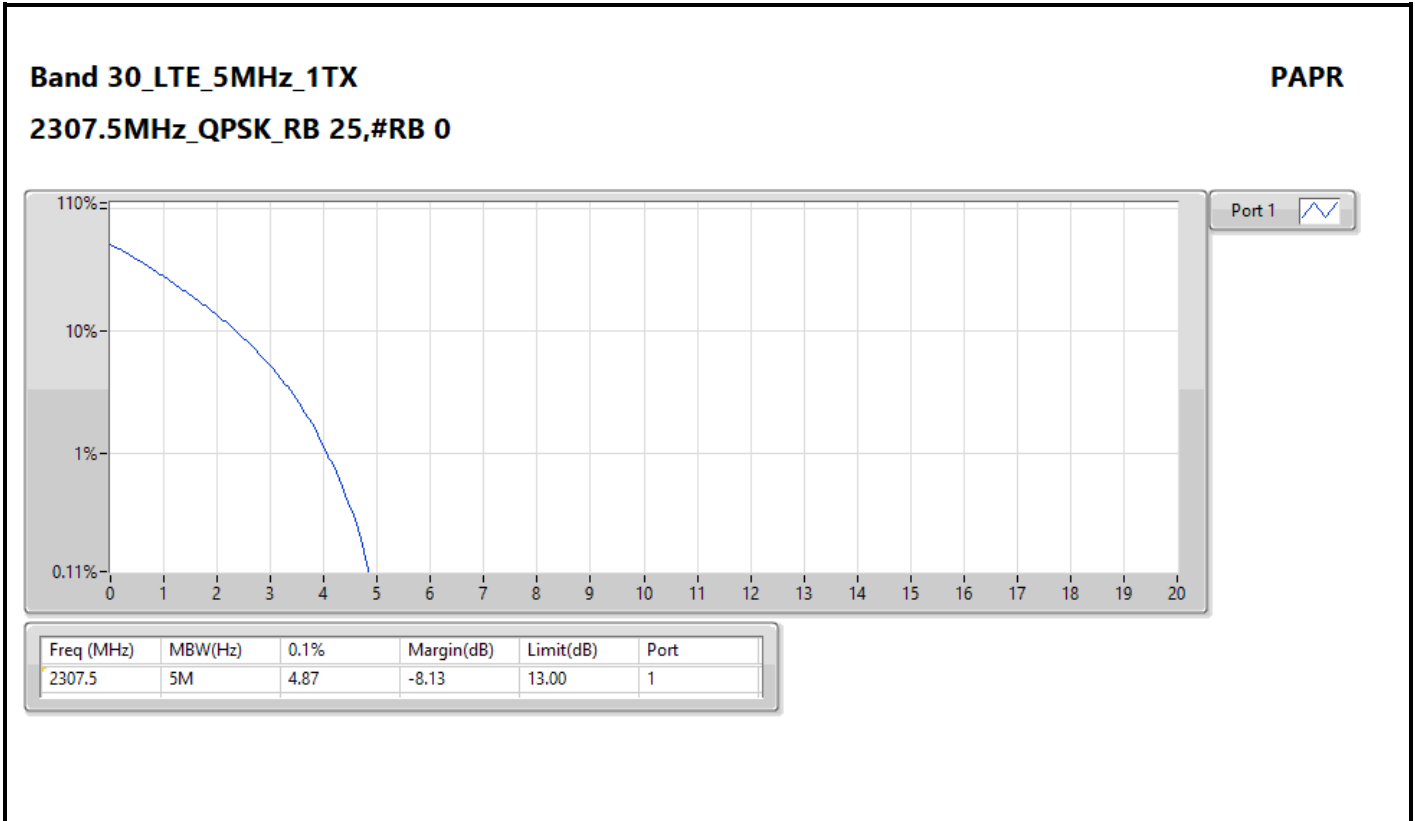
Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 30	-	-	-	-	-
LTE_5MHz_QPSK_1TX	Pass	2310	13.00	4.93	1
LTE_5MHz_16QAM_1TX	Pass	2307.5	13.00	5.86	1
LTE_5MHz_64QAM_1TX	Pass	2307.5	13.00	5.71	1
LTE_10MHz_QPSK_1TX	Pass	2310	13.00	4.96	1
LTE_10MHz_16QAM_1TX	Pass	2310	13.00	5.74	1
LTE_10MHz_64QAM_1TX	Pass	2310	13.00	5.77	1



Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 30_LTE_5MHz_QPSK_1TX	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	2307.5	13.00	4.87	1
2307.5MHz_RB 1,#RB M	Pass	2307.5	13.00	4.84	1
2310MHz_RB 25,#RB 0	Pass	2310	13.00	4.93	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	4.81	1
2312.5MHz_RB 25,#RB 0	Pass	2312.5	13.00	4.90	1
2312.5MHz_RB 1,#RB M	Pass	2312.5	13.00	4.70	1
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	2307.5	13.00	5.86	1
2307.5MHz_RB 1,#RB M	Pass	2307.5	13.00	5.45	1
2310MHz_RB 25,#RB 0	Pass	2310	13.00	5.80	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	5.42	1
2312.5MHz_RB 25,#RB 0	Pass	2312.5	13.00	5.74	1
2312.5MHz_RB 1,#RB M	Pass	2312.5	13.00	5.39	1
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	2307.5	13.00	5.71	1
2307.5MHz_RB 1,#RB M	Pass	2307.5	13.00	5.39	1
2310MHz_RB 25,#RB 0	Pass	2310	13.00	5.71	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	5.16	1
2312.5MHz_RB 25,#RB 0	Pass	2312.5	13.00	5.71	1
2312.5MHz_RB 1,#RB M	Pass	2312.5	13.00	5.25	1
Band 30_LTE_10MHz_QPSK_1TX	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	2310	13.00	4.96	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	4.81	1
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	2310	13.00	5.74	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	5.62	1
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	2310	13.00	5.77	1
2310MHz_RB 1,#RB M	Pass	2310	13.00	5.45	1

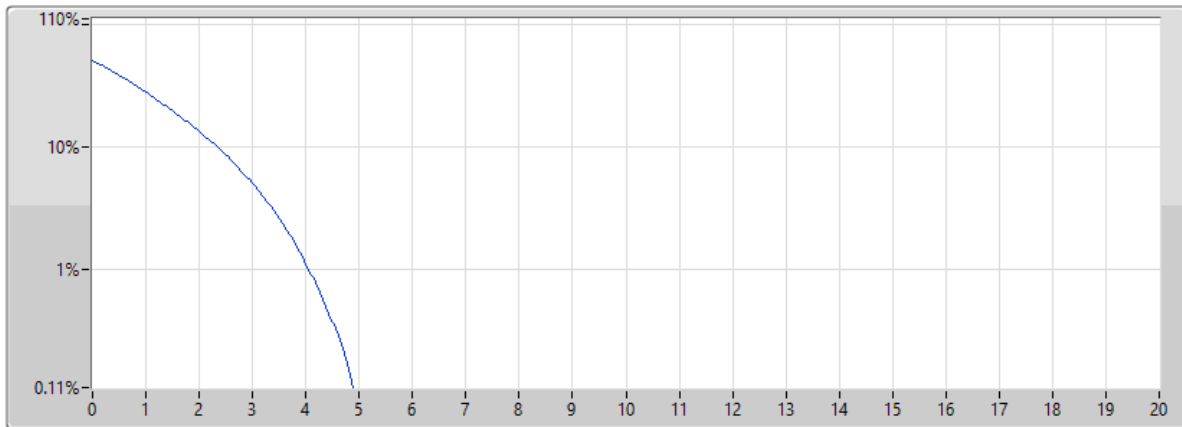



Band 30_LTE_5MHz_1TX

PAPR

2310MHz_QPSK_RB 25,#RB 0

30/10/2023



Port 1 

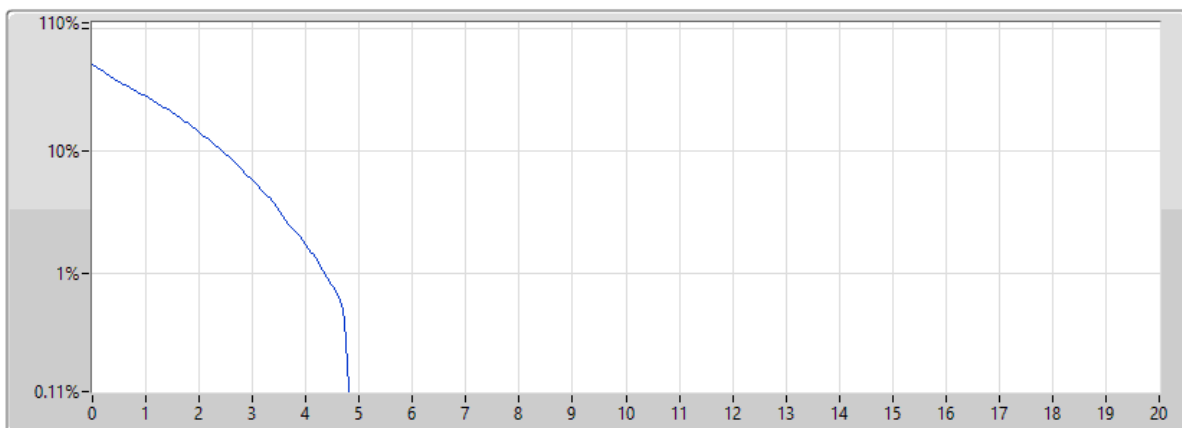
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	4.93	-8.07	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2310MHz_QPSK_RB 1,#RB M

30/10/2023



Port 1 

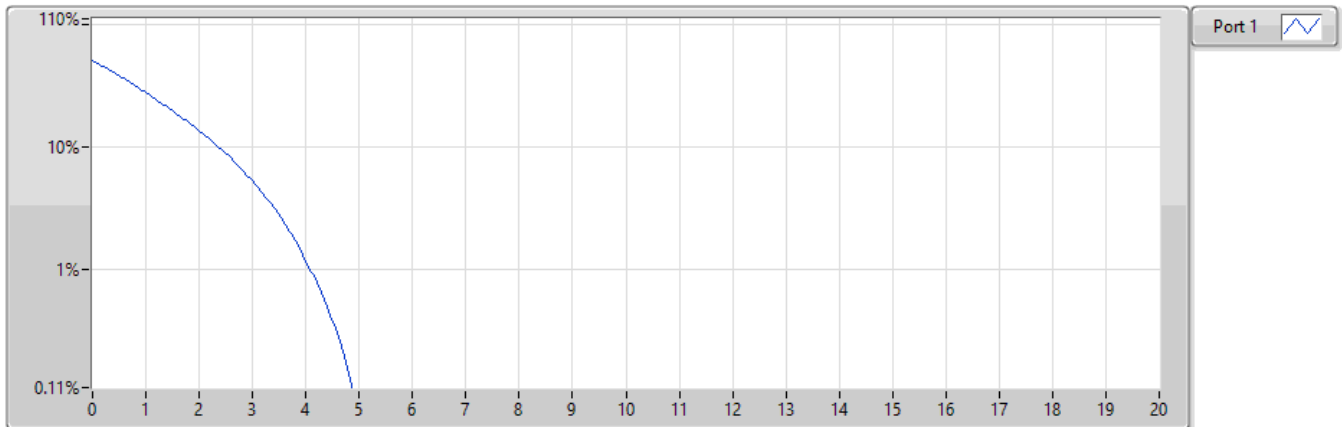
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	4.81	-8.19	13.00	1

Band 30_LTE_5MHz_1TX

PAPR

2312.5MHz_QPSK_RB 25,#RB 0

30/10/2023



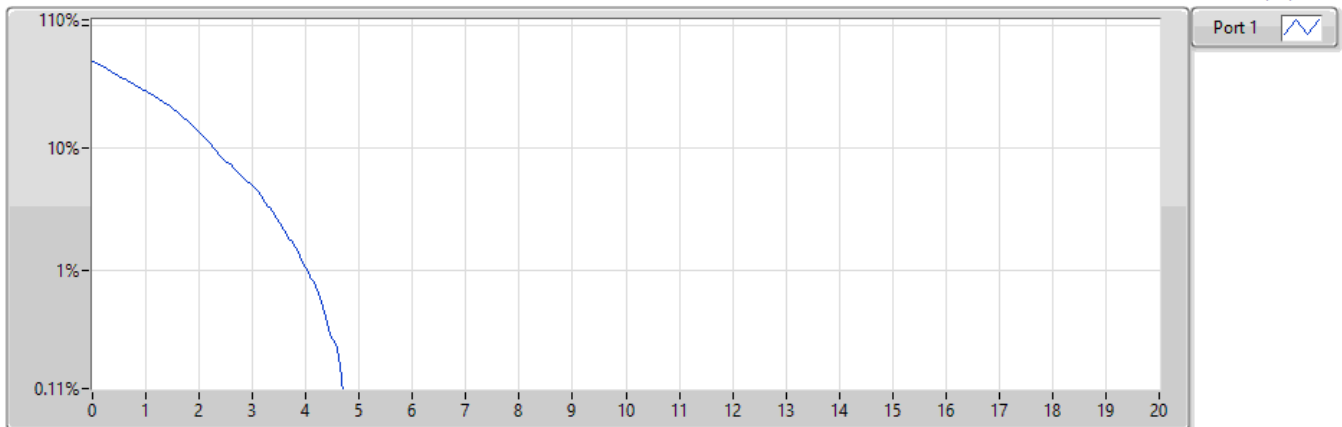
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2312.5	5M	4.90	-8.10	13.00	1

Band 30_LTE_5MHz_1TX

PAPR

2312.5MHz_QPSK_RB 1,#RB M

30/10/2023



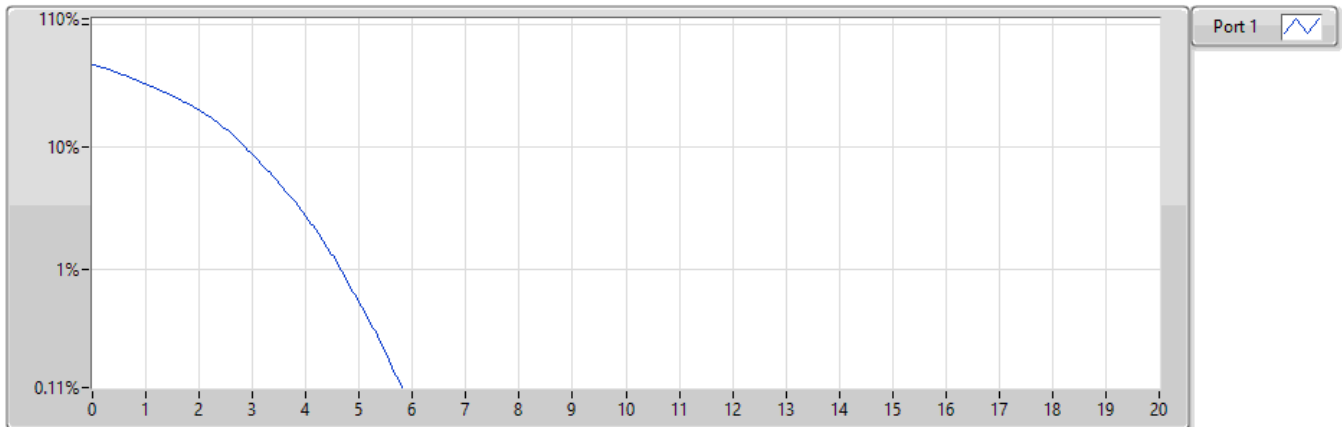
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2312.5	5M	4.70	-8.30	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2307.5MHz_16QAM_RB 25,#RB 0

30/10/2023



Port 1 

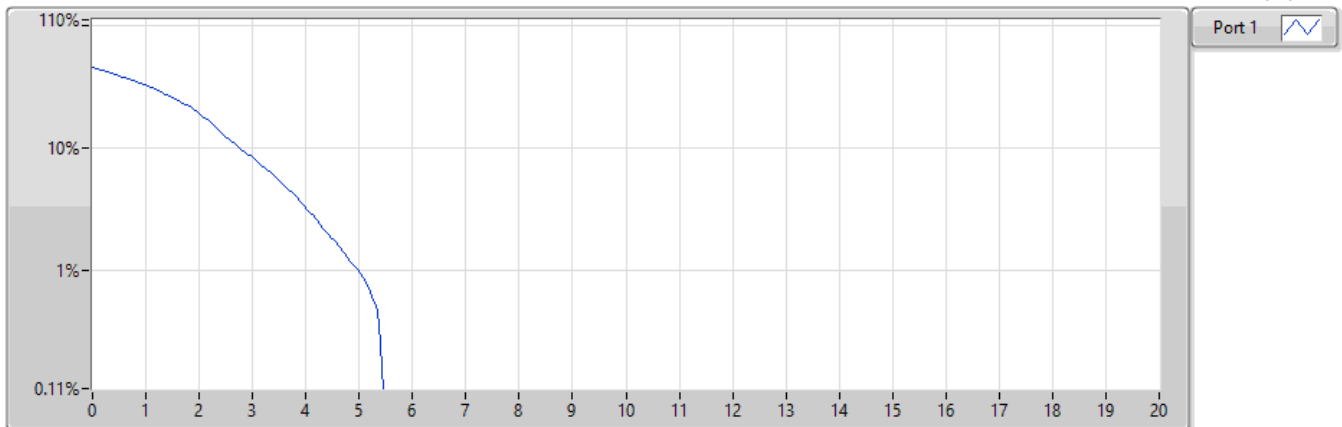
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2307.5	5M	5.86	-7.14	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2307.5MHz_16QAM_RB 1,#RB M

30/10/2023



Port 1 

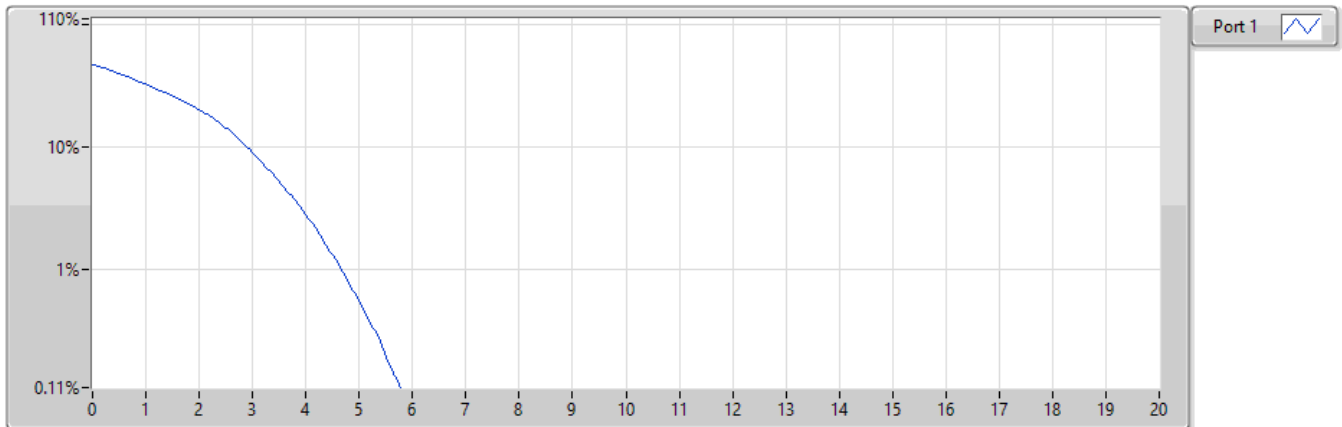
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2307.5	5M	5.45	-7.55	13.00	1

Band 30_LTE_5MHz_1TX

PAPR

2310MHz_16QAM_RB 25,#RB 0

30/10/2023



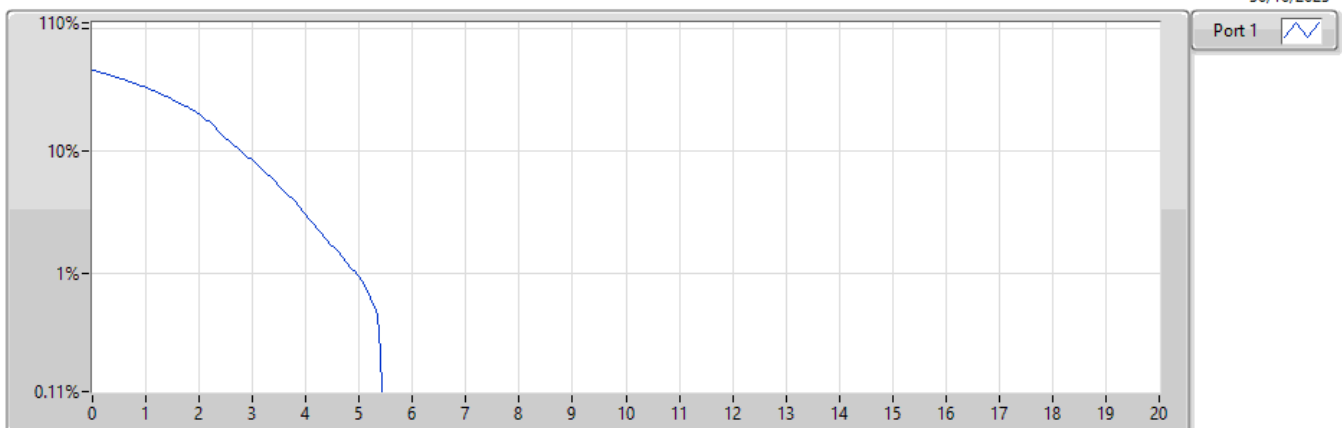
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	5.80	-7.20	13.00	1

Band 30_LTE_5MHz_1TX

PAPR

2310MHz_16QAM_RB 1,#RB M

30/10/2023



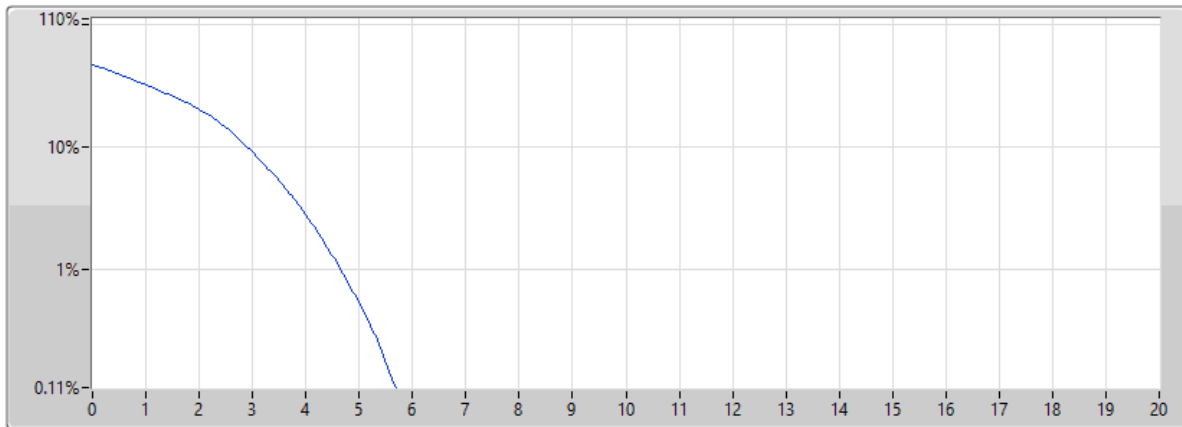
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	5.42	-7.58	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2312.5MHz_16QAM_RB 25,#RB 0

30/10/2023



Port 1 

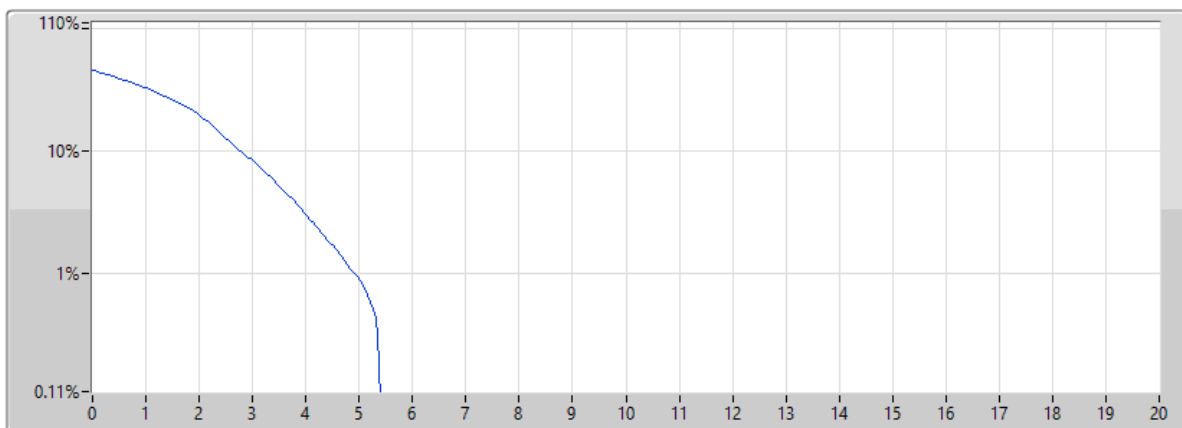
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2312.5	5M	5.74	-7.26	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2312.5MHz_16QAM_RB 1,#RB M

30/10/2023



Port 1 

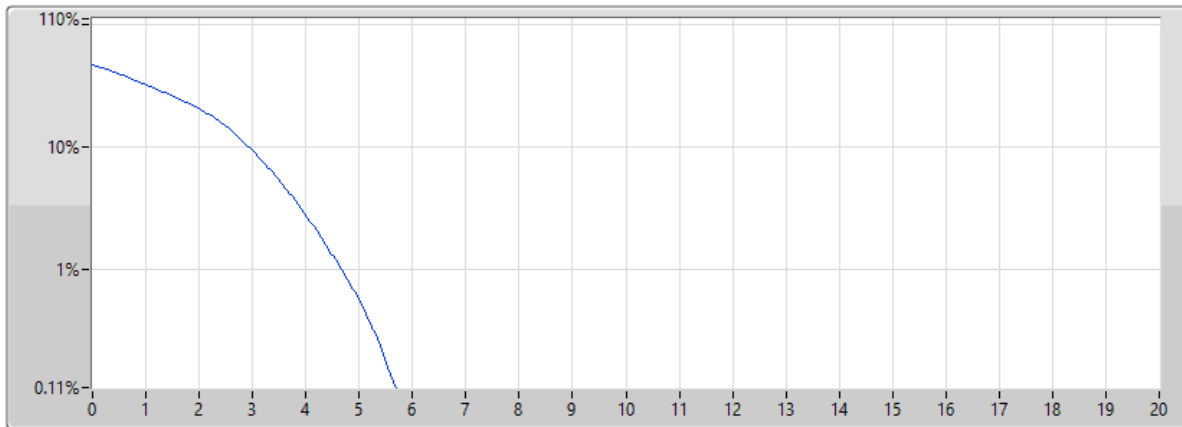
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2312.5	5M	5.39	-7.61	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2307.5MHz_64QAM_RB 25,#RB 0

30/10/2023



Port 1 

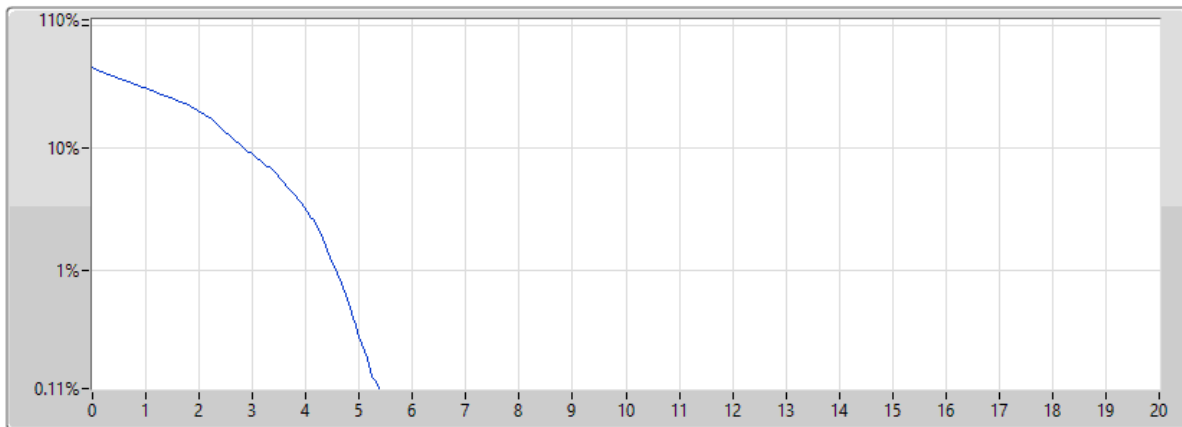
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2307.5	5M	5.71	-7.29	13.00	1


Band 30_LTE_5MHz_1TX

PAPR

2307.5MHz_64QAM_RB 1,#RB M

30/10/2023



Port 1 

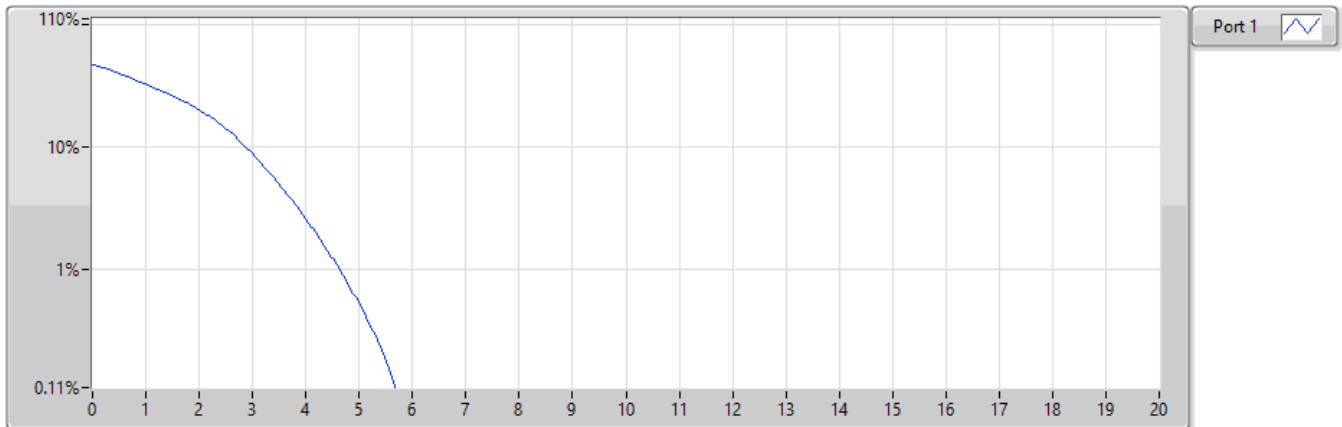
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2307.5	5M	5.39	-7.61	13.00	1

Band 30_LTE_5MHz_1TX

PAPR

2310MHz_64QAM_RB 25,#RB 0

30/10/2023



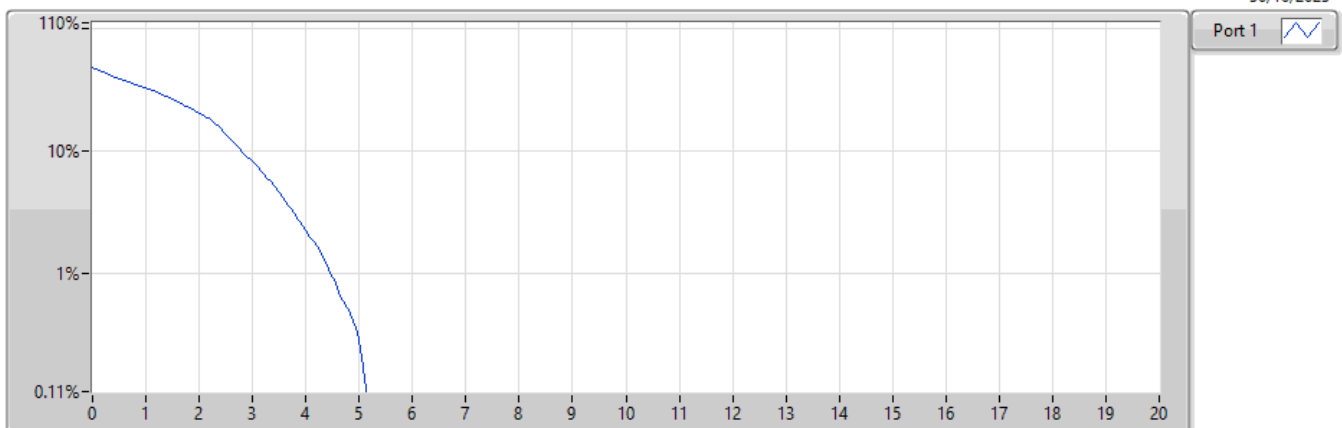
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	5.71	-7.29	13.00	1

Band 30_LTE_5MHz_1TX

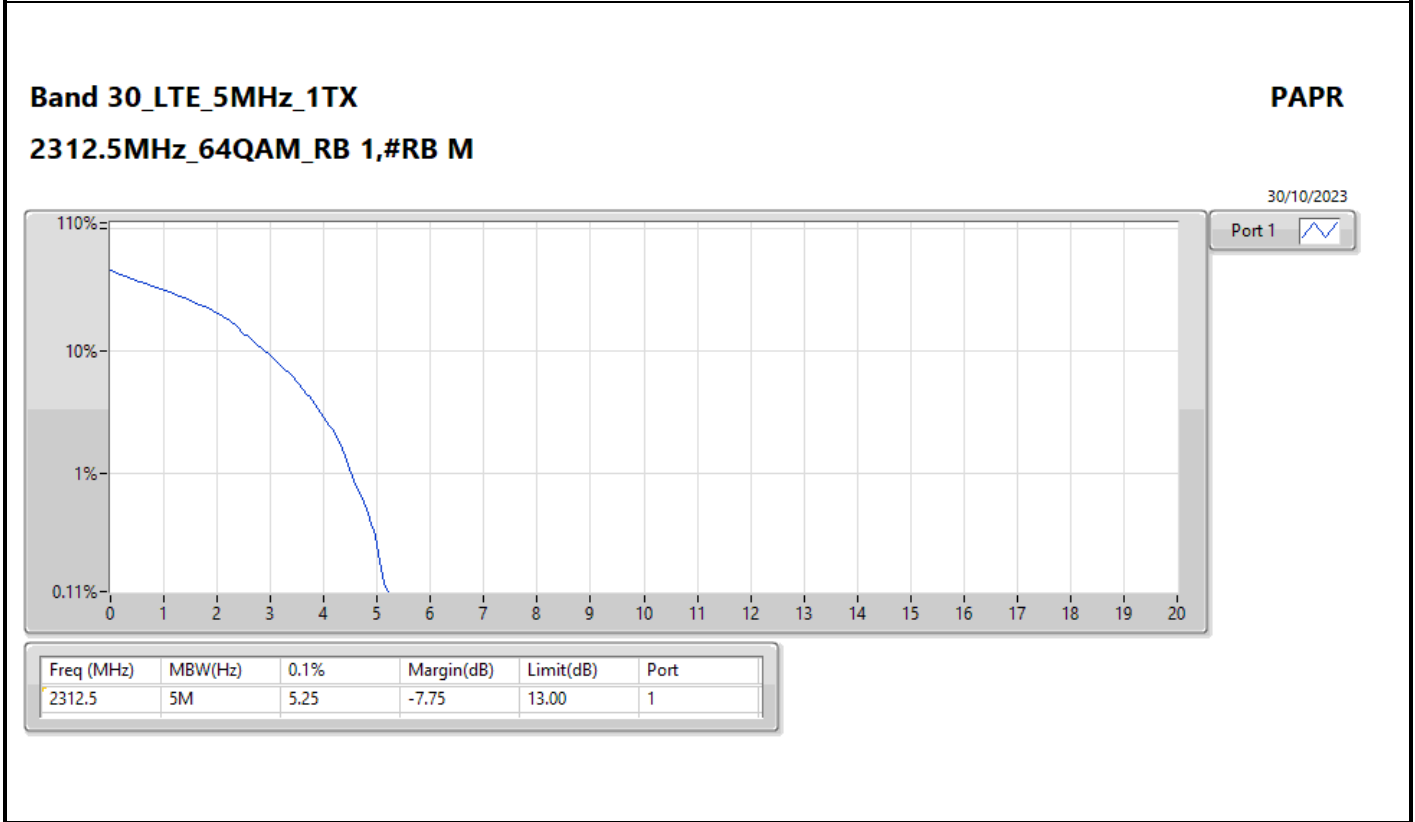
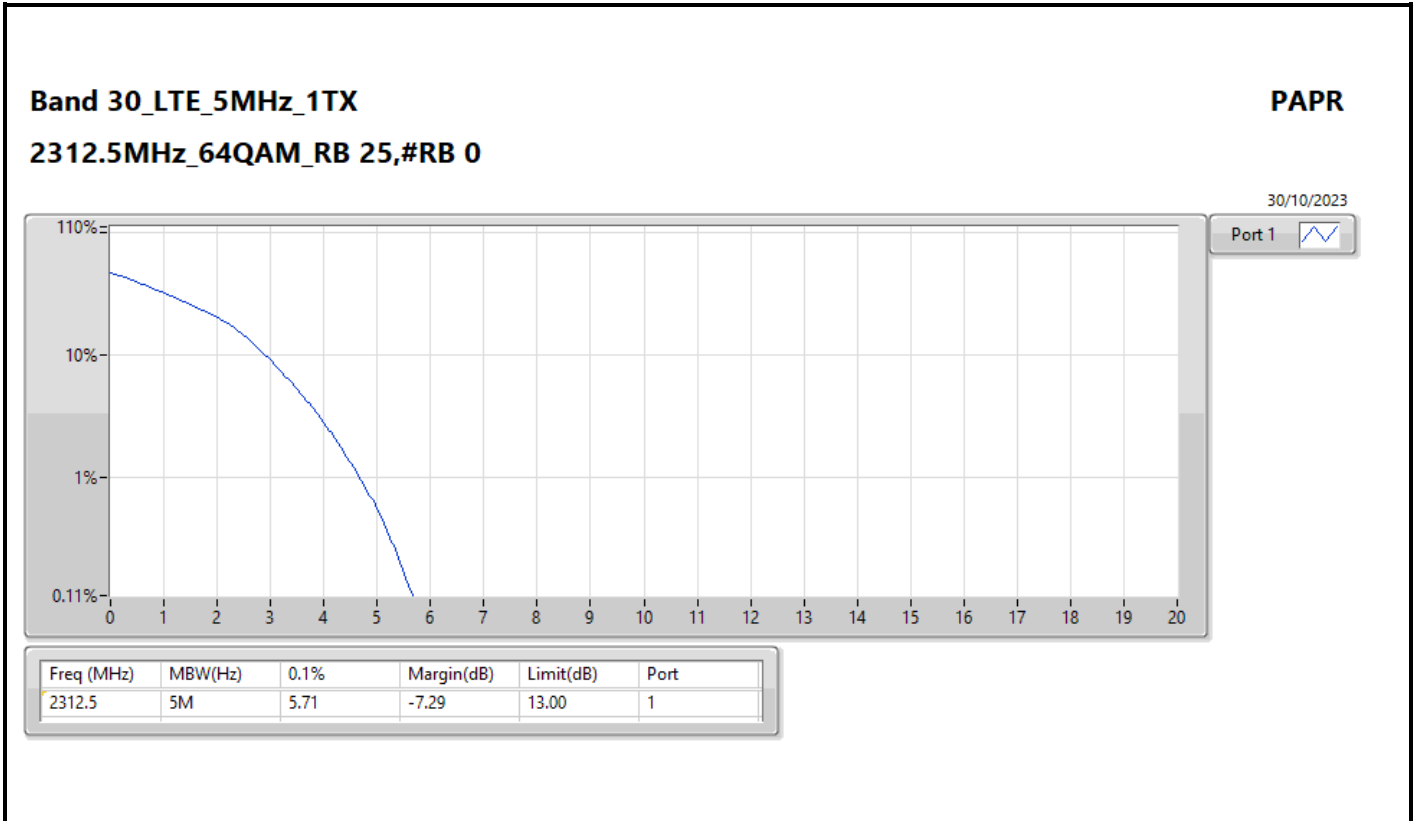
PAPR

2310MHz_64QAM_RB 1,#RB M

30/10/2023



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	5M	5.16	-7.84	13.00	1

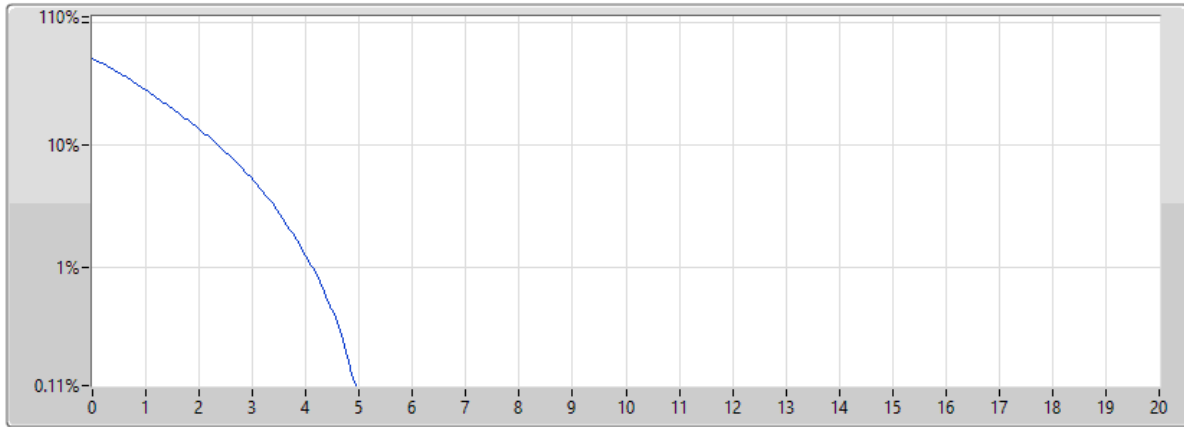



Band 30_LTE_10MHz_1TX

PAPR

2310MHz_QPSK_RB 50,#RB 0

30/10/2023



Port 1 

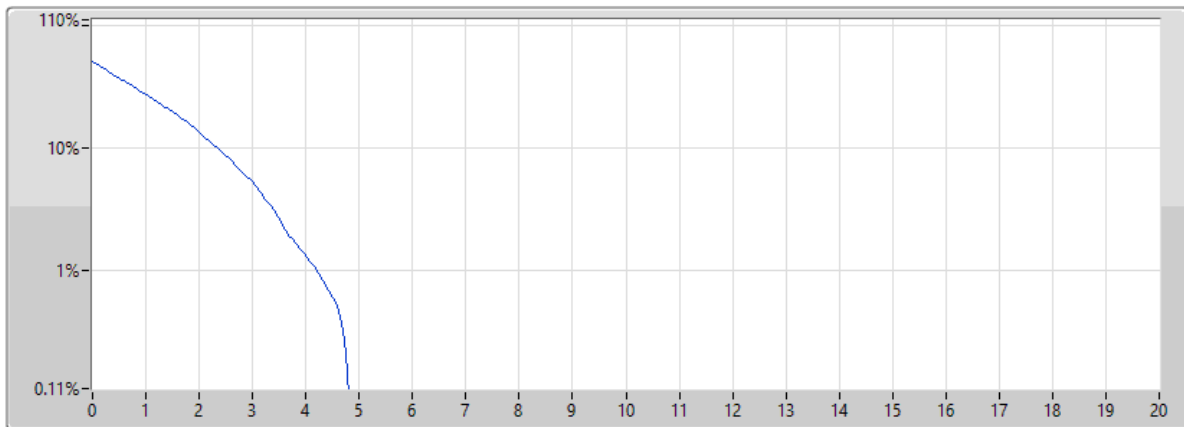
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	4.96	-8.04	13.00	1


Band 30_LTE_10MHz_1TX

PAPR

2310MHz_QPSK_RB 1,#RB M

30/10/2023



Port 1 

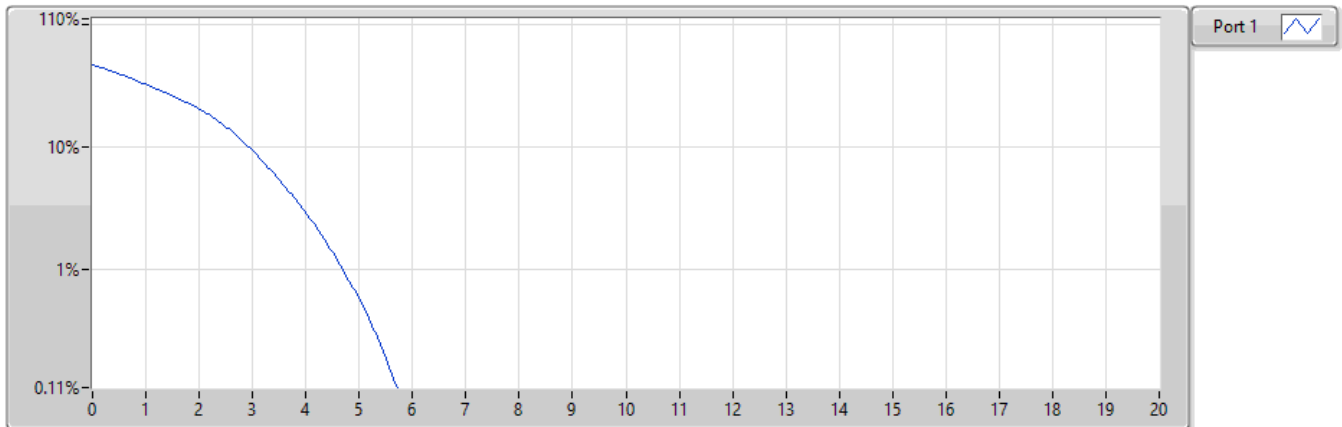
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	4.81	-8.19	13.00	1

Band 30_LTE_10MHz_1TX

PAPR

2310MHz_16QAM_RB 50,#RB 0

30/10/2023



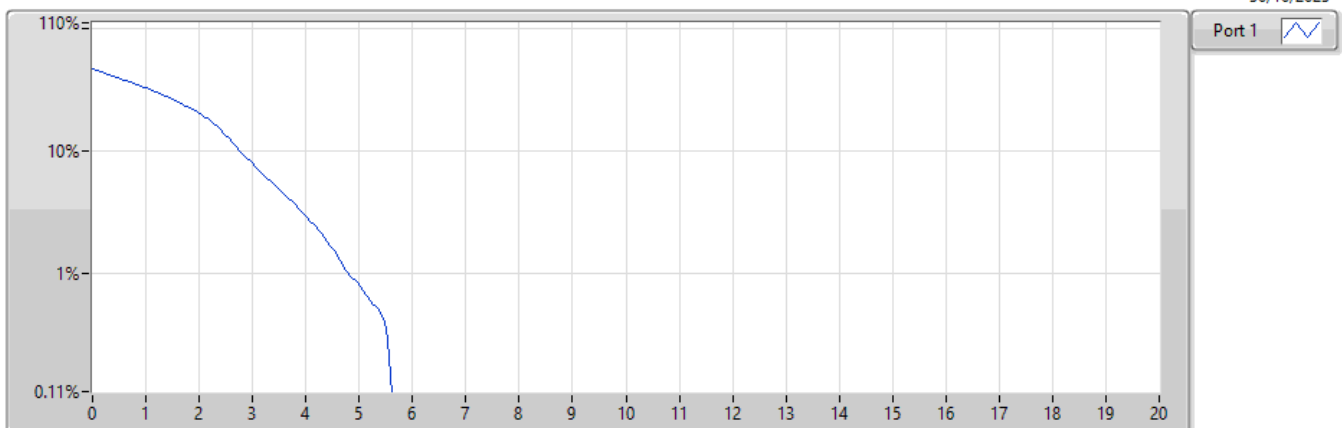
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.74	-7.26	13.00	1

Band 30_LTE_10MHz_1TX

PAPR

2310MHz_16QAM_RB 1,#RB M

30/10/2023



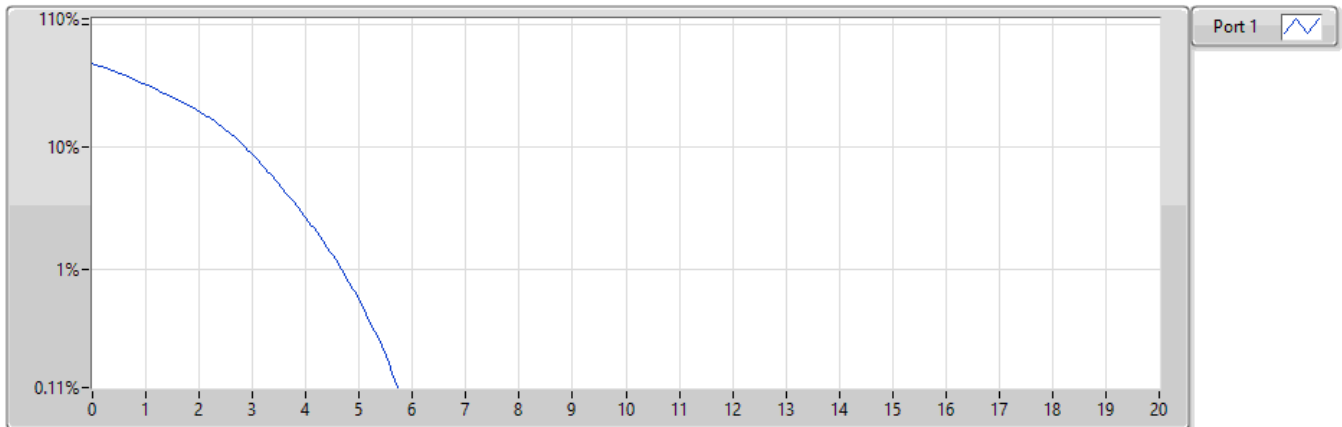
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.62	-7.38	13.00	1


Band 30_LTE_10MHz_1TX

PAPR

2310MHz_64QAM_RB 50,#RB 0

30/10/2023



Port 1 

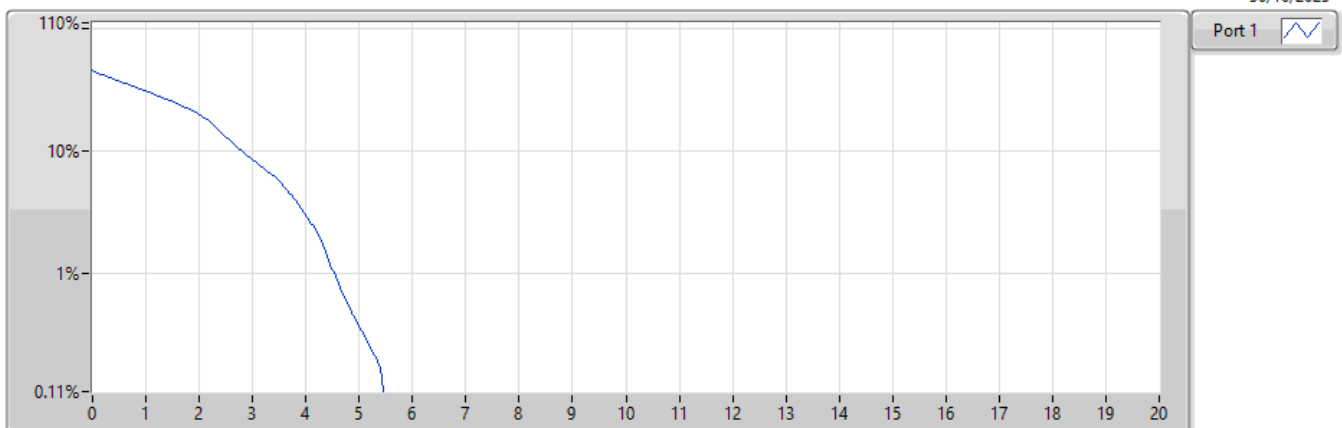
Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.77	-7.23	13.00	1


Band 30_LTE_10MHz_1TX

PAPR

2310MHz_64QAM_RB 1,#RB M

30/10/2023



Port 1 

Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.45	-7.55	13.00	1



Summary

Mode	PD (dBm/MHz)	EIRP PD (dBm/MHz)
Band 30	-	-
LTE_5MHz_OPSK_1TX	9.46	16.96
LTE_5MHz_16QAM_1TX	8.66	16.16
LTE_5MHz_64QAM_1TX	8.52	16.02
LTE_10MHz_OPSK_1TX	8.39	15.89
LTE_10MHz_16QAM_1TX	8.54	16.04
LTE_10MHz_64QAM_1TX	8.22	15.72

DG = Directional Gain;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

Result

Mode	Result	DG (dB)	Port 1 (dBm/MHz)	PD (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Band 30_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	0.78	0.78	8.28	16.98
2307.5MHz_RB 1,#RB L	Pass	7.50	8.95	8.95	16.45	16.98
2307.5MHz_RB 1,#RB M	Pass	7.50	9.46	9.46	16.96	16.98
2307.5MHz_RB 1,#RB H	Pass	7.50	9.14	9.14	16.64	16.98
2307.5MHz_RB 12,#RB L	Pass	7.50	3.60	3.60	11.10	16.98
2307.5MHz_RB 12,#RB M	Pass	7.50	3.87	3.87	11.37	16.98
2307.5MHz_RB 12,#RB H	Pass	7.50	3.68	3.68	11.18	16.98
2310MHz_RB 25,#RB 0	Pass	7.50	1.15	1.15	8.65	16.98
2310MHz_RB 1,#RB L	Pass	7.50	8.50	8.50	16.00	16.98
2310MHz_RB 1,#RB M	Pass	7.50	8.94	8.94	16.44	16.98
2310MHz_RB 1,#RB H	Pass	7.50	8.53	8.53	16.03	16.98
2310MHz_RB 12,#RB L	Pass	7.50	4.14	4.14	11.64	16.98
2310MHz_RB 12,#RB M	Pass	7.50	3.67	3.67	11.17	16.98
2310MHz_RB 12,#RB H	Pass	7.50	3.76	3.76	11.26	16.98
2312.5MHz_RB 25,#RB 0	Pass	7.50	1.36	1.36	8.86	16.98
2312.5MHz_RB 1,#RB L	Pass	7.50	8.79	8.79	16.29	16.98
2312.5MHz_RB 1,#RB M	Pass	7.50	8.80	8.80	16.30	16.98
2312.5MHz_RB 1,#RB H	Pass	7.50	9.19	9.19	16.69	16.98
2312.5MHz_RB 12,#RB L	Pass	7.50	3.68	3.68	11.18	16.98
2312.5MHz_RB 12,#RB M	Pass	7.50	3.77	3.77	11.27	16.98
2312.5MHz_RB 12,#RB H	Pass	7.50	3.97	3.97	11.47	16.98
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	-0.16	-0.16	7.34	16.98
2307.5MHz_RB 1,#RB L	Pass	7.50	7.82	7.82	15.32	16.98
2307.5MHz_RB 1,#RB M	Pass	7.50	8.66	8.66	16.16	16.98
2307.5MHz_RB 1,#RB H	Pass	7.50	8.11	8.11	15.61	16.98
2307.5MHz_RB 12,#RB L	Pass	7.50	2.70	2.70	10.20	16.98
2307.5MHz_RB 12,#RB M	Pass	7.50	2.92	2.92	10.42	16.98
2307.5MHz_RB 12,#RB H	Pass	7.50	2.90	2.90	10.40	16.98
2310MHz_RB 25,#RB 0	Pass	7.50	0.07	0.07	7.57	16.98
2310MHz_RB 1,#RB L	Pass	7.50	7.74	7.74	15.24	16.98
2310MHz_RB 1,#RB M	Pass	7.50	7.72	7.72	15.22	16.98
2310MHz_RB 1,#RB H	Pass	7.50	7.71	7.71	15.21	16.98
2310MHz_RB 12,#RB L	Pass	7.50	2.93	2.93	10.43	16.98
2310MHz_RB 12,#RB M	Pass	7.50	2.54	2.54	10.04	16.98
2310MHz_RB 12,#RB H	Pass	7.50	2.45	2.45	9.95	16.98
2312.5MHz_RB 25,#RB 0	Pass	7.50	0.10	0.10	7.60	16.98
2312.5MHz_RB 1,#RB L	Pass	7.50	7.70	7.70	15.20	16.98
2312.5MHz_RB 1,#RB M	Pass	7.50	8.27	8.27	15.77	16.98
2312.5MHz_RB 1,#RB H	Pass	7.50	8.65	8.65	16.15	16.98
2312.5MHz_RB 12,#RB L	Pass	7.50	2.44	2.44	9.94	16.98
2312.5MHz_RB 12,#RB M	Pass	7.50	2.72	2.72	10.22	16.98
2312.5MHz_RB 12,#RB H	Pass	7.50	3.51	3.51	11.01	16.98
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	7.50	0.37	0.37	7.87	16.98
2307.5MHz_RB 1,#RB L	Pass	7.50	7.97	7.97	15.47	16.98
2307.5MHz_RB 1,#RB M	Pass	7.50	7.65	7.65	15.15	16.98
2307.5MHz_RB 1,#RB H	Pass	7.50	8.00	8.00	15.50	16.98
2307.5MHz_RB 12,#RB L	Pass	7.50	2.55	2.55	10.05	16.98
2307.5MHz_RB 12,#RB M	Pass	7.50	2.87	2.87	10.37	16.98
2307.5MHz_RB 12,#RB H	Pass	7.50	2.83	2.83	10.33	16.98
2310MHz_RB 25,#RB 0	Pass	7.50	0.23	0.23	7.73	16.98
2310MHz_RB 1,#RB L	Pass	7.50	7.82	7.82	15.32	16.98
2310MHz_RB 1,#RB M	Pass	7.50	8.52	8.52	16.02	16.98
2310MHz_RB 1,#RB H	Pass	7.50	8.38	8.38	15.88	16.98
2310MHz_RB 12,#RB L	Pass	7.50	3.07	3.07	10.57	16.98
2310MHz_RB 12,#RB M	Pass	7.50	3.04	3.04	10.54	16.98
2310MHz_RB 12,#RB H	Pass	7.50	2.66	2.66	10.16	16.98
2312.5MHz_RB 25,#RB 0	Pass	7.50	-0.26	-0.26	7.24	16.98
2312.5MHz_RB 1,#RB L	Pass	7.50	8.39	8.39	15.89	16.98

Mode	Result	DG (dB)	Port 1 (dBm/MHz)	PD (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
2312.5MHz_RB 1,#RB M	Pass	7.50	8.37	8.37	15.87	16.98
2312.5MHz_RB 1,#RB H	Pass	7.50	7.75	7.75	15.25	16.98
2312.5MHz_RB 12,#RB L	Pass	7.50	2.84	2.84	10.34	16.98
2312.5MHz_RB 12,#RB M	Pass	7.50	3.05	3.05	10.55	16.98
2312.5MHz_RB 12,#RB H	Pass	7.50	2.92	2.92	10.42	16.98
Band 30_LTE_10MHz_QPSK_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	-1.73	-1.73	5.77	16.98
2310MHz_RB 1,#RB L	Pass	7.50	8.04	8.04	15.54	16.98
2310MHz_RB 1,#RB M	Pass	7.50	8.39	8.39	15.89	16.98
2310MHz_RB 1,#RB H	Pass	7.50	7.97	7.97	15.47	16.98
2310MHz_RB 25,#RB L	Pass	7.50	0.79	0.79	8.29	16.98
2310MHz_RB 25,#RB M	Pass	7.50	1.12	1.12	8.62	16.98
2310MHz_RB 25,#RB H	Pass	7.50	0.60	0.60	8.10	16.98
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	-2.74	-2.74	4.76	16.98
2310MHz_RB 1,#RB L	Pass	7.50	7.47	7.47	14.97	16.98
2310MHz_RB 1,#RB M	Pass	7.50	8.54	8.54	16.04	16.98
2310MHz_RB 1,#RB H	Pass	7.50	8.38	8.38	15.88	16.98
2310MHz_RB 25,#RB L	Pass	7.50	0.34	0.34	7.84	16.98
2310MHz_RB 25,#RB M	Pass	7.50	-0.15	-0.15	7.35	16.98
2310MHz_RB 25,#RB H	Pass	7.50	-0.26	-0.26	7.24	16.98
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	7.50	-2.87	-2.87	4.63	16.98
2310MHz_RB 1,#RB L	Pass	7.50	7.53	7.53	15.03	16.98
2310MHz_RB 1,#RB M	Pass	7.50	8.22	8.22	15.72	16.98
2310MHz_RB 1,#RB H	Pass	7.50	7.38	7.38	14.88	16.98
2310MHz_RB 25,#RB L	Pass	7.50	-0.53	-0.53	6.97	16.98
2310MHz_RB 25,#RB M	Pass	7.50	-0.11	-0.11	7.39	16.98
2310MHz_RB 25,#RB H	Pass	7.50	-0.34	-0.34	7.16	16.98


DG = Directional Gain;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

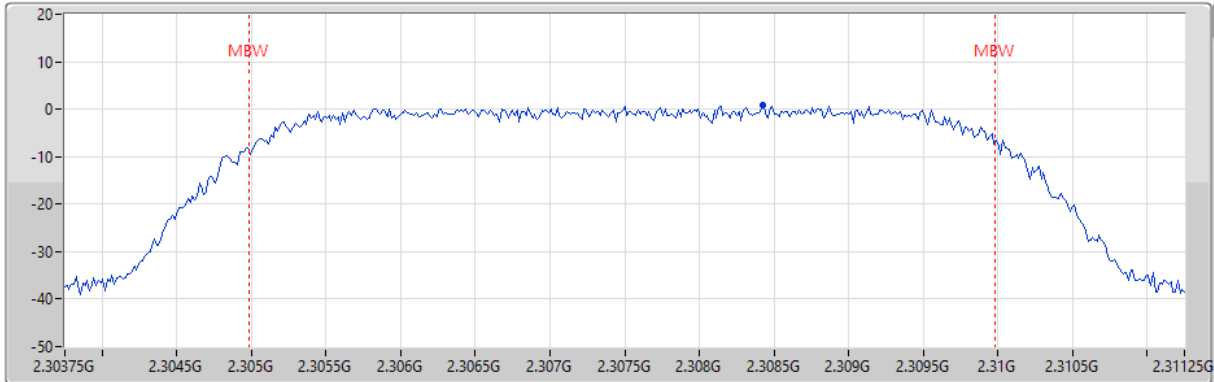
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 25,#RB 0

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.78	6.89	7.5M	1M	3M	1m	RMS	1

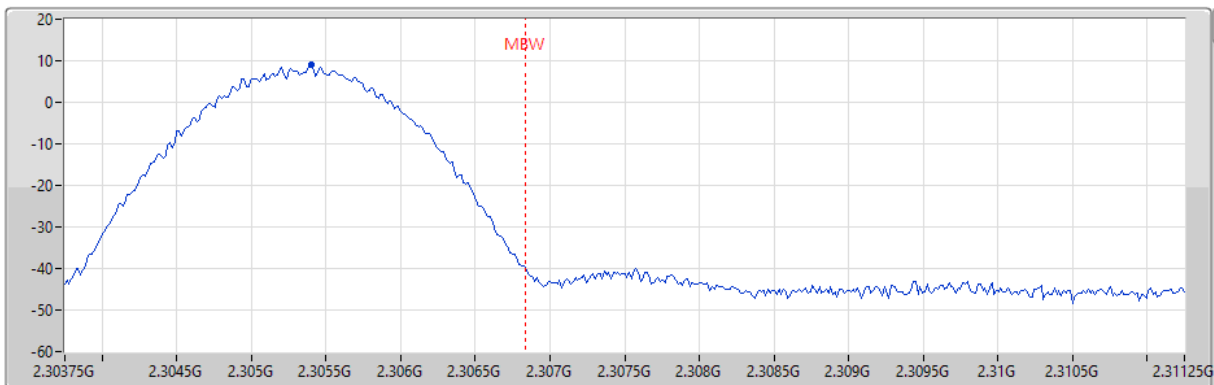
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 1,#RB L

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.95	7.83	7.5M	1M	3M	1m	RMS	1

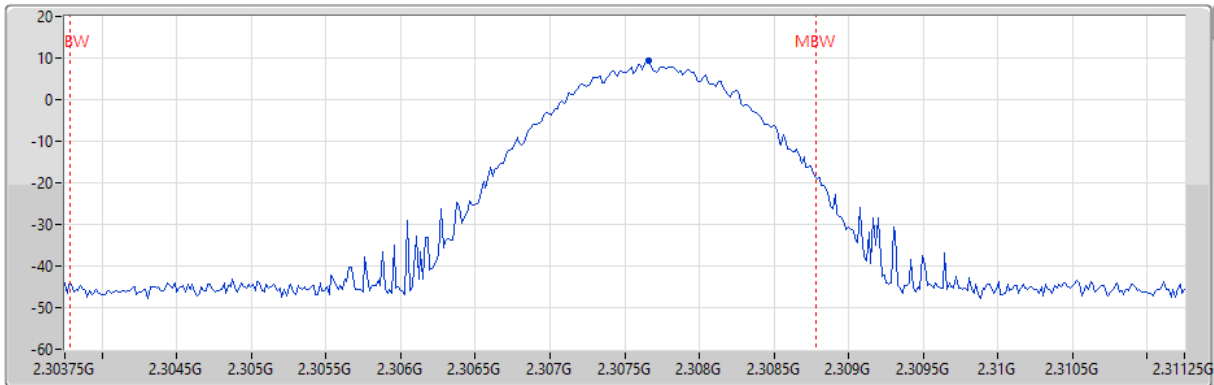
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 1,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
9.46	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.94	7.5M	1M	3M	1m		

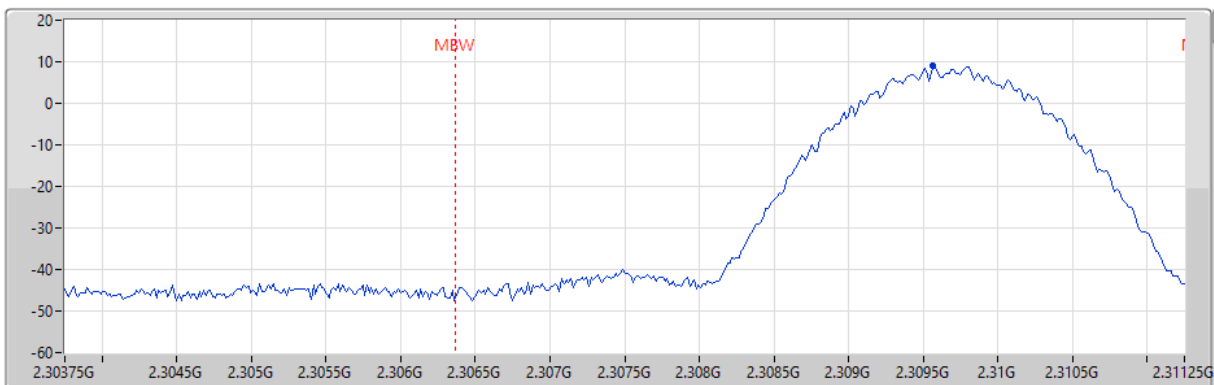
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 1,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
9.14	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.84	7.5M	1M	3M	1m		

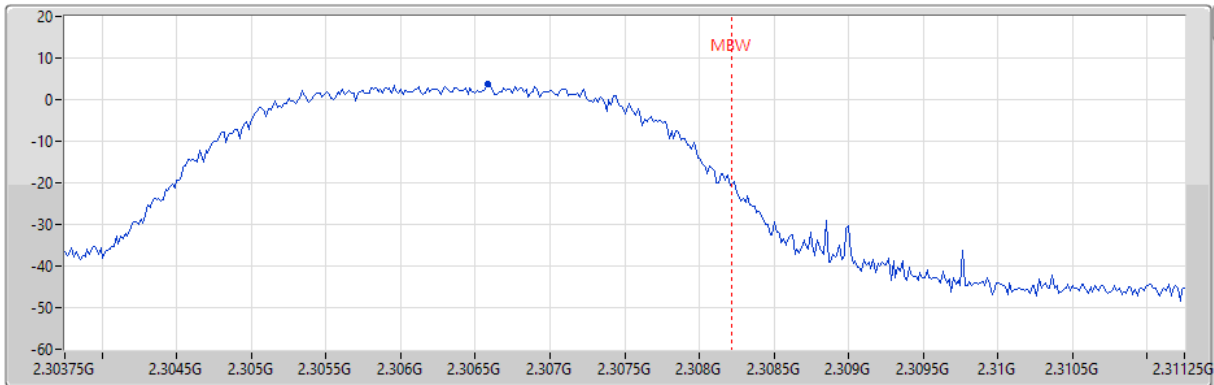
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 12,#RB L

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.60	(dBm/5MHz) 6.83	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

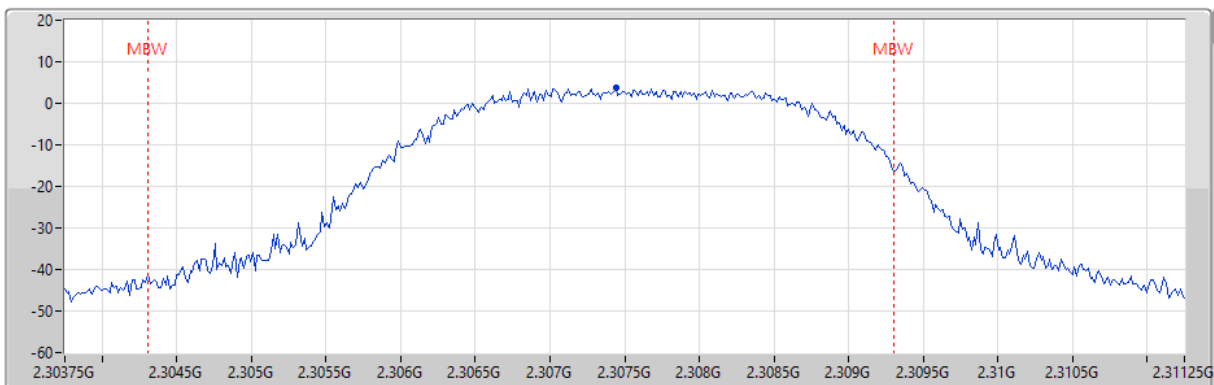
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 12,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.87	(dBm/5MHz) 6.93	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

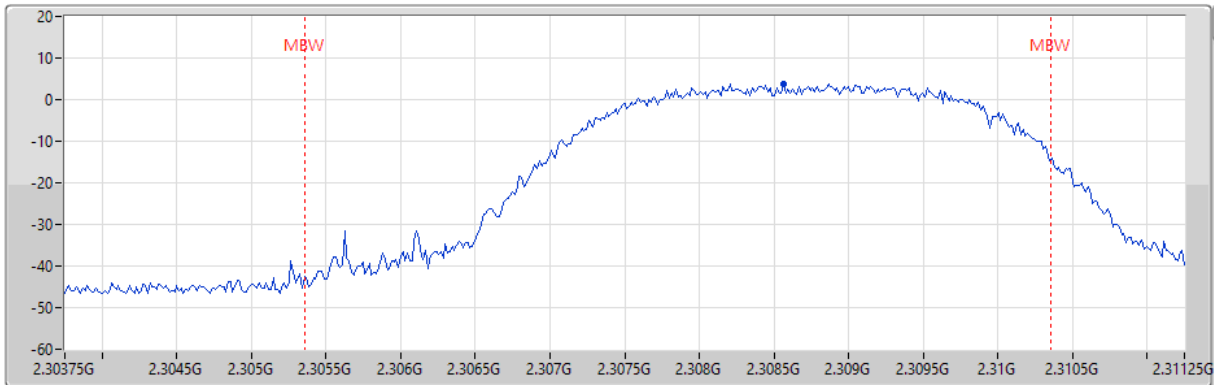
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_QPSK_RB 12,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.68	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.94	7.5M	1M	3M	1m		

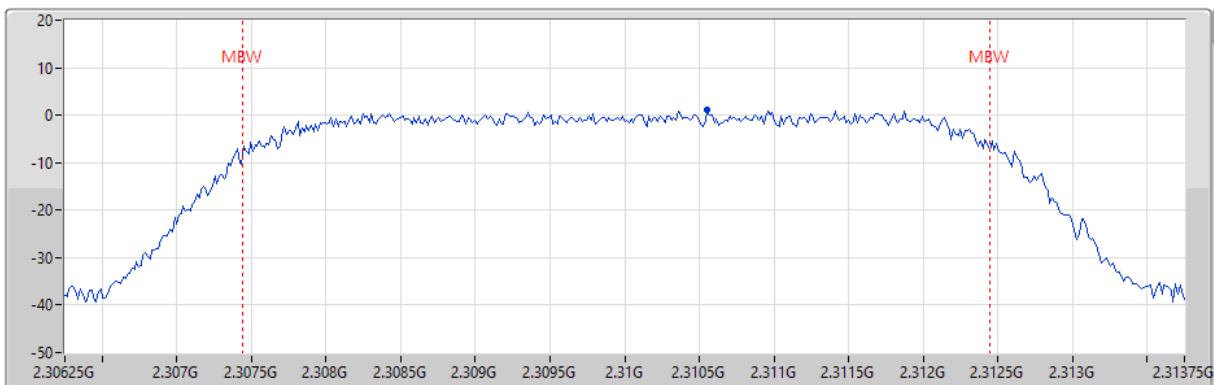
Band 30_LTE_5MHz_1TX

PSD

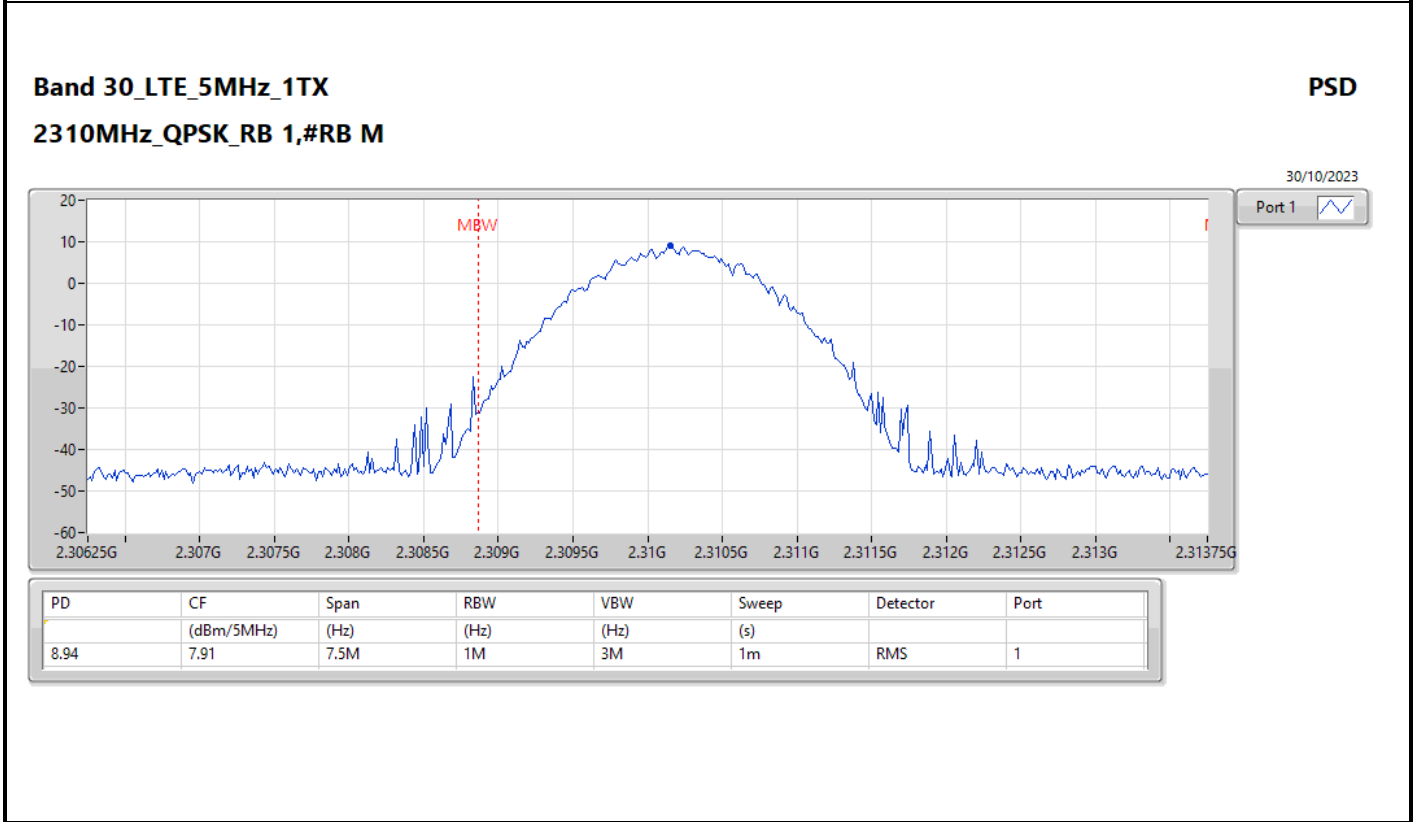
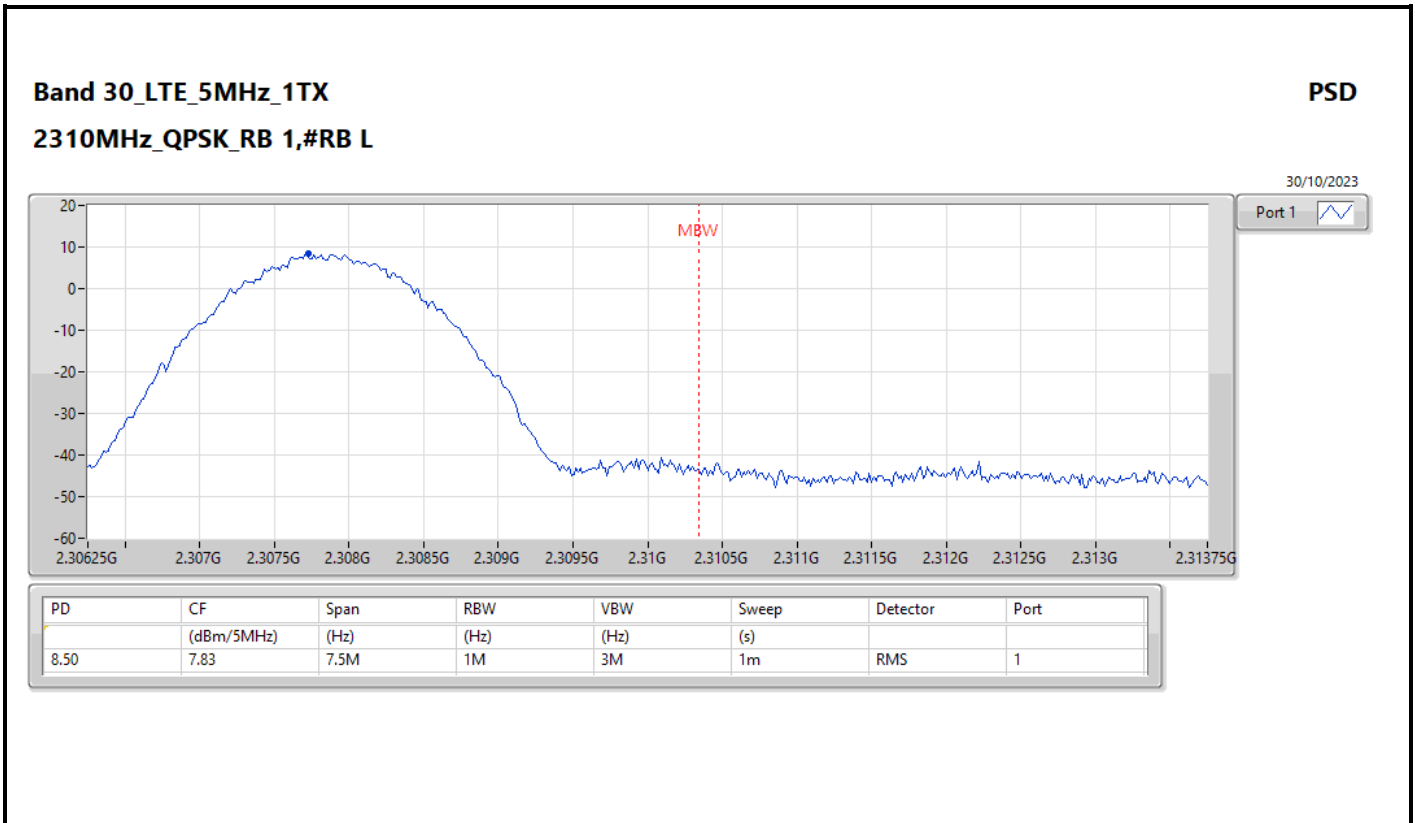
2310MHz_QPSK_RB 25,#RB 0

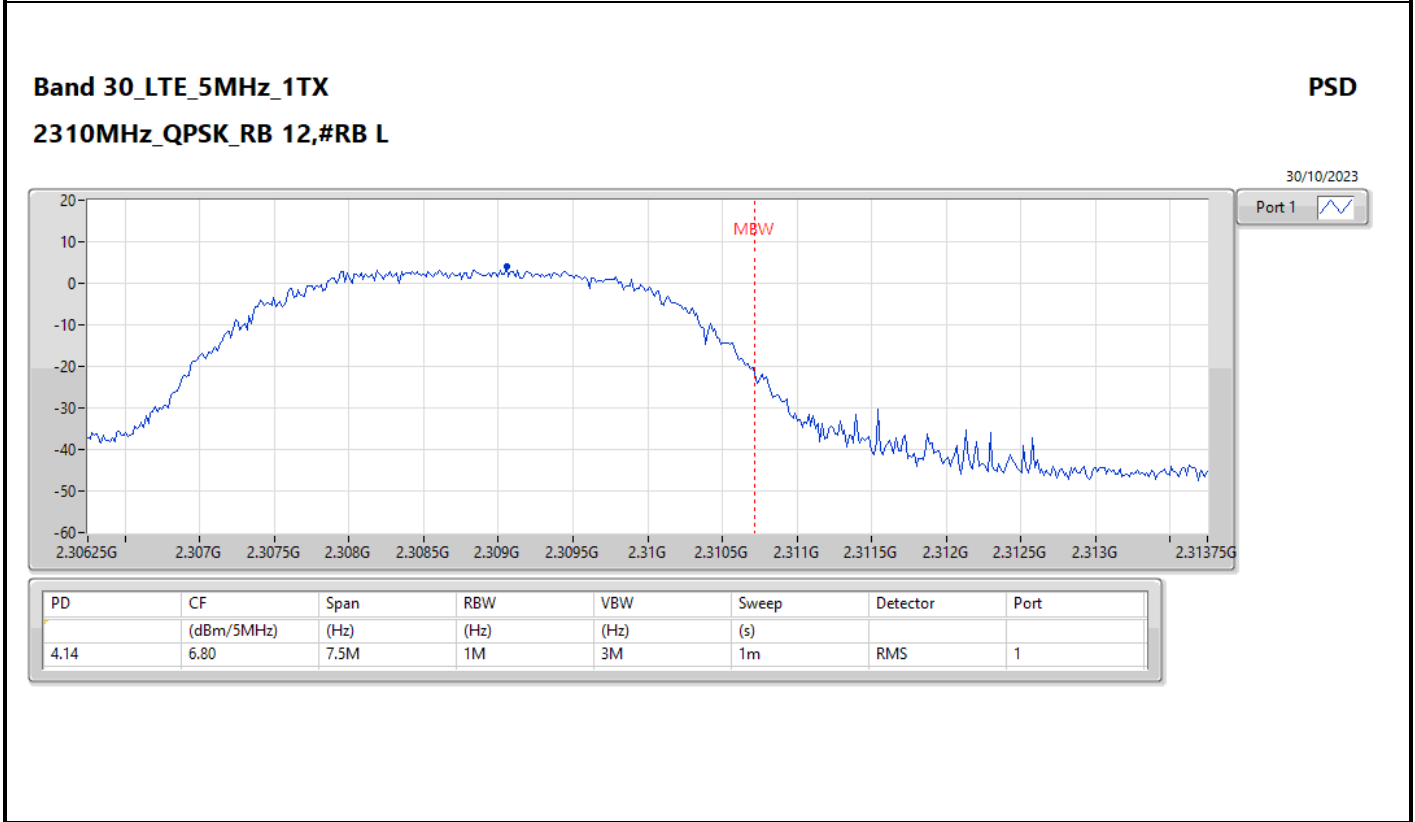
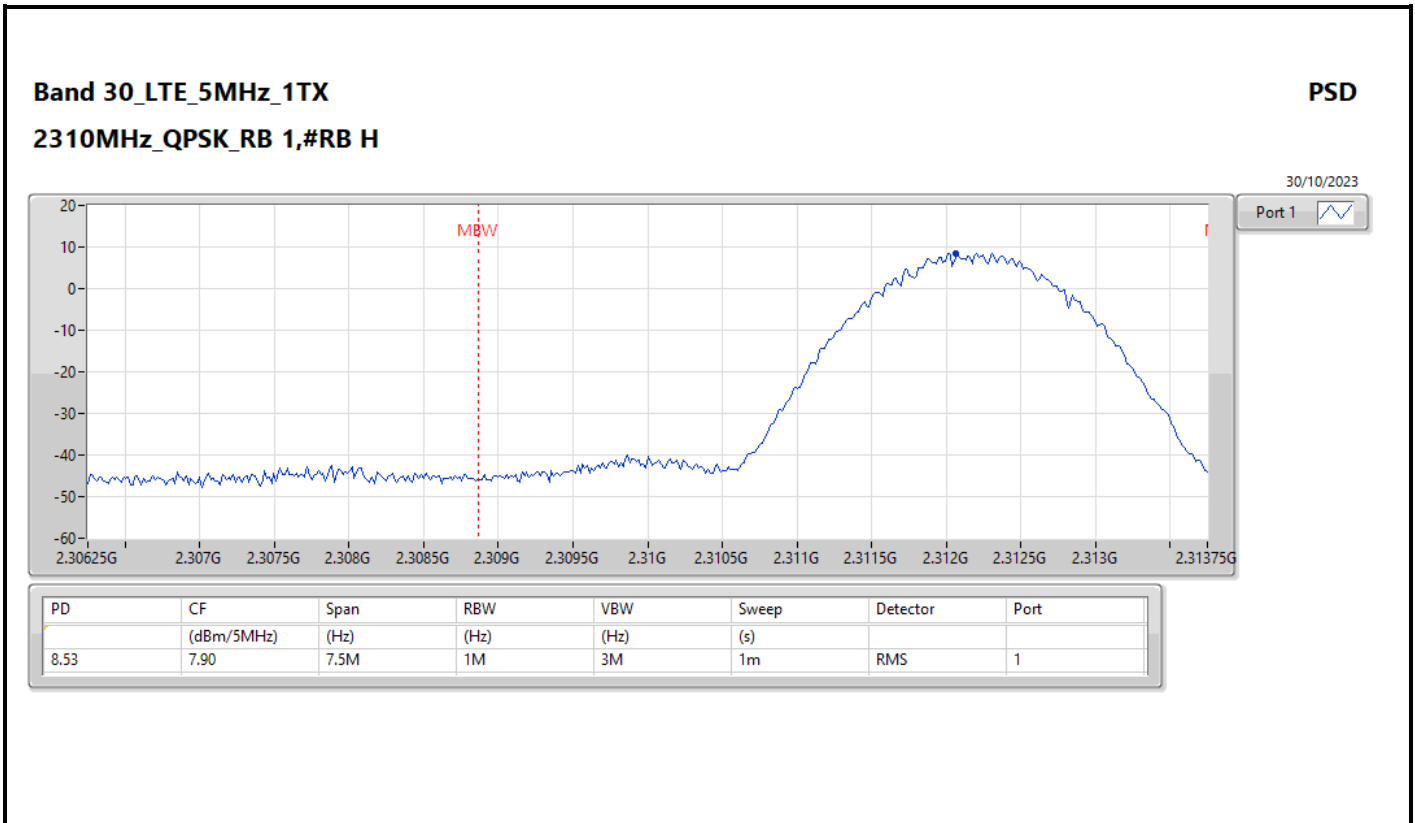
30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
1.15	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.95	7.5M	1M	3M	1m		






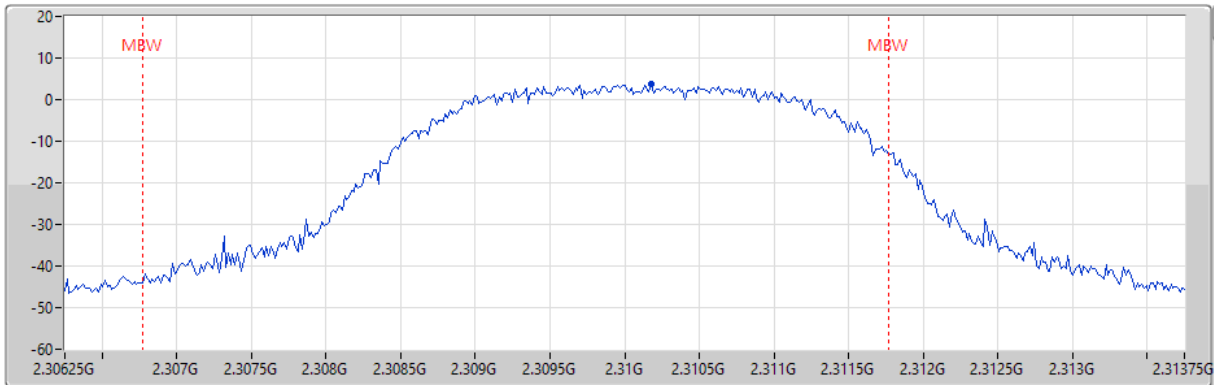
Band 30_LTE_5MHz_1TX

PSD

2310MHz_QPSK_RB 12,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.67	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.91	7.5M	1M	3M	1m		

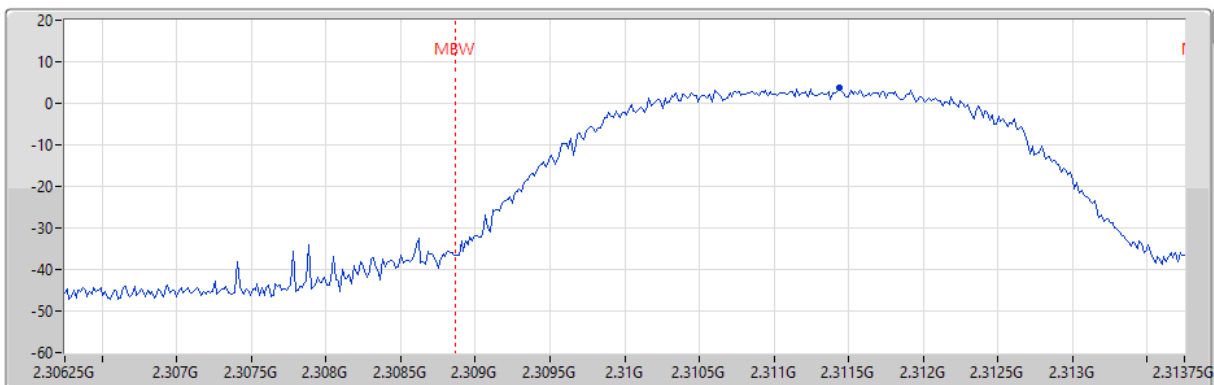
Band 30_LTE_5MHz_1TX

PSD

2310MHz_QPSK_RB 12,#RB H

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.76	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.89	7.5M	1M	3M	1m		

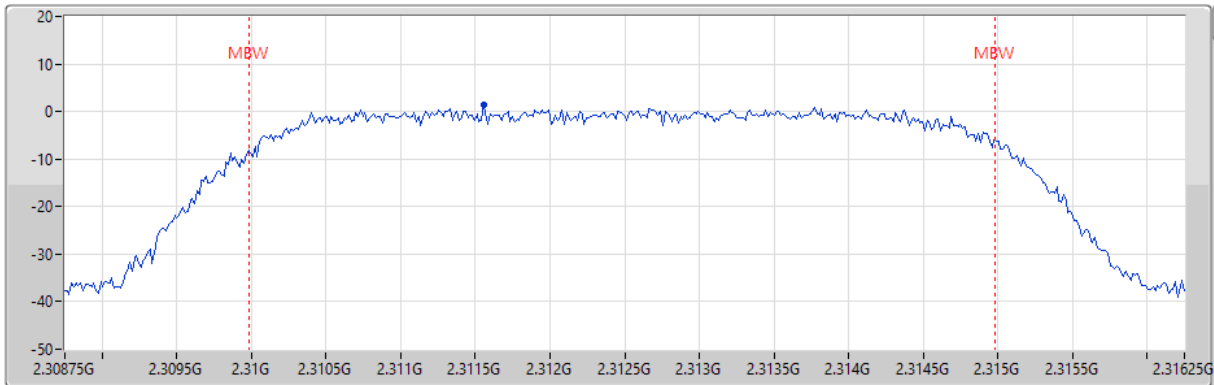
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 25,#RB 0

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
1.36	(dBm/5MHz) 6.87	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

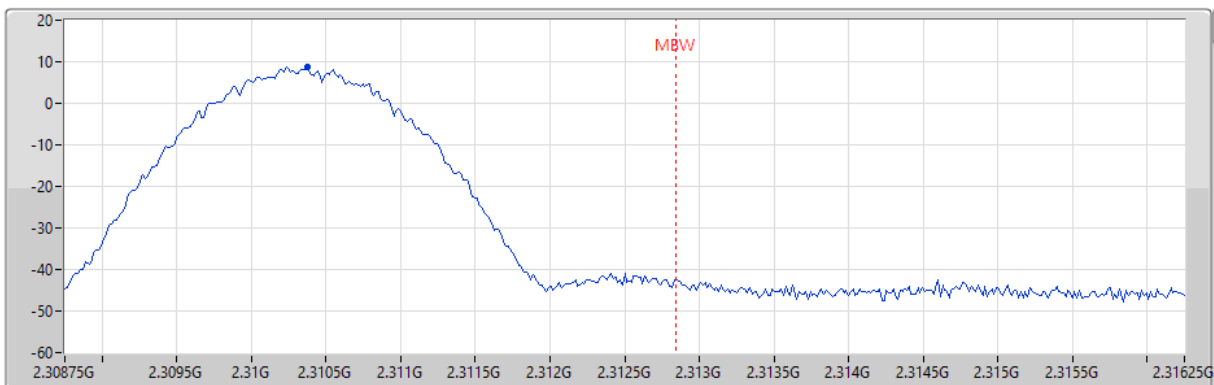
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 1,#RB L

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.79	(dBm/5MHz) 7.84	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

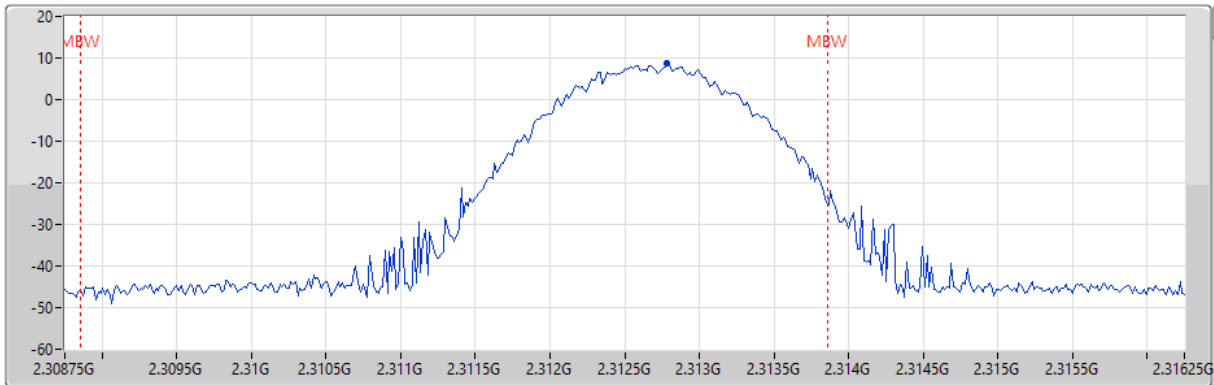
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 1,#RB M

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.80	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.96	7.5M	1M	3M	1m		

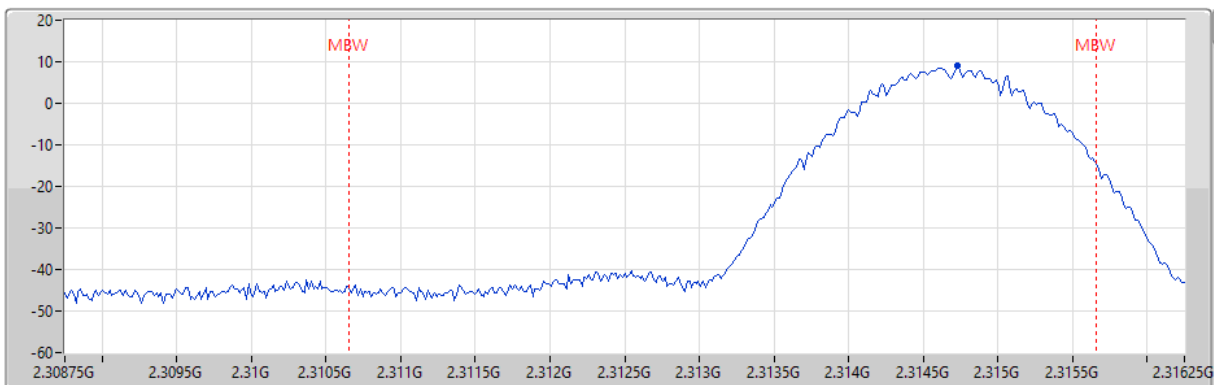
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 1,#RB H

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
9.19	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.89	7.5M	1M	3M	1m		

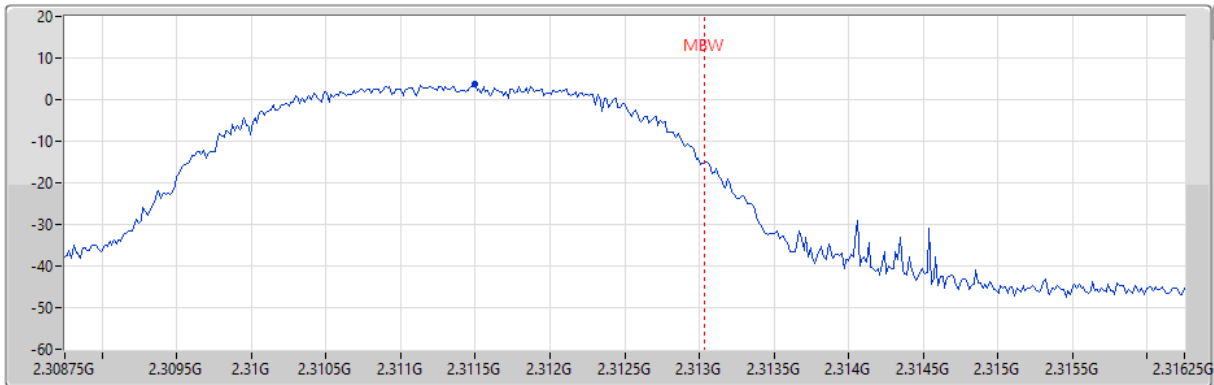
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 12,#RB L

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.68	(dBm/5MHz) 6.85	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

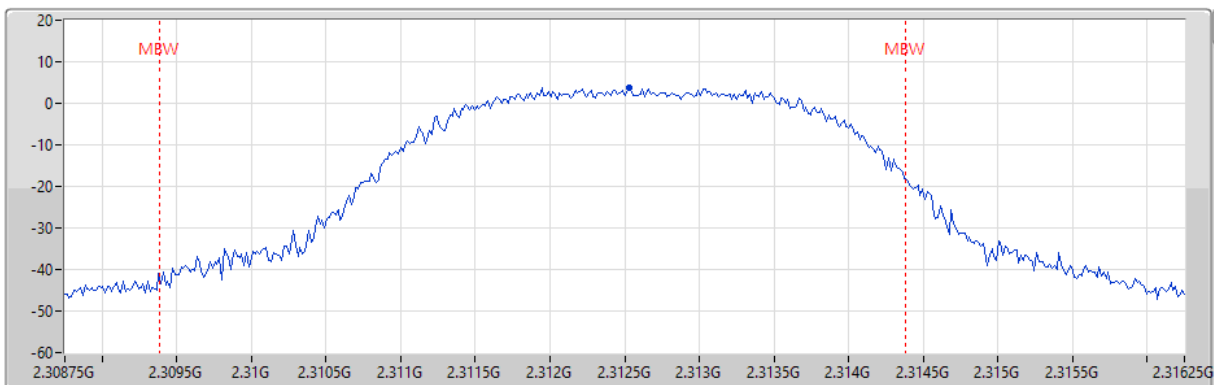
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 12,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.77	(dBm/5MHz) 6.96	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

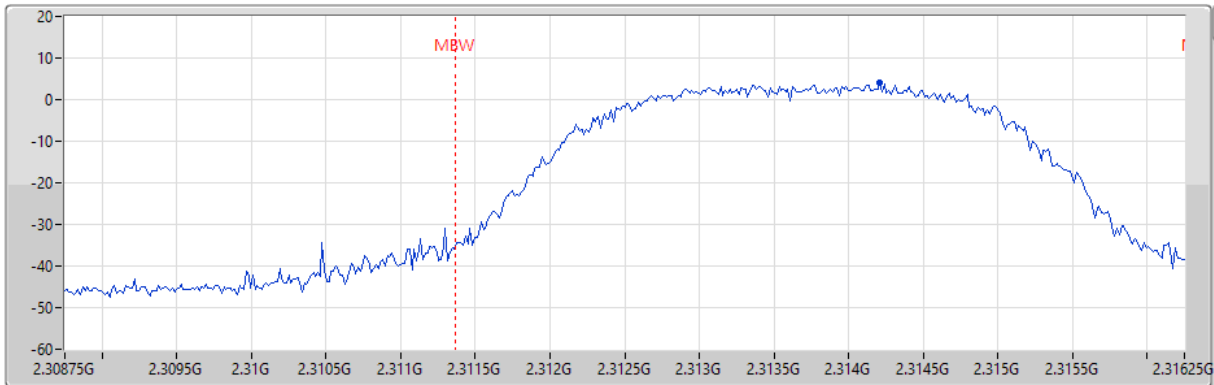
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_QPSK_RB 12,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.97	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.95	7.5M	1M	3M	1m		

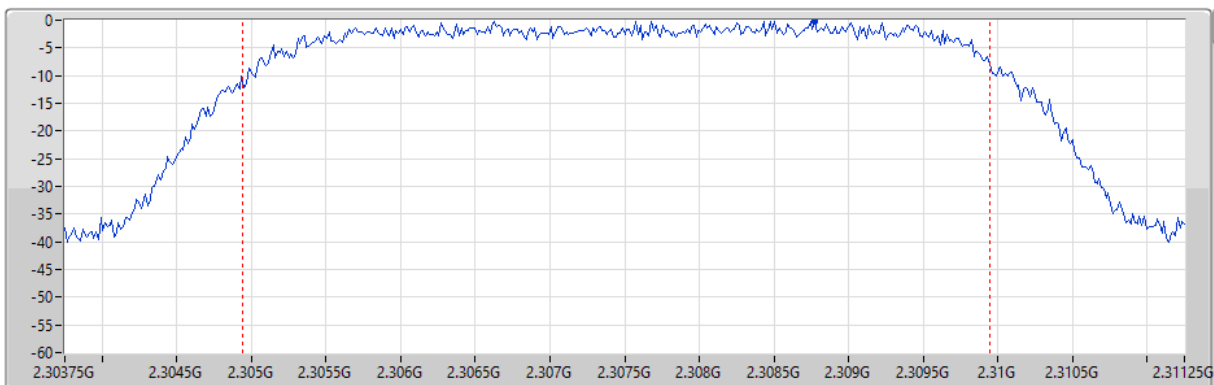
Band 30_LTE_5MHz_1TX

PSD

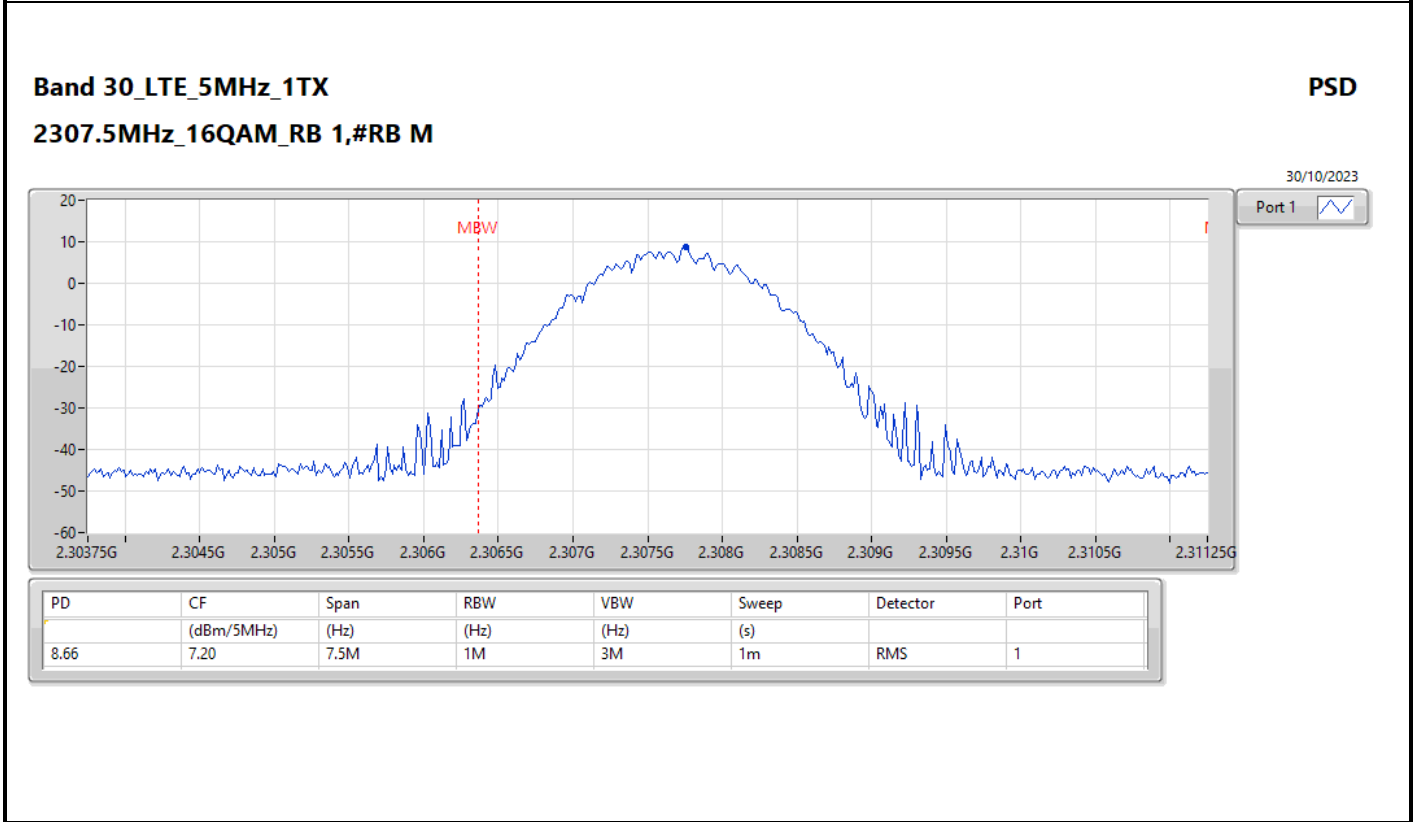
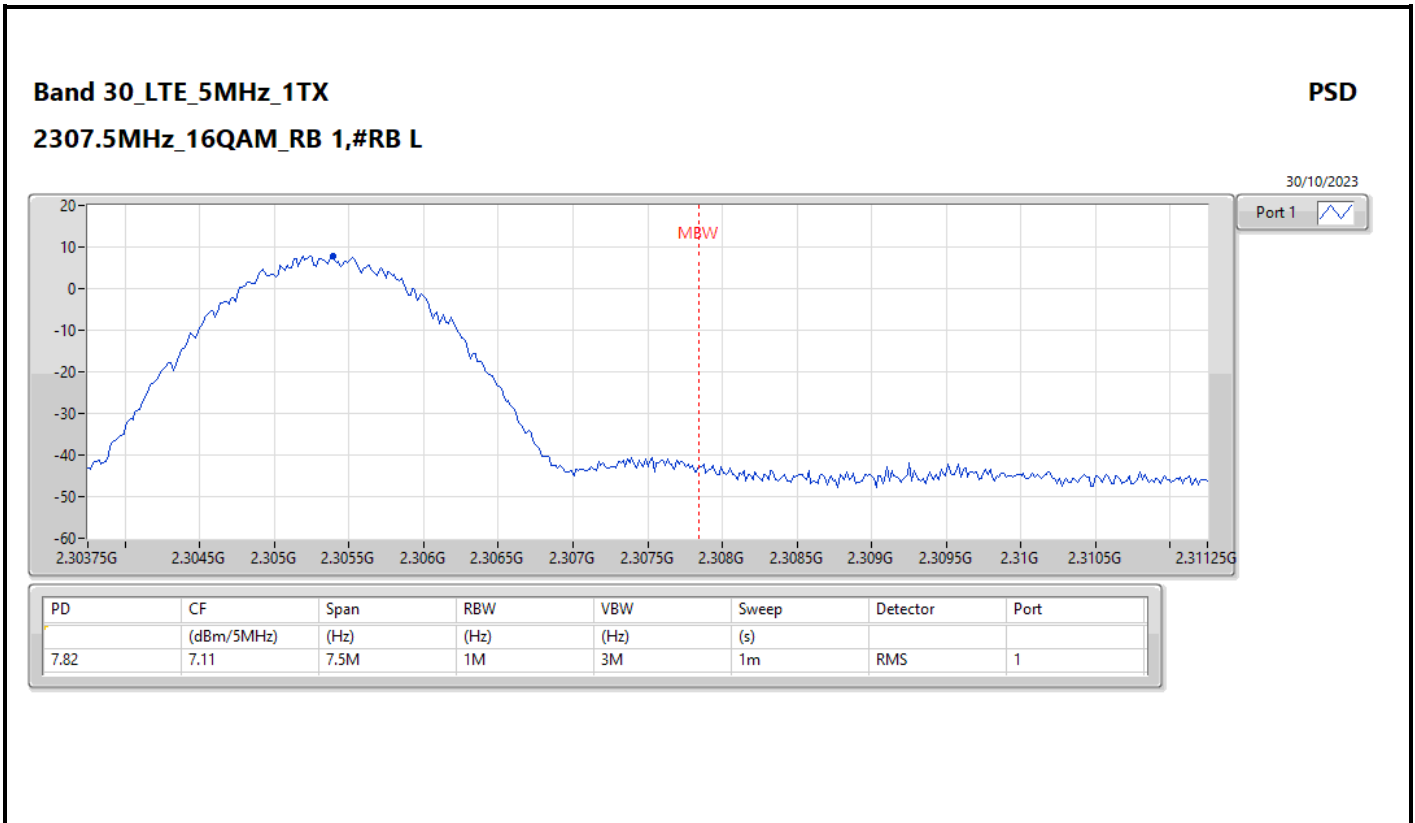
2307.5MHz_16QAM_RB 25,#RB 0

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-0.16	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.81	7.5M	1M	3M	1m		




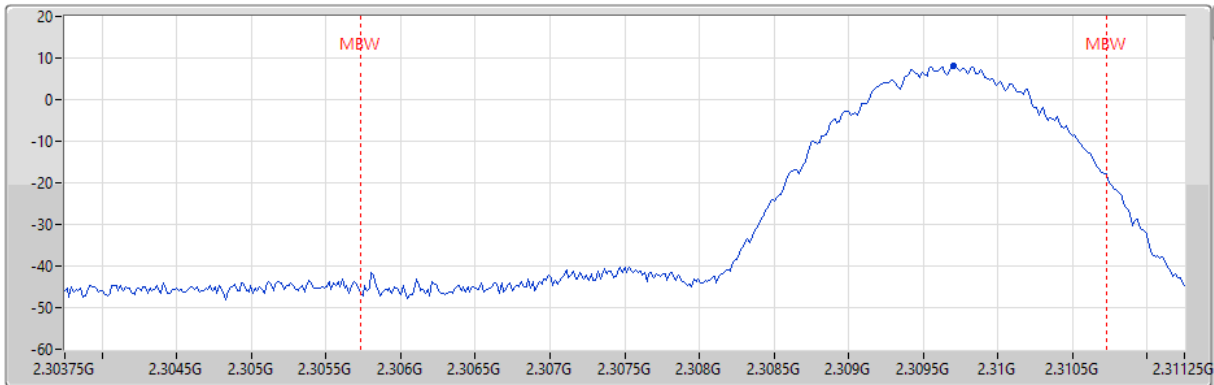
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_16QAM_RB 1,#RB H

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.11	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.29	7.5M	1M	3M	1m		

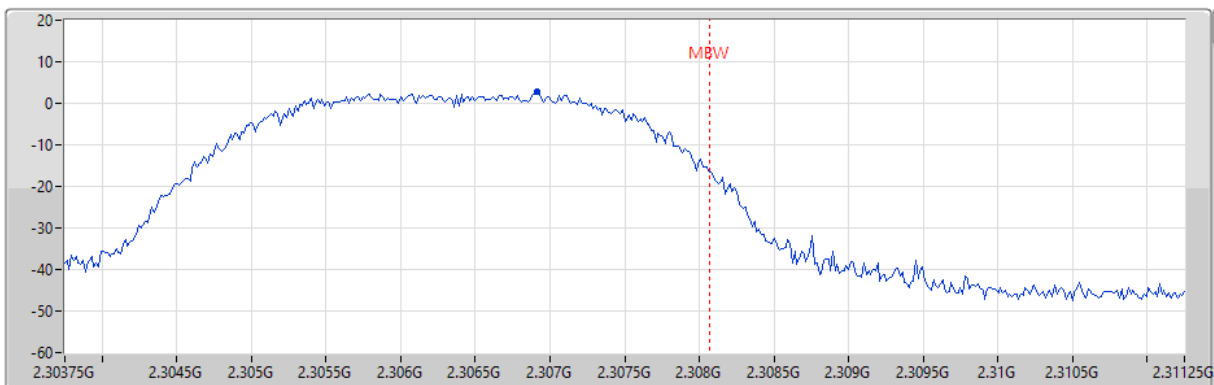
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_16QAM_RB 12,#RB L

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.70	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.85	7.5M	1M	3M	1m		

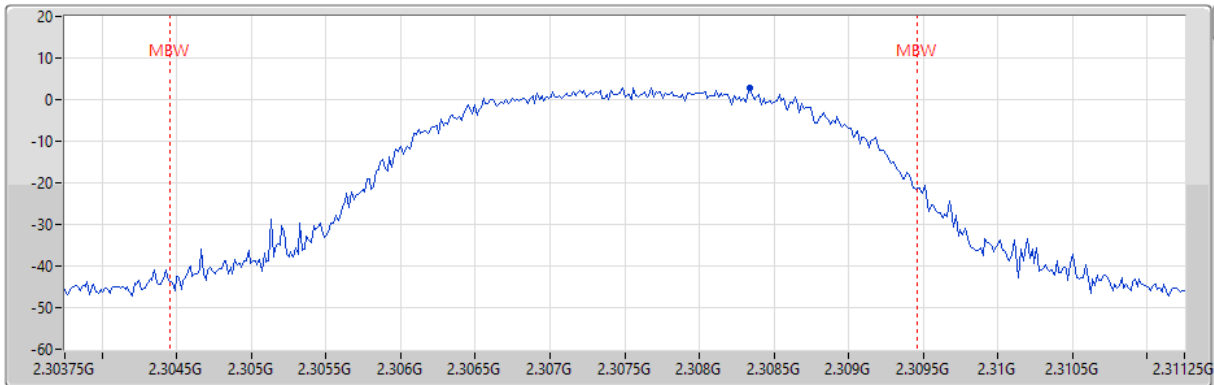
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_16QAM_RB 12,#RB M

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.92	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

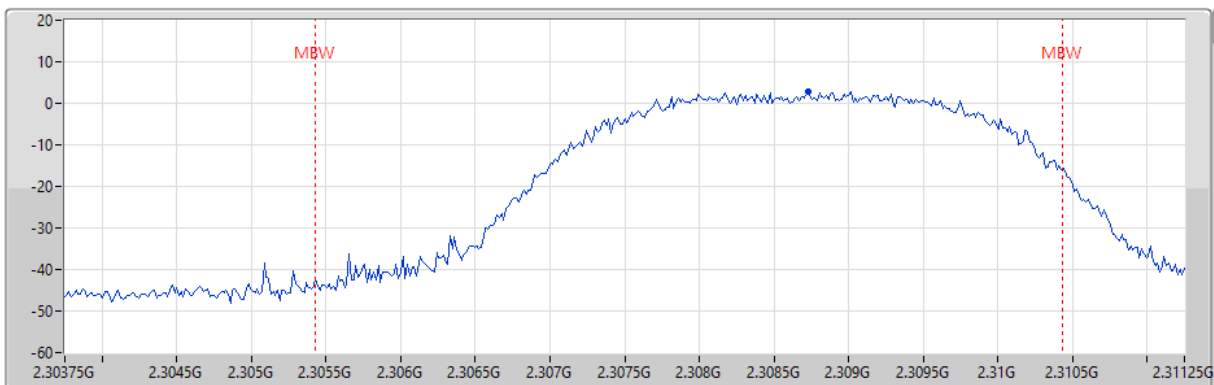
Band 30_LTE_5MHz_1TX

PSD

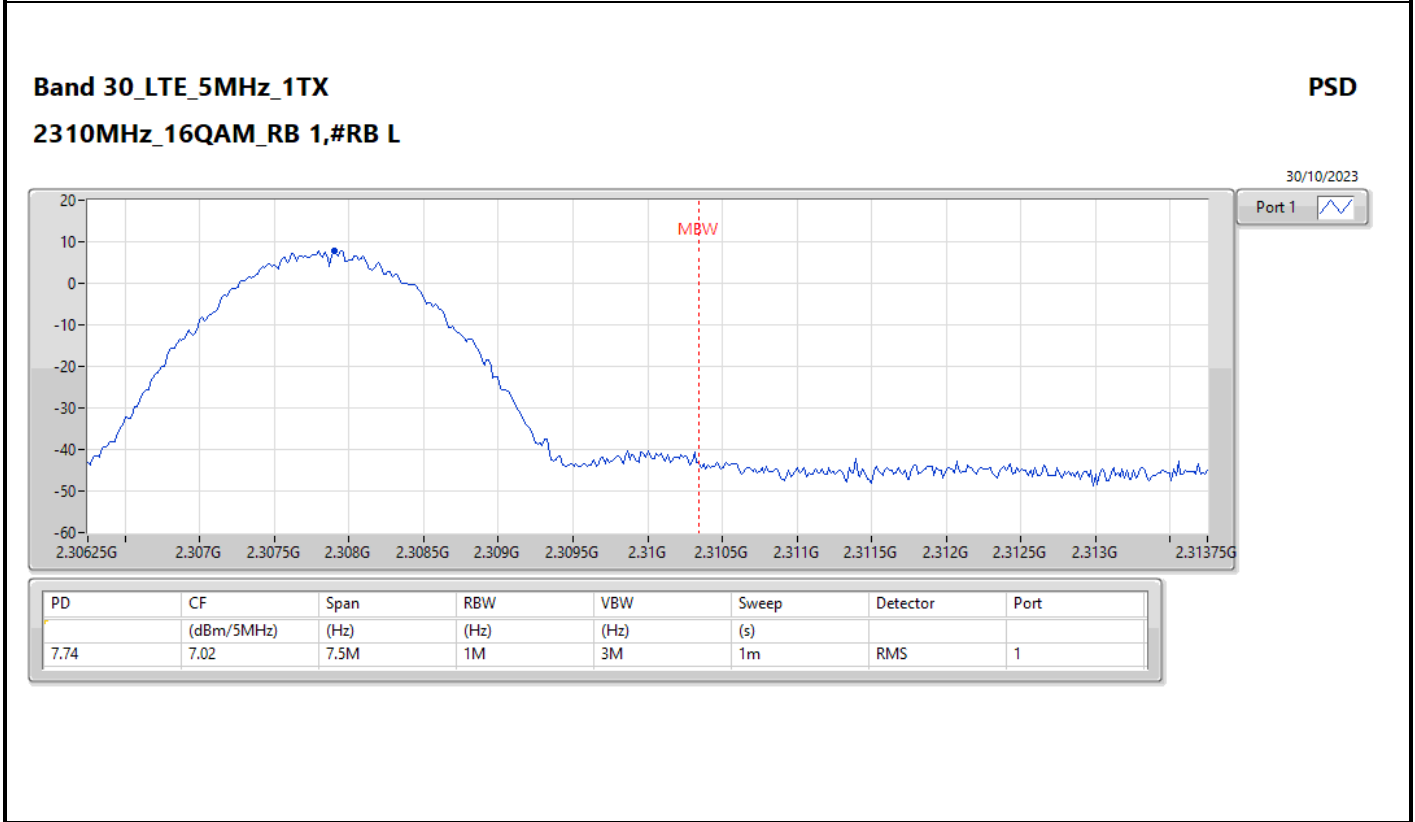
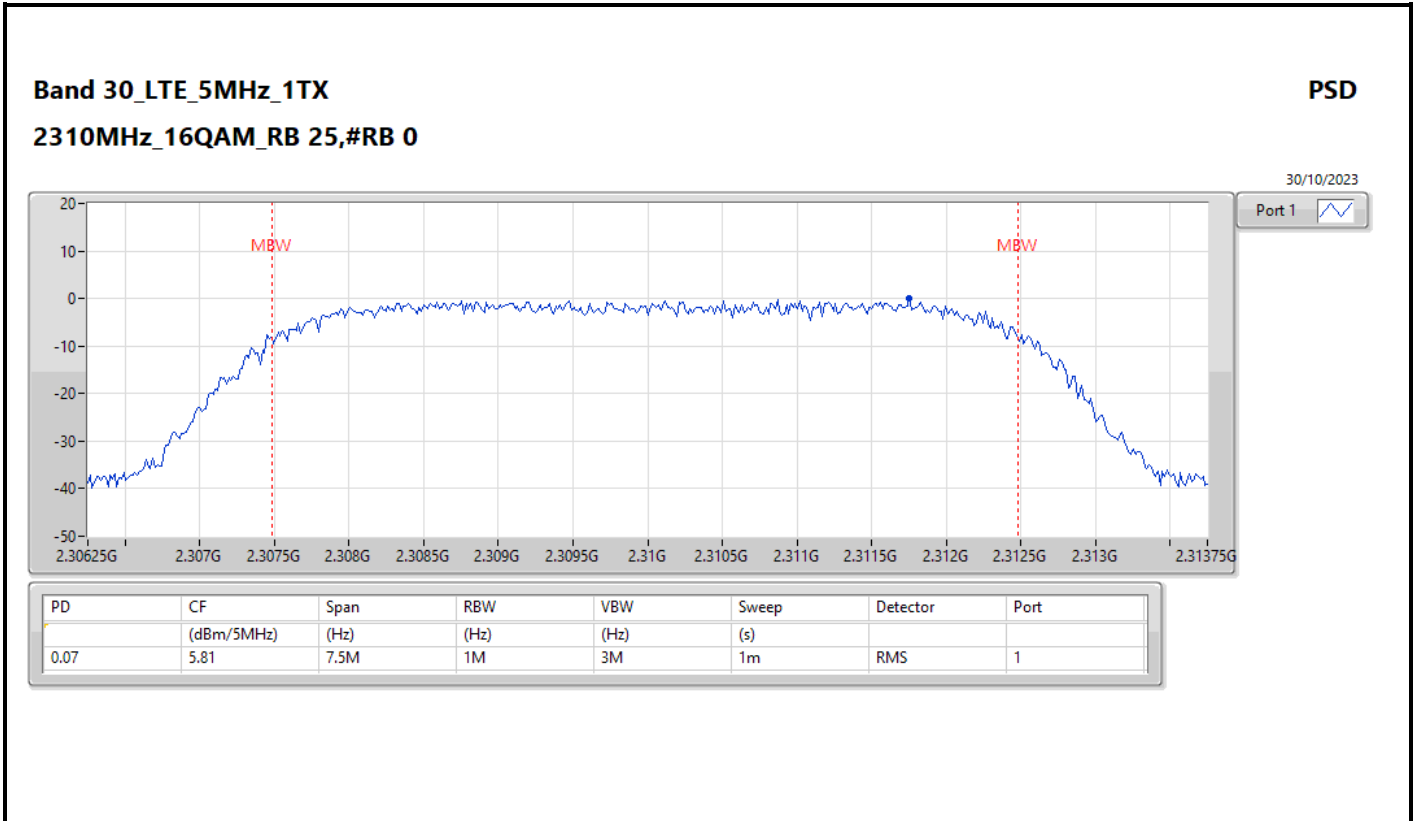
2307.5MHz_16QAM_RB 12,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.90	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1




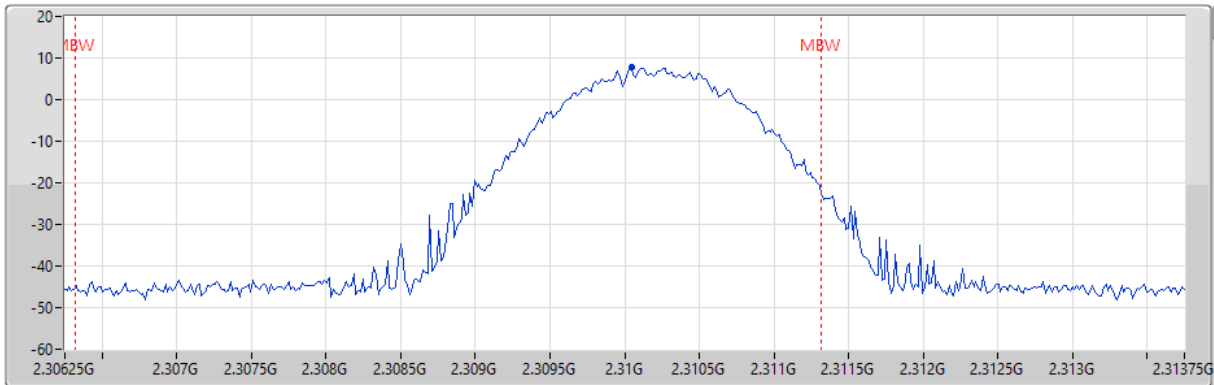
Band 30_LTE_5MHz_1TX

PSD

2310MHz_16QAM_RB 1,#RB M

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)		
7.72	6.98	7.5M	1M	3M	1m	RMS	1

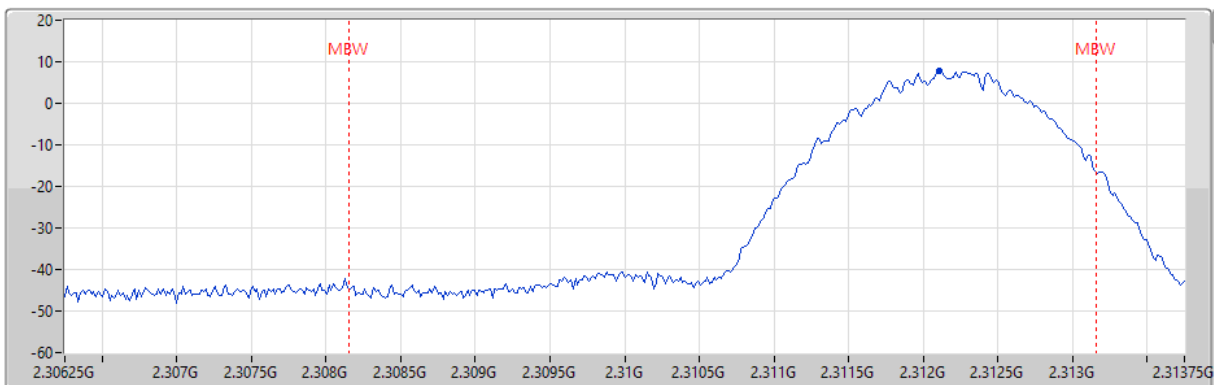
Band 30_LTE_5MHz_1TX

PSD

2310MHz_16QAM_RB 1,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)		
7.71	6.95	7.5M	1M	3M	1m	RMS	1

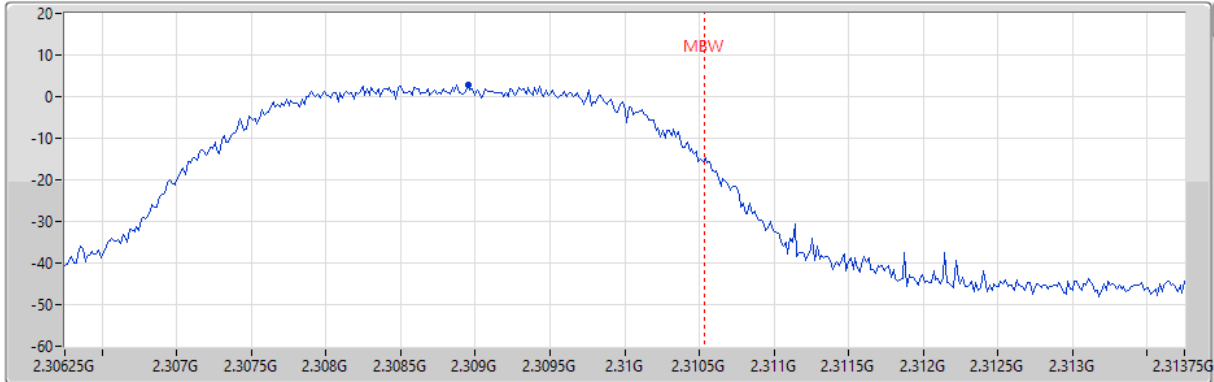
Band 30_LTE_5MHz_1TX

PSD

2310MHz_16QAM_RB 12,#RB L

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.93	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.86	7.5M	1M	3M	1m		

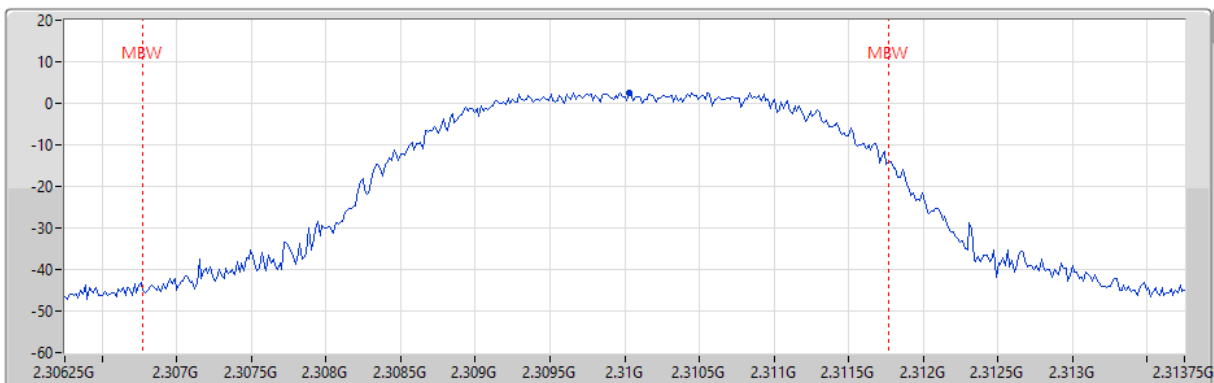
Band 30_LTE_5MHz_1TX

PSD

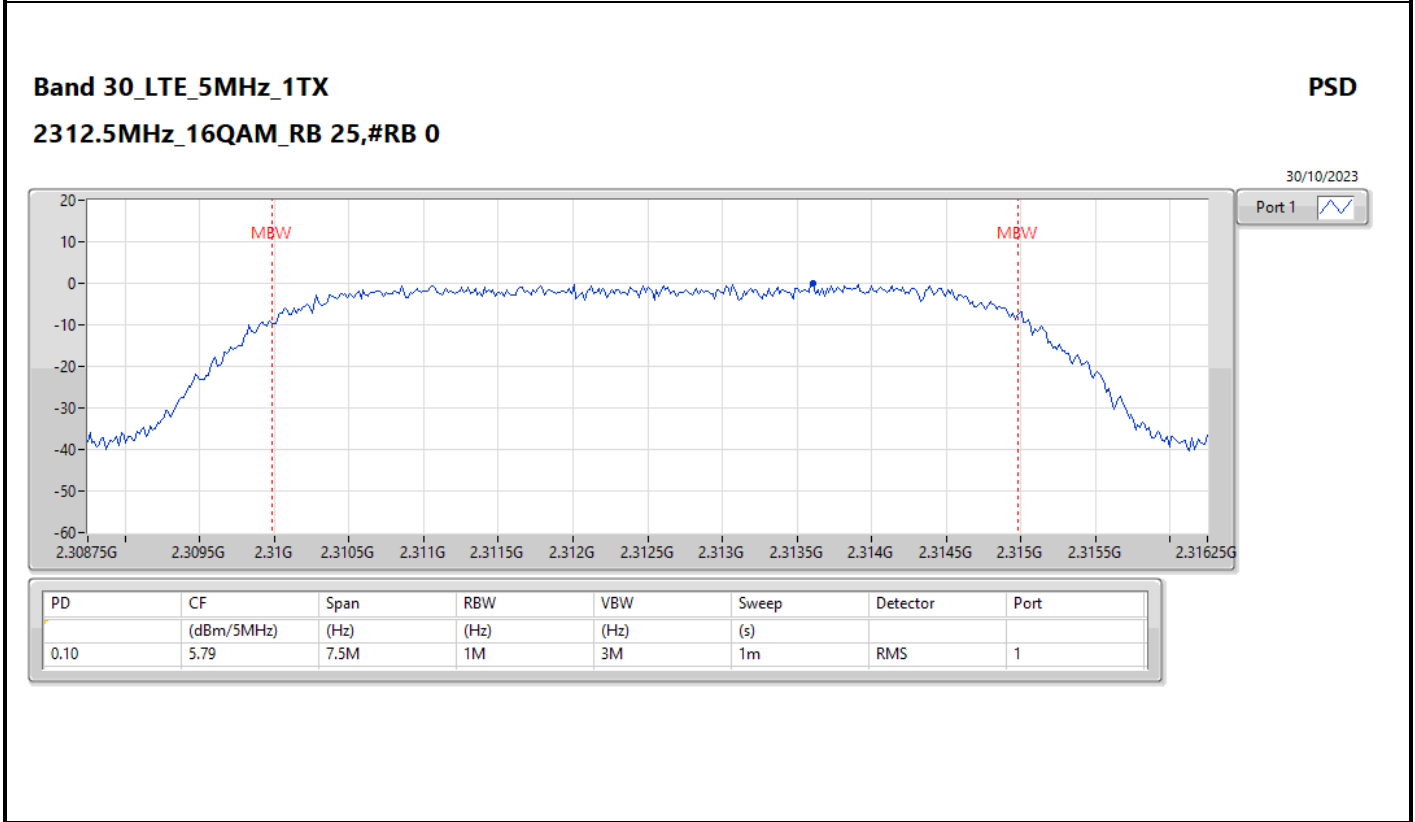
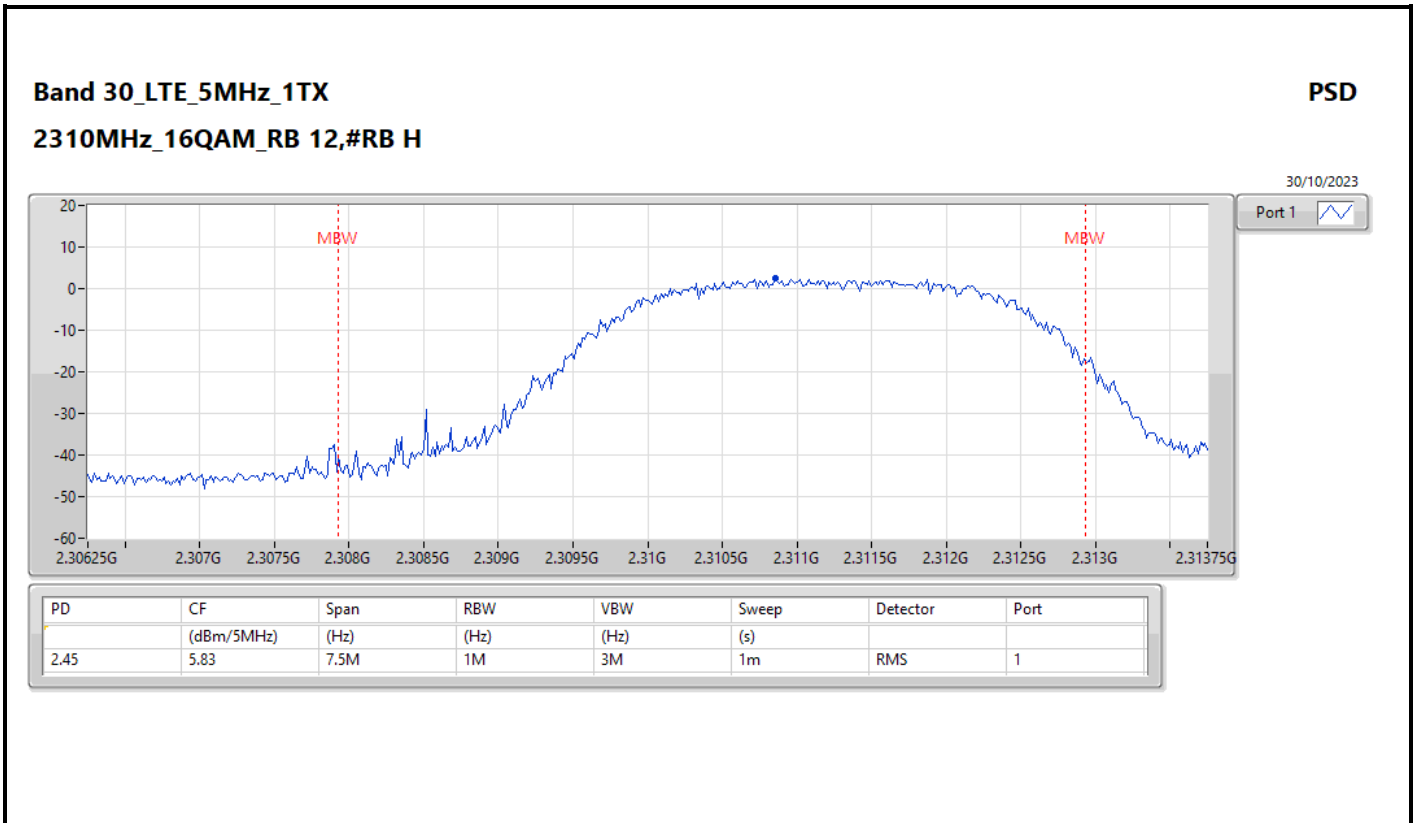
2310MHz_16QAM_RB 12,#RB M

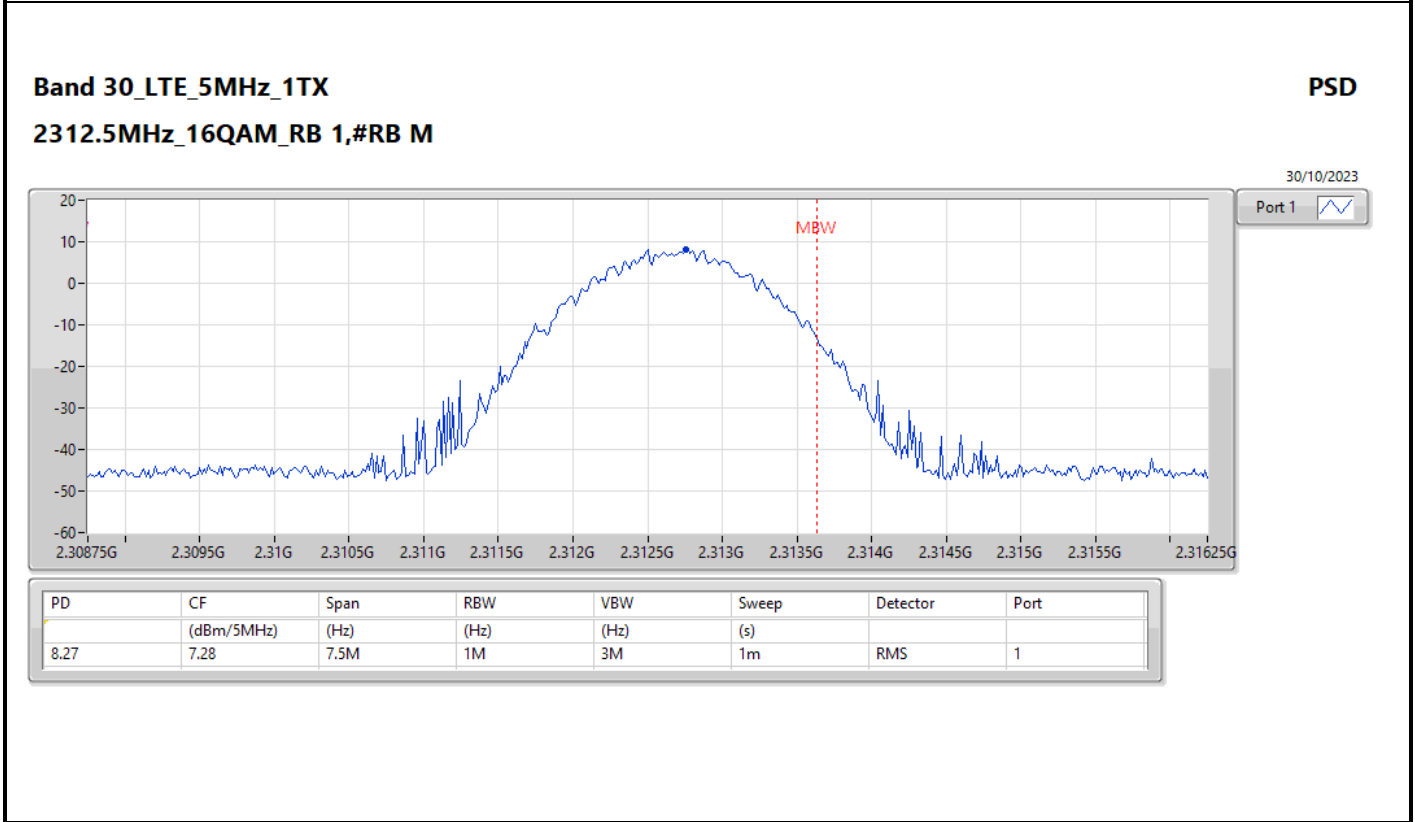
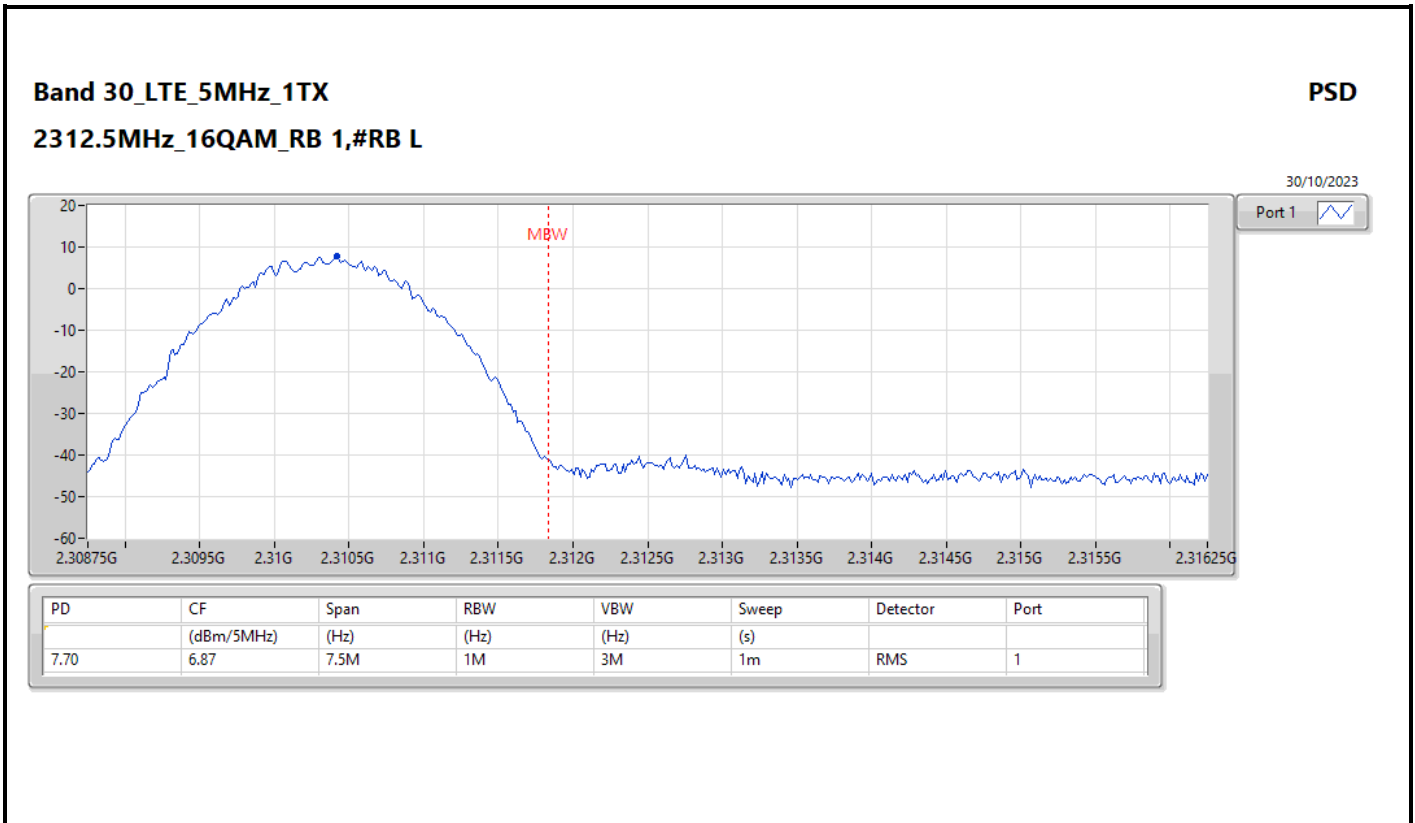
30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.54	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.06	7.5M	1M	3M	1m		





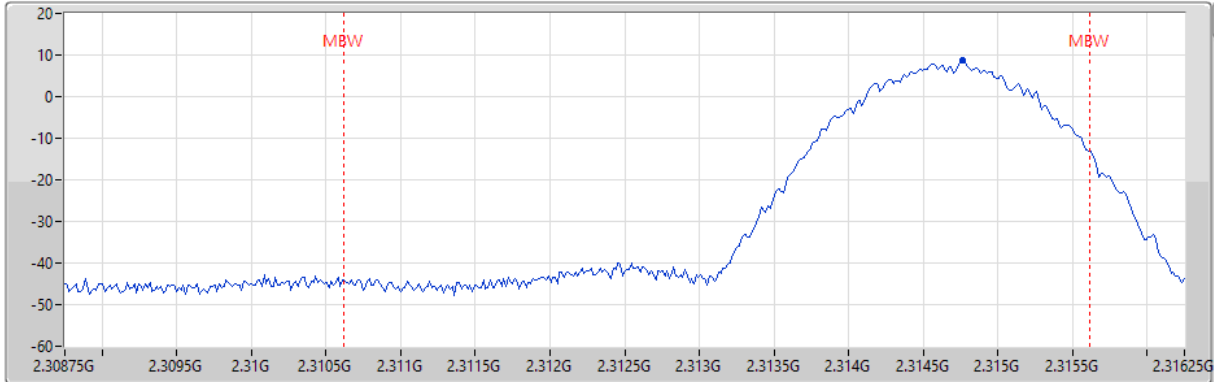
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_16QAM_RB 1,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.65	(dBm/5MHz) 7.31	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

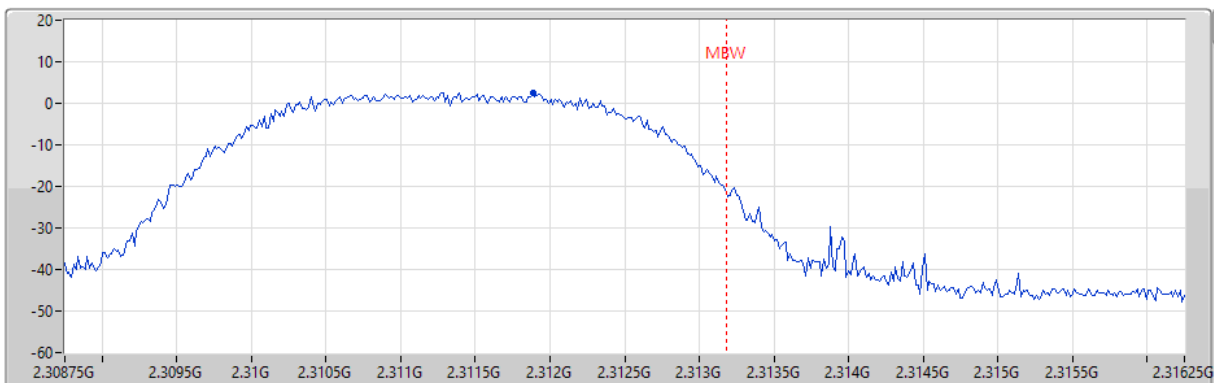
Band 30_LTE_5MHz_1TX

PSD

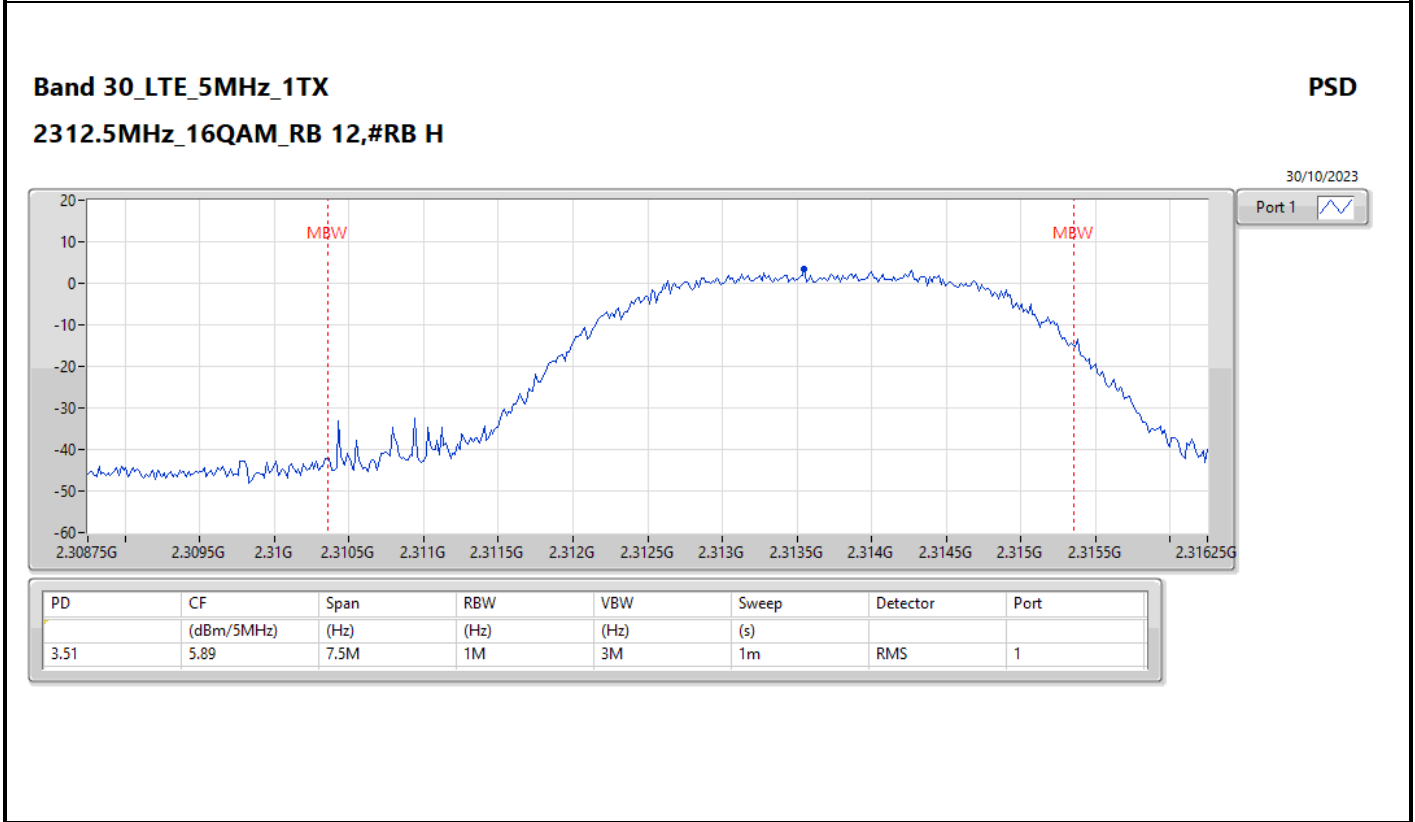
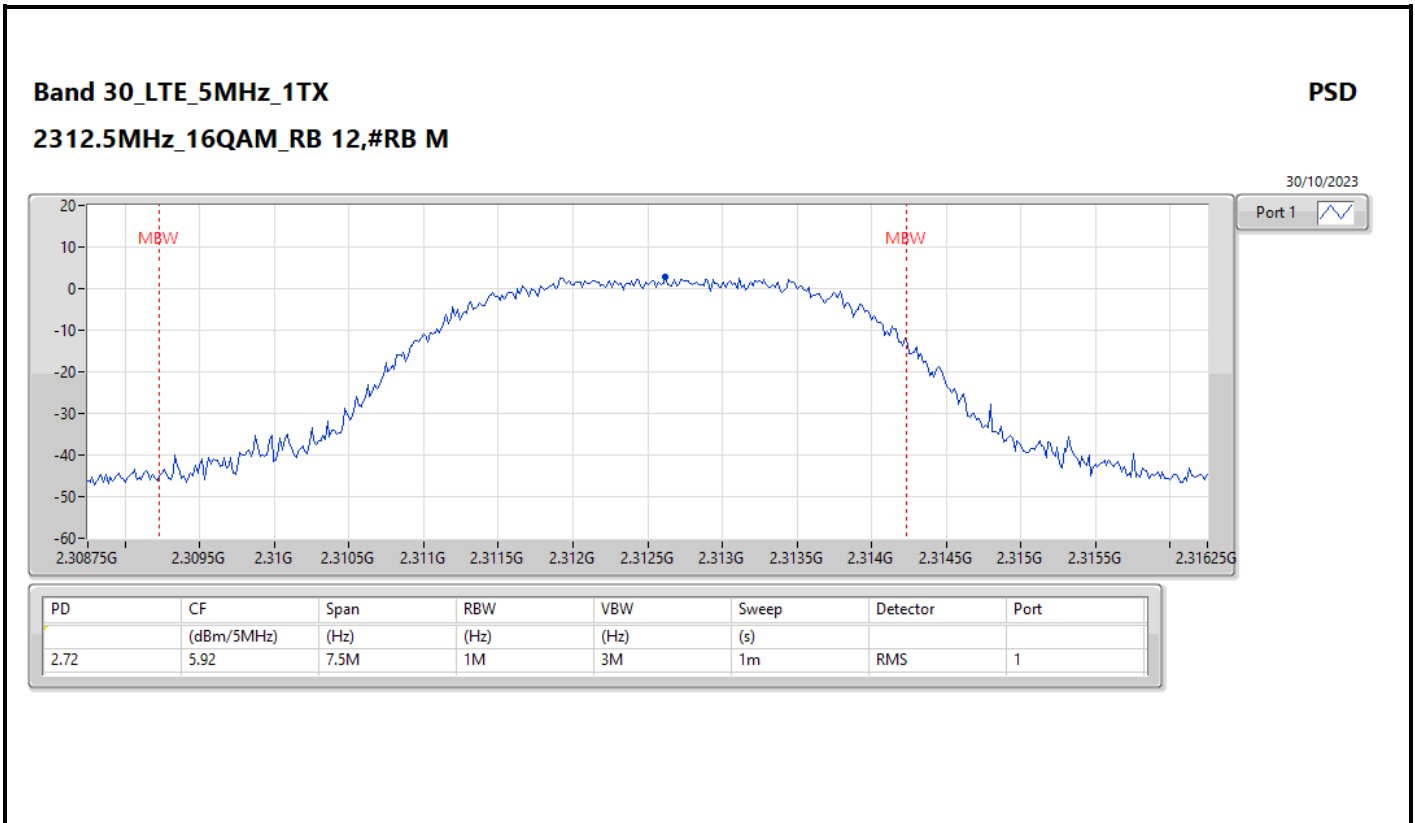
2312.5MHz_16QAM_RB 12,#RB L

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.44	(dBm/5MHz) 5.87	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1



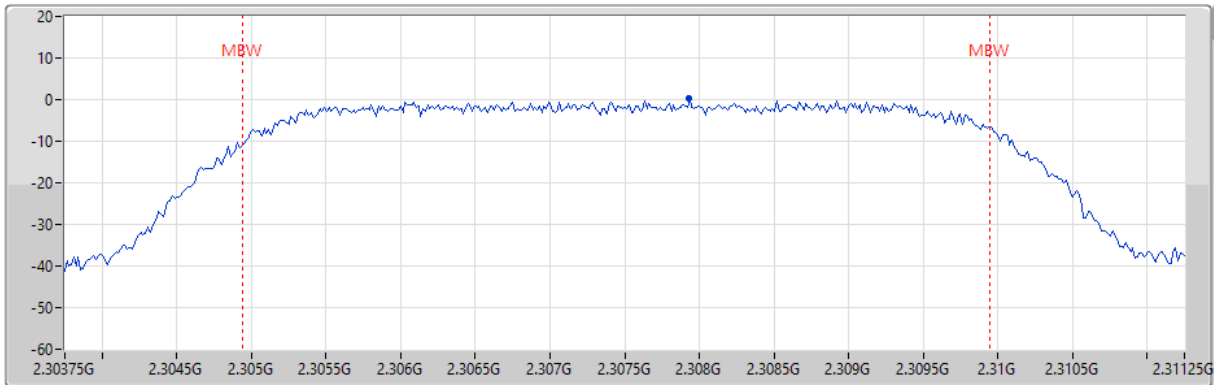
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 25,#RB 0

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.37	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.75	7.5M	1M	3M	1m		

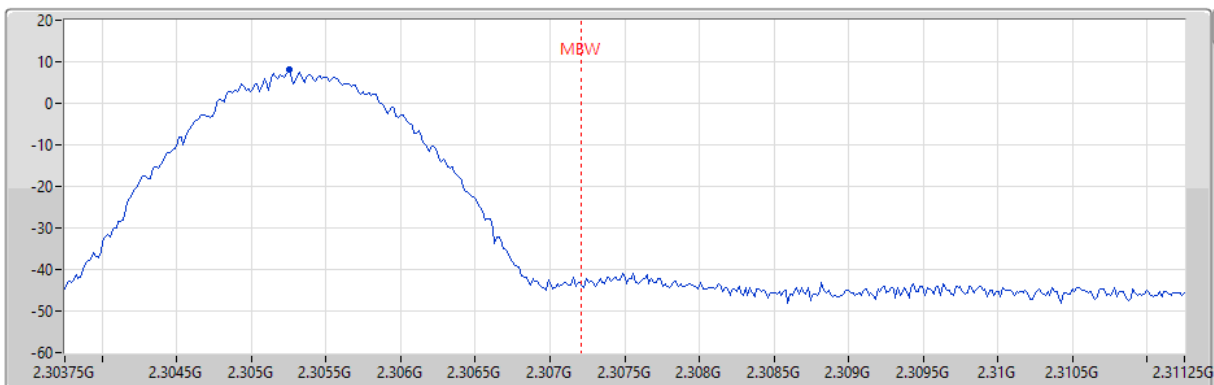
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 1,#RB L

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.97	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.78	7.5M	1M	3M	1m		

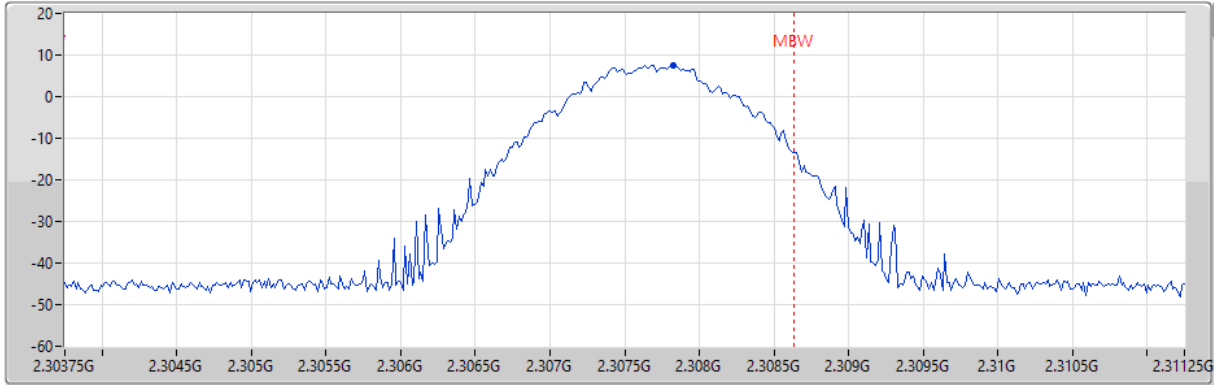
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 1,#RB M

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.65	(dBm/5MHz) 7.07	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

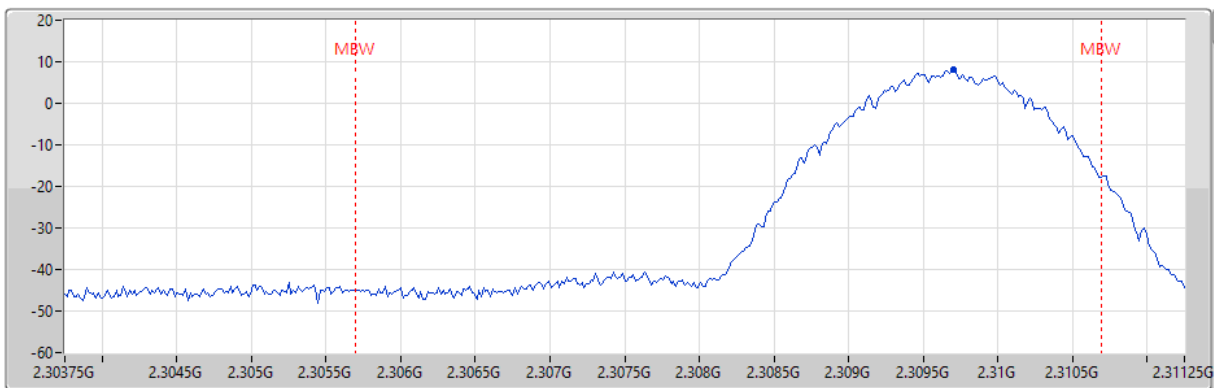
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 1,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.00	(dBm/5MHz) 7.02	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

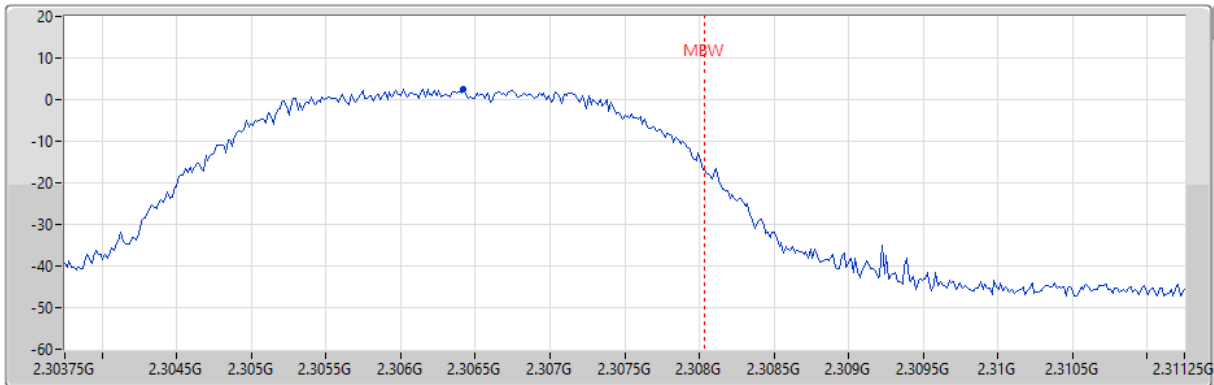
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 12,#RB L

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.55	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.76	7.5M	1M	3M	1m		

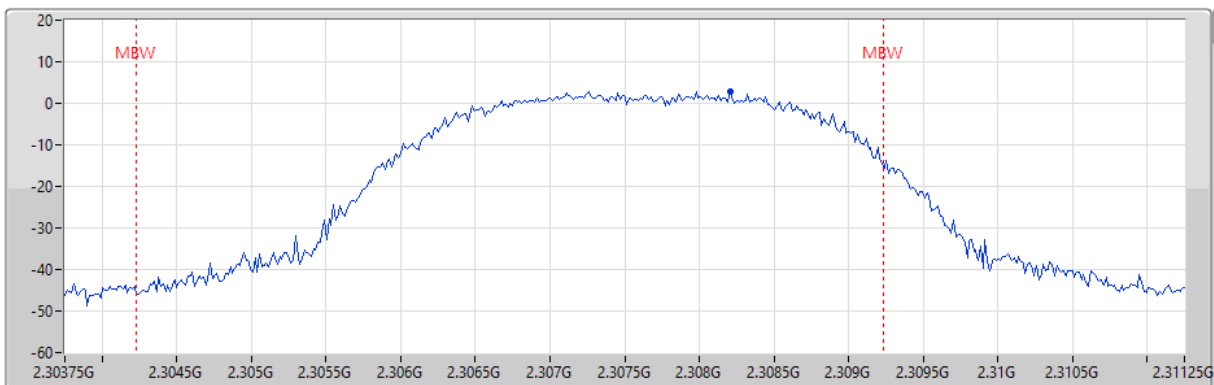
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 12,#RB M

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.87	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.83	7.5M	1M	3M	1m		

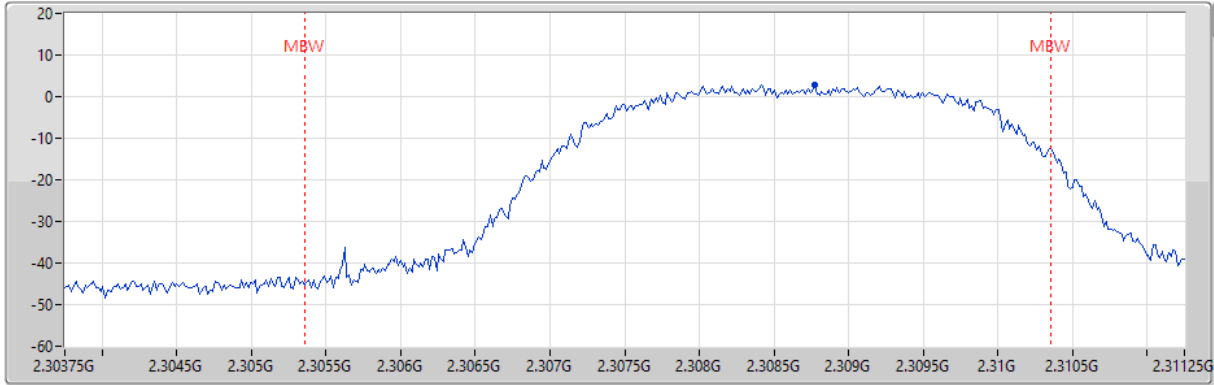
Band 30_LTE_5MHz_1TX

PSD

2307.5MHz_64QAM_RB 12,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.83	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

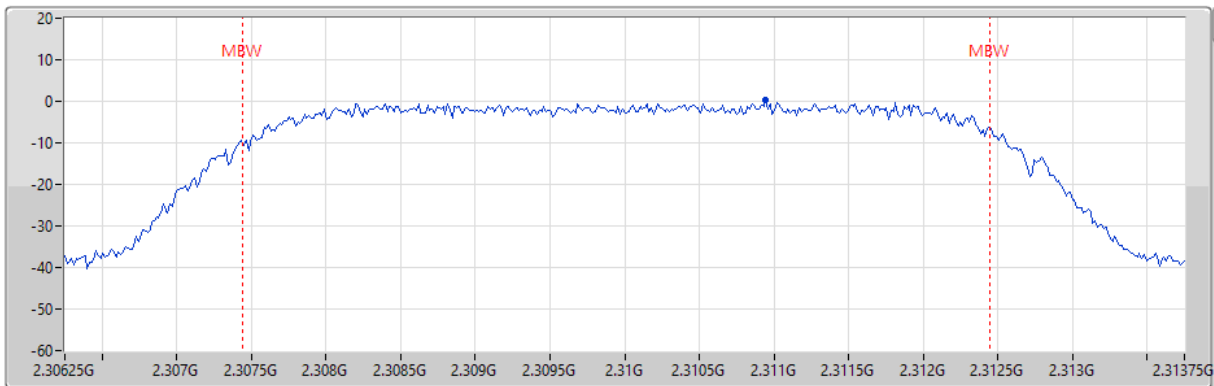
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 25,#RB 0

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.23	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

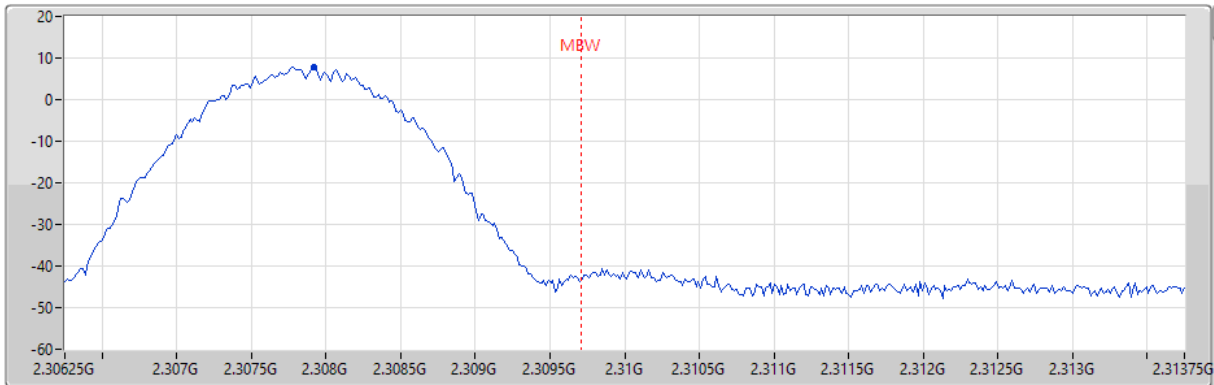
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 1,#RB L

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.82	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.99	7.5M	1M	3M	1m		

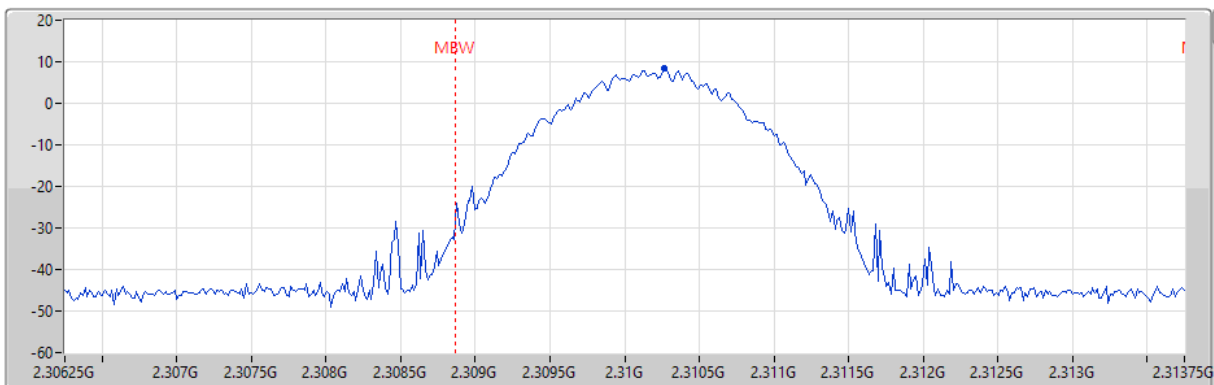
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 1,#RB M

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.52	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.13	7.5M	1M	3M	1m		

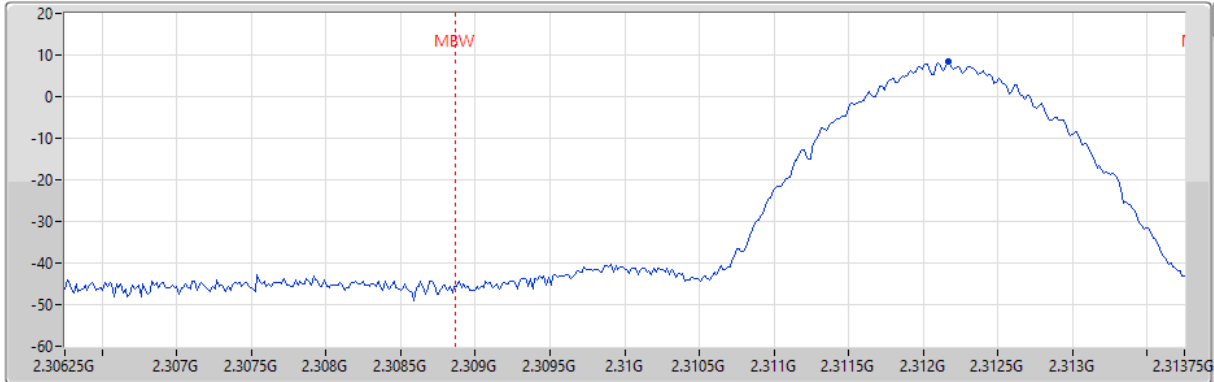
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 1,#RB H

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Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.38	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.08	7.5M	1M	3M	1m		

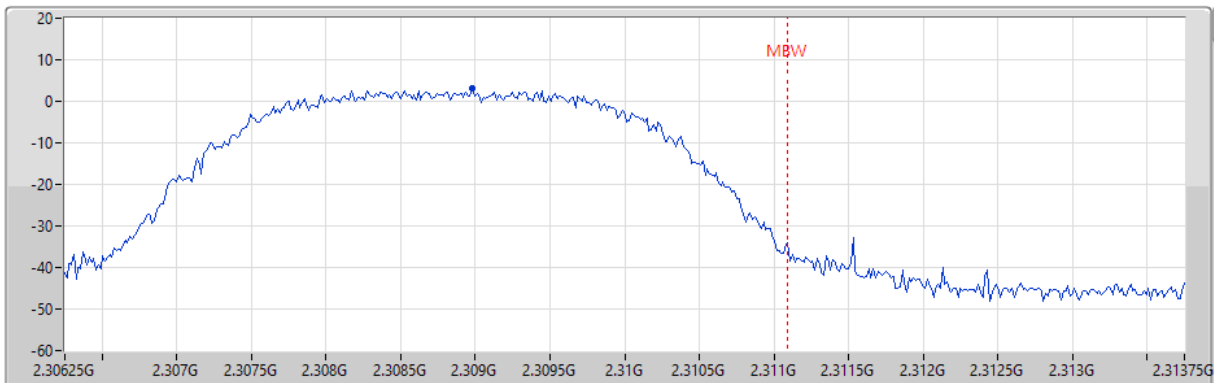
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 12,#RB L

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.07	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.98	7.5M	1M	3M	1m		

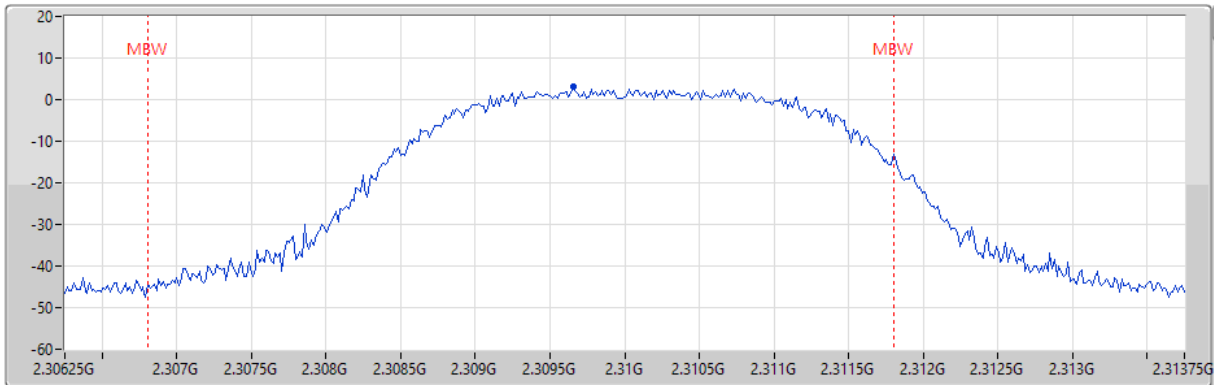
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 12,#RB M

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Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.04	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.91	7.5M	1M	3M	1m		

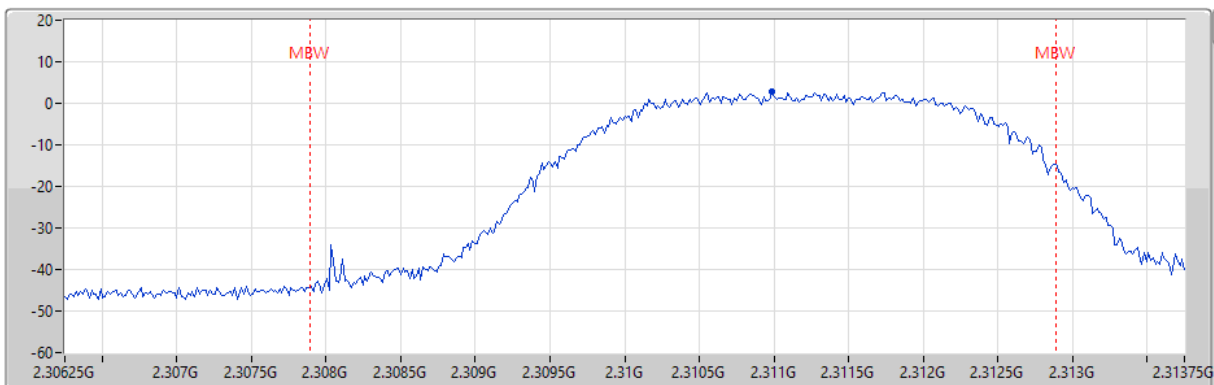
Band 30_LTE_5MHz_1TX

PSD

2310MHz_64QAM_RB 12,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.66	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.90	7.5M	1M	3M	1m		

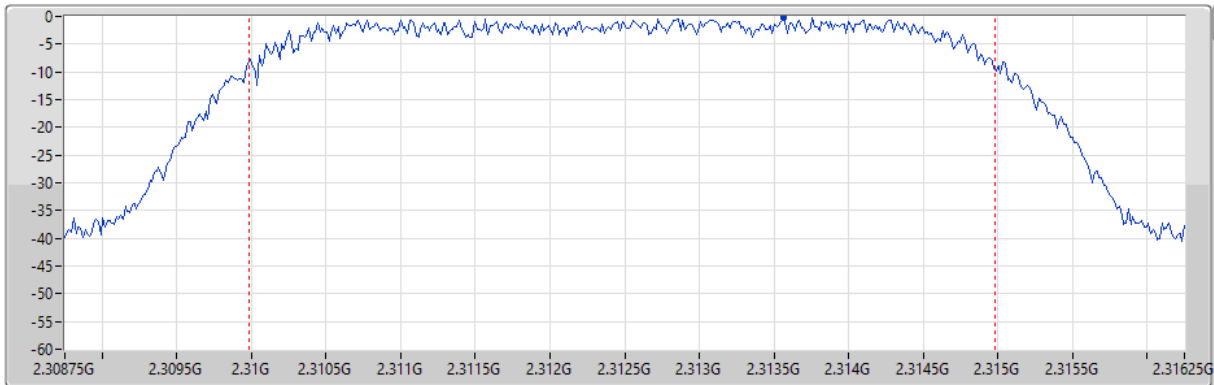
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 25,#RB 0

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-0.26	(dBm/5MHz) 5.87	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

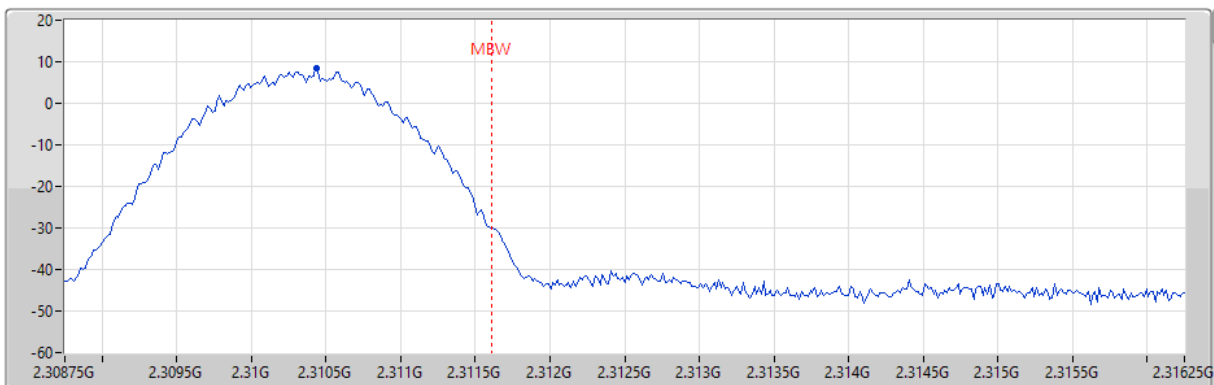
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 1,#RB L

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.39	(dBm/5MHz) 7.01	(Hz) 7.5M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

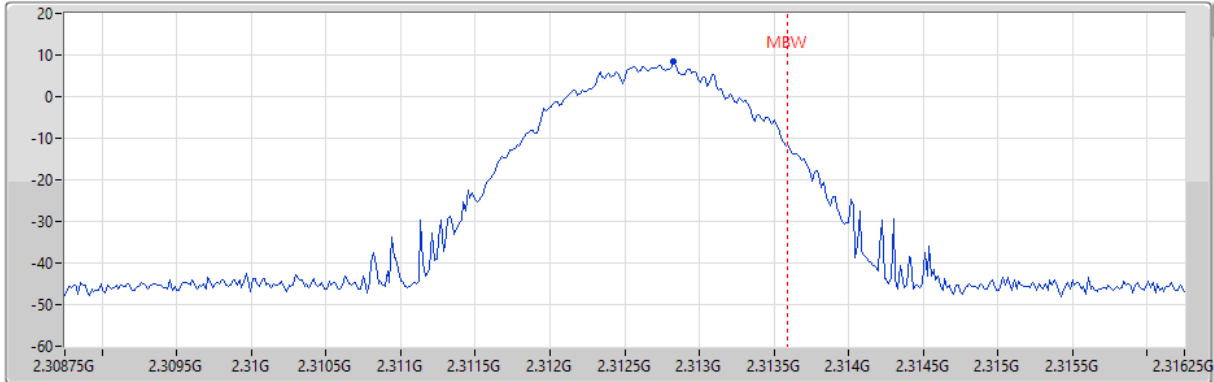
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 1,#RB M

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.37	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.02	7.5M	1M	3M	1m		

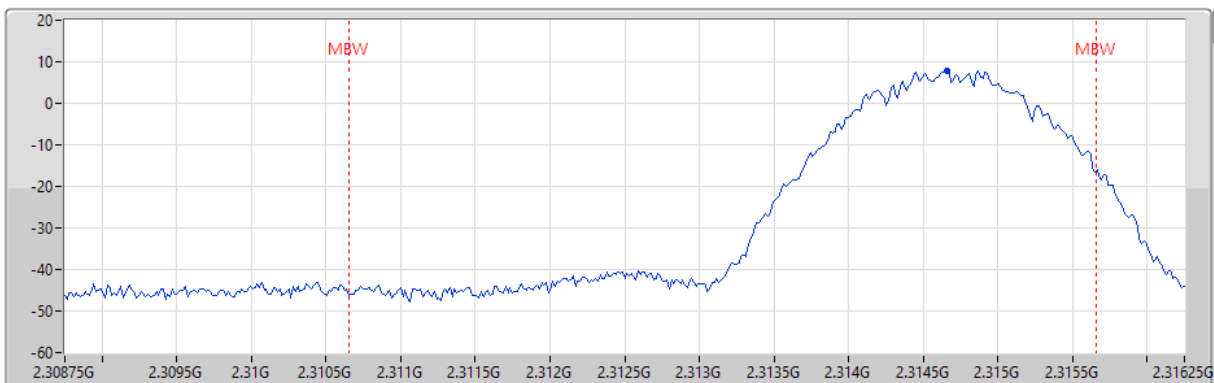
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 1,#RB H

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.75	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.87	7.5M	1M	3M	1m		

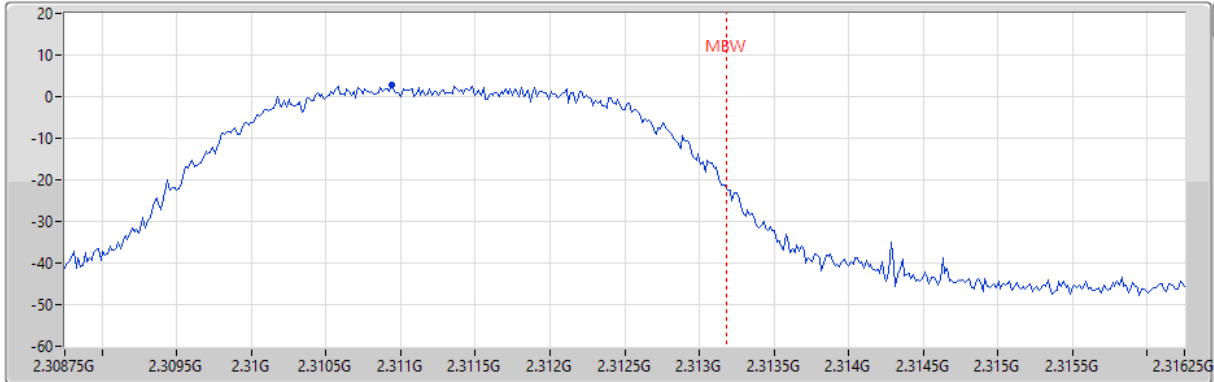
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 12,#RB L

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.84	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.81	7.5M	1M	3M	1m		

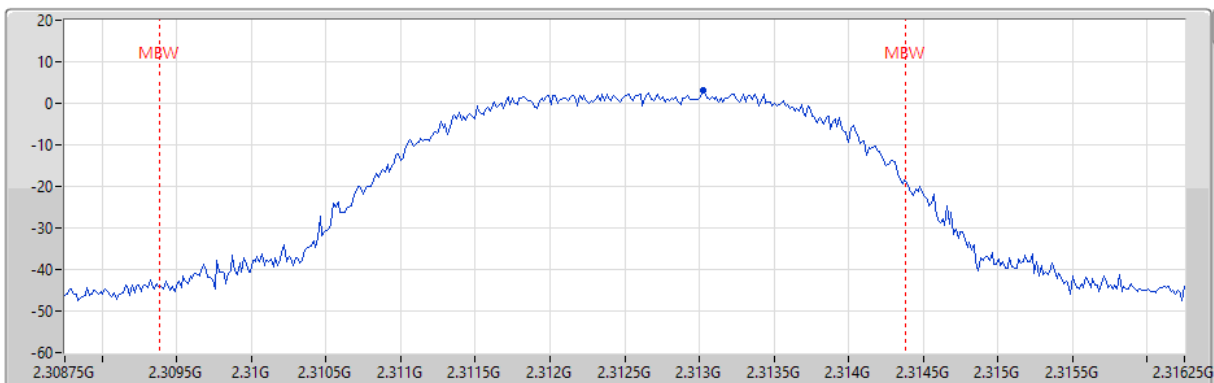
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 12,#RB M

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
3.05	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.91	7.5M	1M	3M	1m		

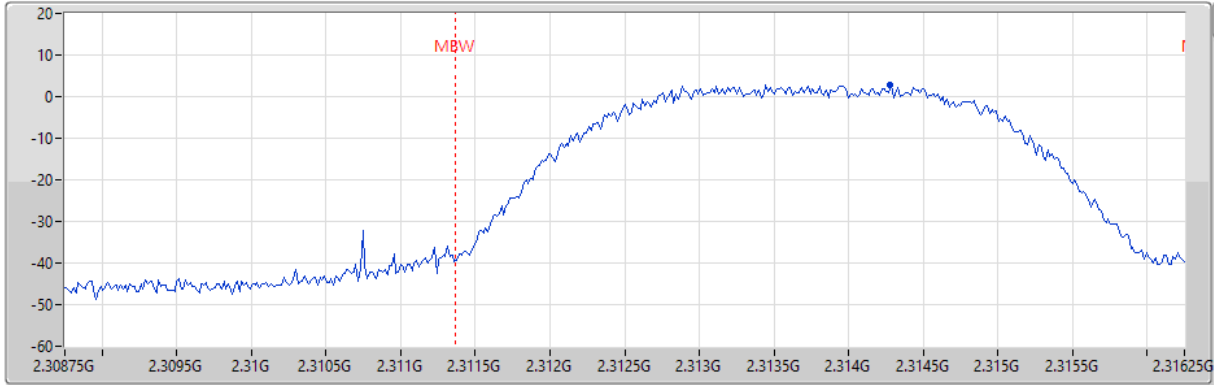
Band 30_LTE_5MHz_1TX

PSD

2312.5MHz_64QAM_RB 12,#RB H

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
2.92	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	5.97	7.5M	1M	3M	1m		

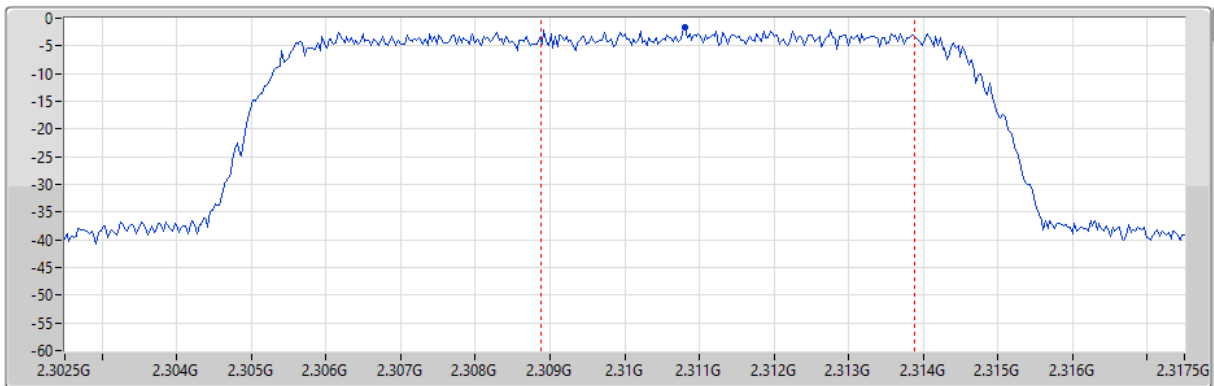
Band 30_LTE_10MHz_1TX

PSD

2310MHz_QPSK_RB 50,#RB 0

30/10/2023

Port 1 



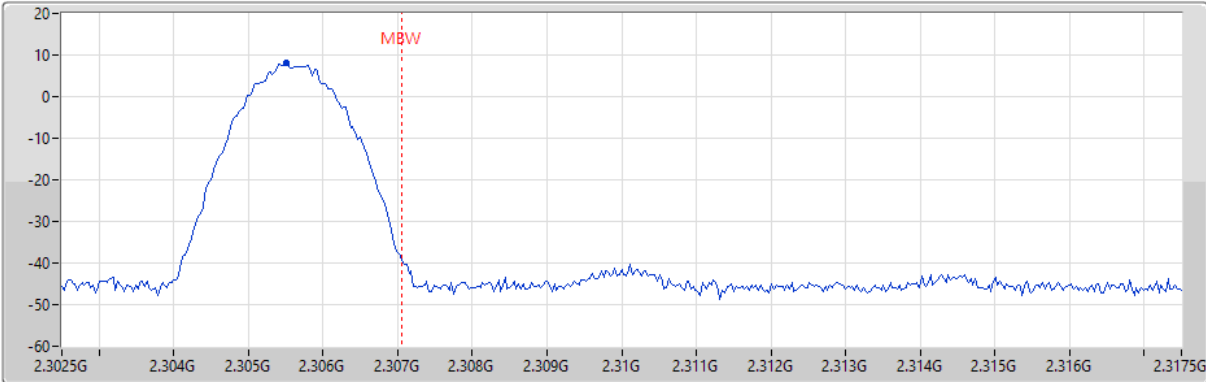
PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-1.73	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	4.52	15M	1M	3M	1m		

Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 1,#RB L

PSD

30/10/2023

Port 1 




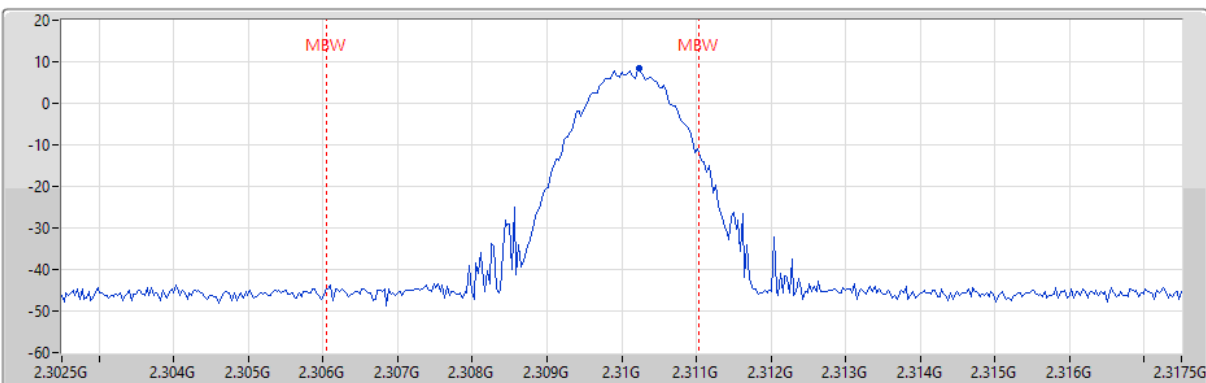
PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.04	(dBm/5MHz) 7.73	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 1,#RB M

PSD

30/10/2023

Port 1 




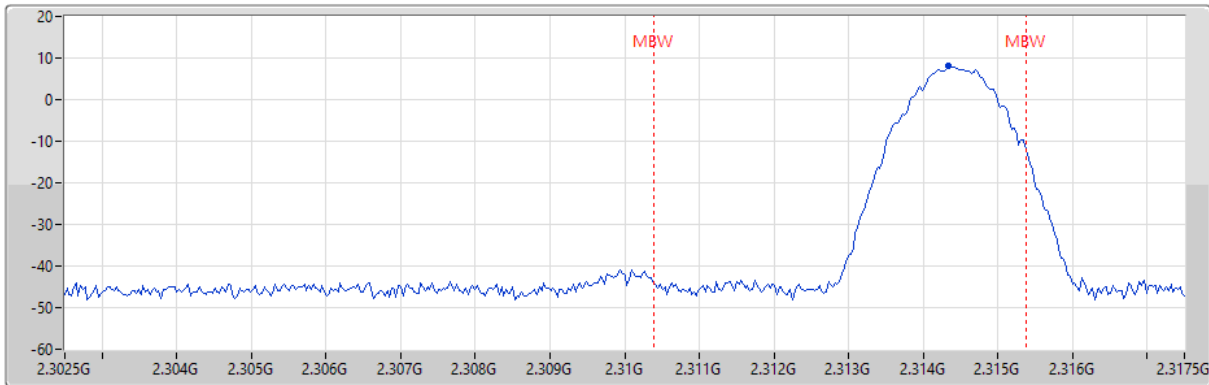
PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.39	(dBm/5MHz) 7.73	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 1,#RB H

PSD

30/10/2023

Port 1 




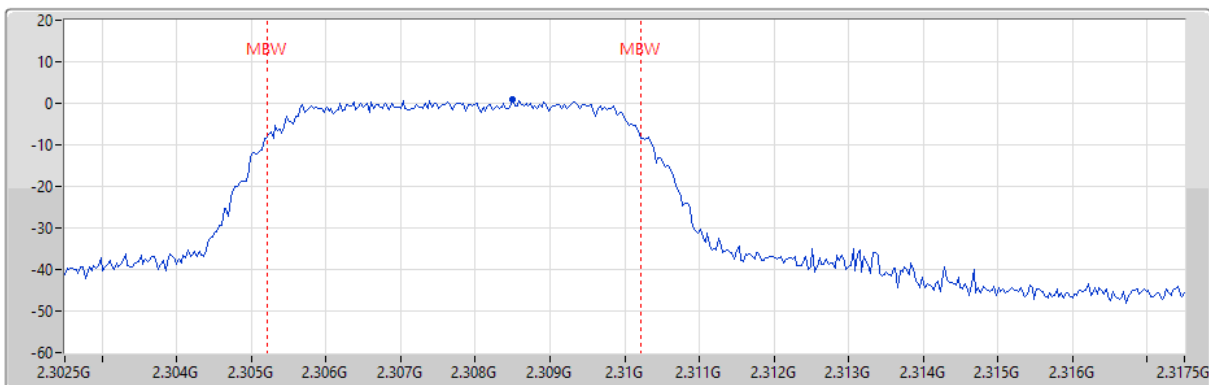
PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.97	(dBm/5MHz) 7.85	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 25,#RB L

PSD

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.79	(dBm/5MHz) 7.00	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

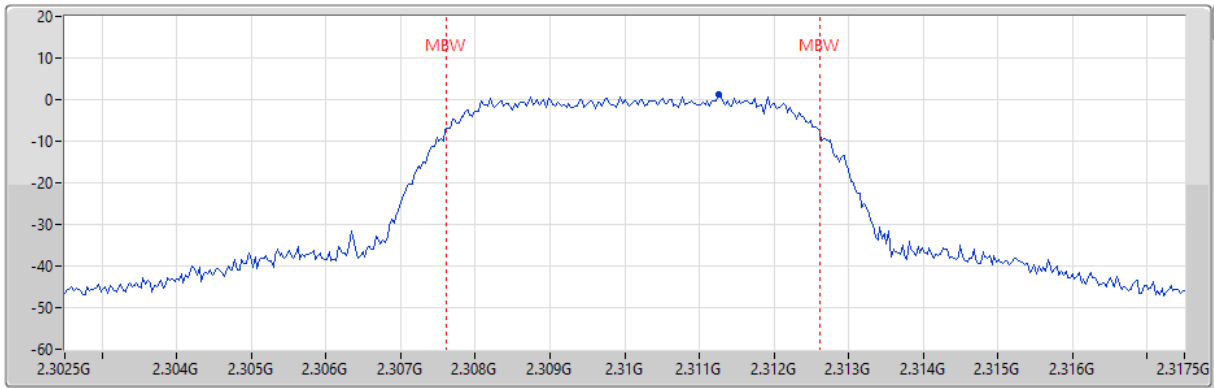
Band 30_LTE_10MHz_1TX

PSD

2310MHz_QPSK_RB 25,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
1.12	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

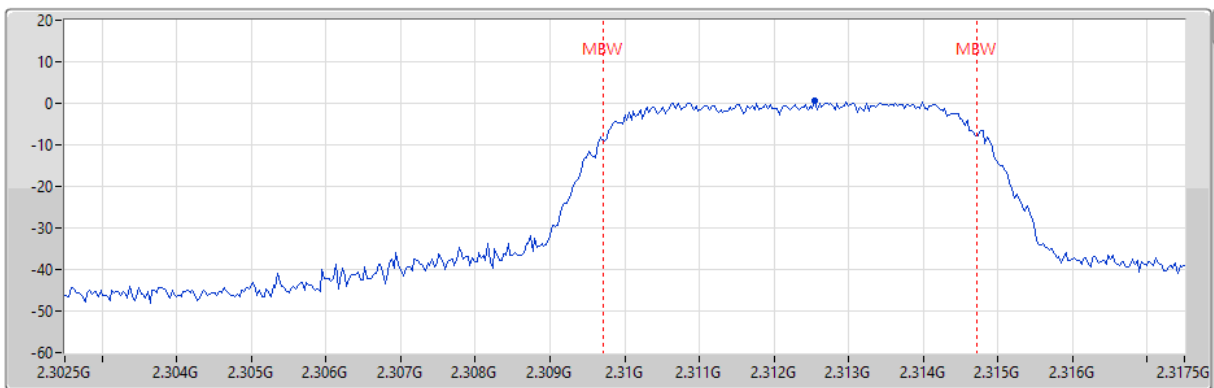
Band 30_LTE_10MHz_1TX

PSD

2310MHz_QPSK_RB 25,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.60	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

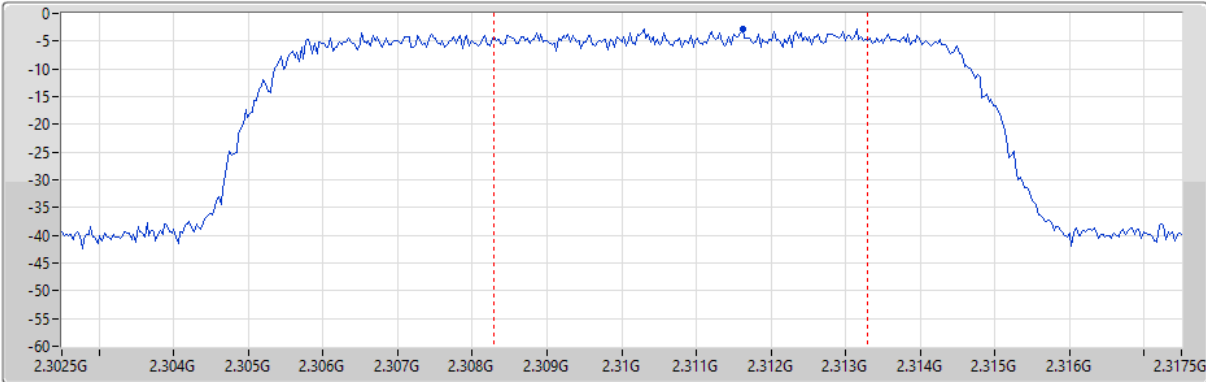
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 50,#RB 0

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-2.74	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	3.53	15M	1M	3M	1m		

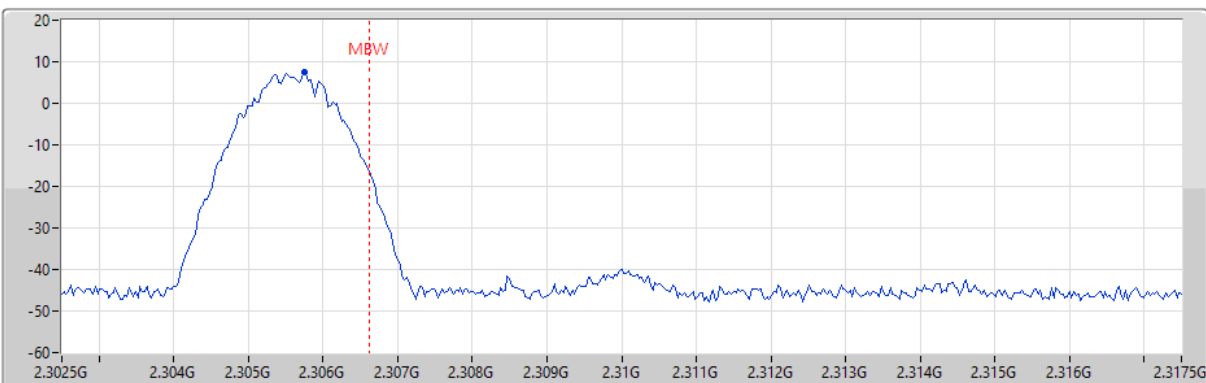
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 1,#RB L

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.47	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.78	15M	1M	3M	1m		

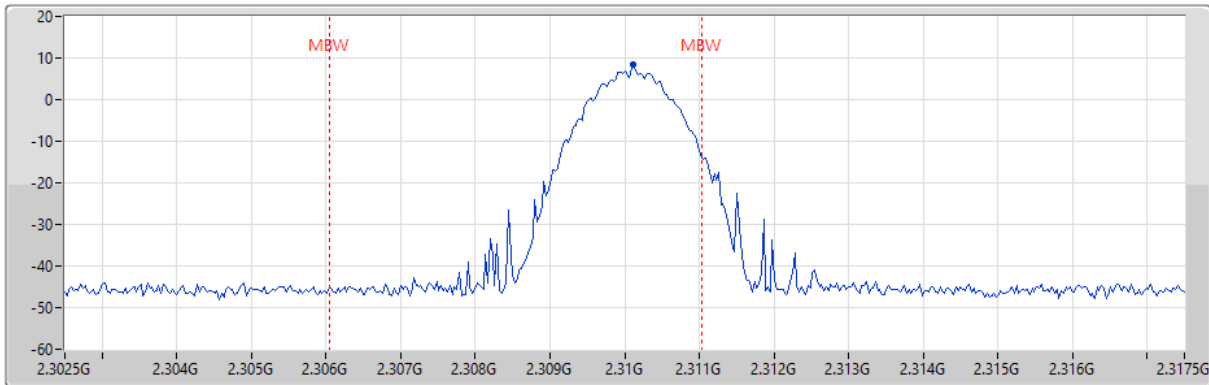
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 1,#RB M

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.54	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	6.87	15M	1M	3M	1m		

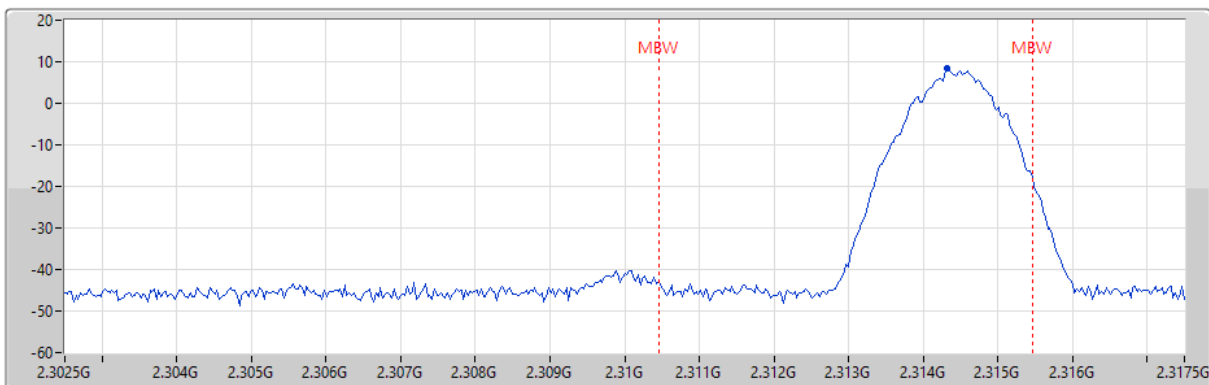
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 1,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
8.38	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1
	7.24	15M	1M	3M	1m		

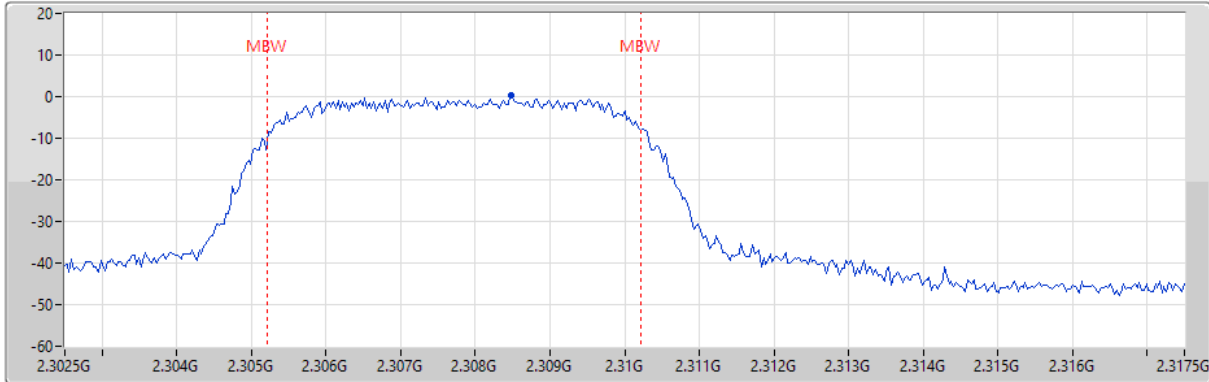
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 25,#RB L

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
0.34	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

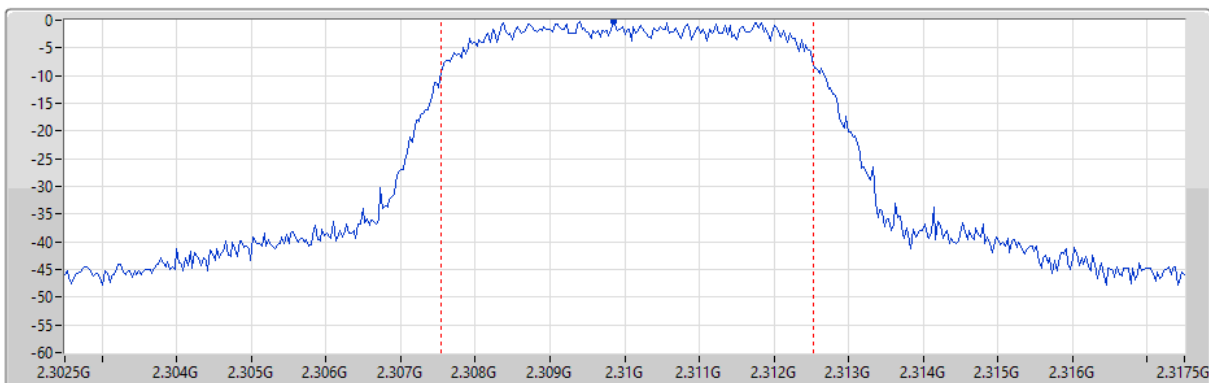
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 25,#RB M

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-0.15	(dBm/5MHz)	(Hz)	(Hz)	(Hz)	(s)	RMS	1

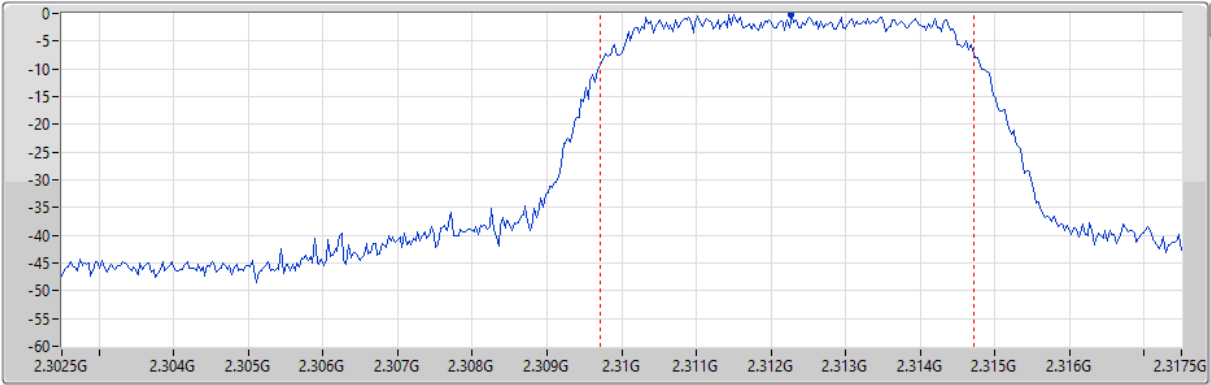
Band 30_LTE_10MHz_1TX

PSD

2310MHz_16QAM_RB 25,#RB H

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-0.26	(dBm/5MHz) 5.94	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

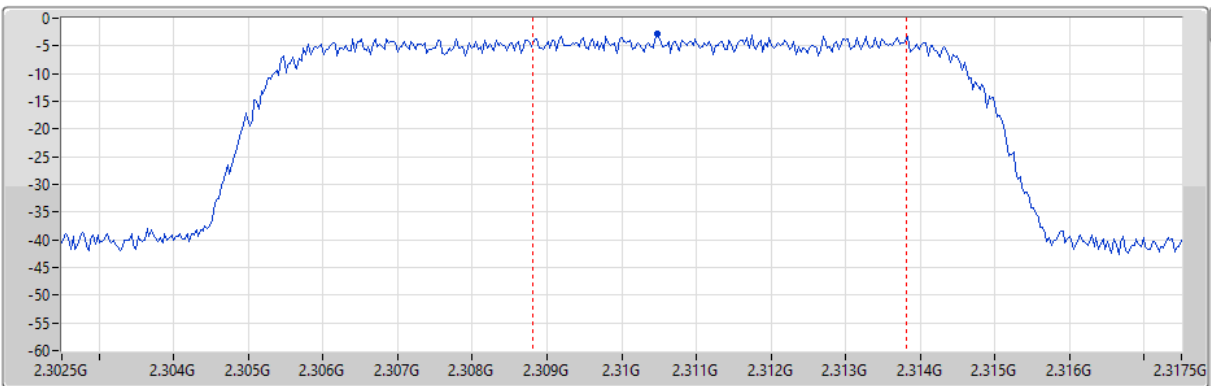
Band 30_LTE_10MHz_1TX

PSD

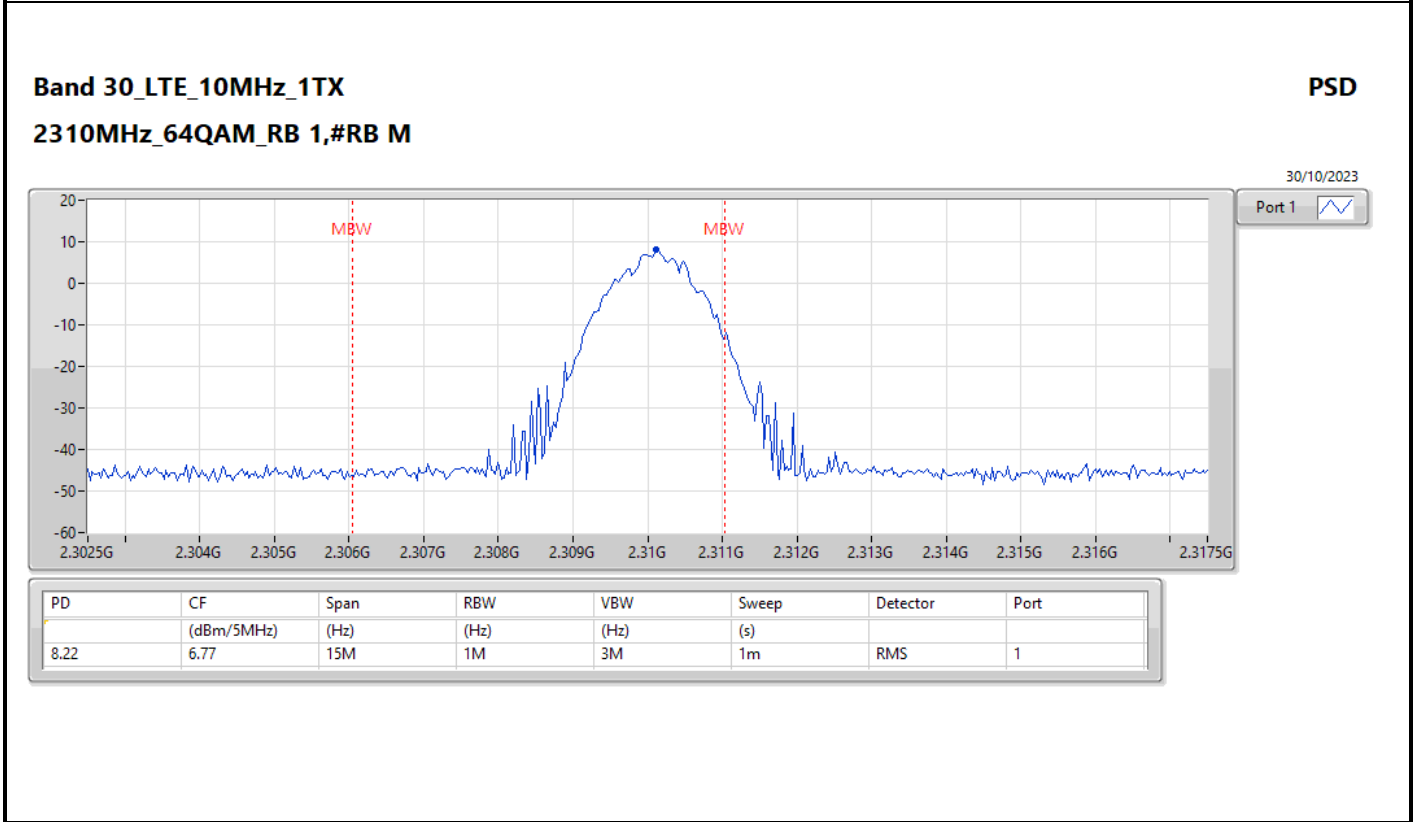
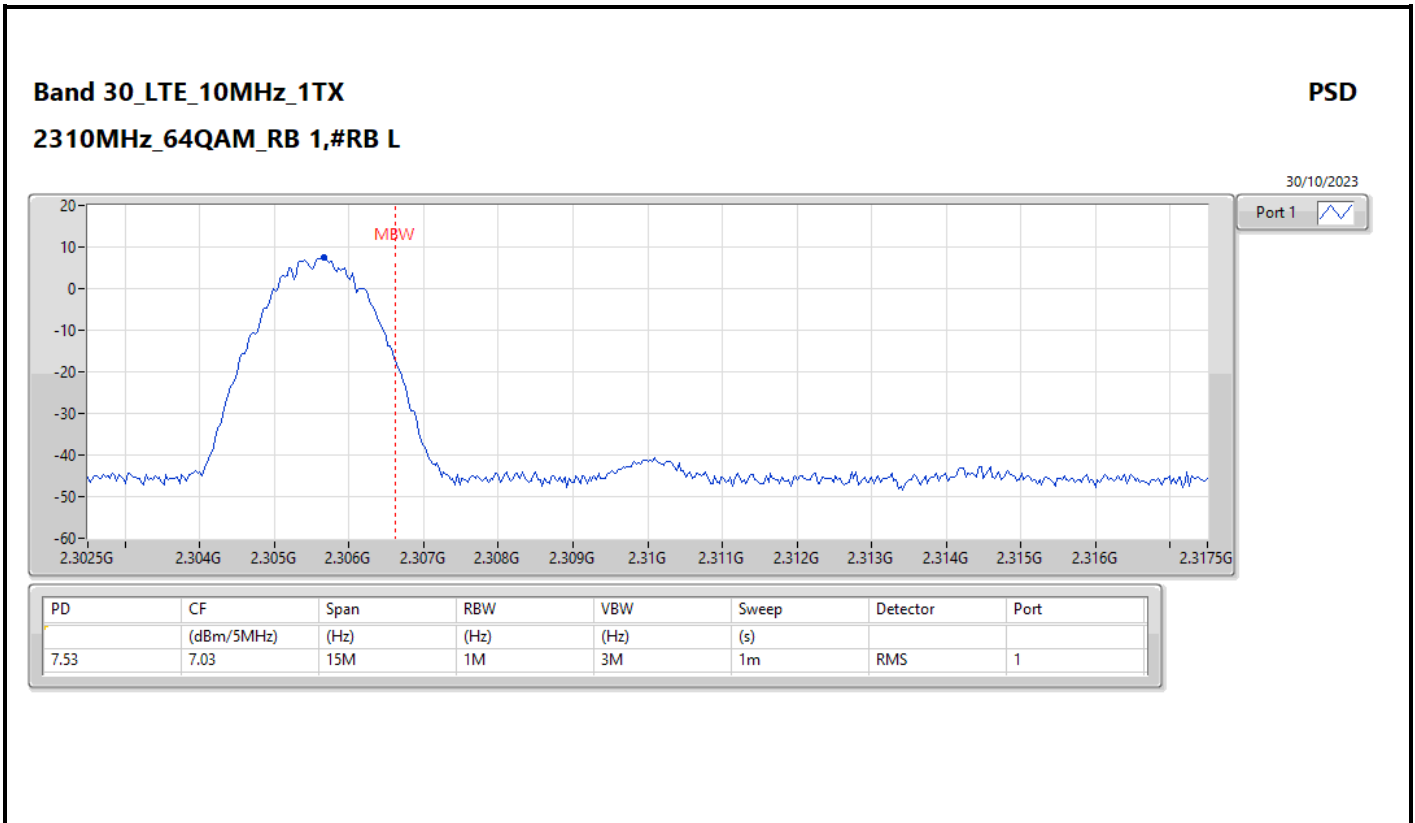
2310MHz_64QAM_RB 50,#RB 0

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-2.87	(dBm/5MHz) 3.50	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1




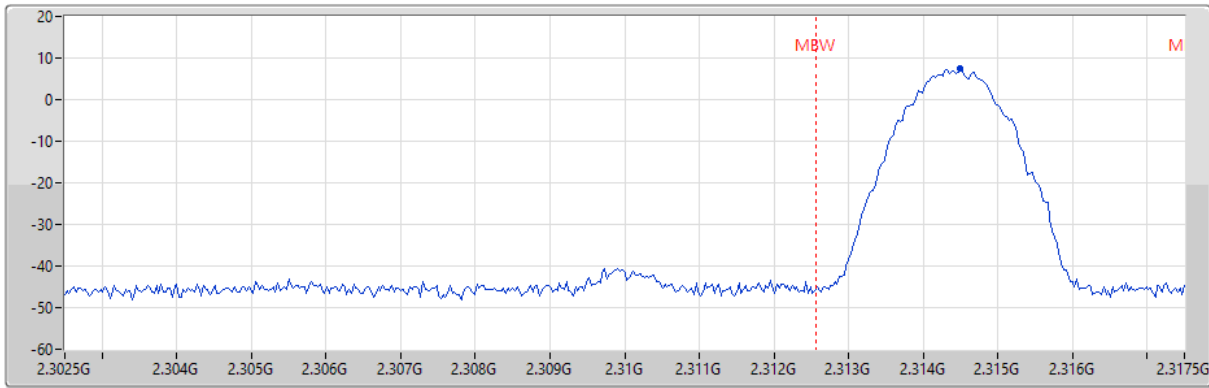
Band 30_LTE_10MHz_1TX

PSD

2310MHz_64QAM_RB 1,#RB H

30/10/2023

Port 1 




PD	CF	Span	RBW	VBW	Sweep	Detector	Port
7.38	(dBm/5MHz) 7.03	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1

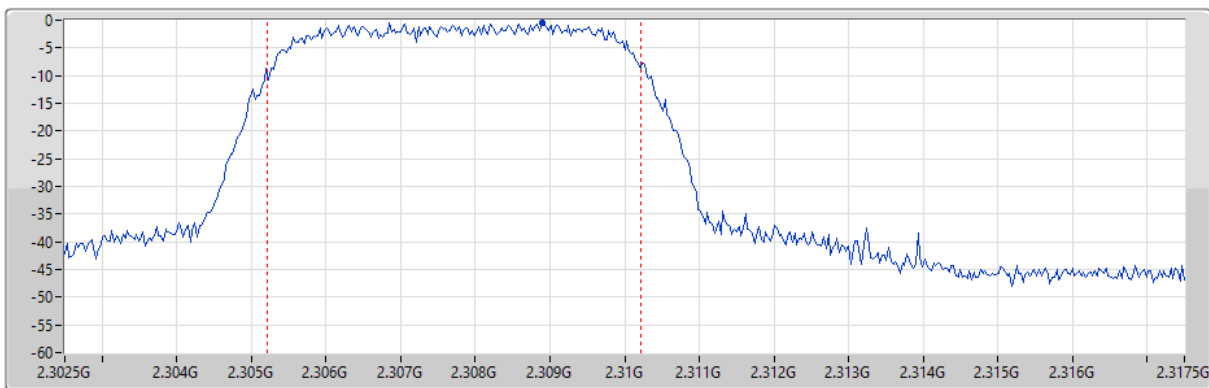
Band 30_LTE_10MHz_1TX

PSD

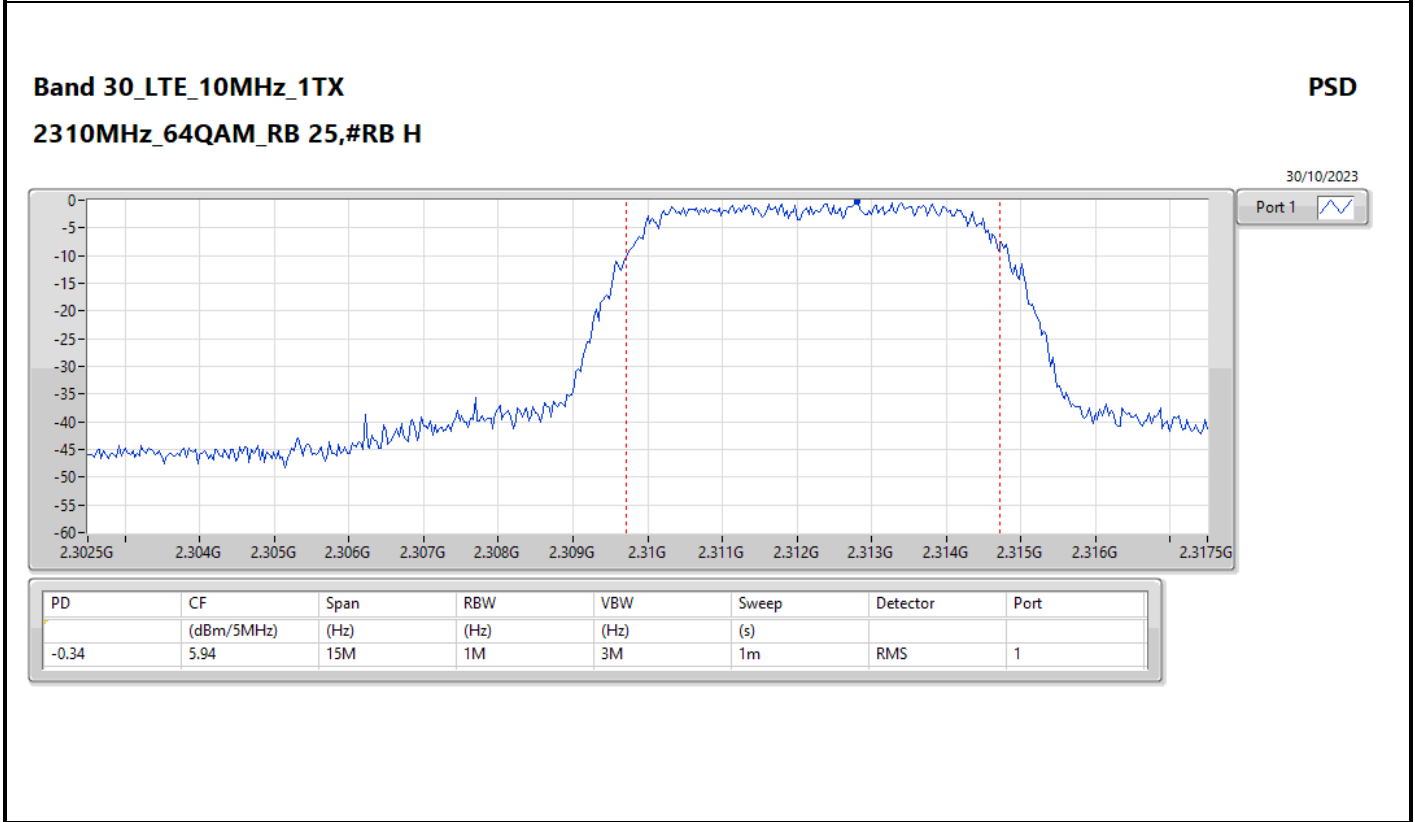
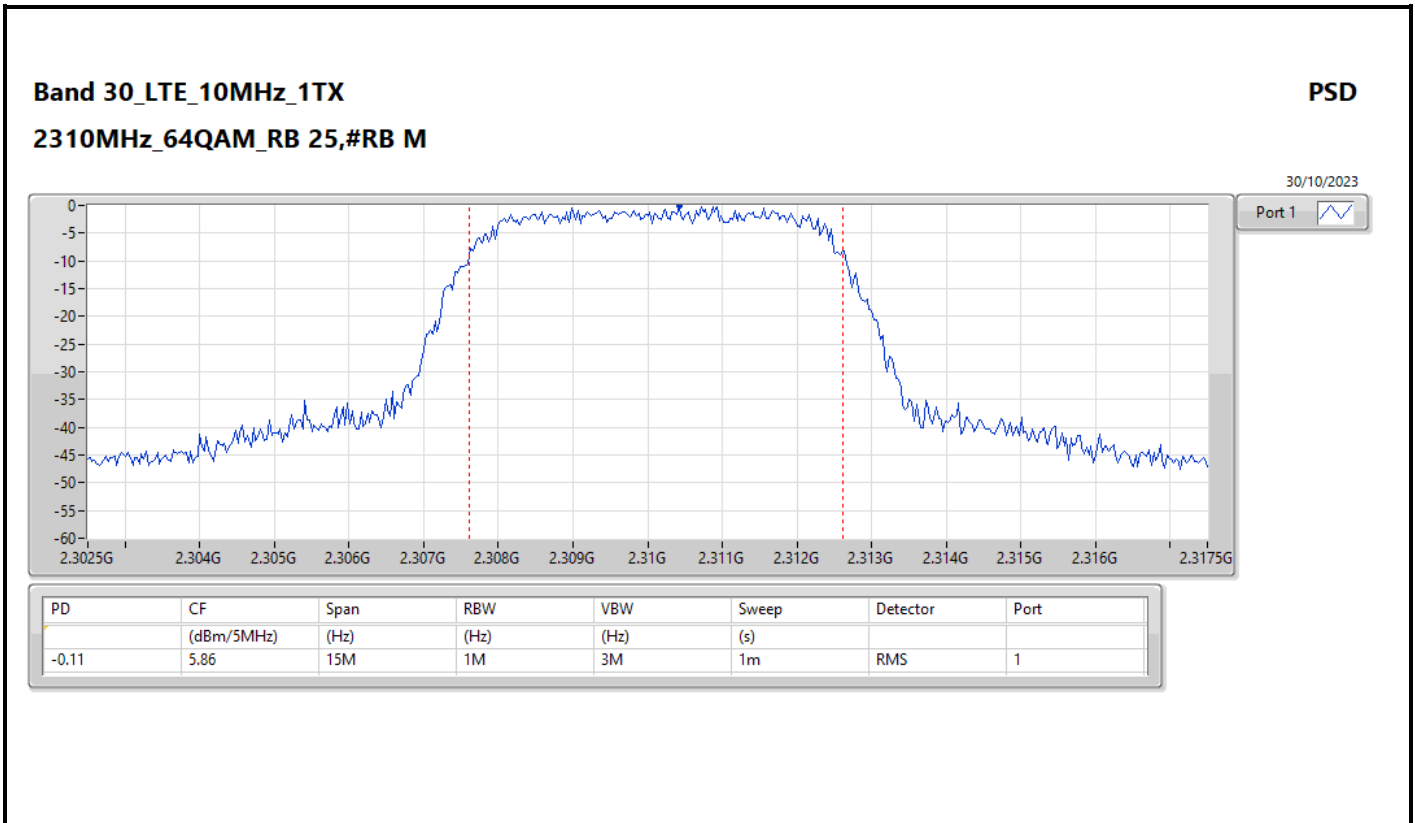
2310MHz_64QAM_RB 25,#RB L

30/10/2023

Port 1 



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
-0.53	(dBm/5MHz) 5.88	(Hz) 15M	(Hz) 1M	(Hz) 3M	(s) 1m	RMS	1





Summary

Mode	Power (dBm/5MHz)	EIRP (dBm/5MHz)
Band 30	-	-
LTE_5MHz_QPSK_1TX	7.96	15.46
LTE_5MHz_16QAM_1TX	7.31	14.81
LTE_5MHz_64QAM_1TX	7.13	14.63
LTE_10MHz_QPSK_1TX	7.85	15.35
LTE_10MHz_16QAM_1TX	7.24	14.74
LTE_10MHz_64QAM_1TX	7.03	14.53

DG = Directional Gain;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

Result

Mode	Result	MBW (Hz)	DG (dB)	Power (dBm/5MHz)	EIRP PD (dBm/5MHz)	EIRP PD Limit (dBm/5MHz)
Band 30_LTE_5MHz_QPSK_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	5M	7.50	6.89	14.39	23.98
2307.5MHz_RB 1,#RB L	Pass	5M	7.50	7.83	15.33	23.98
2307.5MHz_RB 1,#RB M	Pass	5M	7.50	7.94	15.44	23.98
2307.5MHz_RB 1,#RB H	Pass	5M	7.50	7.84	15.34	23.98
2307.5MHz_RB 12,#RB L	Pass	5M	7.50	6.83	14.33	23.98
2307.5MHz_RB 12,#RB M	Pass	5M	7.50	6.93	14.43	23.98
2307.5MHz_RB 12,#RB H	Pass	5M	7.50	6.94	14.44	23.98
2310MHz_RB 25,#RB 0	Pass	5M	7.50	6.95	14.45	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	7.83	15.33	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	7.91	15.41	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	7.90	15.40	23.98
2310MHz_RB 12,#RB L	Pass	5M	7.50	6.80	14.30	23.98
2310MHz_RB 12,#RB M	Pass	5M	7.50	6.91	14.41	23.98
2310MHz_RB 12,#RB H	Pass	5M	7.50	6.89	14.39	23.98
2312.5MHz_RB 25,#RB 0	Pass	5M	7.50	6.87	14.37	23.98
2312.5MHz_RB 1,#RB L	Pass	5M	7.50	7.84	15.34	23.98
2312.5MHz_RB 1,#RB M	Pass	5M	7.50	7.96	15.46	23.98
2312.5MHz_RB 1,#RB H	Pass	5M	7.50	7.89	15.39	23.98
2312.5MHz_RB 12,#RB L	Pass	5M	7.50	6.85	14.35	23.98
2312.5MHz_RB 12,#RB M	Pass	5M	7.50	6.96	14.46	23.98
2312.5MHz_RB 12,#RB H	Pass	5M	7.50	6.95	14.45	23.98
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	5M	7.50	5.81	13.31	23.98
2307.5MHz_RB 1,#RB L	Pass	5M	7.50	7.11	14.61	23.98
2307.5MHz_RB 1,#RB M	Pass	5M	7.50	7.20	14.70	23.98
2307.5MHz_RB 1,#RB H	Pass	5M	7.50	7.29	14.79	23.98
2307.5MHz_RB 12,#RB L	Pass	5M	7.50	5.85	13.35	23.98
2307.5MHz_RB 12,#RB M	Pass	5M	7.50	5.78	13.28	23.98
2307.5MHz_RB 12,#RB H	Pass	5M	7.50	5.82	13.32	23.98
2310MHz_RB 25,#RB 0	Pass	5M	7.50	5.81	13.31	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	7.02	14.52	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	6.98	14.48	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	6.95	14.45	23.98
2310MHz_RB 12,#RB L	Pass	5M	7.50	5.86	13.36	23.98
2310MHz_RB 12,#RB M	Pass	5M	7.50	6.06	13.56	23.98
2310MHz_RB 12,#RB H	Pass	5M	7.50	5.83	13.33	23.98
2312.5MHz_RB 25,#RB 0	Pass	5M	7.50	5.79	13.29	23.98
2312.5MHz_RB 1,#RB L	Pass	5M	7.50	6.87	14.37	23.98
2312.5MHz_RB 1,#RB M	Pass	5M	7.50	7.28	14.78	23.98
2312.5MHz_RB 1,#RB H	Pass	5M	7.50	7.31	14.81	23.98
2312.5MHz_RB 12,#RB L	Pass	5M	7.50	5.87	13.37	23.98
2312.5MHz_RB 12,#RB M	Pass	5M	7.50	5.92	13.42	23.98
2312.5MHz_RB 12,#RB H	Pass	5M	7.50	5.89	13.39	23.98
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	5M	7.50	5.75	13.25	23.98
2307.5MHz_RB 1,#RB L	Pass	5M	7.50	6.78	14.28	23.98
2307.5MHz_RB 1,#RB M	Pass	5M	7.50	7.07	14.57	23.98
2307.5MHz_RB 1,#RB H	Pass	5M	7.50	7.02	14.52	23.98
2307.5MHz_RB 12,#RB L	Pass	5M	7.50	5.76	13.26	23.98
2307.5MHz_RB 12,#RB M	Pass	5M	7.50	5.83	13.33	23.98
2307.5MHz_RB 12,#RB H	Pass	5M	7.50	5.91	13.41	23.98
2310MHz_RB 25,#RB 0	Pass	5M	7.50	5.81	13.31	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	6.99	14.49	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	7.13	14.63	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	7.08	14.58	23.98
2310MHz_RB 12,#RB L	Pass	5M	7.50	5.98	13.48	23.98
2310MHz_RB 12,#RB M	Pass	5M	7.50	5.91	13.41	23.98
2310MHz_RB 12,#RB H	Pass	5M	7.50	5.90	13.40	23.98
2312.5MHz_RB 25,#RB 0	Pass	5M	7.50	5.87	13.37	23.98
2312.5MHz_RB 1,#RB L	Pass	5M	7.50	7.01	14.51	23.98

Mode	Result	MBW (Hz)	DG (dBi)	Power (dBm/5MHz)	EIRP PD (dBm/5MHz)	EIRP PD Limit (dBm/5MHz)
2312.5MHz_RB 1,#RB M	Pass	5M	7.50	7.02	14.52	23.98
2312.5MHz_RB 1,#RB H	Pass	5M	7.50	6.87	14.37	23.98
2312.5MHz_RB 12,#RB L	Pass	5M	7.50	5.81	13.31	23.98
2312.5MHz_RB 12,#RB M	Pass	5M	7.50	5.91	13.41	23.98
2312.5MHz_RB 12,#RB H	Pass	5M	7.50	5.97	13.47	23.98
Band 30_LTE_10MHz_QPSK_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	5M	7.50	4.52	12.02	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	7.73	15.23	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	7.73	15.23	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	7.85	15.35	23.98
2310MHz_RB 25,#RB L	Pass	5M	7.50	7.00	14.50	23.98
2310MHz_RB 25,#RB M	Pass	5M	7.50	6.90	14.40	23.98
2310MHz_RB 25,#RB H	Pass	5M	7.50	6.85	14.35	23.98
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	5M	7.50	3.53	11.03	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	6.78	14.28	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	6.87	14.37	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	7.24	14.74	23.98
2310MHz_RB 25,#RB L	Pass	5M	7.50	5.88	13.38	23.98
2310MHz_RB 25,#RB M	Pass	5M	7.50	5.89	13.39	23.98
2310MHz_RB 25,#RB H	Pass	5M	7.50	5.94	13.44	23.98
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	5M	7.50	3.50	11.00	23.98
2310MHz_RB 1,#RB L	Pass	5M	7.50	7.03	14.53	23.98
2310MHz_RB 1,#RB M	Pass	5M	7.50	6.77	14.27	23.98
2310MHz_RB 1,#RB H	Pass	5M	7.50	7.03	14.53	23.98
2310MHz_RB 25,#RB L	Pass	5M	7.50	5.88	13.38	23.98
2310MHz_RB 25,#RB M	Pass	5M	7.50	5.86	13.36	23.98
2310MHz_RB 25,#RB H	Pass	5M	7.50	5.94	13.44	23.98

DG = Directional Gain;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

Summary

Mode	Max-OBW (Hz)	Max-	ITU-Code	Min-OBW (Hz)	Min-
Band 30	-	-	-	-	-
LTE_5MHz_QPSK_1TX	5.319M	4.679M	4M68G7D	5.288M	4.673M
LTE_5MHz_16QAM_1TX	5.306M	4.654M	4M65W7D	5.275M	4.641M
LTE_5MHz_64QAM_1TX	5.281M	4.648M	4M65W7D	5.263M	4.635M
LTE_10MHz_QPSK_1TX	9.913M	9.058M	9M06G7D	9.913M	9.058M
LTE_10MHz_16QAM_1TX	9.975M	9.02M	9M02W7D	9.975M	9.02M
LTE_10MHz_64QAM_1TX	9.988M	9.058M	9M06W7D	9.988M	9.058M

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

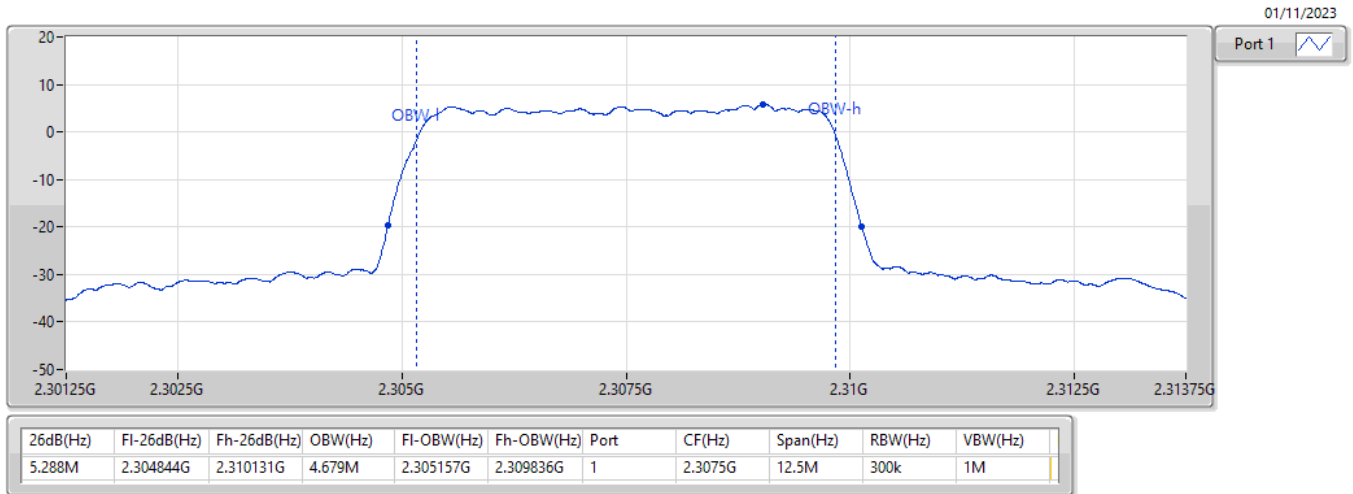
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 30_LTE_5MHz_QPSK_1TX	-	-	-	-
2307.5MHz_RB 25.#RB 0	Pass	5.288M	4.679M	Inf
2310MHz_RB 25.#RB 0	Pass	5.319M	4.673M	Inf
2312.5MHz_RB 25.#RB 0	Pass	5.3M	4.673M	Inf
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-
2307.5MHz_RB 25.#RB 0	Pass	5.306M	4.654M	Inf
2310MHz_RB 25.#RB 0	Pass	5.275M	4.641M	Inf
2312.5MHz_RB 25.#RB 0	Pass	5.275M	4.641M	Inf
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-
2307.5MHz_RB 25.#RB 0	Pass	5.269M	4.641M	Inf
2310MHz_RB 25.#RB 0	Pass	5.281M	4.635M	Inf
2312.5MHz_RB 25.#RB 0	Pass	5.263M	4.648M	Inf
Band 30_LTE_10MHz_QPSK_1TX	-	-	-	-
2310MHz_RB 50.#RB 0	Pass	9.913M	9.058M	Inf
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-
2310MHz_RB 50.#RB 0	Pass	9.975M	9.02M	Inf
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-
2310MHz_RB 50.#RB 0	Pass	9.988M	9.058M	Inf

Port X-N dB = Port X 26dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

Band 30_LTE_5MHz_1TX

EBW

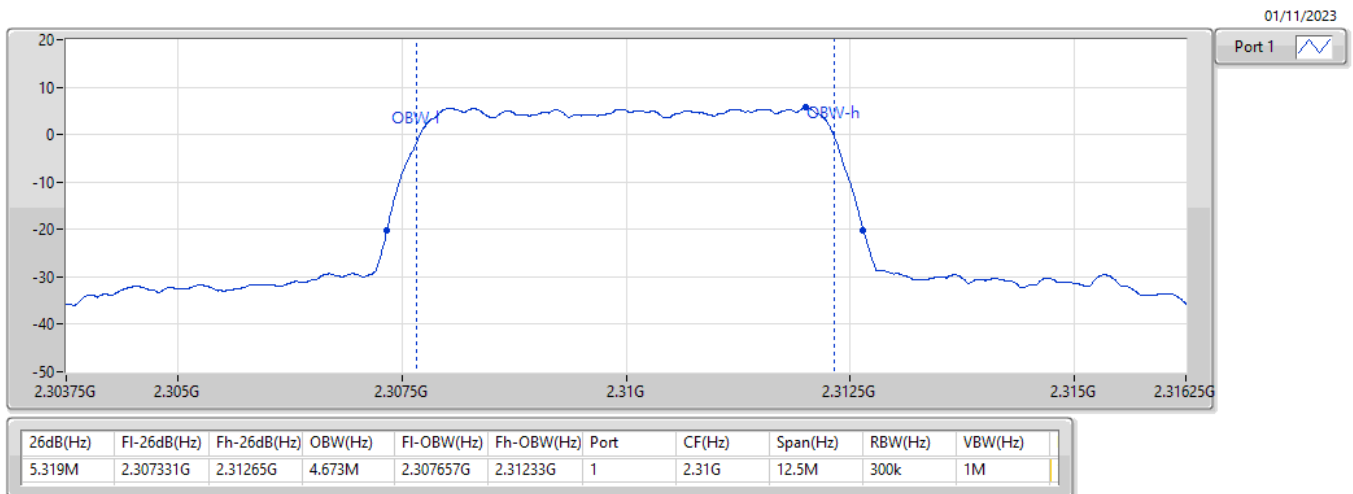
2307.5MHz_QPSK_RB 25,#RB 0

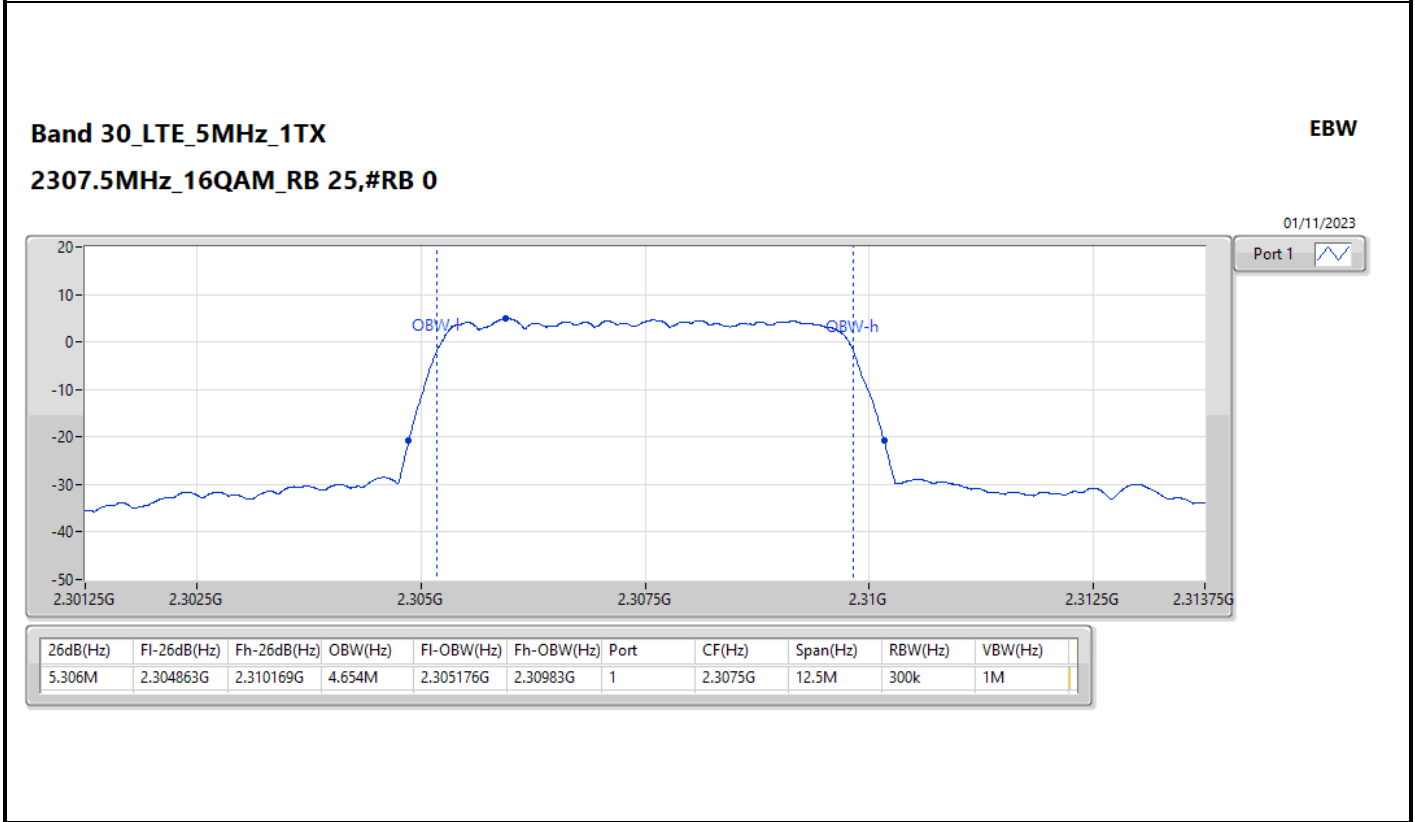
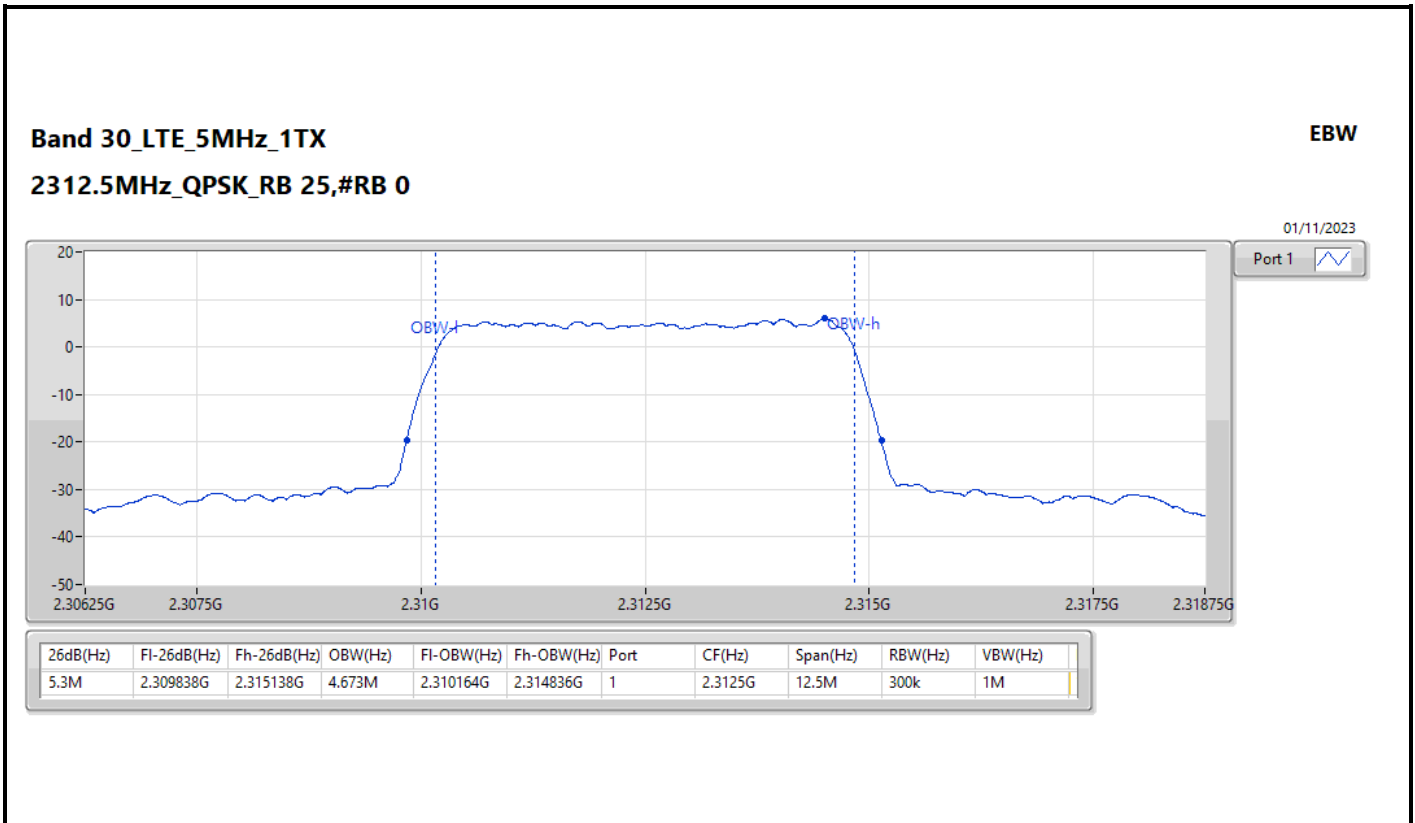


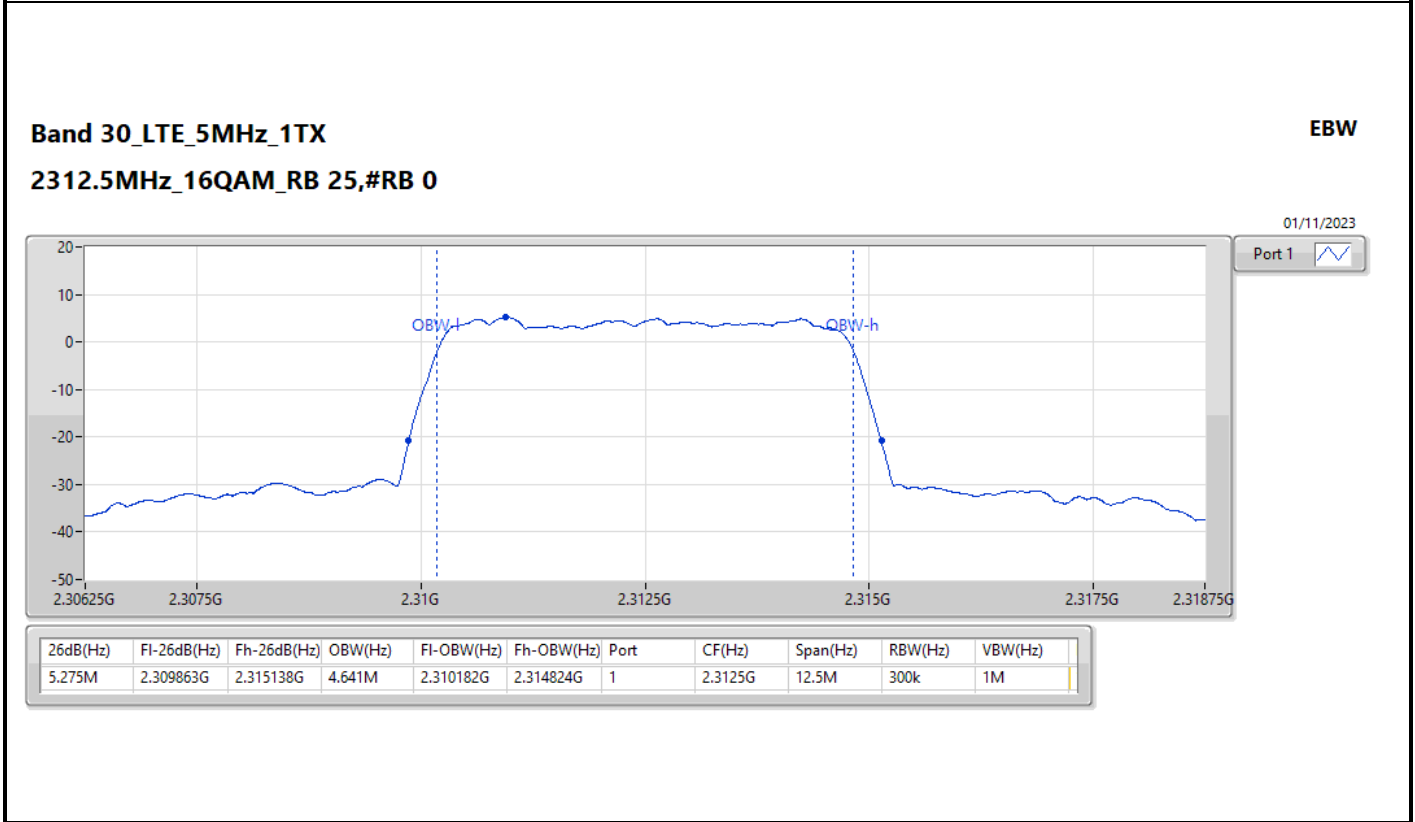
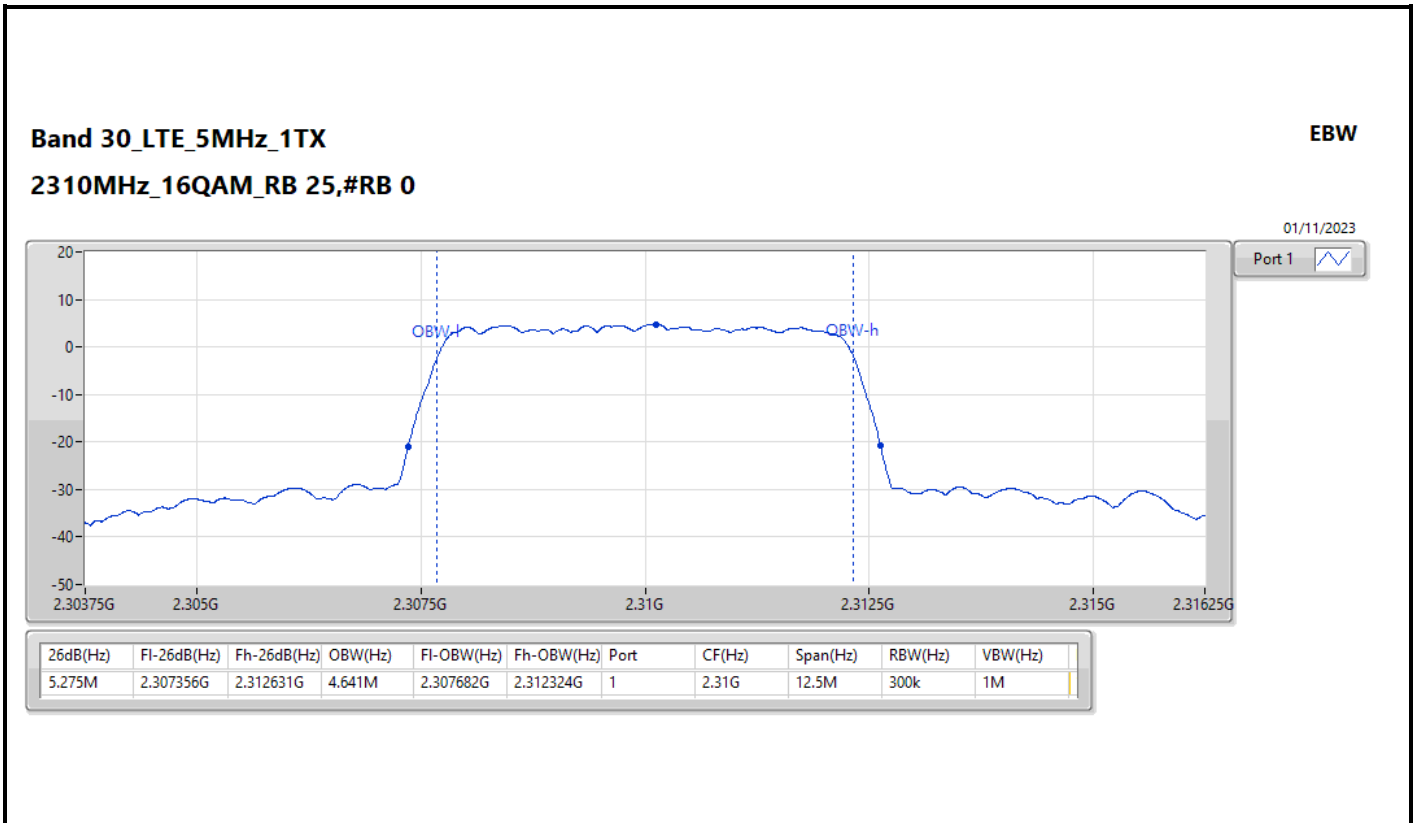
Band 30_LTE_5MHz_1TX

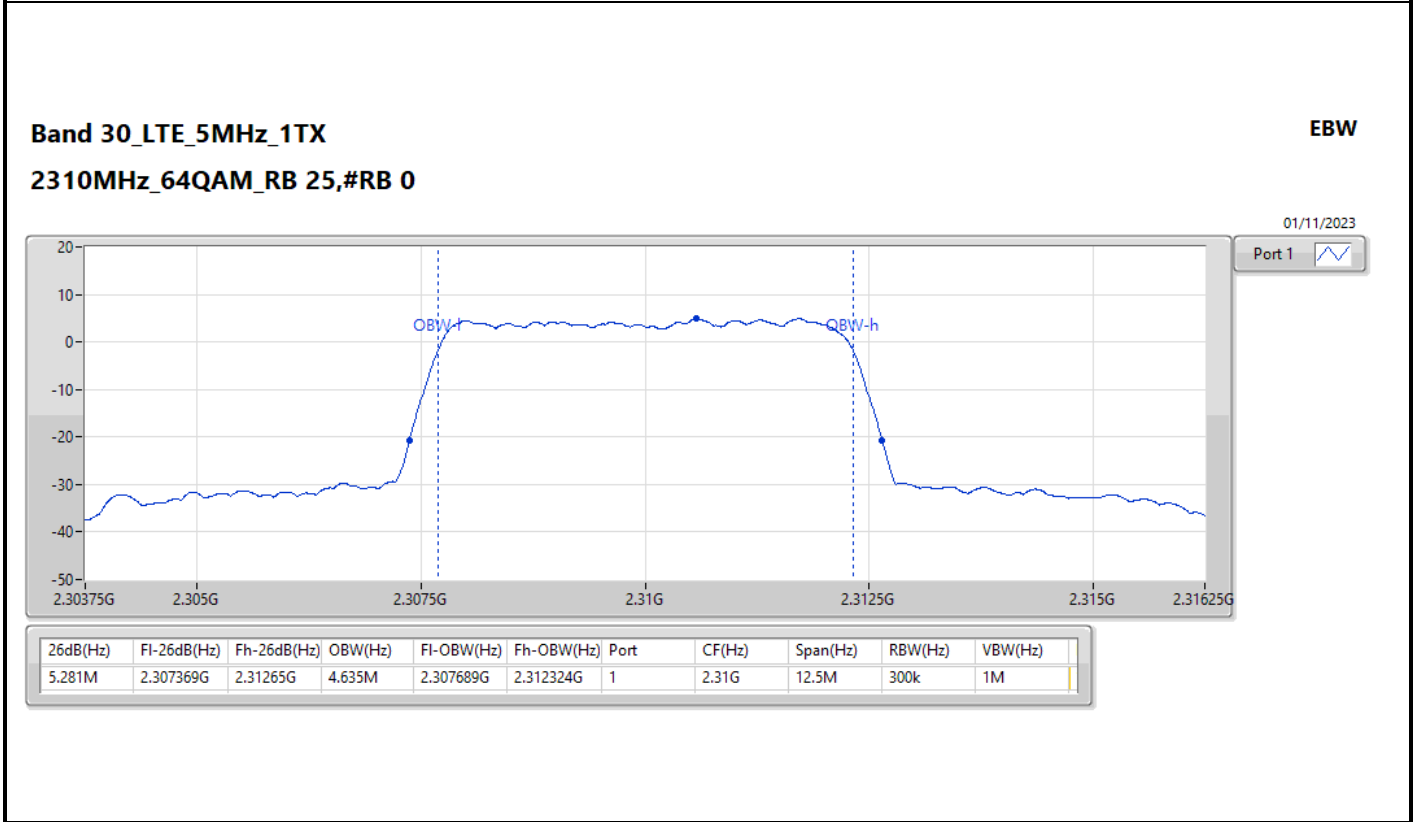
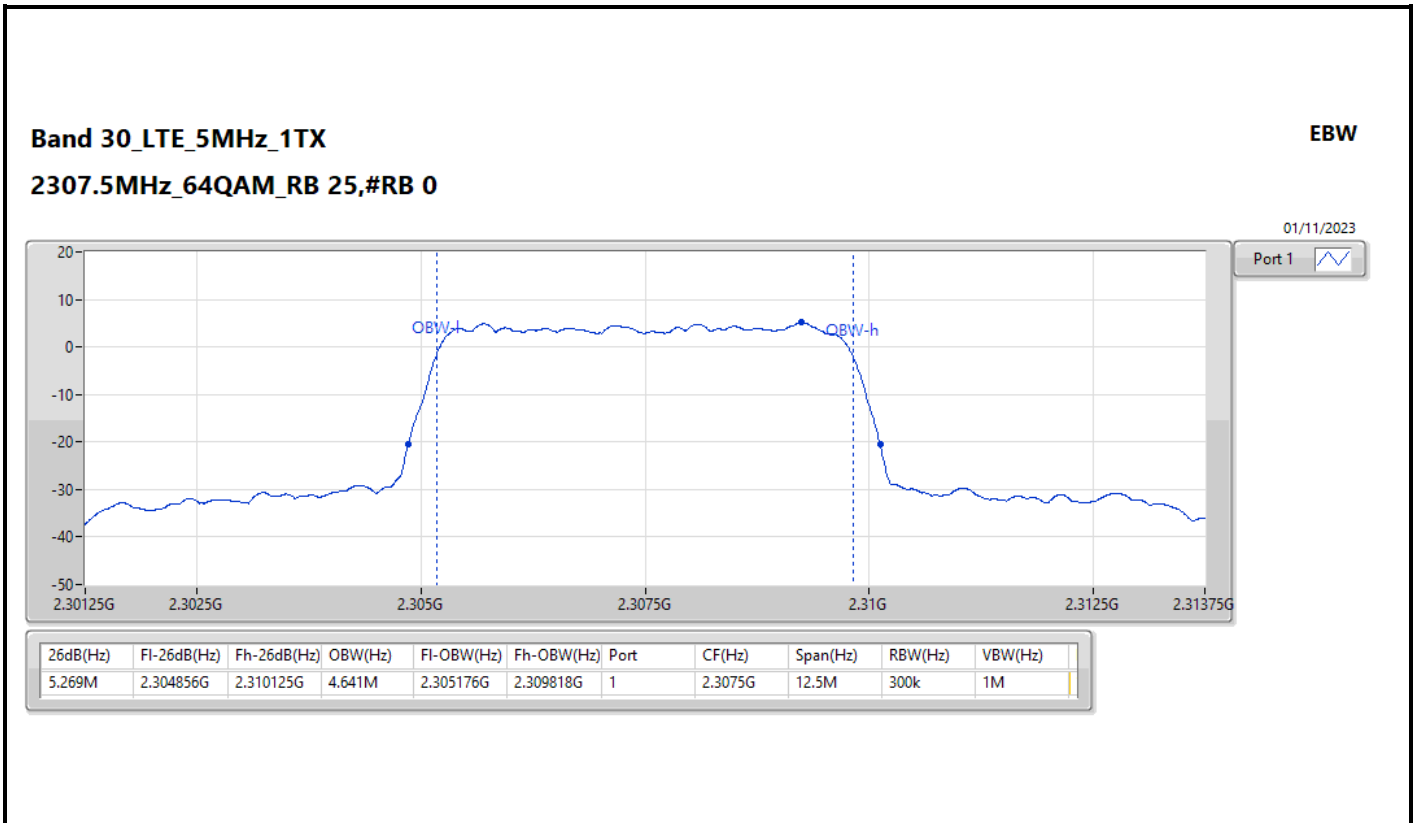
EBW

2310MHz_QPSK_RB 25,#RB 0










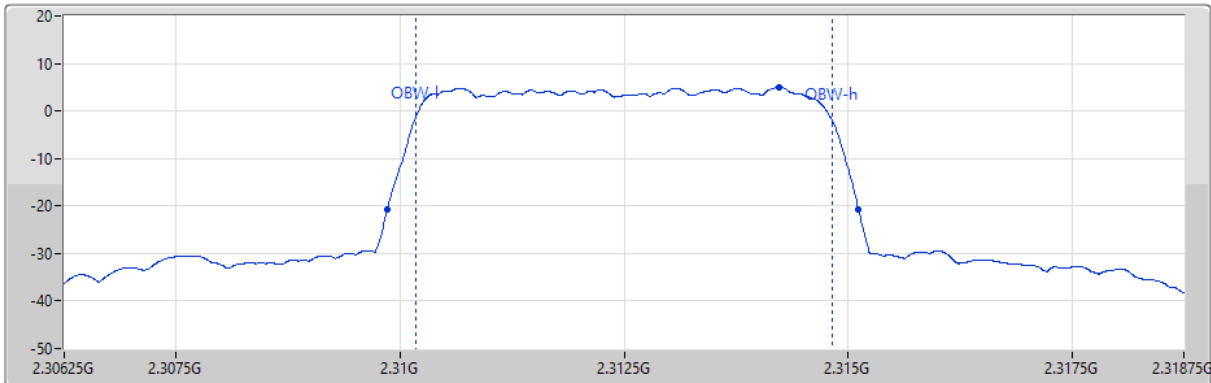
Band 30_LTE_5MHz_1TX

EBW

2312.5MHz_64QAM_RB 25,#RB 0

01/11/2023

Port 1 




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
5.263M	2.309856G	2.315119G	4.648M	2.31017G	2.314818G	1	2.3125G	12.5M	300k	1M

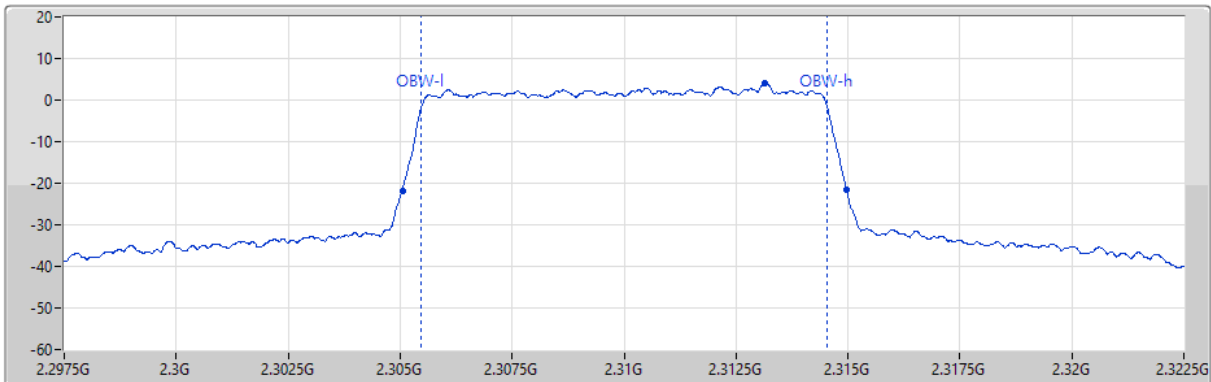
Band 30_LTE_10MHz_1TX

EBW

2310MHz_QPSK_RB 50,#RB 0

01/11/2023

Port 1 

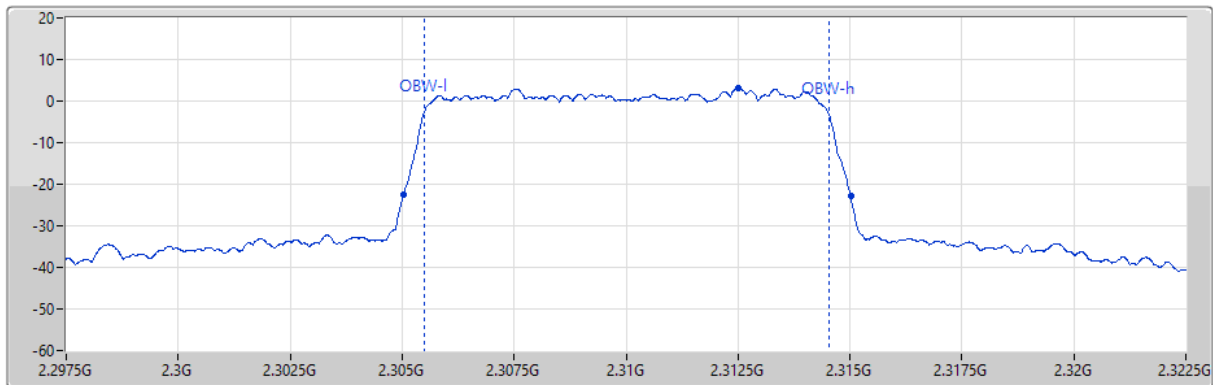


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.913M	2.30505G	2.314963G	9.058M	2.305477G	2.314535G	1	2.31G	25M	300k	1M

Band 30_LTE_10MHz_1TX

EBW

2310MHz_16QAM_RB 50,#RB 0

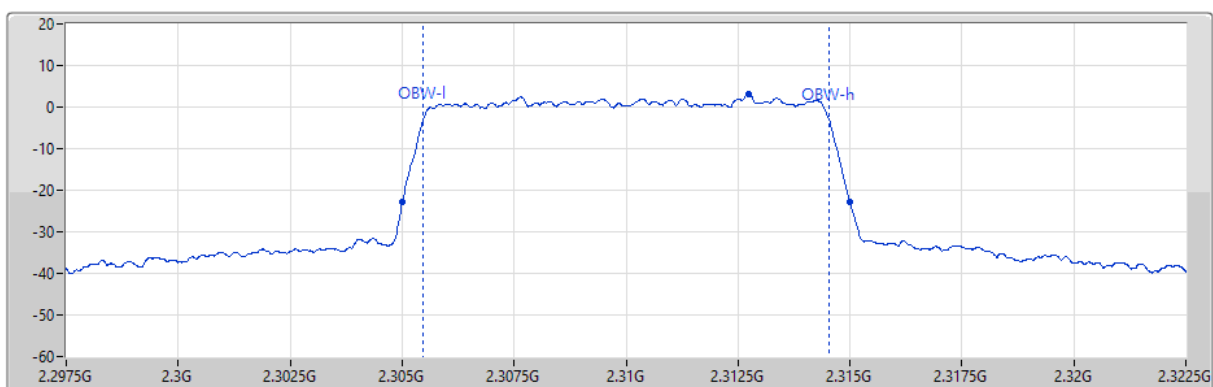


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.975M	2.305038G	2.315013G	9.02M	2.305502G	2.314523G	1	2.31G	25M	300k	1M

Band 30_LTE_10MHz_1TX

EBW

2310MHz_64QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.988M	2.305013G	2.315G	9.058M	2.305477G	2.314535G	1	2.31G	25M	300k	1M

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
Band 30	-	-	-	-	-	-	-	-	-	-	-
LTE_5MHz_QPSK_1TX	Pass	2.325G	5G	1M	3M	RMS	2.32768G	-63.05	-50.00	-13.05	-
LTE_5MHz_16QAM_1TX	Pass	2.325G	5G	1M	3M	RMS	2.33035G	-63.21	-50.00	-13.21	-
LTE_5MHz_64QAM_1TX	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.00	-50.00	-13.00	-
LTE_10MHz_QPSK_1TX	Pass	5G	23.15G	1M	3M	RMS	19.87846G	-53.23	-40.00	-13.23	-
LTE_10MHz_16QAM_1TX	Pass	5G	23.15G	1M	3M	RMS	19.89434G	-53.59	-40.00	-13.59	-
LTE_10MHz_64QAM_1TX	Pass	2.335G	5G	1M	3M	RMS	2.33767G	-63.84	-50.00	-13.84	-



Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
Band 30_LTE_5MHz_OPSK_1TX	-	-	-	-	-	-	-	-	-	-	-
2307.5MHz_RB_25#RB 0	Pass	9k	150k	1k	3k	RMS	11.679k	-82.11	-40.00	-42.11	-
2307.5MHz_RB_25#RB 0	Pass	150k	30M	10k	30k	RMS	13.971M	-79.81	-40.00	-39.81	-
2307.5MHz_RB_25#RB 0	Pass	30M	2.1G	1M	3M	RMS	1.01532G	-62.57	-40.00	-22.57	-
2307.5MHz_RB_25#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.1587G	-62.93	-40.00	-22.93	-
2307.5MHz_RB_25#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-36.29	-13.00	-23.29	MBW 1M
2307.5MHz_RB_25#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-43.28	-13.00	-30.28	-
2307.5MHz_RB_25#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31503G	-71.53	-13.00	-58.53	-
2307.5MHz_RB_25#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-61.76	-13.00	-48.76	MBW 1M
2307.5MHz_RB_25#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.33035G	-63.47	-50.00	-13.47	-
2307.5MHz_RB_25#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.86485G	-54.16	-40.00	-14.16	-
2307.5MHz_RB_1#RB L	Pass	9k	150k	1k	3k	RMS	91.344k	-76.04	-40.00	-36.04	-
2307.5MHz_RB_1#RB L	Pass	150k	30M	10k	30k	RMS	150k	-79.00	-40.00	-39.00	-
2307.5MHz_RB_1#RB L	Pass	30M	2.1G	1M	3M	RMS	1.00911G	-62.56	-40.00	-22.56	-
2307.5MHz_RB_1#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.29422G	-62.72	-40.00	-22.72	-
2307.5MHz_RB_1#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3025G	-51.99	-13.00	-38.99	MBW 1M
2307.5MHz_RB_1#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-37.34	-13.00	-24.34	-
2307.5MHz_RB_1#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.31597G	-75.78	-13.00	-62.78	-
2307.5MHz_RB_1#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3185G	-63.37	-13.00	-50.37	MBW 1M
2307.5MHz_RB_1#RB L	Pass	2.325G	5G	1M	3M	RMS	2.33838G	-63.58	-50.00	-13.58	-
2307.5MHz_RB_1#RB L	Pass	5G	23.15G	1M	3M	RMS	19.9193G	-53.89	-40.00	-13.89	-
2310MHz_RB_25#RB 0	Pass	9k	150k	1k	3k	RMS	21.126k	-83.06	-40.00	-43.06	-
2310MHz_RB_25#RB 0	Pass	150k	30M	10k	30k	RMS	3.583M	-79.37	-40.00	-39.37	-
2310MHz_RB_25#RB 0	Pass	30M	2.1G	1M	3M	RMS	959.43M	-62.37	-40.00	-22.37	-
2310MHz_RB_25#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.11053G	-62.75	-40.00	-22.75	-
2310MHz_RB_25#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-48.05	-13.00	-35.05	MBW 1M
2310MHz_RB_25#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.30498G	-51.27	-13.00	-38.27	-
2310MHz_RB_25#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31511G	-51.34	-13.00	-38.34	-
2310MHz_RB_25#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-48.22	-13.00	-35.22	MBW 1M
2310MHz_RB_25#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.34373G	-63.51	-50.00	-13.51	-
2310MHz_RB_25#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.87166G	-54.35	-40.00	-14.35	-
2310MHz_RB_1#RB L	Pass	9k	150k	1k	3k	RMS	101.637k	-76.43	-40.00	-36.43	-
2310MHz_RB_1#RB L	Pass	150k	30M	10k	30k	RMS	150k	-79.26	-40.00	-39.26	-
2310MHz_RB_1#RB L	Pass	30M	2.1G	1M	3M	RMS	982.2M	-62.38	-40.00	-22.38	-
2310MHz_RB_1#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.14739G	-62.91	-40.00	-22.91	-
2310MHz_RB_1#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-61.25	-13.00	-48.25	MBW 1M
2310MHz_RB_1#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-68.25	-13.00	-55.25	-
2310MHz_RB_1#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.316G	-75.46	-13.00	-62.46	-
2310MHz_RB_1#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-51.39	-13.00	-38.39	MBW 1M
2310MHz_RB_1#RB L	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.49	-50.00	-13.49	-
2310MHz_RB_1#RB L	Pass	5G	23.15G	1M	3M	RMS	19.86485G	-54.29	-40.00	-14.29	-
2312.5MHz_RB_25#RB 0	Pass	9k	150k	1k	3k	RMS	9.705k	-79.21	-40.00	-39.21	-
2312.5MHz_RB_25#RB 0	Pass	150k	30M	10k	30k	RMS	1.613M	-75.42	-40.00	-35.42	-
2312.5MHz_RB_25#RB 0	Pass	30M	2.1G	1M	3M	RMS	944.94M	-62.52	-40.00	-22.52	-
2312.5MHz_RB_25#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.12048G	-62.94	-40.00	-22.94	-
2312.5MHz_RB_25#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.21	-40.00	-22.21	MBW 1M
2312.5MHz_RB_25#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-72.86	-13.00	-59.86	-
2312.5MHz_RB_25#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-43.51	-13.00	-30.51	-
2312.5MHz_RB_25#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-36.83	-13.00	-23.83	MBW 1M
2312.5MHz_RB_25#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.48	-50.00	-13.48	-
2312.5MHz_RB_25#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.89888G	-54.11	-40.00	-14.11	-
2312.5MHz_RB_1#RB H	Pass	9k	150k	1k	3k	RMS	75.834k	-76.83	-40.00	-36.83	-
2312.5MHz_RB_1#RB H	Pass	150k	30M	10k	30k	RMS	150k	-73.79	-40.00	-33.79	-
2312.5MHz_RB_1#RB H	Pass	30M	2.1G	1M	3M	RMS	938.73M	-62.51	-40.00	-22.51	-
2312.5MHz_RB_1#RB H	Pass	2.1G	2.295G	1M	3M	RMS	2.12184G	-62.86	-40.00	-22.86	-
2312.5MHz_RB_1#RB H	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.21	-40.00	-22.21	MBW 1M
2312.5MHz_RB_1#RB H	Pass	2.304G	2.305G	50k	200k	RMS	2.304G	-74.09	-13.00	-61.09	-
2312.5MHz_RB_1#RB H	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-37.18	-13.00	-24.18	-
2312.5MHz_RB_1#RB H	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-50.98	-13.00	-37.98	MBW 1M
2312.5MHz_RB_1#RB H	Pass	2.325G	5G	1M	3M	RMS	2.32768G	-63.05	-50.00	-13.05	-
2312.5MHz_RB_1#RB H	Pass	5G	23.15G	1M	3M	RMS	19.89661G	-54.24	-40.00	-14.24	-
Band 30_LTE_5MHz_16QAM_1TX	-	-	-	-	-	-	-	-	-	-	-
2307.5MHz_RB_25#RB 0	Pass	9k	150k	1k	3k	RMS	17.883k	-82.65	-40.00	-42.65	-
2307.5MHz_RB_25#RB 0	Pass	150k	30M	10k	30k	RMS	3.165M	-79.02	-40.00	-39.02	-
2307.5MHz_RB_25#RB 0	Pass	30M	2.1G	1M	3M	RMS	1.02153G	-62.47	-40.00	-22.47	-
2307.5MHz_RB_25#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.13608G	-62.90	-40.00	-22.90	-
2307.5MHz_RB_25#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-37.82	-13.00	-24.82	MBW 1M
2307.5MHz_RB_25#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-44.74	-13.00	-31.74	-
2307.5MHz_RB_25#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31521G	-73.19	-13.00	-60.19	-

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
2307.5MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-62.63	-13.00	-49.63	MBW 1M
2307.5MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.33303G	-63.50	-50.00	-13.50	-
2307.5MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.92838G	-54.16	-40.00	-14.16	-
2307.5MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	13.794k	-75.97	-40.00	-35.97	-
2307.5MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	27.97M	-80.23	-40.00	-40.23	-
2307.5MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	938.73M	-62.61	-40.00	-22.61	-
2307.5MHz_RB 1,#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.1351G	-62.88	-40.00	-22.88	-
2307.5MHz_RB 1,#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3025G	-52.81	-13.00	-39.81	MBW 1M
2307.5MHz_RB 1,#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-37.73	-13.00	-24.73	-
2307.5MHz_RB 1,#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.31595G	-75.70	-13.00	-62.70	-
2307.5MHz_RB 1,#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3185G	-63.42	-13.00	-50.42	MBW 1M
2307.5MHz_RB 1,#RB L	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.32	-50.00	-13.32	-
2307.5MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	19.90115G	-54.19	-40.00	-14.19	-
2310MHz_RB 25,#RB 0	Pass	9k	150k	1k	3k	RMS	9.846k	-82.53	-40.00	-42.53	-
2310MHz_RB 25,#RB 0	Pass	150k	30M	10k	30k	RMS	22.597M	-80.51	-40.00	-40.51	-
2310MHz_RB 25,#RB 0	Pass	30M	2.1G	1M	3M	RMS	969.78M	-62.67	-40.00	-22.67	-
2310MHz_RB 25,#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.13374G	-62.86	-40.00	-22.86	-
2310MHz_RB 25,#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-51.13	-13.00	-38.13	MBW 1M
2310MHz_RB 25,#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.30496G	-53.19	-13.00	-40.19	-
2310MHz_RB 25,#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31505G	-53.10	-13.00	-40.10	-
2310MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-51.40	-13.00	-38.40	MBW 1M
2310MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.35	-50.00	-13.35	-
2310MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.88981G	-53.50	-40.00	-13.50	-
2310MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	73.014k	-76.02	-40.00	-36.02	-
2310MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	29.254M	-80.87	-40.00	-40.87	-
2310MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	955.29M	-62.57	-40.00	-22.57	-
2310MHz_RB 1,#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.29032G	-62.88	-40.00	-22.88	-
2310MHz_RB 1,#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-61.21	-13.00	-48.21	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-68.45	-13.00	-55.45	-
2310MHz_RB 1,#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.316G	-75.14	-13.00	-62.14	-
2310MHz_RB 1,#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-51.50	-13.00	-38.50	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.52	-50.00	-13.52	-
2310MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	17.88877G	-53.76	-40.00	-13.76	-
2312.5MHz_RB 25,#RB 0	Pass	9k	150k	1k	3k	RMS	13.935k	-78.00	-40.00	-38.00	-
2312.5MHz_RB 25,#RB 0	Pass	150k	30M	10k	30k	RMS	3.165M	-77.85	-40.00	-37.85	-
2312.5MHz_RB 25,#RB 0	Pass	30M	2.1G	1M	3M	RMS	1.02981G	-62.25	-40.00	-22.25	-
2312.5MHz_RB 25,#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.13413G	-62.87	-40.00	-22.87	-
2312.5MHz_RB 25,#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.23	-40.00	-22.23	MBW 1M
2312.5MHz_RB 25,#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-73.62	-13.00	-60.62	-
2312.5MHz_RB 25,#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-45.79	-13.00	-32.79	-
2312.5MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-38.48	-13.00	-25.48	MBW 1M
2312.5MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.33035G	-63.21	-50.00	-13.21	-
2312.5MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	17.86608G	-54.01	-40.00	-14.01	-
2312.5MHz_RB 1,#RB H	Pass	9k	150k	1k	3k	RMS	70.194k	-75.71	-40.00	-35.71	-
2312.5MHz_RB 1,#RB H	Pass	150k	30M	10k	30k	RMS	28.776M	-80.34	-40.00	-40.34	-
2312.5MHz_RB 1,#RB H	Pass	30M	2.1G	1M	3M	RMS	1.01532G	-62.54	-40.00	-22.54	-
2312.5MHz_RB 1,#RB H	Pass	2.1G	2.295G	1M	3M	RMS	2.13725G	-62.73	-40.00	-22.73	-
2312.5MHz_RB 1,#RB H	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.27	-40.00	-22.27	MBW 1M
2312.5MHz_RB 1,#RB H	Pass	2.304G	2.305G	50k	200k	RMS	2.304G	-73.60	-13.00	-60.60	-
2312.5MHz_RB 1,#RB H	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-37.26	-13.00	-24.26	-
2312.5MHz_RB 1,#RB H	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-52.18	-13.00	-39.18	MBW 1M
2312.5MHz_RB 1,#RB H	Pass	2.325G	5G	1M	3M	RMS	2.32768G	-63.34	-50.00	-13.34	-
2312.5MHz_RB 1,#RB H	Pass	5G	23.15G	1M	3M	RMS	19.91249G	-54.22	-40.00	-14.22	-
Band 30_LTE_5MHz_64QAM_1TX	-	-	-	-	-	-	-	-	-	-	-
2307.5MHz_RB 25,#RB 0	Pass	9k	150k	1k	3k	RMS	29.868k	-83.04	-40.00	-43.04	-
2307.5MHz_RB 25,#RB 0	Pass	150k	30M	10k	30k	RMS	20.747M	-80.26	-40.00	-40.26	-
2307.5MHz_RB 25,#RB 0	Pass	30M	2.1G	1M	3M	RMS	951.15M	-62.30	-40.00	-22.30	-
2307.5MHz_RB 25,#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.29481G	-62.91	-40.00	-22.91	-
2307.5MHz_RB 25,#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-37.99	-13.00	-24.99	MBW 1M
2307.5MHz_RB 25,#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-45.22	-13.00	-32.22	-
2307.5MHz_RB 25,#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31506G	-72.92	-13.00	-59.92	-
2307.5MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-62.76	-13.00	-49.76	MBW 1M
2307.5MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.33035G	-63.21	-50.00	-13.21	-
2307.5MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.89888G	-54.31	-40.00	-14.31	-
2307.5MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	16.614k	-76.31	-40.00	-36.31	-
2307.5MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	28.537M	-79.52	-40.00	-39.52	-
2307.5MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	992.55M	-62.63	-40.00	-22.63	-
2307.5MHz_RB 1,#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.29286G	-62.70	-40.00	-22.70	-
2307.5MHz_RB 1,#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3025G	-52.89	-13.00	-39.89	MBW 1M
2307.5MHz_RB 1,#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-38.23	-13.00	-25.23	-



Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
2307.5MHz_RB 1,#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.31597G	-75.82	-13.00	-62.82	-
2307.5MHz_RB 1,#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-63.41	-13.00	-50.41	MBW 1M
2307.5MHz_RB 1,#RB L	Pass	2.325G	5G	1M	3M	RMS	2.33035G	-63.64	-50.00	-13.64	-
2307.5MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	19.89888G	-53.85	-40.00	-13.85	-
2310MHz_RB 25,#RB 0	Pass	9k	150k	1k	3k	RMS	21.549k	-83.00	-40.00	-43.00	-
2310MHz_RB 25,#RB 0	Pass	150k	30M	10k	30k	RMS	21.821M	-79.94	-40.00	-39.94	-
2310MHz_RB 25,#RB 0	Pass	30M	2.1G	1M	3M	RMS	967.71M	-62.56	-40.00	-22.56	-
2310MHz_RB 25,#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.13881G	-62.89	-40.00	-22.89	-
2310MHz_RB 25,#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-51.54	-13.00	-38.54	MBW 1M
2310MHz_RB 25,#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.30495G	-53.12	-13.00	-40.12	-
2310MHz_RB 25,#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.31514G	-53.48	-13.00	-40.48	-
2310MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-51.93	-13.00	-38.93	MBW 1M
2310MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.32768G	-63.68	-50.00	-13.68	-
2310MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.88527G	-53.90	-40.00	-13.90	-
2310MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	30.855k	-76.44	-40.00	-36.44	-
2310MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	150k	-75.86	-40.00	-35.86	-
2310MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	984.27M	-62.50	-40.00	-22.50	-
2310MHz_RB 1,#RB L	Pass	2.1G	2.295G	1M	3M	RMS	2.12262G	-62.81	-40.00	-22.81	-
2310MHz_RB 1,#RB L	Pass	2.295G	2.304G	50k	200k	RMS	2.3035G	-61.41	-13.00	-48.41	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-69.66	-13.00	-56.66	-
2310MHz_RB 1,#RB L	Pass	2.315G	2.316G	50k	200k	RMS	2.31599G	-75.29	-13.00	-62.29	-
2310MHz_RB 1,#RB L	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-52.66	-13.00	-39.66	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.325G	5G	1M	3M	RMS	2.32768G	-63.20	-50.00	-13.20	-
2310MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	19.89434G	-53.48	-40.00	-13.48	-
2312.5MHz_RB 25,#RB 0	Pass	9k	150k	1k	3k	RMS	9.141k	-80.13	-40.00	-40.13	-
2312.5MHz_RB 25,#RB 0	Pass	150k	30M	10k	30k	RMS	20.836M	-80.68	-40.00	-40.68	-
2312.5MHz_RB 25,#RB 0	Pass	30M	2.1G	1M	3M	RMS	1.00911G	-62.47	-40.00	-22.47	-
2312.5MHz_RB 25,#RB 0	Pass	2.1G	2.295G	1M	3M	RMS	2.13978G	-62.72	-40.00	-22.72	-
2312.5MHz_RB 25,#RB 0	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.29	-40.00	-22.29	MBW 1M
2312.5MHz_RB 25,#RB 0	Pass	2.304G	2.305G	50k	200k	RMS	2.304G	-73.38	-13.00	-60.38	-
2312.5MHz_RB 25,#RB 0	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-45.63	-13.00	-32.63	-
2312.5MHz_RB 25,#RB 0	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-38.74	-13.00	-25.74	MBW 1M
2312.5MHz_RB 25,#RB 0	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.46	-50.00	-13.46	-
2312.5MHz_RB 25,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.86485G	-53.91	-40.00	-13.91	-
2312.5MHz_RB 1,#RB H	Pass	9k	150k	1k	3k	RMS	13.653k	-75.23	-40.00	-35.23	-
2312.5MHz_RB 1,#RB H	Pass	150k	30M	10k	30k	RMS	25.612M	-80.76	-40.00	-40.76	-
2312.5MHz_RB 1,#RB H	Pass	30M	2.1G	1M	3M	RMS	992.55M	-62.40	-40.00	-22.40	-
2312.5MHz_RB 1,#RB H	Pass	2.1G	2.295G	1M	3M	RMS	2.13803G	-62.83	-40.00	-22.83	-
2312.5MHz_RB 1,#RB H	Pass	2.295G	2.304G	50k	200k	RMS	2.2955G	-62.20	-40.00	-22.20	MBW 1M
2312.5MHz_RB 1,#RB H	Pass	2.304G	2.305G	50k	200k	RMS	2.30401G	-73.76	-13.00	-60.76	-
2312.5MHz_RB 1,#RB H	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-37.29	-13.00	-24.29	-
2312.5MHz_RB 1,#RB H	Pass	2.316G	2.325G	50k	200k	RMS	2.3165G	-52.03	-13.00	-39.03	MBW 1M
2312.5MHz_RB 1,#RB H	Pass	2.325G	5G	1M	3M	RMS	2.325G	-63.00	-50.00	-13.00	-
2312.5MHz_RB 1,#RB H	Pass	5G	23.15G	1M	3M	RMS	19.89208G	-54.33	-40.00	-14.33	-
Band 30_LTE_10MHz_OPSK_1TX	-	-	-	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	9k	150k	1k	3k	RMS	16.191k	-81.03	-40.00	-41.03	-
2310MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	15.493M	-79.77	-40.00	-39.77	-
2310MHz_RB 50,#RB 0	Pass	30M	2.1G	1M	3M	RMS	1.05258G	-62.50	-40.00	-22.50	-
2310MHz_RB 50,#RB 0	Pass	2.1G	2.285G	1M	3M	RMS	2.11943G	-63.00	-40.00	-23.00	-
2310MHz_RB 50,#RB 0	Pass	2.285G	2.304G	100k	300k	RMS	2.3035G	-37.45	-13.00	-24.45	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-44.91	-13.00	-31.91	-
2310MHz_RB 50,#RB 0	Pass	2.315G	2.316G	100k	300k	RMS	2.315G	-44.70	-13.00	-31.70	-
2310MHz_RB 50,#RB 0	Pass	2.316G	2.335G	100k	300k	RMS	2.3165G	-37.72	-13.00	-24.72	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.335G	5G	1M	3M	RMS	2.33767G	-63.40	-50.00	-13.40	-
2310MHz_RB 50,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.87846G	-53.23	-40.00	-13.23	-
2310MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	91.062k	-76.31	-40.00	-36.31	-
2310MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	150k	-79.66	-40.00	-39.66	-
2310MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	1.00497G	-62.15	-40.00	-22.15	-
2310MHz_RB 1,#RB L	Pass	2.1G	2.285G	1M	3M	RMS	2.14144G	-62.76	-40.00	-22.76	-
2310MHz_RB 1,#RB L	Pass	2.285G	2.304G	100k	300k	RMS	2.3025G	-52.08	-13.00	-39.08	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-46.70	-13.00	-33.70	-
2310MHz_RB 1,#RB L	Pass	2.315G	2.316G	100k	300k	RMS	2.315G	-72.12	-13.00	-59.12	-
2310MHz_RB 1,#RB L	Pass	2.316G	2.335G	100k	300k	RMS	2.3185G	-54.62	-13.00	-41.62	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.335G	5G	1M	3M	RMS	2.335G	-63.45	-50.00	-13.45	-
2310MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	19.93745G	-54.32	-40.00	-14.32	-
Band 30_LTE_10MHz_16QAM_1TX	-	-	-	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	9k	150k	1k	3k	RMS	17.037k	-82.48	-40.00	-42.48	-
2310MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	26.896M	-80.16	-40.00	-40.16	-
2310MHz_RB 50,#RB 0	Pass	30M	2.1G	1M	3M	RMS	982.2M	-62.49	-40.00	-22.49	-
2310MHz_RB 50,#RB 0	Pass	2.1G	2.285G	1M	3M	RMS	2.14144G	-62.86	-40.00	-22.86	-

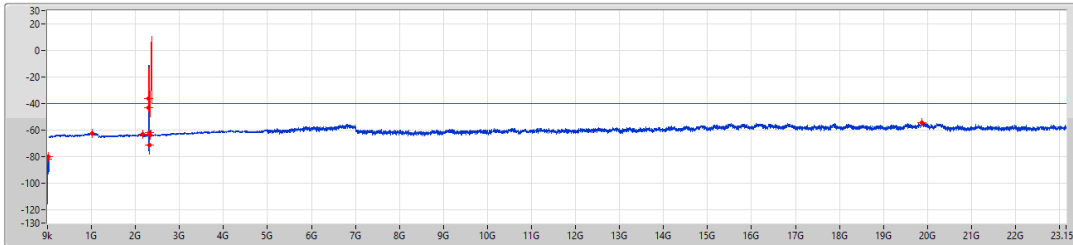


Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
2310MHz_RB 50,#RB 0	Pass	2.285G	2.304G	100k	300k	RMS	2.3035G	-39.03	-13.00	-26.03	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-46.90	-13.00	-33.90	-
2310MHz_RB 50,#RB 0	Pass	2.315G	2.316G	100k	300k	RMS	2.315G	-46.79	-13.00	-33.79	-
2310MHz_RB 50,#RB 0	Pass	2.316G	2.335G	100k	300k	RMS	2.3165G	-39.14	-13.00	-26.14	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.335G	5G	1M	3M	RMS	2.343G	-63.65	-50.00	-13.65	-
2310MHz_RB 50,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.92157G	-53.96	-40.00	-13.96	-
2310MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	74.424k	-76.53	-40.00	-36.53	-
2310MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	150k	-75.12	-40.00	-35.12	-
2310MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	975.99M	-62.19	-40.00	-22.19	-
2310MHz_RB 1,#RB L	Pass	2.1G	2.285G	1M	3M	RMS	2.15939G	-62.78	-40.00	-22.78	-
2310MHz_RB 1,#RB L	Pass	2.285G	2.304G	100k	300k	RMS	2.3025G	-53.01	-13.00	-40.01	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-47.17	-13.00	-34.17	-
2310MHz_RB 1,#RB L	Pass	2.315G	2.316G	100k	300k	RMS	2.315G	-71.98	-13.00	-58.98	-
2310MHz_RB 1,#RB L	Pass	2.316G	2.335G	100k	300k	RMS	2.3185G	-55.53	-13.00	-42.53	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.335G	5G	1M	3M	RMS	2.33767G	-63.65	-50.00	-13.65	-
2310MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	19.89434G	-53.59	-40.00	-13.59	-
Band 30_LTE_10MHz_64QAM_1TX	-	-	-	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0	Pass	9k	150k	1k	3k	RMS	11.538k	-82.44	-40.00	-42.44	-
2310MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	18.508M	-80.52	-40.00	-40.52	-
2310MHz_RB 50,#RB 0	Pass	30M	2.1G	1M	3M	RMS	957.36M	-62.37	-40.00	-22.37	-
2310MHz_RB 50,#RB 0	Pass	2.1G	2.285G	1M	3M	RMS	2.12868G	-62.95	-40.00	-22.95	-
2310MHz_RB 50,#RB 0	Pass	2.285G	2.304G	100k	300k	RMS	2.3035G	-39.31	-13.00	-26.31	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-47.09	-13.00	-34.09	-
2310MHz_RB 50,#RB 0	Pass	2.315G	2.316G	100k	300k	RMS	2.315G	-46.89	-13.00	-33.89	-
2310MHz_RB 50,#RB 0	Pass	2.316G	2.335G	100k	300k	RMS	2.3165G	-39.55	-13.00	-26.55	MBW 1M
2310MHz_RB 50,#RB 0	Pass	2.335G	5G	1M	3M	RMS	2.34033G	-63.87	-50.00	-13.87	-
2310MHz_RB 50,#RB 0	Pass	5G	23.15G	1M	3M	RMS	19.89888G	-54.06	-40.00	-14.06	-
2310MHz_RB 1,#RB L	Pass	9k	150k	1k	3k	RMS	21.267k	-76.87	-40.00	-36.87	-
2310MHz_RB 1,#RB L	Pass	150k	30M	10k	30k	RMS	25.791M	-79.73	-40.00	-39.73	-
2310MHz_RB 1,#RB L	Pass	30M	2.1G	1M	3M	RMS	969.78M	-62.48	-40.00	-22.48	-
2310MHz_RB 1,#RB L	Pass	2.1G	2.285G	1M	3M	RMS	2.14366G	-62.77	-40.00	-22.77	-
2310MHz_RB 1,#RB L	Pass	2.285G	2.304G	100k	300k	RMS	2.3025G	-53.03	-13.00	-40.03	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.304G	2.305G	100k	300k	RMS	2.305G	-47.86	-13.00	-34.86	-
2310MHz_RB 1,#RB L	Pass	2.315G	2.316G	100k	300k	RMS	2.31542G	-73.02	-13.00	-60.02	-
2310MHz_RB 1,#RB L	Pass	2.316G	2.335G	100k	300k	RMS	2.3185G	-55.91	-13.00	-42.91	MBW 1M
2310MHz_RB 1,#RB L	Pass	2.335G	5G	1M	3M	RMS	2.33767G	-63.84	-50.00	-13.84	-
2310MHz_RB 1,#RB L	Pass	5G	23.15G	1M	3M	RMS	20.25281G	-54.34	-40.00	-14.34	-

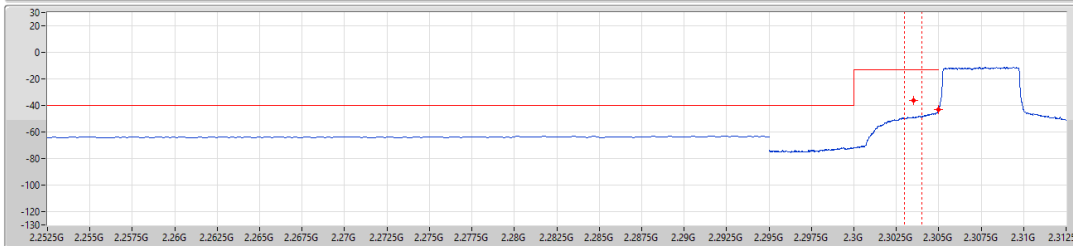
Band 30_LTE_5MHz_1TX
2307.5MHz_QPSK_RB 25,#RB 0

CSE-TX-Sum

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Port 1

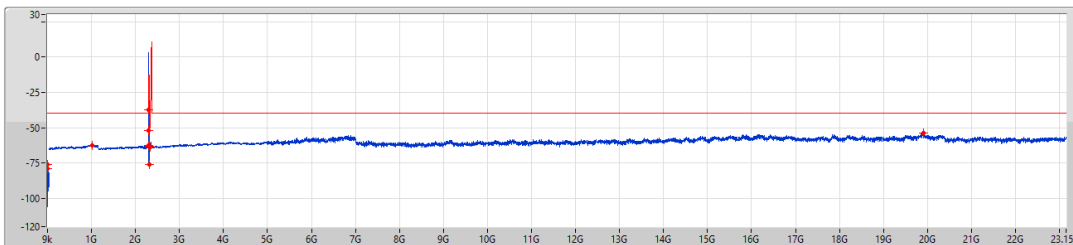


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	11.679k	-82.11	-40.00	-42.11	-	-
150k	30M	10k	30k	RMS	13.971M	-79.81	-40.00	-39.81	-	-
30M	2.1G	1M	3M	RMS	1.01532G	-62.57	-40.00	-22.57	-	-
2.1G	2.295G	1M	3M	RMS	2.1587G	-62.93	-40.00	-22.93	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-36.29	-13.00	-23.29	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-43.28	-13.00	-30.28	-	-
2.315G	2.316G	50k	200k	RMS	2.31503G	-71.53	-13.00	-58.53	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-61.76	-13.00	-48.76	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33035G	-63.47	-50.00	-13.47	-	-
5G	23.15G	1M	3M	RMS	19.86485G	-54.16	-40.00	-14.16	-	-

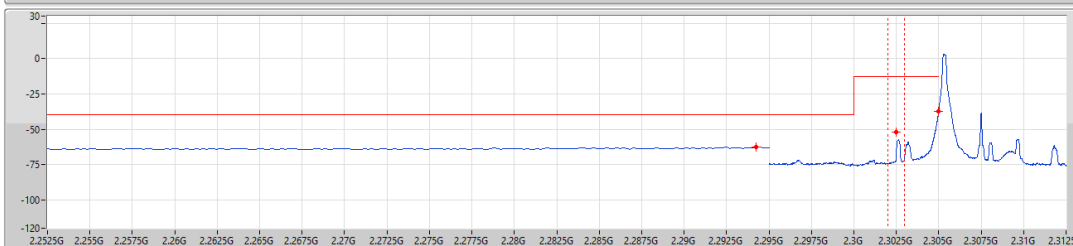
Band 30_LTE_5MHz_1TX
2307.5MHz_QPSK_RB 1,#RB L

CSE-TX-Sum

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Limit
Port 1

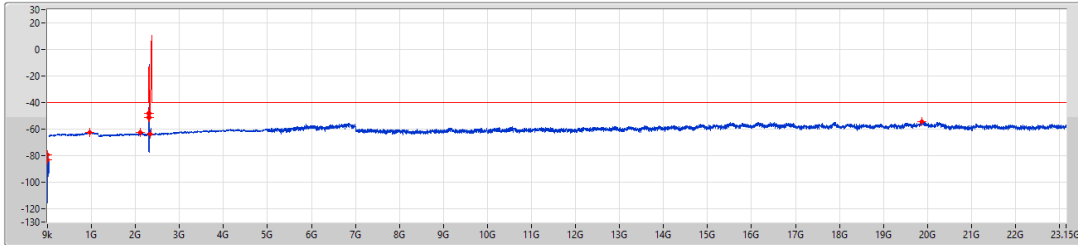


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	91.344k	-76.04	-40.00	-36.04	-	-
150k	30M	10k	30k	RMS	150k	-79.00	-40.00	-39.00	-	-
30M	2.1G	1M	3M	RMS	1.00911G	-62.56	-40.00	-22.56	-	-
2.1G	2.295G	1M	3M	RMS	2.29422G	-62.72	-40.00	-22.72	-	-
2.295G	2.304G	50k	200k	RMS	2.3025G	-51.99	-13.00	-38.99	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-37.34	-13.00	-24.34	-	-
2.315G	2.316G	50k	200k	RMS	2.31597G	-75.78	-13.00	-62.78	-	-
2.316G	2.325G	50k	200k	RMS	2.3185G	-63.37	-13.00	-50.37	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33838G	-63.58	-50.00	-13.58	-	-
5G	23.15G	1M	3M	RMS	19.9193G	-53.89	-40.00	-13.89	-	-

Band 30_LTE_5MHz_1TX
2310MHz_QPSK_RB 25,#RB 0

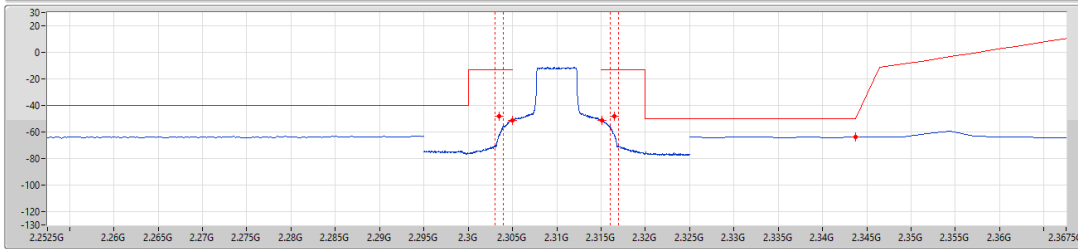
CSE-TX-Sum

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Limit

Port 1

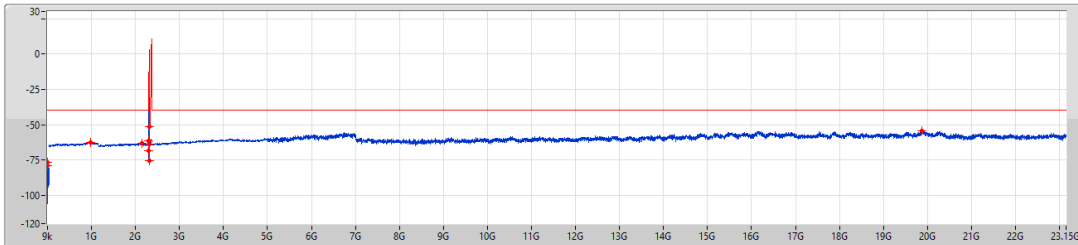


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	21.126k	-83.06	-40.00	-43.06	-	-
150k	30M	10k	30k	RMS	3.583M	-79.37	-40.00	-39.37	-	-
30M	2.1G	1M	3M	RMS	959.43M	-62.37	-40.00	-22.37	-	-
2.1G	2.295G	1M	3M	RMS	2.11053G	-62.75	-40.00	-22.75	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-48.05	-13.00	-35.05	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30498G	-51.27	-13.00	-38.27	-	-
2.315G	2.316G	50k	200k	RMS	2.31511G	-51.34	-13.00	-38.34	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-48.22	-13.00	-35.22	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.34379G	-63.51	-50.00	-13.51	-	-
5G	23.15G	1M	3M	RMS	19.87166G	-54.35	-40.00	-14.35	-	-

Band 30_LTE_5MHz_1TX
2310MHz_QPSK_RB 1,#RB L

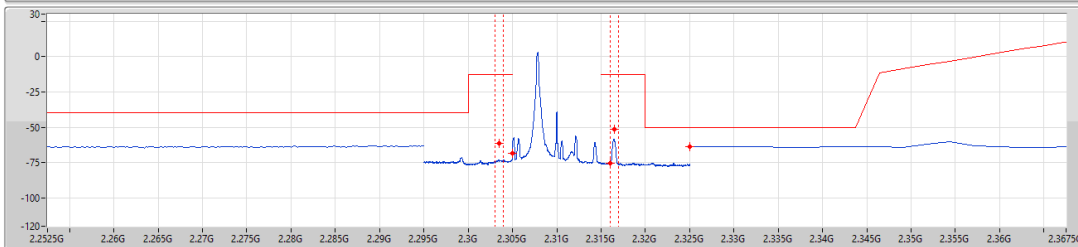
CSE-TX-Sum

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Limit

Port 1

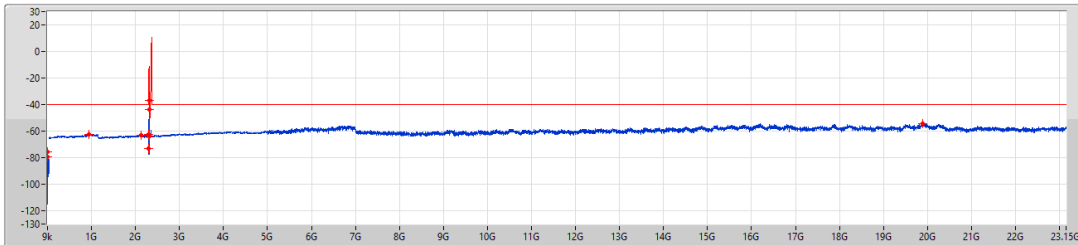


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	101.637k	-76.43	-40.00	-36.43	-	-
150k	30M	10k	30k	RMS	150k	-79.26	-40.00	-39.26	-	-
30M	2.1G	1M	3M	RMS	982.2M	-62.38	-40.00	-22.38	-	-
2.1G	2.295G	1M	3M	RMS	2.14739G	-62.91	-40.00	-22.91	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-61.25	-13.00	-48.25	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-68.25	-13.00	-55.25	-	-
2.315G	2.316G	50k	200k	RMS	2.316G	-75.46	-13.00	-62.46	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-51.39	-13.00	-38.39	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.49	-50.00	-13.49	-	-
5G	23.15G	1M	3M	RMS	19.86485G	-54.29	-40.00	-14.29	-	-

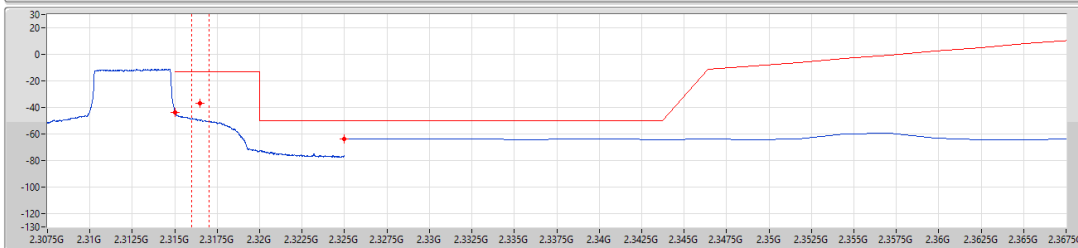
Band 30_LTE_5MHz_1TX
2312.5MHz_QPSK_RB 25,#RB 0

CSE-TX-Sum

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Limit
Port 1

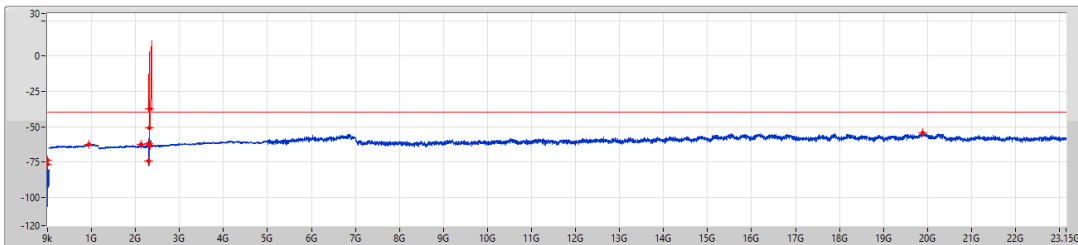


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	9.705k	-79.21	-40.00	-39.21	-	-
150k	30M	10k	30k	RMS	1.613M	-75.42	-40.00	-35.42	-	-
30M	2.1G	1M	3M	RMS	944.94M	-62.52	-40.00	-22.52	-	-
2.1G	2.295G	1M	3M	RMS	2.12048G	-62.94	-40.00	-22.94	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.21	-40.00	-22.21	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-72.86	-13.00	-59.86	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-43.51	-13.00	-30.51	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-36.83	-13.00	-23.83	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.48	-50.00	-13.48	-	-
5G	23.15G	1M	3M	RMS	19.89888G	-54.11	-40.00	-14.11	-	-

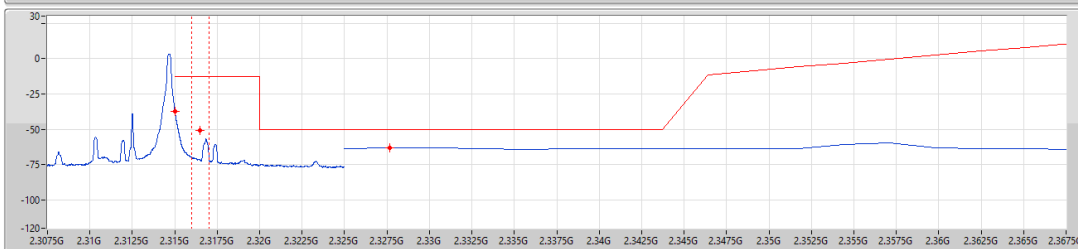
Band 30_LTE_5MHz_1TX
2312.5MHz_QPSK_RB 1,#RB H

CSE-TX-Sum

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Limit
Port 1

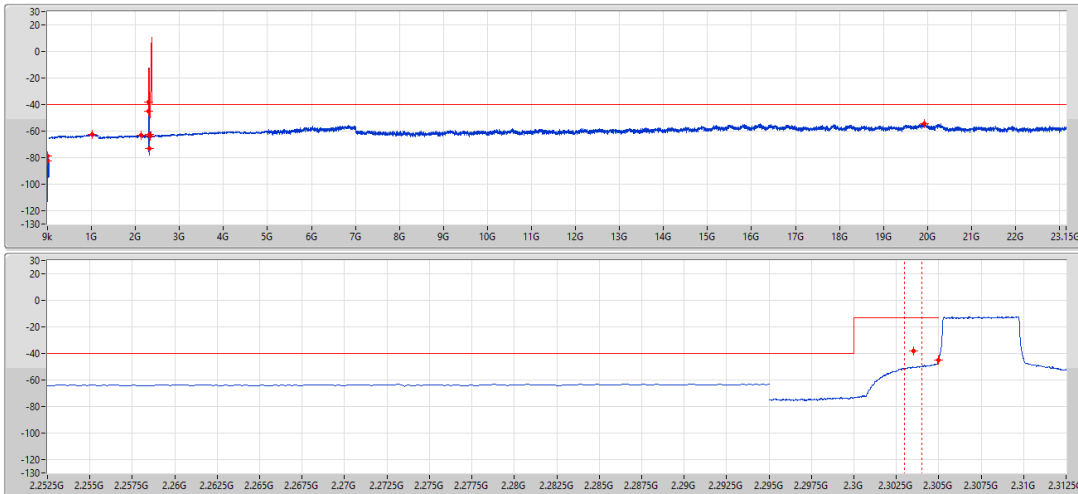


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	75.834k	-76.83	-40.00	-36.83	-	-
150k	30M	10k	30k	RMS	150k	-73.79	-40.00	-33.79	-	-
30M	2.1G	1M	3M	RMS	938.73M	-62.51	-40.00	-22.51	-	-
2.1G	2.295G	1M	3M	RMS	2.12184G	-62.86	-40.00	-22.86	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.21	-40.00	-22.21	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.304G	-74.09	-13.00	-61.09	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-37.18	-13.00	-24.18	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-30.98	-13.00	-17.98	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.32768G	-63.05	-50.00	-13.05	-	-
5G	23.15G	1M	3M	RMS	19.89661G	-54.24	-40.00	-14.24	-	-

Band 30_LTE_5MHz_1TX
2307.5MHz_16QAM_RB 25,#RB 0

CSE-TX-Sum

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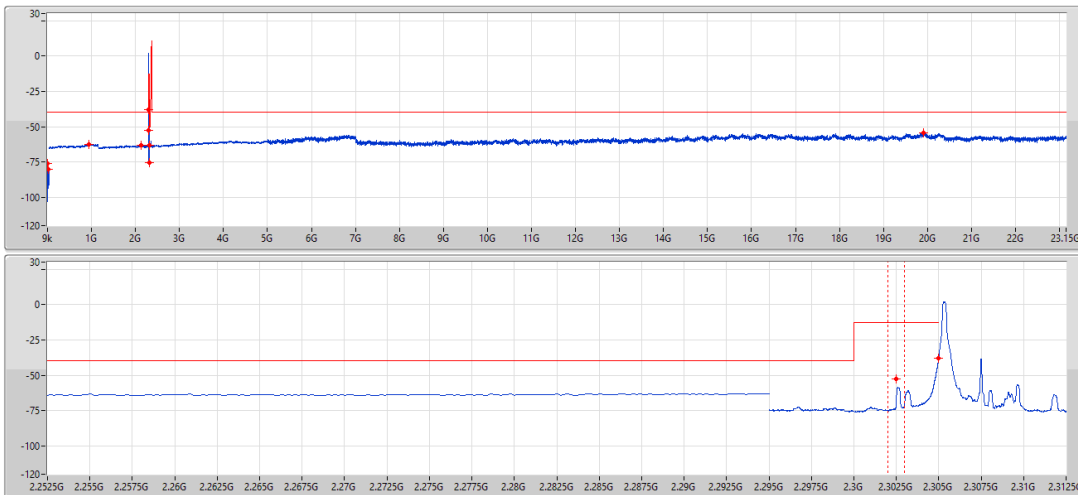


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	17.883k	-82.65	-40.00	-42.65	-	-
150k	30M	10k	30k	RMS	3.165M	-79.02	-40.00	-39.02	-	-
30M	2.1G	1M	3M	RMS	1.02153G	-62.47	-40.00	-22.47	-	-
2.1G	2.295G	1M	3M	RMS	2.13608G	-62.90	-40.00	-22.90	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-37.82	-13.00	-24.82	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-44.74	-13.00	-31.74	-	-
2.315G	2.316G	50k	200k	RMS	2.31521G	-73.19	-13.00	-60.19	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-62.63	-13.00	-49.63	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33303G	-63.50	-50.00	-13.50	-	-
5G	23.15G	1M	3M	RMS	19.92838G	-54.16	-40.00	-14.16	-	-

Band 30_LTE_5MHz_1TX
2307.5MHz_16QAM_RB 1,#RB L

CSE-TX-Sum

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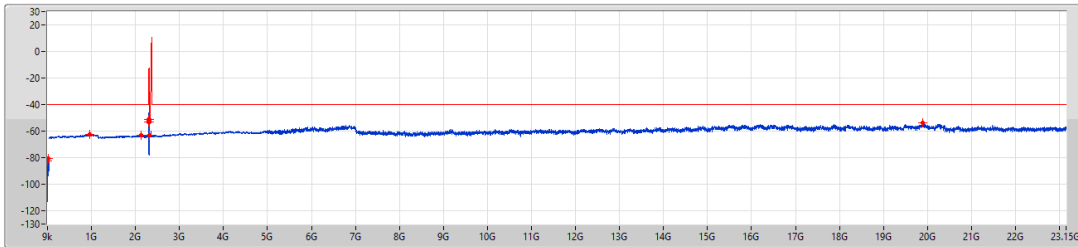


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	13.794k	-75.97	-40.00	-35.97	-	-
150k	30M	10k	30k	RMS	27.97M	-80.23	-40.00	-40.23	-	-
30M	2.1G	1M	3M	RMS	938.73M	-62.61	-40.00	-22.61	-	-
2.1G	2.295G	1M	3M	RMS	2.1351G	-62.88	-40.00	-22.88	-	-
2.295G	2.304G	50k	200k	RMS	2.3025G	-52.81	-13.00	-39.81	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-37.73	-13.00	-24.73	-	-
2.315G	2.316G	50k	200k	RMS	2.31595G	-75.70	-13.00	-62.70	-	-
2.316G	2.325G	50k	200k	RMS	2.3185G	-63.42	-13.00	-50.42	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.32	-50.00	-13.32	-	-
5G	23.15G	1M	3M	RMS	19.90115G	-54.19	-40.00	-14.19	-	-

Band 30_LTE_5MHz_1TX
2310MHz_16QAM_RB 25,#RB 0

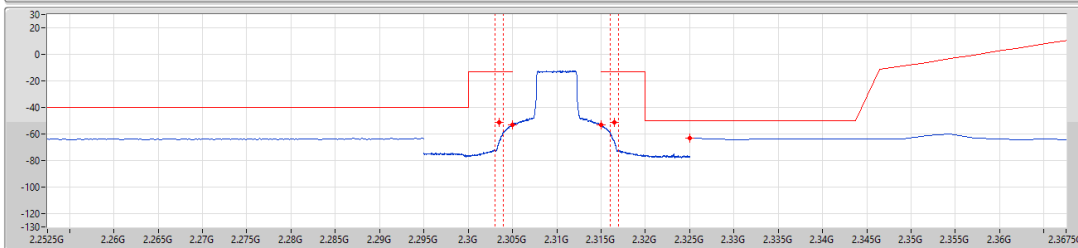
CSE-TX-Sum

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Limit

Port 1

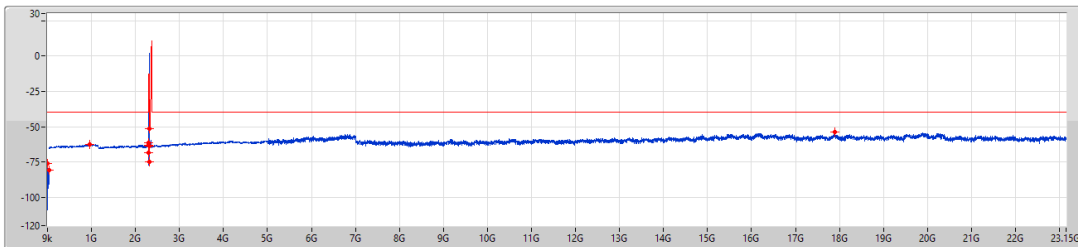


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	9.846k	-82.53	-40.00	-42.53	-	-
150k	30M	10k	30k	RMS	22.597M	-80.51	-40.00	-40.51	-	-
30M	2.1G	1M	3M	RMS	969.78M	-62.67	-40.00	-22.67	-	-
2.1G	2.295G	1M	3M	RMS	2.13374G	-62.86	-40.00	-22.86	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-51.13	-13.00	-38.13	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30496G	-53.19	-13.00	-40.19	-	-
2.315G	2.316G	50k	200k	RMS	2.31505G	-53.10	-13.00	-40.10	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-51.40	-13.00	-38.40	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.35	-50.00	-13.35	-	-
5G	23.15G	1M	3M	RMS	19.88981G	-33.50	-40.00	-13.50	-	-

Band 30_LTE_5MHz_1TX
2310MHz_16QAM_RB 1,#RB L

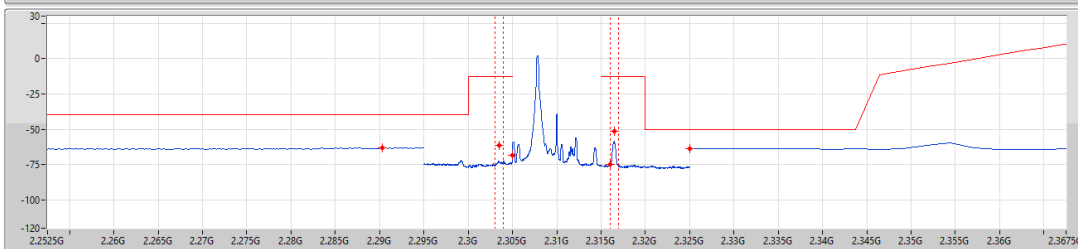
CSE-TX-Sum

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Limit

Port 1



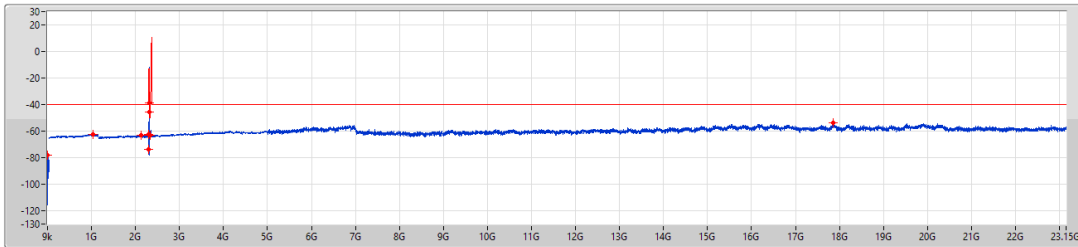
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	73.014k	-76.02	-40.00	-36.02	-	-
150k	30M	10k	30k	RMS	29.254M	-80.87	-40.00	-40.87	-	-
30M	2.1G	1M	3M	RMS	955.29M	-62.57	-40.00	-22.57	-	-
2.1G	2.295G	1M	3M	RMS	2.29032G	-62.88	-40.00	-22.88	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-61.21	-13.00	-48.21	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-68.45	-13.00	-55.45	-	-
2.315G	2.316G	50k	200k	RMS	2.316G	-75.14	-13.00	-62.14	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-51.50	-13.00	-38.50	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.52	-50.00	-13.52	-	-
5G	23.15G	1M	3M	RMS	17.88877G	-53.76	-40.00	-13.76	-	-

Band 30_LTE_5MHz_1TX

2312.5MHz_16QAM_RB 25,#RB 0

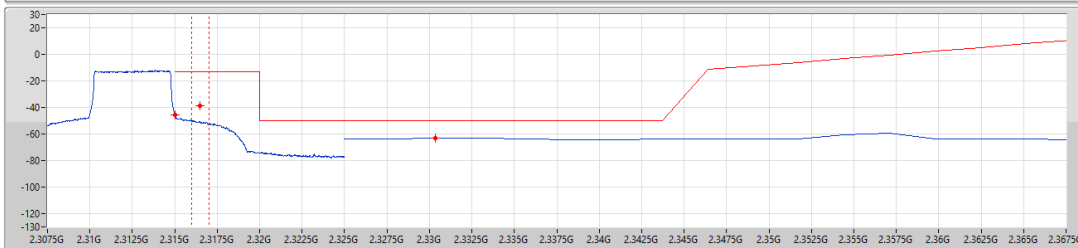
CSE-TX-Sum

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Limit

Port 1



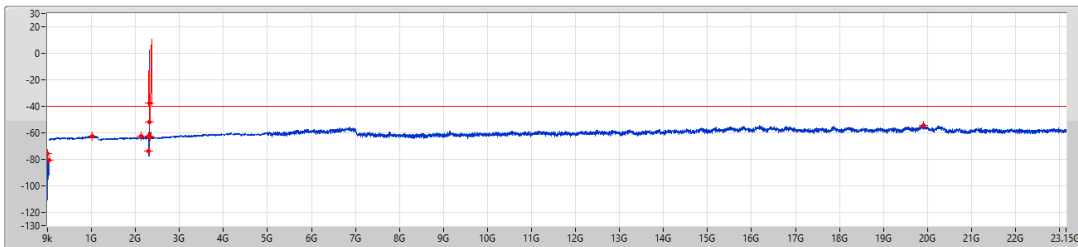
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	13.935k	-78.00	-40.00	-38.00	-	-
150k	30M	10k	30k	RMS	3.165M	-77.85	-40.00	-37.85	-	-
30M	2.1G	1M	3M	RMS	1.02981G	-62.25	-40.00	-22.25	-	-
2.1G	2.295G	1M	3M	RMS	2.13413G	-62.87	-40.00	-22.87	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.23	-40.00	-22.23	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-73.62	-13.00	-60.62	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-45.79	-13.00	-32.79	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-38.48	-13.00	-25.48	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33035G	-63.21	-50.00	-13.21	-	-
5G	23.15G	1M	3M	RMS	17.86608G	-54.01	-40.00	-14.01	-	-

Band 30_LTE_5MHz_1TX

2312.5MHz_16QAM_RB 1,#RB H

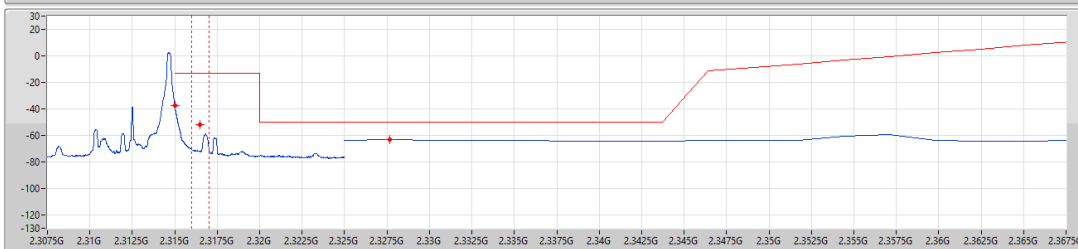
CSE-TX-Sum

30/10/2023



Limit

Port 1

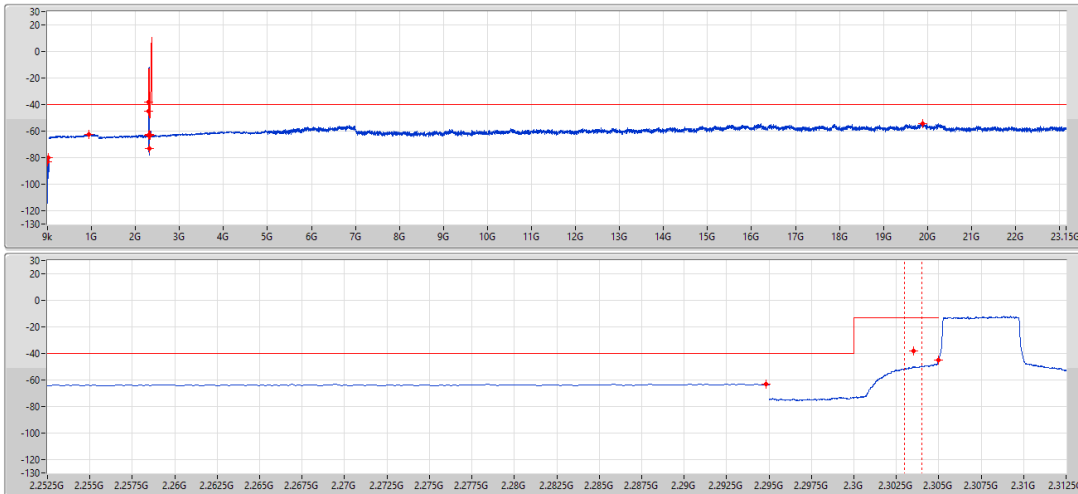


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	70.194k	-75.71	-40.00	-35.71	-	-
150k	30M	10k	30k	RMS	28.776M	-80.34	-40.00	-40.34	-	-
30M	2.1G	1M	3M	RMS	1.01532G	-62.54	-40.00	-22.54	-	-
2.1G	2.295G	1M	3M	RMS	2.13725G	-62.73	-40.00	-22.73	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.27	-40.00	-22.27	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.304G	-73.60	-13.00	-60.60	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-37.26	-13.00	-24.26	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-32.18	-13.00	-19.18	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.32768G	-63.34	-50.00	-13.34	-	-
5G	23.15G	1M	3M	RMS	19.91249G	-54.22	-40.00	-14.22	-	-

Band 30_LTE_5MHz_1TX
2307.5MHz_64QAM_RB 25,#RB 0

CSE-TX-Sum

30/10/2023

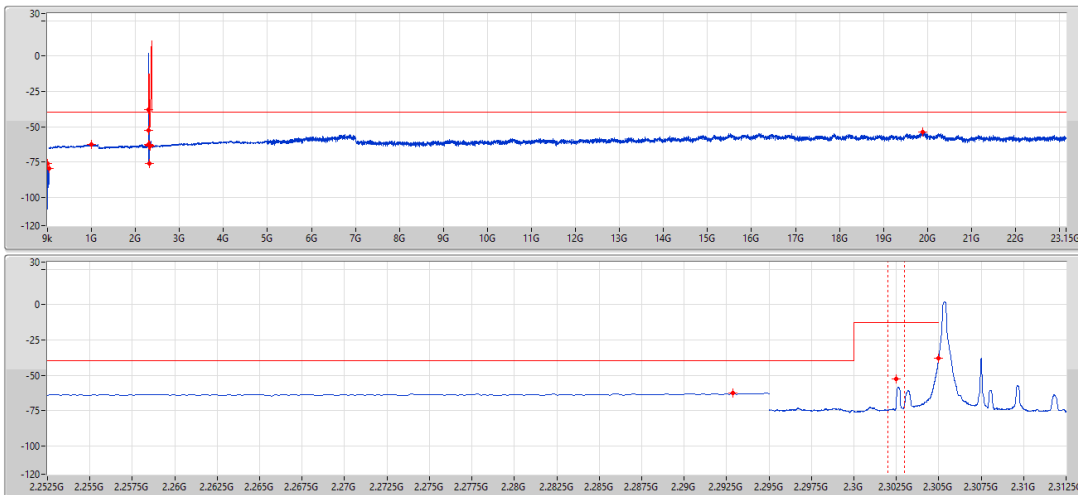


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	29.868k	-83.04	-40.00	-43.04	-	-
150k	30M	10k	30k	RMS	20.747M	-80.26	-40.00	-40.26	-	-
30M	2.1G	1M	3M	RMS	951.15M	-62.30	-40.00	-22.30	-	-
2.1G	2.295G	1M	3M	RMS	2.29481G	-62.91	-40.00	-22.91	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-37.99	-13.00	-24.99	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-45.22	-13.00	-32.22	-	-
2.315G	2.316G	50k	200k	RMS	2.31506G	-72.92	-13.00	-59.92	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-62.76	-13.00	-49.76	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33035G	-63.21	-50.00	-13.21	-	-
5G	23.15G	1M	3M	RMS	19.89888G	-54.31	-40.00	-14.31	-	-

Band 30_LTE_5MHz_1TX
2307.5MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

30/10/2023

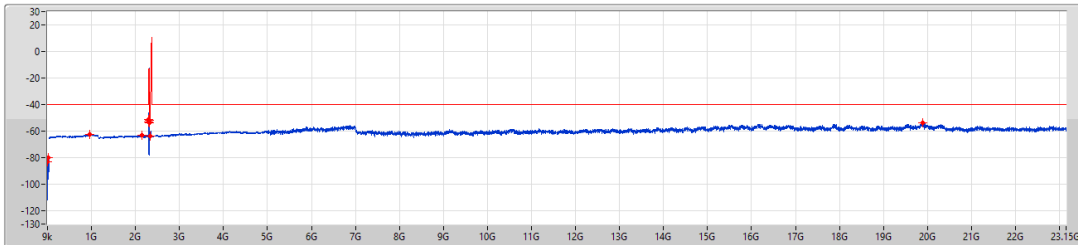


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	16.614k	-76.31	-40.00	-36.31	-	-
150k	30M	10k	30k	RMS	28.537M	-79.52	-40.00	-39.52	-	-
30M	2.1G	1M	3M	RMS	992.55M	-62.63	-40.00	-22.63	-	-
2.1G	2.295G	1M	3M	RMS	2.29286G	-62.70	-40.00	-22.70	-	-
2.295G	2.304G	50k	200k	RMS	2.3025G	-52.89	-13.00	-39.89	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-38.23	-13.00	-25.23	-	-
2.315G	2.316G	50k	200k	RMS	2.31597G	-75.82	-13.00	-62.82	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-63.41	-13.00	-50.41	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.33035G	-63.64	-50.00	-13.64	-	-
5G	23.15G	1M	3M	RMS	19.89888G	-53.85	-40.00	-13.85	-	-

Band 30_LTE_5MHz_1TX
2310MHz_64QAM_RB 25,#RB 0

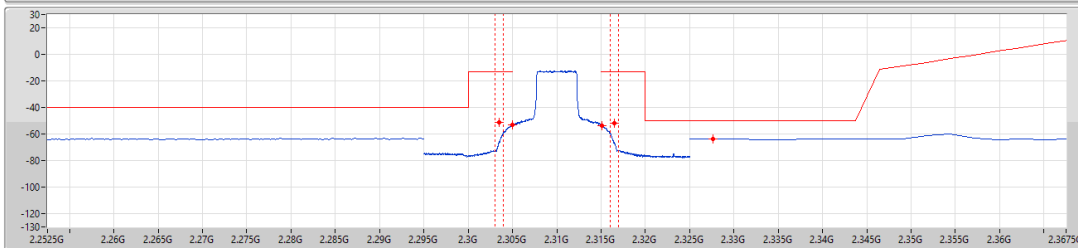
CSE-TX-Sum

30/10/2023



Limit

Port 1

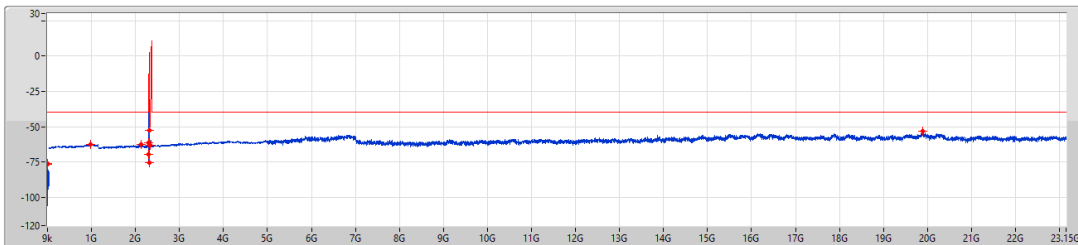


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	21.549k	-83.00	-40.00	-43.00	-	-
150k	30M	10k	30k	RMS	21.821M	-79.94	-40.00	-39.94	-	-
30M	2.1G	1M	3M	RMS	967.71M	-62.56	-40.00	-22.56	-	-
2.1G	2.295G	1M	3M	RMS	2.13881G	-62.89	-40.00	-22.89	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-51.54	-13.00	-38.54	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30495G	-53.12	-13.00	-40.12	-	-
2.315G	2.316G	50k	200k	RMS	2.31514G	-53.48	-13.00	-40.48	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-51.93	-13.00	-38.93	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.32768G	-63.66	-50.00	-13.66	-	-
5G	23.15G	1M	3M	RMS	19.88527G	-53.90	-40.00	-13.90	-	-

Band 30_LTE_5MHz_1TX
2310MHz_64QAM_RB 1,#RB L

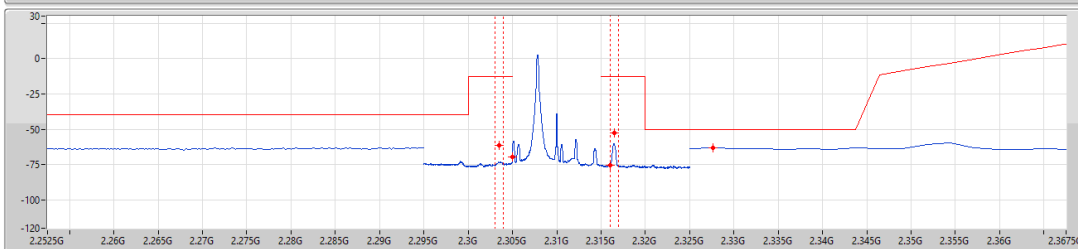
CSE-TX-Sum

30/10/2023



Limit

Port 1

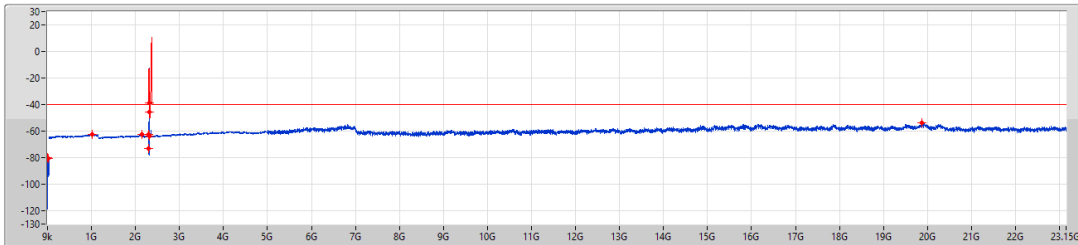


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	30.855k	-76.44	-40.00	-36.44	-	-
150k	30M	10k	30k	RMS	150k	-75.86	-40.00	-35.86	-	-
30M	2.1G	1M	3M	RMS	984.27M	-62.50	-40.00	-22.50	-	-
2.1G	2.295G	1M	3M	RMS	2.12262G	-62.81	-40.00	-22.81	-	-
2.295G	2.304G	50k	200k	RMS	2.3035G	-61.41	-13.00	-48.41	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-69.66	-13.00	-56.66	-	-
2.315G	2.316G	50k	200k	RMS	2.31599G	-75.29	-13.00	-62.29	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-53.66	-13.00	-39.66	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.32768G	-63.20	-50.00	-13.20	-	-
5G	23.15G	1M	3M	RMS	19.89434G	-53.48	-40.00	-13.48	-	-

Band 30_LTE_5MHz_1TX
2312.5MHz_64QAM_RB 25,#RB 0

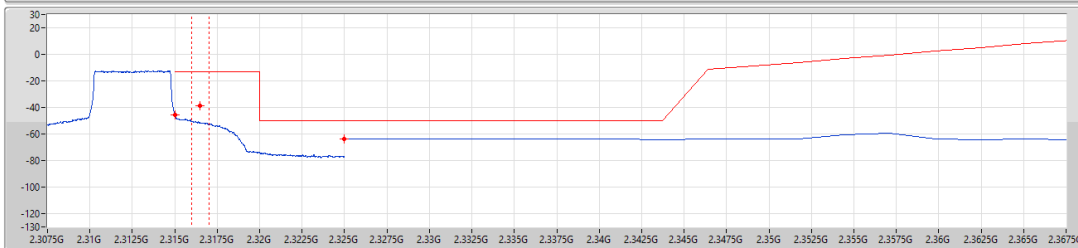
CSE-TX-Sum

30/10/2023



Limit

Port 1

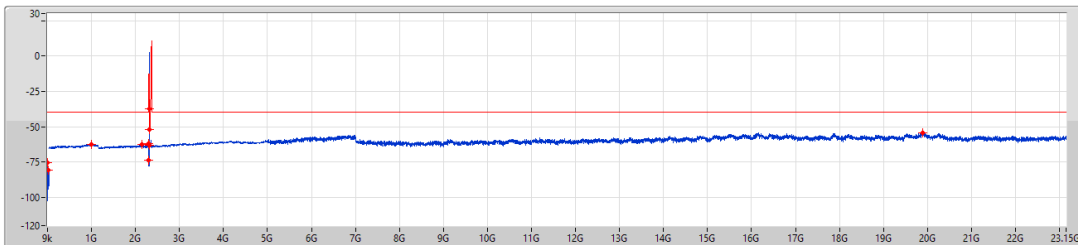


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	9.141k	-80.13	-40.00	-40.13	-	-
150k	30M	10k	30k	RMS	20.836M	-80.68	-40.00	-40.68	-	-
30M	2.1G	1M	3M	RMS	1.00911G	-62.47	-40.00	-22.47	-	-
2.1G	2.295G	1M	3M	RMS	2.13978G	-62.72	-40.00	-22.72	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.29	-40.00	-22.29	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.304G	-73.38	-13.00	-60.38	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-45.63	-13.00	-32.63	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-38.74	-13.00	-25.74	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.46	-50.00	-13.46	-	-
5G	23.15G	1M	3M	RMS	19.66485G	-53.91	-40.00	-13.91	-	-

Band 30_LTE_5MHz_1TX
2312.5MHz_64QAM_RB 1,#RB H

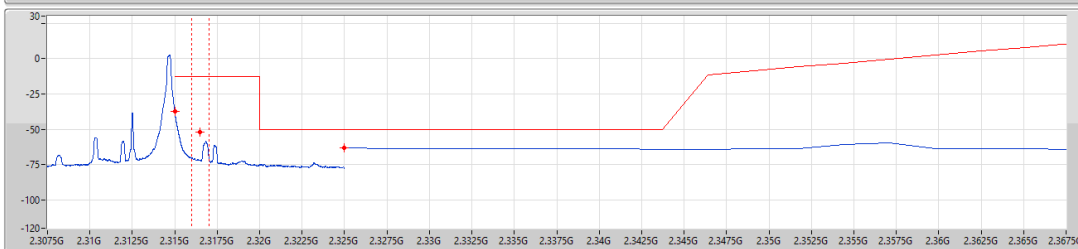
CSE-TX-Sum

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Limit

Port 1

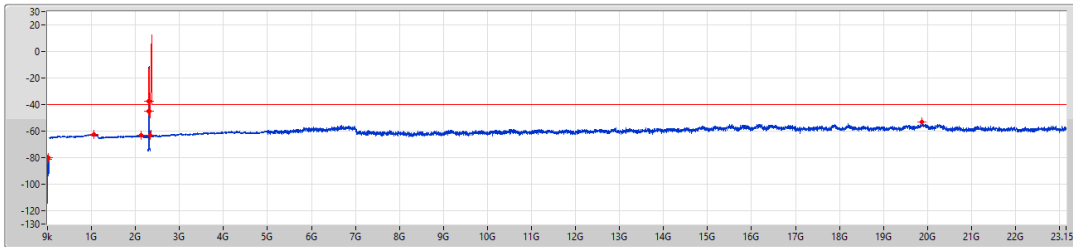


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	13.653k	-75.23	-40.00	-35.23	-	-
150k	30M	10k	30k	RMS	25.612M	-80.76	-40.00	-40.76	-	-
30M	2.1G	1M	3M	RMS	992.55M	-62.40	-40.00	-22.40	-	-
2.1G	2.295G	1M	3M	RMS	2.13803G	-62.83	-40.00	-22.83	-	-
2.295G	2.304G	50k	200k	RMS	2.2955G	-62.20	-40.00	-22.20	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30401G	-73.76	-13.00	-60.76	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-37.29	-13.00	-24.29	-	-
2.316G	2.325G	50k	200k	RMS	2.3165G	-52.03	-13.00	-39.03	MBW 1M	-
2.325G	5G	1M	3M	RMS	2.325G	-63.00	-50.00	-13.00	-	-
5G	23.15G	1M	3M	RMS	19.69208G	-54.33	-40.00	-14.33	-	-

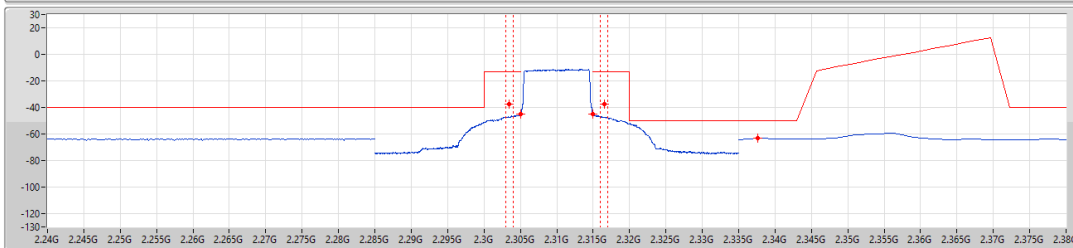
Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 50,#RB 0

CSE-TX-Sum

30/10/2023



Limit
Port 1

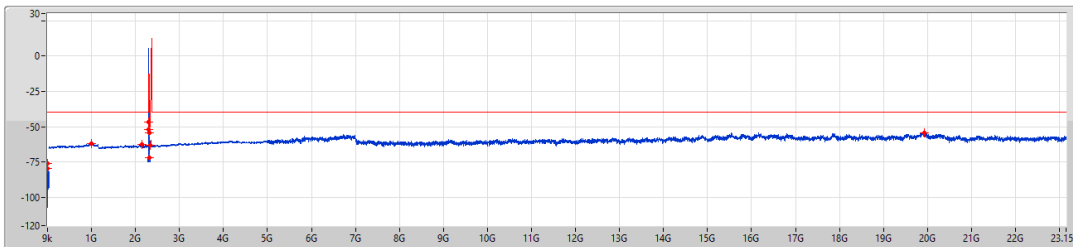


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	16.191k	-81.03	-40.00	-41.03	-	-
150k	30M	10k	30k	RMS	15.493M	-79.77	-40.00	-39.77	-	-
30M	2.1G	1M	3M	RMS	1.05258G	-62.50	-40.00	-22.50	-	-
2.1G	2.285G	1M	3M	RMS	2.11943G	-63.00	-40.00	-23.00	-	-
2.285G	2.304G	100k	300k	RMS	2.3035G	-37.45	-13.00	-24.45	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-44.91	-13.00	-31.91	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-44.70	-13.00	-31.70	-	-
2.316G	2.335G	100k	300k	RMS	2.3165G	-37.72	-13.00	-24.72	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.33767G	-63.40	-50.00	-13.40	-	-
5G	23.15G	1M	3M	RMS	19.87846G	-53.23	-40.00	-13.23	-	-

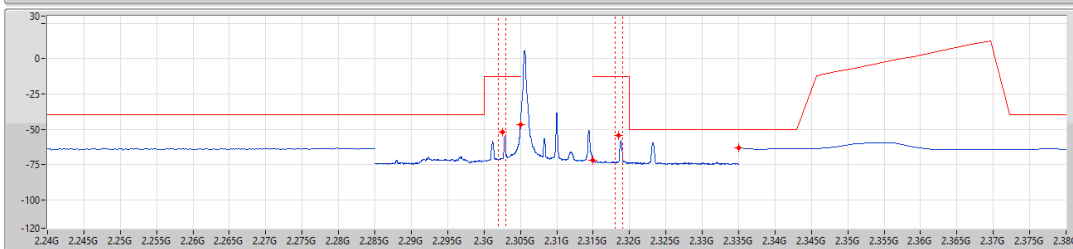
Band 30_LTE_10MHz_1TX
2310MHz_QPSK_RB 1,#RB L

CSE-TX-Sum

30/10/2023



Limit
Port 1

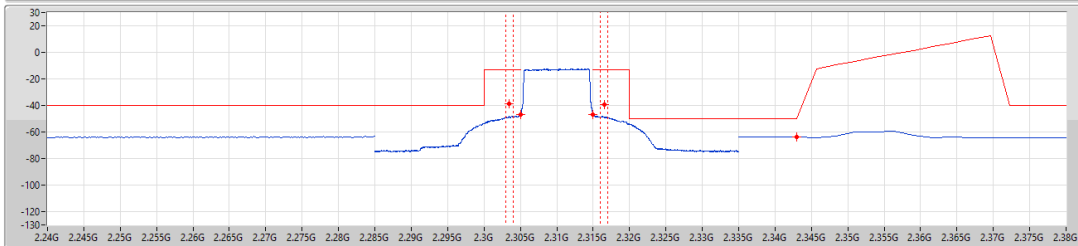
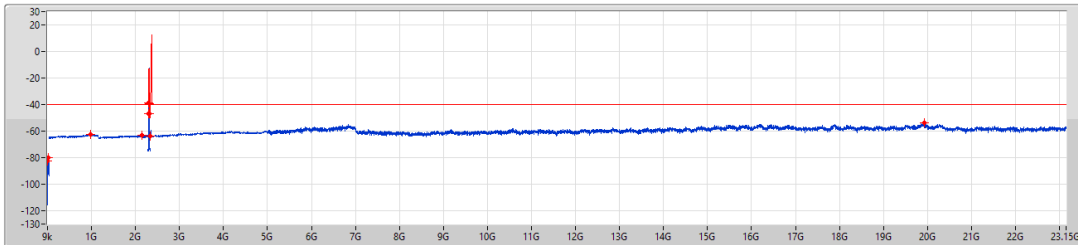


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	91.062k	-76.31	-40.00	-36.31	-	-
150k	30M	10k	30k	RMS	150k	-79.66	-40.00	-39.66	-	-
30M	2.1G	1M	3M	RMS	1.00497G	-62.15	-40.00	-22.15	-	-
2.1G	2.285G	1M	3M	RMS	2.14144G	-62.76	-40.00	-22.76	-	-
2.285G	2.304G	100k	300k	RMS	2.3025G	-52.08	-13.00	-39.08	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-46.70	-13.00	-33.70	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-72.12	-13.00	-59.12	-	-
2.316G	2.335G	100k	300k	RMS	2.3165G	-54.62	-13.00	-41.62	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.335G	-63.45	-50.00	-13.45	-	-
5G	23.15G	1M	3M	RMS	19.93745G	-54.32	-40.00	-14.32	-	-

Band 30_LTE_10MHz_1TX
2310MHz_16QAM_RB 50,#RB 0

CSE-TX-Sum

30/10/2023

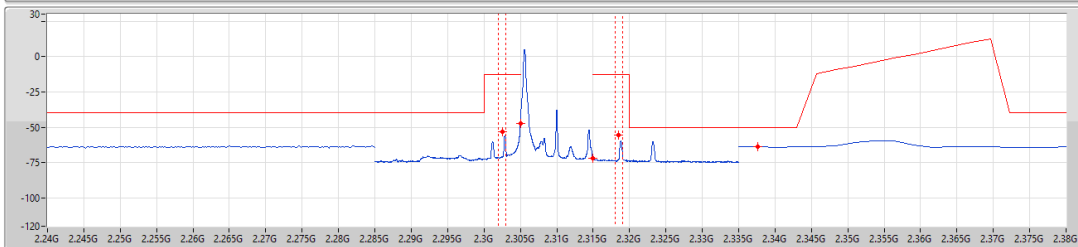
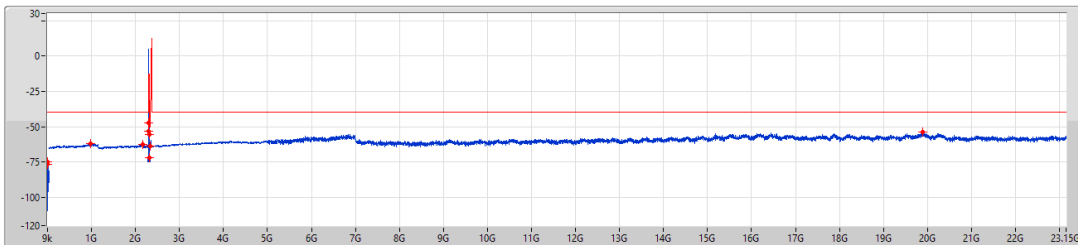


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	17.037k	-82.48	-40.00	-42.48	-	-
150k	30M	10k	30k	RMS	26.896M	-80.16	-40.00	-40.16	-	-
30M	2.1G	1M	3M	RMS	982.2M	-62.49	-40.00	-22.49	-	-
2.1G	2.285G	1M	3M	RMS	2.14144G	-62.86	-40.00	-22.86	-	-
2.285G	2.304G	100k	300k	RMS	2.3035G	-39.03	-13.00	-26.03	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-46.90	-13.00	-33.90	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-46.79	-13.00	-33.79	-	-
2.316G	2.335G	100k	300k	RMS	2.3165G	-39.14	-13.00	-26.14	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.340G	-63.65	-50.00	-13.65	-	-
5G	23.15G	1M	3M	RMS	19.92157G	-53.96	-40.00	-13.96	-	-

Band 30_LTE_10MHz_1TX
2310MHz_16QAM_RB 1,#RB L

CSE-TX-Sum

30/10/2023

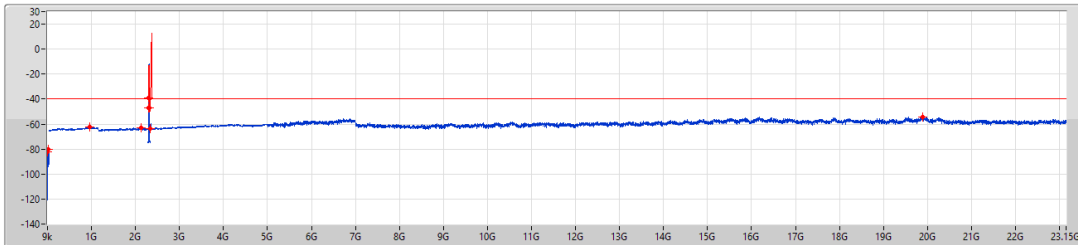


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	74.424k	-76.53	-40.00	-36.53	-	-
150k	30M	10k	30k	RMS	150k	-75.12	-40.00	-35.12	-	-
30M	2.1G	1M	3M	RMS	975.99M	-62.19	-40.00	-22.19	-	-
2.1G	2.285G	1M	3M	RMS	2.15939G	-62.78	-40.00	-22.78	-	-
2.285G	2.304G	100k	300k	RMS	2.3025G	-53.01	-13.00	-40.01	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-47.17	-13.00	-34.17	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-71.98	-13.00	-58.98	-	-
2.316G	2.335G	100k	300k	RMS	2.3185G	-55.53	-13.00	-42.53	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.33767G	-63.65	-50.00	-13.65	-	-
5G	23.15G	1M	3M	RMS	19.89434G	-53.59	-40.00	-13.59	-	-

Band 30_LTE_10MHz_1TX
2310MHz_64QAM_RB 50,#RB 0

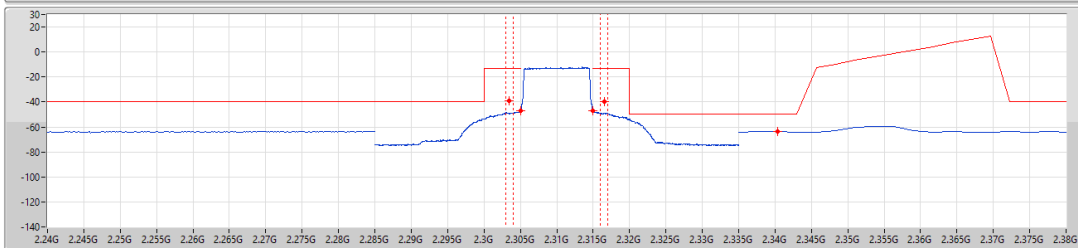
CSE-TX-Sum

30/10/2023



Limit

Port 1

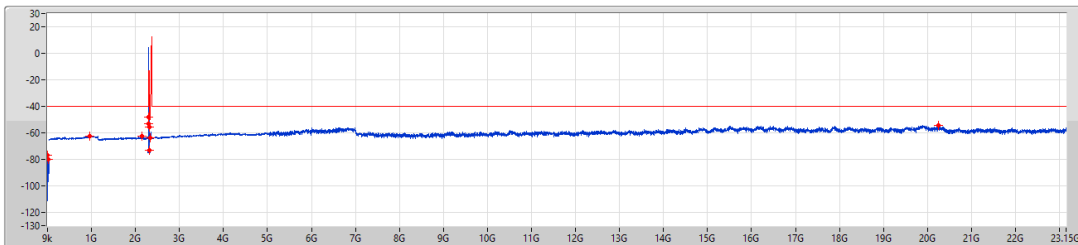


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	11.538k	-82.44	-40.00	-42.44	-	-
150k	30M	10k	30k	RMS	18.508M	-80.52	-40.00	-40.52	-	-
30M	2.1G	1M	3M	RMS	957.36M	-62.37	-40.00	-22.37	-	-
2.1G	2.285G	1M	3M	RMS	2.12868G	-62.95	-40.00	-22.95	-	-
2.285G	2.304G	100k	300k	RMS	2.3035G	-39.31	-13.00	-26.31	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-47.09	-13.00	-34.09	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-46.89	-13.00	-33.89	-	-
2.316G	2.335G	100k	300k	RMS	2.3165G	-39.55	-13.00	-26.55	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.34033G	-63.87	-50.00	-13.87	-	-
5G	23.15G	1M	3M	RMS	19.89888G	-54.06	-40.00	-14.06	-	-

Band 30_LTE_10MHz_1TX
2310MHz_64QAM_RB 1,#RB L

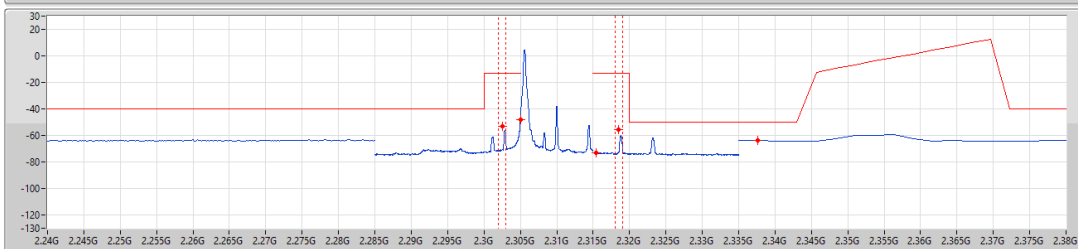
CSE-TX-Sum

30/10/2023



Limit

Port 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	1k	3k	RMS	21.267k	-76.87	-40.00	-36.87	-	-
150k	30M	10k	30k	RMS	25.791M	-79.73	-40.00	-39.73	-	-
30M	2.1G	1M	3M	RMS	969.78M	-62.48	-40.00	-22.48	-	-
2.1G	2.285G	1M	3M	RMS	2.14366G	-62.77	-40.00	-22.77	-	-
2.285G	2.304G	100k	300k	RMS	2.3025G	-53.03	-13.00	-40.03	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-47.86	-13.00	-34.86	-	-
2.315G	2.316G	100k	300k	RMS	2.31542G	-73.02	-13.00	-60.02	-	-
2.316G	2.335G	100k	300k	RMS	2.3185G	-55.91	-13.00	-42.91	MBW 1M	-
2.335G	5G	1M	3M	RMS	2.33767G	-63.84	-50.00	-13.84	-	-
5G	23.15G	1M	3M	RMS	20.25281G	-54.34	-40.00	-14.34	-	-



**Traffic: Radiated Spurious Emission Above 1GHz
(Mode 1: LTE + Ant. 1)**

Appendix F.1

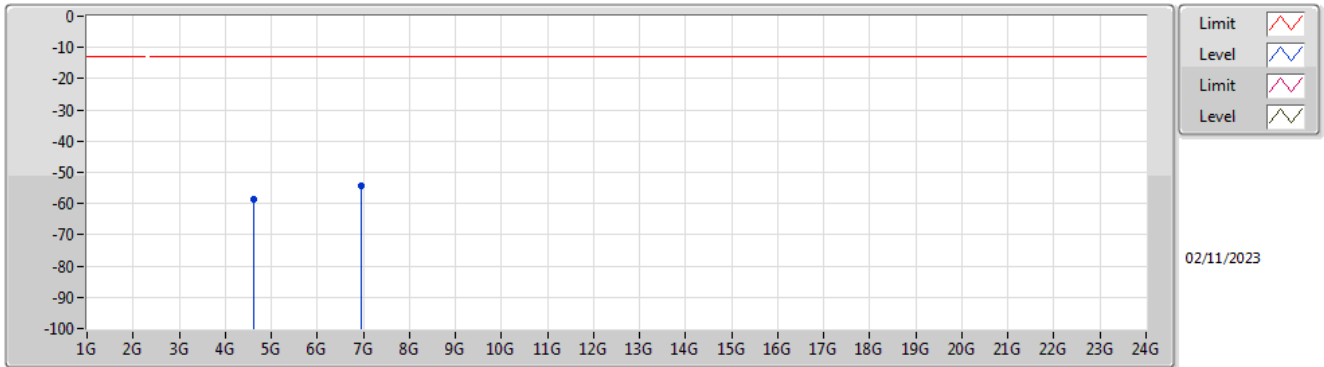
Summary




Mode	Result	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition
Band 30	-	-	-	-	-	-	-
LTE_10MHz_QPSK	Pass	6.94028G	-54.24	-13.00	-41.24	13.32	Vertical

DG = Directional Gain; Port n = Port n output power

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic



Limit 
 Level 
 Limit 
 Level 

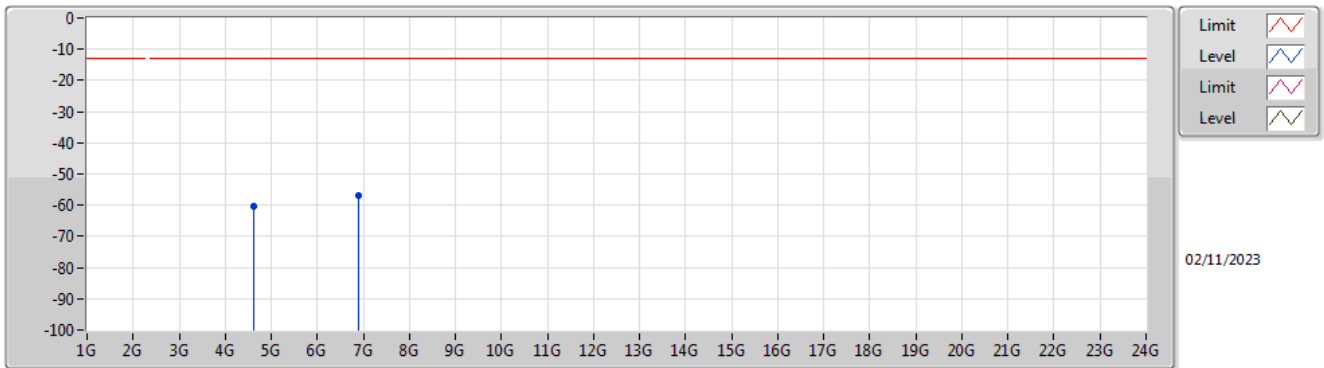
02/11/2023


EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62043G	-58.47	-13.00	-45.47	8.34	Vertical	-66.81
6.94028G	-54.24	-13.00	-41.24	13.32	Vertical	-67.56

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic



Limit 
 Level 
 Limit 
 Level 

02/11/2023

EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62172G	-60.33	-13.00	-47.33	6.99	Horizontal	-67.32
6.90628G	-56.71	-13.00	-43.71	10.59	Horizontal	-67.30



**Traffic: Radiated Spurious Emission Above 1GHz
(Mode 2: LTE + Ant. 2)**

Appendix F.2

Summary

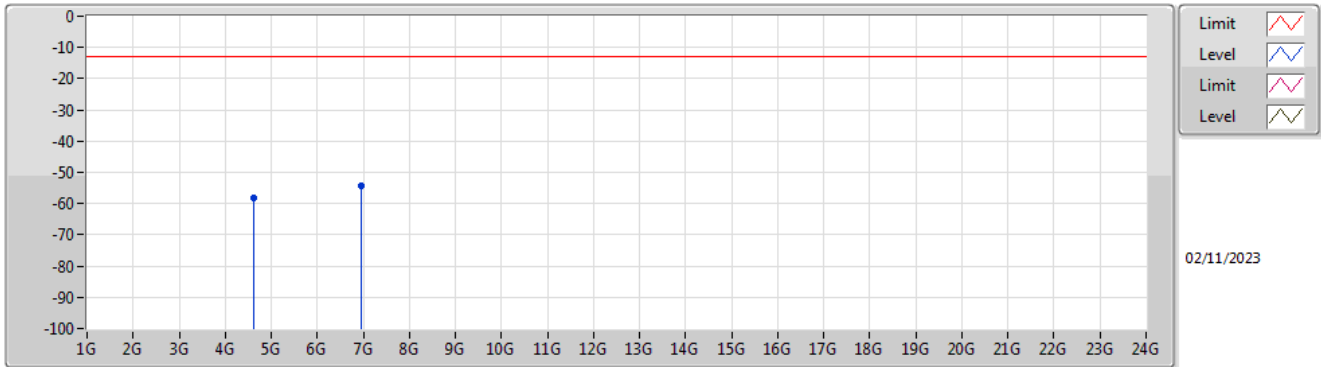
Mode	Result	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition
Band 30	-	-	-	-	-	-	-
LTE_10MHz_QPSK	Pass	6.94042G	-54.28	-13.00	-41.28	13.32	Vertical

DG = Directional Gain; Port n = Port n output power

DG = Directional Gain; Port n = Port n output power

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic

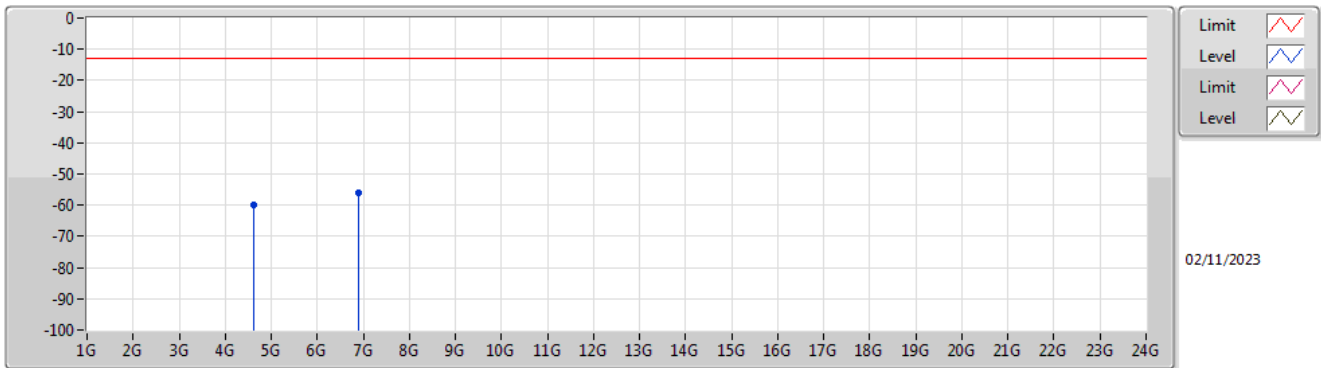


EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62055G	-58.35	-13.00	-45.35	8.34	Vertical	-66.69
6.94042G	-54.28	-13.00	-41.28	13.32	Vertical	-67.60

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic



EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62157G	-60.08	-13.00	-47.08	6.99	Horizontal	-67.07
6.90619G	-56.22	-13.00	-43.22	10.59	Horizontal	-66.81



**Traffic: Radiated Spurious Emission Above 1GHz
(Mode 3: LTE + Ant. 3)**

Appendix F.3

Summary

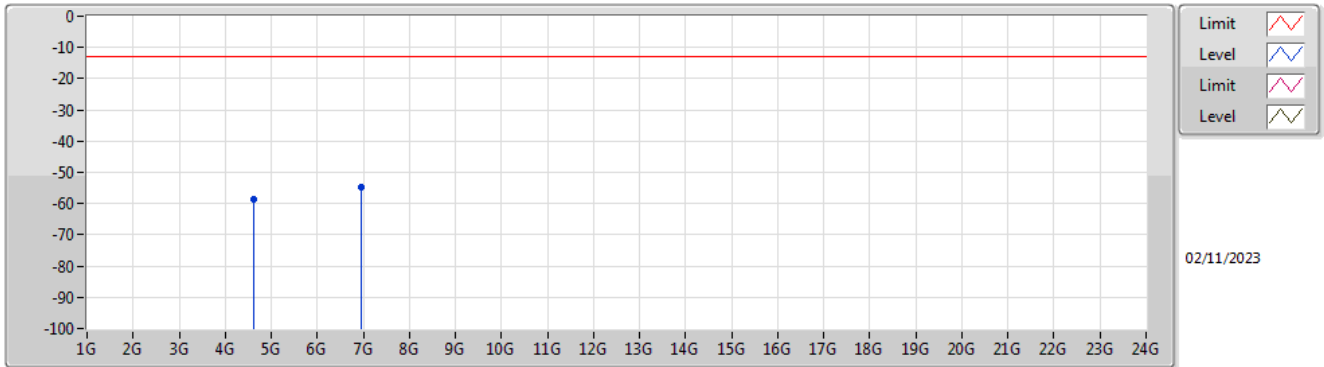
Mode	Result	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition
Band 30	-	-	-	-	-	-	-
LTE_10MHz_QPSK	Pass	6.94034G	-54.77	-13.00	-41.77	13.32	Vertical

DG = Directional Gain; Port n = Port n output power

DG = Directional Gain; Port n = Port n output power

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic

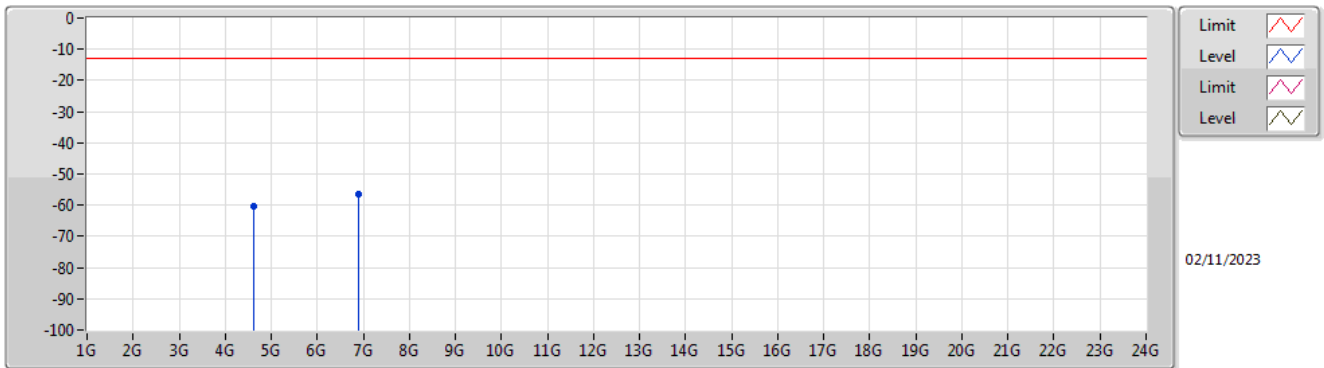


EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62071G	-58.71	-13.00	-45.71	8.34	Vertical	-67.05
6.94034G	-54.77	-13.00	-41.77	13.32	Vertical	-68.09

Band 30_LTE_10MHz_QPSK

2310MHz_Traffic



EUT X
Setting default
05-M-M-2

Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Condition	Raw (dBm)
4.62183G	-60.22	-13.00	-47.22	6.99	Horizontal	-67.21
6.90667G	-56.51	-13.00	-43.51	10.59	Horizontal	-67.10



Summary

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 30	-	-	-	-	-	-	-	-	-
LTE_10MHz_1TX	Pass	2.31G	2.310011G	2.305538G	2.314484G	0.001	2.305G,2.315G,Inf	1	5 min



Result

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 30_LTE_10MHz_1TX	-	-	-	-	-	-	-	-	-
2310MHz_RB 50,#RB 0_-30°C	Pass	2.31G	2.310005G	2.305538G	2.314471G	0.0026	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_-30°C	Pass	2.31G	2.310005G	2.305538G	2.314471G	0.0035	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_-30°C	Pass	2.31G	2.310008G	2.30554G	2.314477G	0.0043	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_-30°C	Pass	2.31G	2.310009G	2.305538G	2.314481G	0.0025	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_-20°C	Pass	2.31G	2.310009G	2.305538G	2.314481G	0.001	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_-20°C	Pass	2.31G	2.310008G	2.30554G	2.314477G	-0.0008	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_-20°C	Pass	2.31G	2.310008G	2.305538G	2.314479G	-0.0009	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_-20°C	Pass	2.31G	2.310002G	2.305536G	2.314468G	-0.0001	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_-10°C	Pass	2.31G	2.310012G	2.305547G	2.314477G	-0.0005	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_-10°C	Pass	2.31G	2.310007G	2.30554G	2.314473G	-0.0016	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_-10°C	Pass	2.31G	2.310006G	2.305536G	2.314475G	-0.0002	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_-10°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0006	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_0°C	Pass	2.31G	2.310012G	2.305542G	2.314483G	0.0037	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_0°C	Pass	2.31G	2.310005G	2.305542G	2.314468G	0.0032	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_0°C	Pass	2.31G	2.310011G	2.305542G	2.314481G	0.0015	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_0°C	Pass	2.31G	2.310008G	2.305544G	2.314473G	0.0015	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_10°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0003	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_10°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0016	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_10°C	Pass	2.31G	2.310011G	2.305544G	2.314479G	0.0018	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_10°C	Pass	2.31G	2.310009G	2.305542G	2.314477G	0.0042	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_20°C	Pass	2.31G	2.310007G	2.305538G	2.314477G	-0.0027	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_20°C	Pass	2.31G	2.310007G	2.30554G	2.314473G	-0.001	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_20°C	Pass	2.31G	2.310005G	2.305538G	2.314471G	-0.001	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_20°C	Pass	2.31G	2.310009G	2.30554G	2.314479G	-0.001	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_30°C	Pass	2.31G	2.310008G	2.30554G	2.314477G	0.0001	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_30°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0003	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_30°C	Pass	2.31G	2.310011G	2.305538G	2.314484G	0.001	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_30°C	Pass	2.31G	2.310009G	2.305544G	2.314475G	-0.0023	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_40°C	Pass	2.31G	2.310009G	2.30554G	2.314479G	0.0028	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_40°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0016	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_40°C	Pass	2.31G	2.310011G	2.30554G	2.314483G	0.0006	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_40°C	Pass	2.31G	2.310004G	2.305538G	2.314469G	-0.0003	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_50°C	Pass	2.31G	2.310009G	2.305542G	2.314477G	0.0043	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_50°C	Pass	2.31G	2.310011G	2.305546G	2.314477G	0.003	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_50°C	Pass	2.31G	2.310012G	2.30554G	2.314484G	0.0026	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_50°C	Pass	2.31G	2.310007G	2.30554G	2.314475G	0.0023	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_130V	Pass	2.31G	2.310005G	2.30554G	2.314469G	-0.0028	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_130V	Pass	2.31G	2.310008G	2.305542G	2.314475G	0.004	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_130V	Pass	2.31G	2.310009G	2.30554G	2.314479G	0	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_130V	Pass	2.31G	2.310007G	2.30554G	2.314475G	-0.0019	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_120V	Pass	2.31G	2.310009G	2.305542G	2.314477G	0.005	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_120V	Pass	2.31G	2.310009G	2.30554G	2.314479G	0.0012	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_120V	Pass	2.31G	2.310007G	2.305536G	2.314477G	-0.0011	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_120V	Pass	2.31G	2.310007G	2.305538G	2.314475G	0.0023	2.305G,2.315G,Inf	1	10 min
2310MHz_RB 50,#RB 0_102V	Pass	2.31G	2.310007G	2.305536G	2.314479G	-0.0007	2.305G,2.315G,Inf	1	0 min
2310MHz_RB 50,#RB 0_102V	Pass	2.31G	2.31001G	2.305538G	2.314483G	-0.0001	2.305G,2.315G,Inf	1	2 min
2310MHz_RB 50,#RB 0_102V	Pass	2.31G	2.310007G	2.30554G	2.314473G	-0.0026	2.305G,2.315G,Inf	1	5 min
2310MHz_RB 50,#RB 0_102V	Pass	2.31G	2.31001G	2.305544G	2.314477G	0.0035	2.305G,2.315G,Inf	1	10 min