

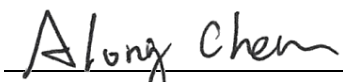
FCC Test Report

FCC ID : 2A7G3XS5G01
Equipment : 5G SOM
Model No. : XS5G01-GB0
(refer to item 1.1.1 for more details)
Brand Name : XSquare
Applicant : XSquare Communications Corporation
Address : NO.6 INNOVATION ROAD II, SCIENCE PARK,
HSINCHU 30076, TAIWAN, R.O.C
Standard : 47 CFR FCC Part 27
Received Date : Dec. 01, 2022
Tested Date : Dec. 23, 2022 ~ Feb. 09, 2023

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

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LTE Band 30

APPENDIX A.1 TEST RESULTS FOR EIRP POWER DENSITY

APPENDIX B.1 TEST RESULTS FOR E RADIATED EMISSIONS

APPENDIX C.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.2 TEST RESULTS FOR BAND EDGE

APPENDIX D.1 TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX E.1 TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F.1 TEST RESULTS FOR FREQUENCY STABILITY

LTE Band 40

APPENDIX A.2 TEST RESULTS FOR EIRP POWER DENSITY

APPENDIX B.2 TEST RESULTS FOR E RADIATED EMISSIONS

APPENDIX C.3 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.4 TEST RESULTS FOR BAND EDGE

APPENDIX D.2 TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX E.2 TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F.2 TEST RESULTS FOR FREQUENCY STABILITY

Release Record

Report No.	Version	Description	Issued Date
FG132502-04P27D	Rev. 01	Initial issue	Apr. 18, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 27.50(a)(3)	EIRP Power Density	Maximum EIRP[dBm]: 21.24	Pass
2.1053 27.53(a)(4)	Radiated Emissions	Meet the requireme nt of limit	Pass
2.1051 27.53(a)(4)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 27.53(a)(4)	Band Edge	Meet the requirement of limit	Pass
2.1049	Occupied Bandwidth	Meet the requirement of limit	Pass
2.1055 27.54	Frequency Stability	Meet the requirement of limit	Pass
-	Peak to Average Ratio	Meet the requirement of limit	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
XSquare	XS5G01-GBO	5G SOM	With GPS Component
	XS5G01-GBI		Without GPS Component
★ The above models, model XS5G01-GBO was selected as a representative one for the final test and only its data was recorded in this report.			

1.1.2 Specification of the Equipment under Test (EUT)

Operating Frequency	LTE Band 30 Channel Bandwidth: 5MHz: 2307.5 MHz ~ 2312.5 MHz Channel Bandwidth: 10MHz: 2310 MHz LTE Band 40 Channel Bandwidth: 5MHz: 2307.5 MHz ~ 2312.5 MHz Channel Bandwidth: 10MHz: 2310 MHz
Modulation	QPSK, 16QAM, 64QAM, 256QAM (Uplink) QPSK, 16QAM, 64QAM, 256QAM (Downlink)

1.1.3 Antenna Details

Brand	Model	Type	Connector	Gain (dBi)
Anjie	AELQ2S-B066L	Dipole	SMA	-2.1

1.1.4 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	4 Vdc		
Operational Voltage	☒ Vnom (4 V)	☒ Vmax (4.2 V)	☒ Vmin (3.8 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (70°C)	☒ Tmin (-30°C)

1.1.5 Accessories

N/A

1.1.6 Maximum Conducted Power and Emission Designator

LTE Band 30			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
5 MHz	QPSK	0.207	4M47G7D
5 MHz	16QAM	0.171	4M46W7D
5 MHz	64QAM	0.134	4M47W7D
5 MHz	256QAM	0.072	4M47W7D
10 MHz	QPSK	0.202	8M92G7D
10 MHz	16QAM	0.166	8M91W7D
10 MHz	64QAM	0.134	8M92W7D
10 MHz	256QAM	0.072	8M94W7D

LTE Band 40			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
5 MHz	QPSK	0.216	4M46G7D
5 MHz	16QAM	0.175	4M49W7D
5 MHz	64QAM	0.133	4M46W7D
5 MHz	256QAM	0.067	4M46W7D
10 MHz	QPSK	0.212	8M92G7D
10 MHz	16QAM	0.171	8M92W7D
10 MHz	64QAM	0.137	8M95W7D
10 MHz	256QAM	0.068	8M91W7D

1.1.7 Operating Channel List

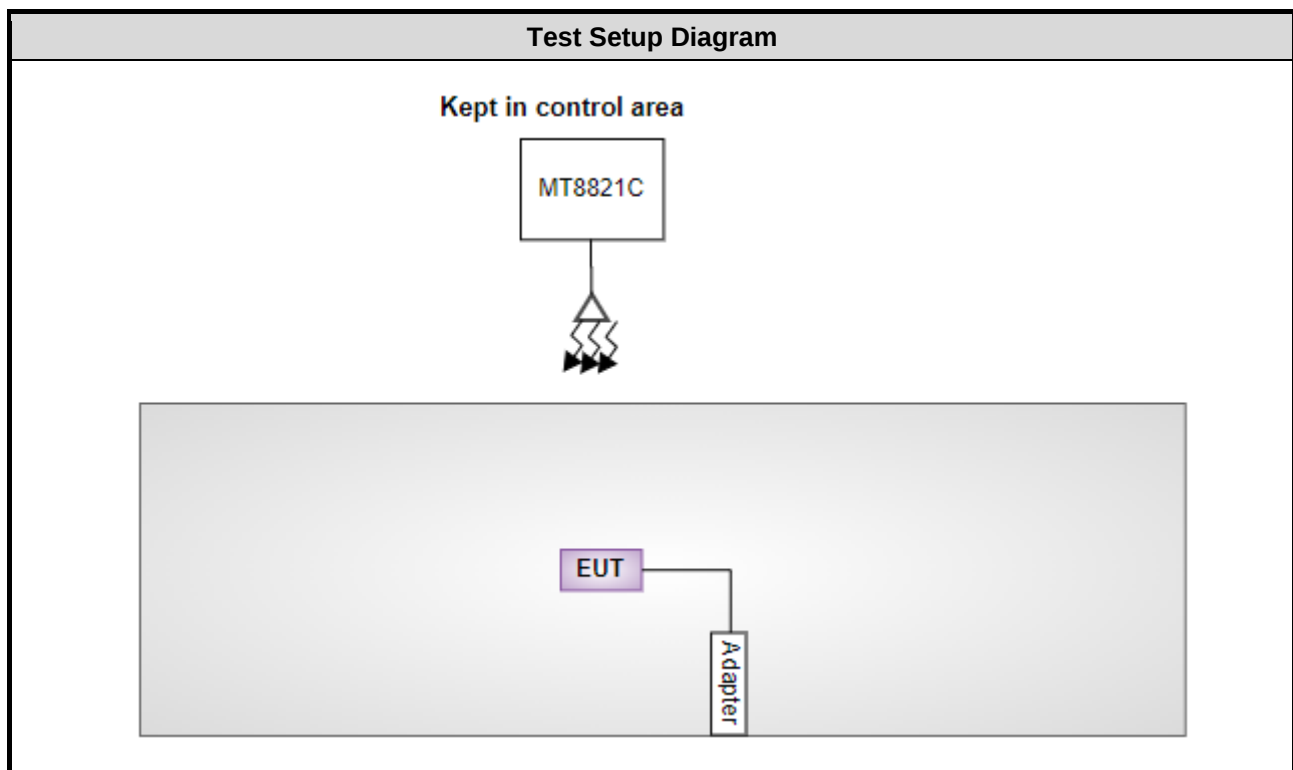
LTE Band 30		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	27685	2307.5
5	27710	2310
5	27735	2312.5
10	27710	2310

LTE Band 40		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	38725	2307.5
5	38750	2310
5	38775	2312.5
10	38750	2310

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Adapter	APD	WY-36C12FU	---	Provided by applicant.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Feb. 06 ~ Feb. 09, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 15, 2022	Mar. 14, 2023
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 03, 2022	Aug. 02, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 25, 2022	Nov. 24, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045SE	980903	Jul. 16, 2022	Jul. 15, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 04, 2022	Oct. 03, 2023
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 04, 2022	Oct. 03, 2023
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 04, 2022	Oct. 03, 2023
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 12, 2022	Sep. 11, 2023
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Dec. 23, 2022 ~ Feb. 09, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 08, 2022	Apr. 07, 2023
Spectrum Analyzer	Keysight	N9010A	MY54510374	Aug. 26, 2022	Aug. 25, 2023
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 22, 2022	Jun. 21, 2023
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Oct. 31, 2022	Oct. 30, 2023
Measurement Software	Sporton	SENSE-FCC_2G-4G	V6.1.6	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 12, 2022	Sep. 11, 2023
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 27
ANSI C63.26-2015

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Conducted emission	± 2.715 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	23-24°C / 65-66%	Bard Wu
RF Conducted	TH01-WS	23-25°C / 62-66%	Roger Lu

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISSED#: 10807A
- CAB identifier: TW2732

2.2 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	03CH01-WS, TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 33381, Taiwan, R.O.C.

2.3 The Worst Test Modes and Channel Details

Test items	Band	Bandwidth(MHz)						Modulation				RB#			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	30	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	40	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
peak-to-Average Ratio	30	-	-		v	-	-	v	v	v	v			v		v	
	40	-	-		v	-	-	v	v	v	v			v		v	
26dB and 99% Bandwidth	30	-	-	v	v	-	-	v	v	v	v			v		v	
	40	-	-	v	v	-	-	v	v	v	v			v		v	
Conducted Band edge	30	-	-	v	v	-	-	v	v	v	v	v		v	v		v
	40	-	-	v	v	-	-	v	v	v	v	v		v	v		v
Conducted Spurious Emission	30	-	-	v	v	-	-	v				v			v	v	v
	40	-	-	v	v	-	-	v				v			v	v	v
Frequency Stability	30	-	-		v	-	-	v						v		v	
	40	-	-		v	-	-	v						v		v	
E.R.P / E.I.R.P	30	-	-	v	v	-	-	v	v	v	v	Max. power					
	40	-	-	v	v	-	-	v	v	v	v						
Radiated Spurious Emission	30	Worst Case													v	v	v
	40	Worst Case													v	v	v
Remark	1. "v": this configuration is for testing. 2. "-" :This bandwidth is not supported. 3. Frequency range of radiated measurement is from 30 MHz to 10th harmonic of fundamental frequency. 4. All spurious emissions below 1000 MHz are more than 20 dB below the limit. 5. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report.																

3 Test Results

3.1 EIRP Power Density

3.1.1 Limit of EIRP Power Density

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.

3.1.2 Test Procedures

For E.R.P measurement

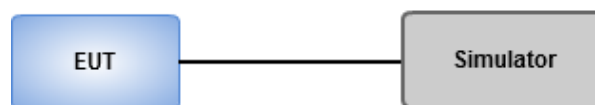
ERP can be calculated by below formula from KDB 412172 D01.

1. $EIRP = P_T + G_T - L_C$
 P_T = transmitter output power, in dBm.
 G_T = gain of the transmitting antenna, in dBi (EIRP).
 L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.
2. $ERP = EIRP - 2.15 \text{ dB}$.

For Conducted power measurement

1. The EUT links up with simulator and is set to maximum output power level at low / middel / high channel.
2. Measure the output power of low / middle / high channel of the EUT

3.1.3 Test Setup



3.1.4 Test Result of Effective Radiated Power and Conducted Power (dBm)

Refer to Appendix A1, A2.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

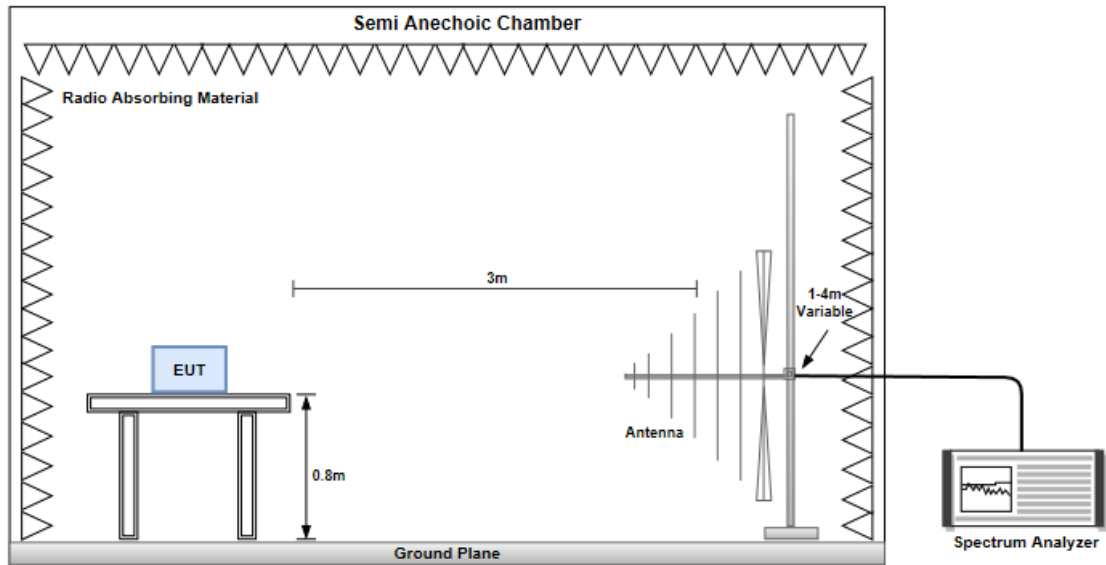
By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz

3.2.2 Test Procedures

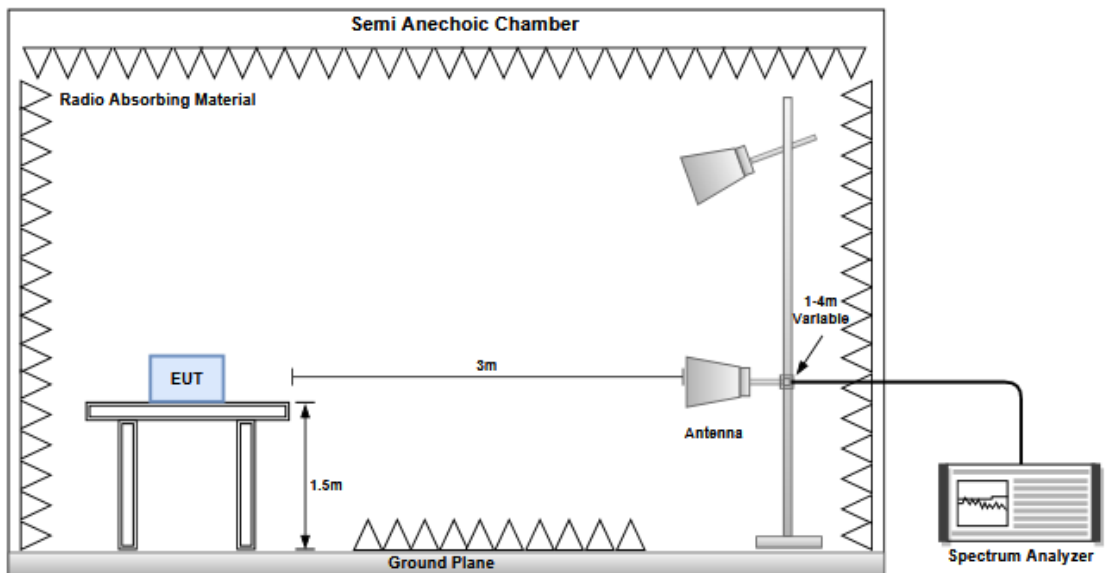
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360° . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360° , the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.
4. After finding the max radiated emission, substitution method will be used for getting effective radiated power. EUT will be removed and substitution antenna will be placed at same position. Signal generator will output CW signal to substitution antenna through a RF cable. Rotate turntable and move antenna to find maximum radiated emission. Adjust output power of signal generator to let the maximum radiated emission is same as step 3. Record the output power level.
5. $E.I.R.P = \text{output power of step 4} + \text{gain of substitution antenna} - \text{cable loss of RF cable}$. ERP can be calculated by below formula:
 $E.R.P = E.I.R.P - 2.15\text{dB}$.

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions below 1GHz

Refer to Appendix B1, B2.

3.3 Out of Band Emissions& Band Edge

3.3.1 Limit of Out of Band Emissions& Band Edge

- (1) 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;
- (2) 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 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;
- (3) 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.

3.3.2 Test Procedures

Out of band emission

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30 MHz ~ 10 GHz.
3. Set RBW = 100 kHz, VBW = 300kHz, detector = RMS, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

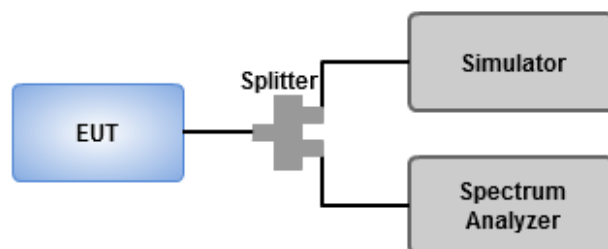
Band edge

1. Lowest and highest operating channels are tested for this item.
2. Set RBW = 1% of EBW, VBW = 3 x RBW, detector = RMS, sweep time = auto.
3. Record the max trace value and capture the test plot of each sub frequency band.

763 ~ 775 MHz / 793 ~ 805 MHz

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 763 MHz ~ 806 MHz.
3. Set RBW = 10 kHz, VBW = 30 kHz, detector = rms, sweep time = auto.

3.3.3 Test Setup



3.3.4 Test Result of Out of Band Emissions & Band Edge

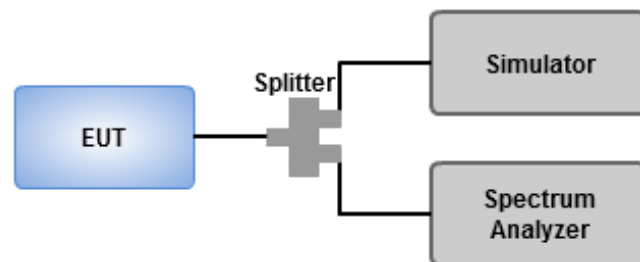
Refer to Appendix C.1, C.2, C3, C4.

3.4 Occupied Bandwidth and 26dB Bandwidth

3.4.1 Test Procedures

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Using occupied bandwidth measurement function of spectrum analyzer to measure occupied bandwidth
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 26dB relative to the maximum level measured in the fundamental emission.

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26 dB Bandwidth

Refer to Appendix D1, D2.

3.5 Peak to Average Power Ratio

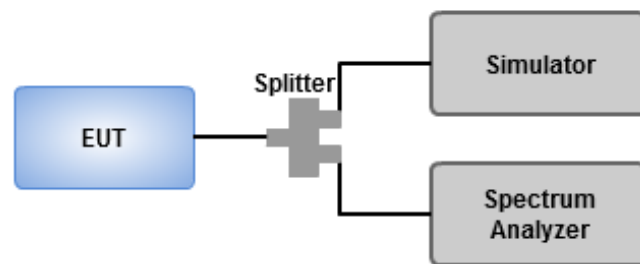
3.5.1 Limit of Peak to Average Power Ratio

The Peak-to-average power ratio of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Set the measurement interval to 1 ms.
4. Record the maximum PAPR level associated with a probability of 0.1%.

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Power Ratio

Refer to Appendix E1, E2.

3.6 Frequency Stability

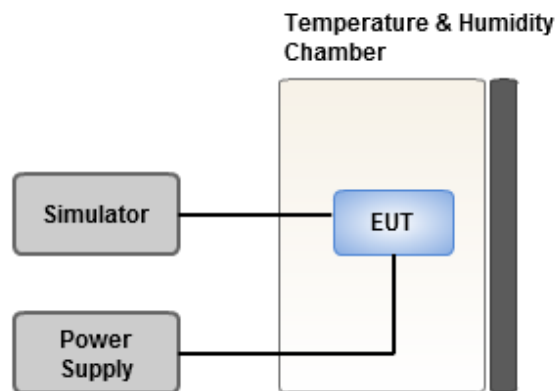
3.6.1 Limit of Frequency Stability

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.6.2 Test Procedures

1. EUT was placed at temperature chamber and connected to an external power supply.
2. Temperature and voltage condition shall be tested to confirm frequency stability.
3. The test shall be performed under normal and extreme condition for temperature and voltage.
4. Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Refer to Appendix F1, F2.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==



Summary

Part27D LTE Band 30 Maximum Average Power [dBm](GT-LC= -2.1 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
Channel					27710			
Frequency					2310			
10	QPSK	1	0		23.06		20.96	0.1247
10	QPSK	1	49		23.05			
10	QPSK	50	0		21.95			
10	16QAM	1	0		22.21		20.11	0.1026
10	64QAM	1	0		21.27		19.17	0.0826
10	256QAM	1	0		18.56		16.46	0.0443
Channel				27685	27710	27735	EIRP (dBm)	EIRP (W)
Frequency				2307.5	2310	2312.5		
5	QPSK	1	0	23.08	23.05	23.17	21.07	0.1279
5	QPSK	1	24	23.06	23.03	23.08		
5	QPSK	25	0	22.08	21.95	22.07		
5	16QAM	1	0	22.28	22.22	22.33	20.23	0.1054
5	64QAM	1	0	21.24	21.25	21.27	19.17	0.0826
5	256QAM	1	0	18.43	18.55	18.42	16.45	0.0442
Limit	EIRP < 0.25 W/5MHz			Result			Pass	

Remark: Total channel power is complied with EIRP limit 24dBm/5MHz.

Summary

Part27D LTE Band 40_2305~2315MHz Maximum Average Power [dBm](GT-LC= -2.1 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
Channel					38750			
Frequency					2310			
10	QPSK	1	0		23.26		21.16	0.1306
10	QPSK	1	49		23.25			
10	QPSK	50	0		22.26			
10	16QAM	1	0		22.32		20.22	0.1052
10	64QAM	1	0		21.36		19.26	0.0843
10	256QAM	1	0		18.31		16.21	0.0418
Channel				38725	38750	38775	EIRP (dBm)	EIRP (W)
Frequency				2307.5	2310	2312.5		
5	QPSK	1	0	23.29	23.28	23.34	21.24	0.1330
5	QPSK	1	24	23.24	23.24	23.28		
5	QPSK	25	0	22.2	22.21	22.26		
5	16QAM	1	0	22.44	22.38	22.36	20.34	0.1081
5	64QAM	1	0	21.25	21.16	21.2	19.15	0.0822
5	256QAM	1	0	18.26	18.23	18.27	16.17	0.0414
Limit	EIRP < 0.25 W/5MHz			Result			Pass	

Remark: Total channel power is complied with EIRP limit 24dBm/5MHz.

Mode	LTE Band 30, QPSK, CB:5 MHz, 1 RB, Channel: 27685						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4610.6	H	-60.82	-40	-20.82	-71.71	-66.85	6.03
6915.9	H	-57.61	-40	-17.61	-72.25	-61.57	3.96
9221.2	H	-54.78	-40	-14.78	-69.8	-56.2	1.42
4610.6	V	-60.66	-40	-20.66	-71.7	-66.69	6.03
6915.9	V	-57.15	-40	-17.15	-72.22	-61.11	3.96
9221.2	V	-56.12	-40	-16.12	-69.7	-57.54	1.42

Mode	LTE Band 30, QPSK, CB:5 MHz, 1 RB, Channel: 27710						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4615.6	H	-60.74	-40	-20.74	-71.65	-66.76	6.02
6923.4	H	-57.76	-40	-17.76	-72.35	-61.69	3.93
9231.2	H	-54.67	-40	-14.67	-69.73	-56.07	1.4
4615.6	V	-60.7	-40	-20.7	-71.74	-66.72	6.02
6923.4	V	-57.34	-40	-17.34	-72.41	-61.27	3.93
9231.2	V	-56.18	-40	-16.18	-69.73	-57.58	1.4

Mode	LTE Band 30, QPSK, CB:5 MHz, 1 RB, Channel: 27735						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4620.6	H	-60.53	-40	-20.53	-71.45	-66.54	6.01
6930.9	H	-58.07	-40	-18.07	-72.6	-61.96	3.89
9241.2	H	-54.67	-40	-14.67	-69.75	-56.05	1.38
4620.6	V	-60.42	-40	-20.42	-71.46	-66.43	6.01
6930.9	V	-57.49	-40	-17.49	-72.55	-61.38	3.89
9241.2	V	-56.26	-40	-16.26	-69.77	-57.64	1.38

NOTE: EIRP = S.G power value + correction factor

Mode	LTE Band 40, QPSK, CB:5 MHz, 1 RB, Channel: 38725						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4610.6	H	-60.75	-40	-20.75	-71.64	-66.78	6.03
6915.9	H	-57.45	-40	-17.45	-72.09	-61.41	3.96
9221.2	H	-54.62	-40	-14.62	-69.64	-56.04	1.42
4610.6	V	-60.56	-40	-20.56	-71.6	-66.59	6.03
6915.9	V	-57.02	-40	-17.02	-72.09	-60.98	3.96
9221.2	V	-56.04	-40	-16.04	-69.62	-57.46	1.42

Mode	LTE Band 40, QPSK, CB:5 MHz, 1 RB, Channel: 38750						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4615.6	H	-60.8	-40	-20.8	-71.71	-66.82	6.02
6923.4	H	-57.75	-40	-17.75	-72.34	-61.68	3.93
9231.2	H	-54.63	-40	-14.63	-69.69	-56.03	1.4
4615.6	V	-60.52	-40	-20.52	-71.56	-66.54	6.02
6923.4	V	-57.33	-40	-17.33	-72.4	-61.26	3.93
9231.2	V	-56.14	-40	-16.14	-69.69	-57.54	1.4

Mode	LTE Band 40, QPSK, CB:5 MHz, 1 RB, Channel: 38775						
Frequency (MHz)	Antenna Polarity	E.I.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
4620.6	H	-60.47	-40	-20.47	-71.39	-66.48	6.01
6930.9	H	-58.03	-40	-18.03	-72.56	-61.92	3.89
9241.2	H	-54.73	-40	-14.73	-69.81	-56.11	1.38
4620.6	V	-60.37	-40	-20.37	-71.41	-66.38	6.01
6930.9	V	-57.42	-40	-17.42	-72.48	-61.31	3.89
9241.2	V	-56.13	-40	-16.13	-69.64	-57.51	1.38

NOTE: EIRP = S.G power value + correction factor



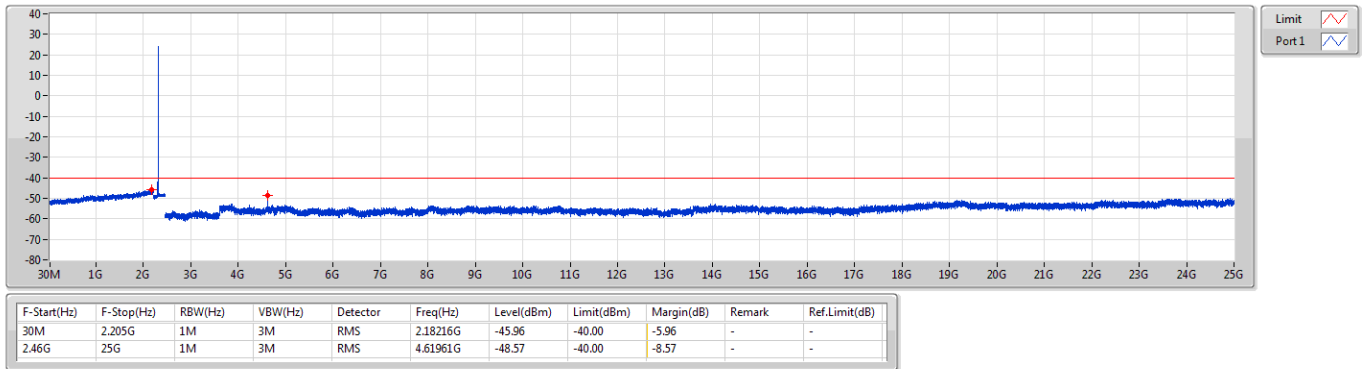
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 30	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	30M	2.205G	1M	3M	RMS	2.18216G	-45.96	-40.00	-5.96	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	30M	2.205G	1M	3M	RMS	2.20174G	-46.09	-40.00	-6.09	-	-

Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

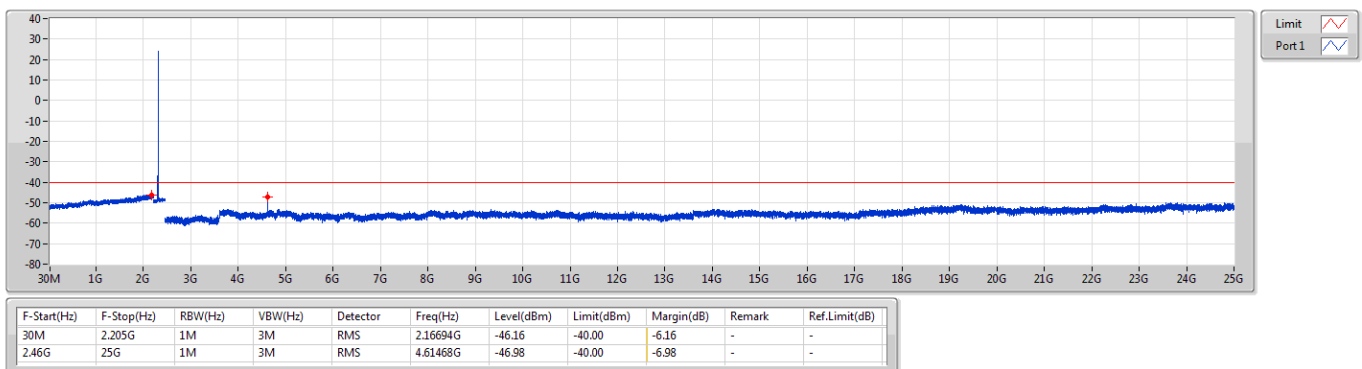
2310MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

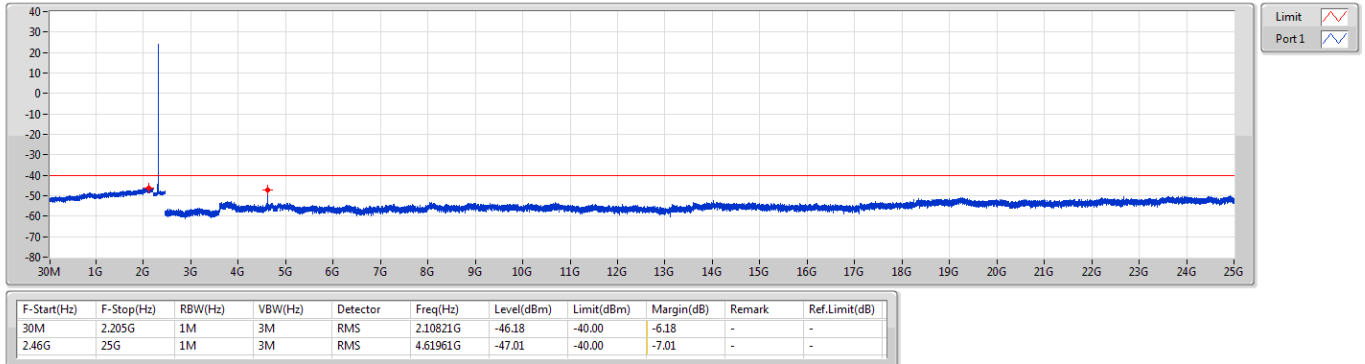
2307.5MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

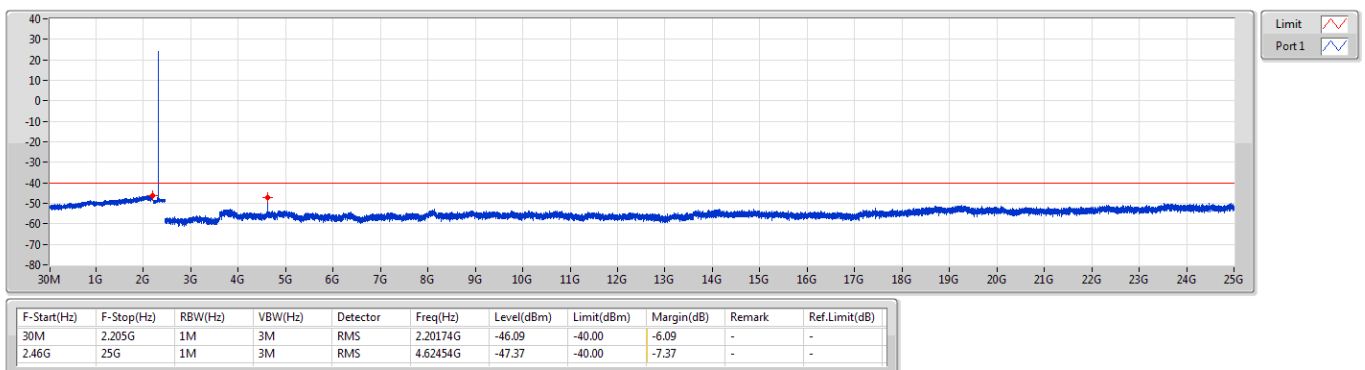
2310MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1



Summary

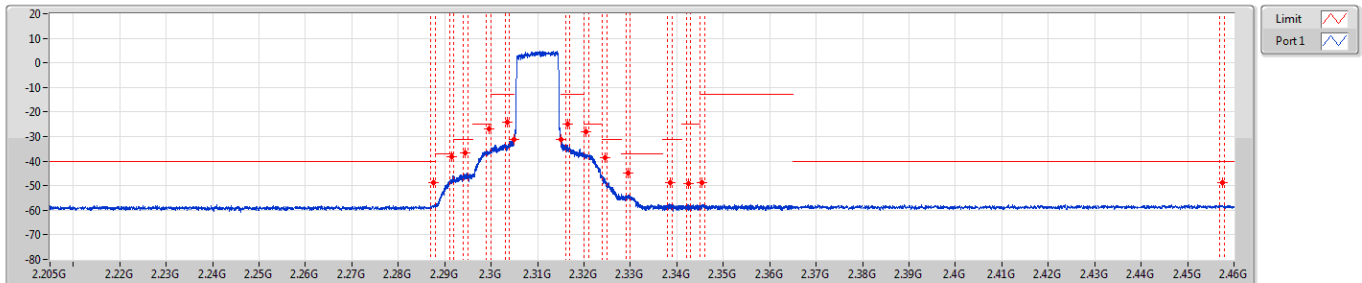
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 30	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2.288G	2.292G	100k	300k	RMS	2.2915G	-38.18	-37.00	-1.18	MBW 1M	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	2.296G	2.3G	100k	300k	RMS	2.2995G	-28.79	-25.00	-3.79	MBW 1M	-
LTE_10MHz_Nss1,64QAM_1TX	Pass	2.296G	2.3G	100k	300k	RMS	2.2995G	-30.59	-25.00	-5.59	MBW 1M	-
LTE_10MHz_Nss1,256QAM_1TX	Pass	2.296G	2.3G	100k	300k	RMS	2.2995G	-33.16	-25.00	-8.16	MBW 1M	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.30499G	-16.19	-13.00	-3.19	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.305G	-17.23	-13.00	-4.23	-	-
LTE_5MHz_Nss1,64QAM_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.30499G	-18.60	-13.00	-5.60	-	-
LTE_5MHz_Nss1,256QAM_1TX	Pass	2.365G	2.46G	51k	200k	RMS	2.4595G	-48.76	-40.00	-8.76	MBW 1M	-



Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 50,#RB 0

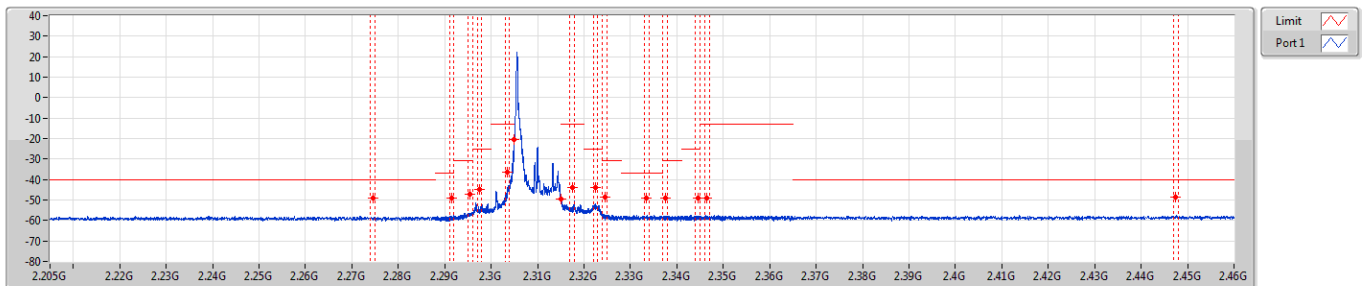


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-48.65	-40.00	-8.65	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-38.18	-37.00	-1.18	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2945G	-36.50	-31.00	-5.50	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-26.75	-25.00	-1.75	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-24.21	-13.00	-11.21	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-31.16	-13.00	-18.16	-	-
2.315G	2.316G	100k	300k	RMS	2.31503G	-31.03	-13.00	-18.03	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-25.09	-13.00	-12.09	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-28.15	-25.00	-3.15	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-38.54	-31.00	-7.54	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3295G	-44.88	-37.00	-7.88	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-48.92	-31.00	-17.92	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3425G	-48.95	-25.00	-23.95	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3455G	-48.82	-13.00	-35.82	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4575G	-48.68	-40.00	-8.68	MBW 1M	-

Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 1,#RB L

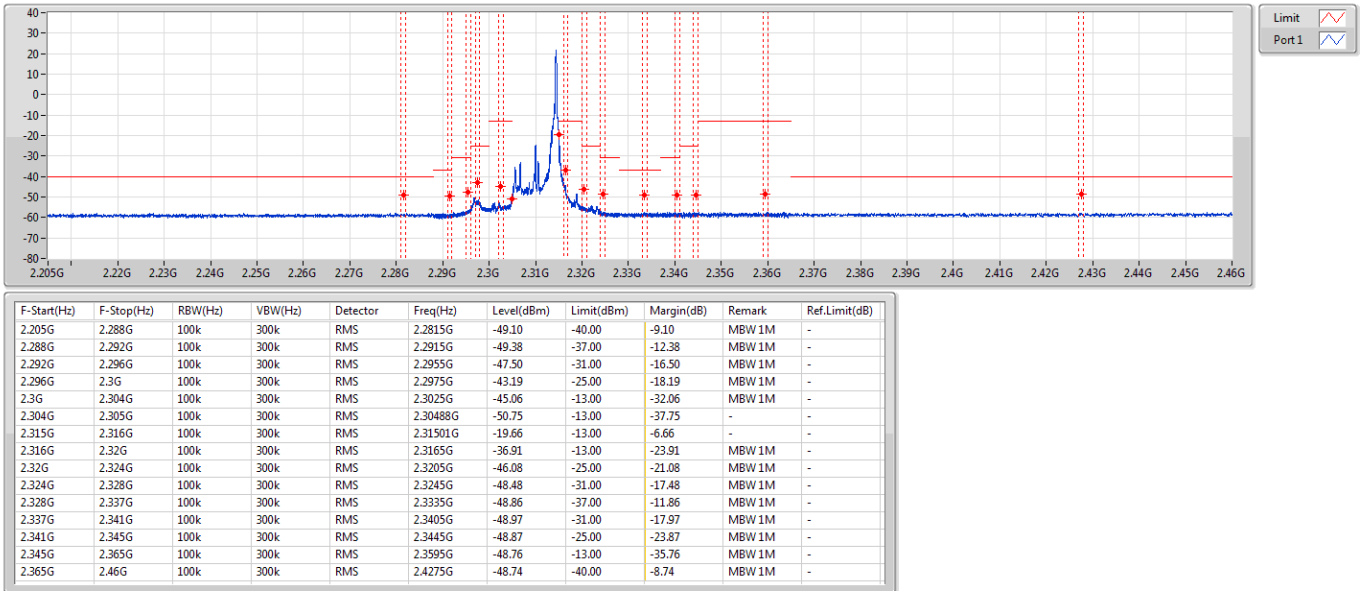


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2745G	-49.16	-40.00	-9.16	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-49.15	-37.00	-12.15	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-47.34	-31.00	-16.34	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-44.78	-25.00	-19.78	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-36.41	-13.00	-23.41	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30494G	-20.55	-13.00	-7.55	-	-
2.315G	2.316G	100k	300k	RMS	2.31515G	-49.37	-13.00	-36.37	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-44.03	-13.00	-31.03	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3225G	-43.75	-25.00	-18.75	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.42	-31.00	-17.42	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3335G	-48.91	-37.00	-11.91	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-49.03	-31.00	-18.03	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3445G	-48.96	-25.00	-23.96	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3465G	-48.95	-13.00	-35.95	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4475G	-48.72	-40.00	-8.72	MBW 1M	-



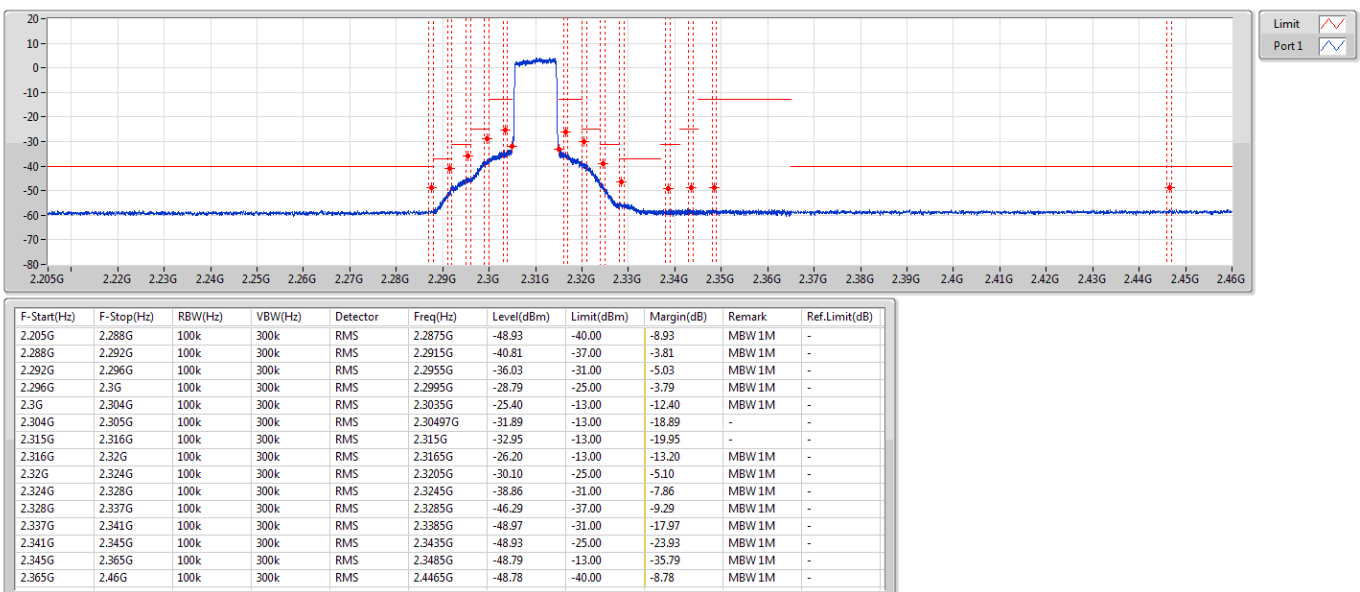
Band 30_LTE_10MHz_Nss1,QPSK_1TX
2310MHz_QPSK_RB 1,#RB R

CSE-TX-Sum



Band 30_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 50,#RB 0

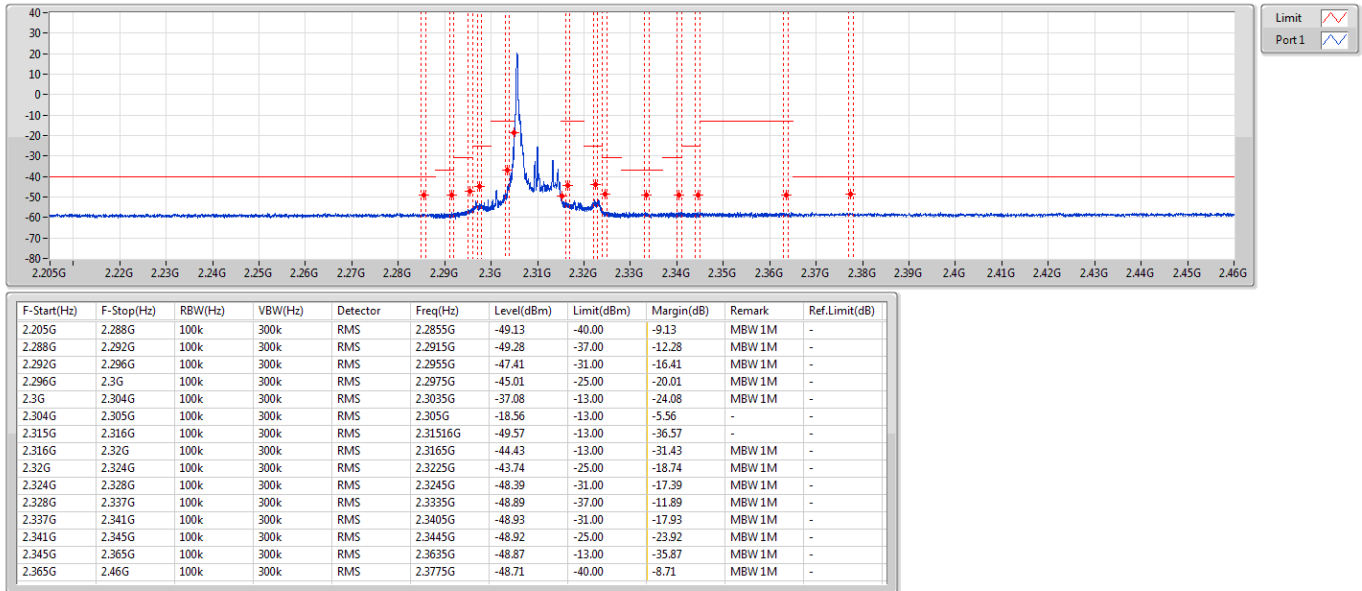
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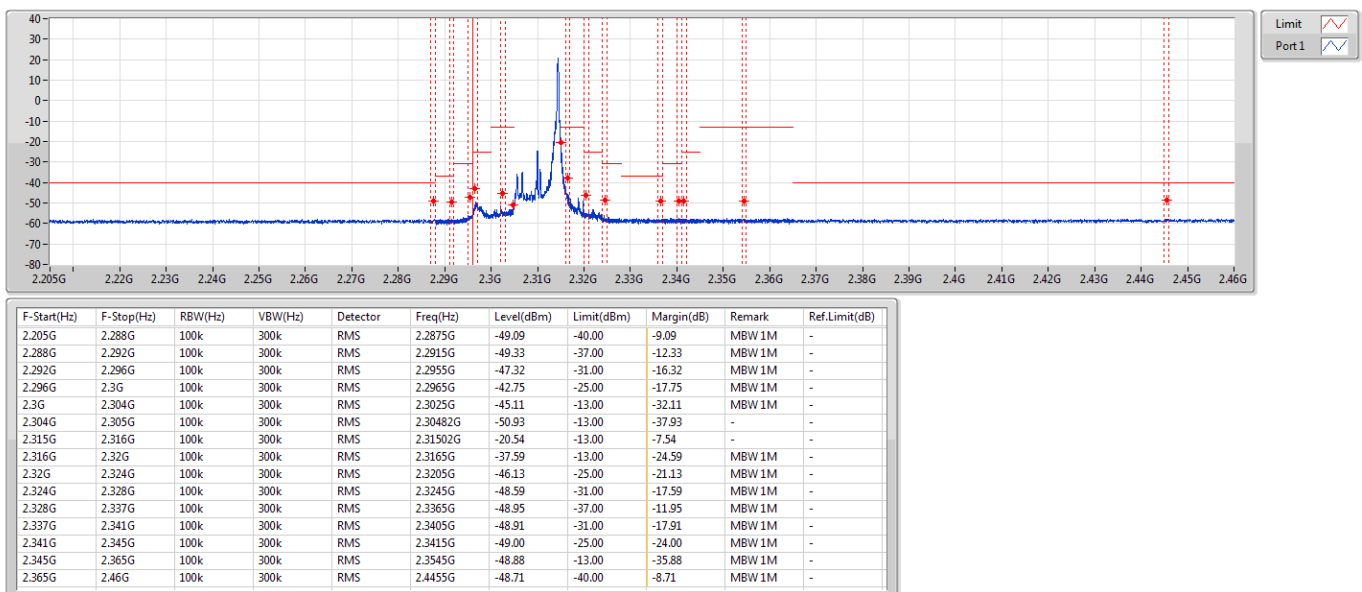
Band 30_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 1,#RB L

CSE-TX-Sum



Band 30_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 1,#RB R

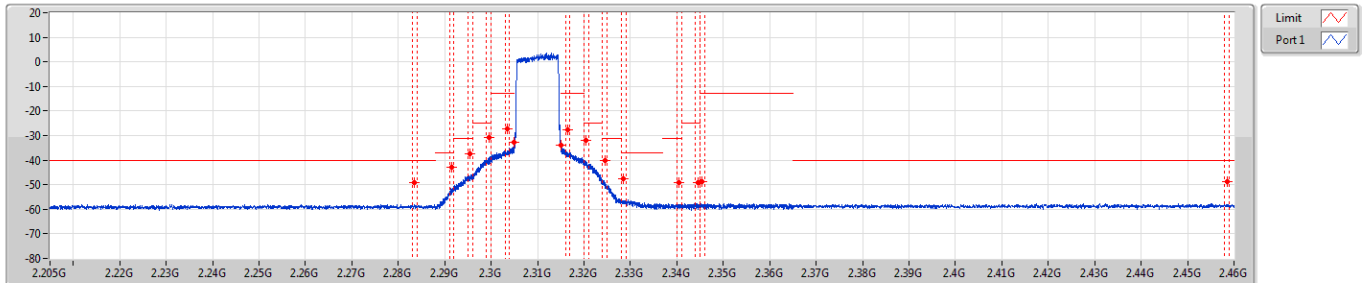
CSE-TX-Sum





Band 30_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 50,#RB 0

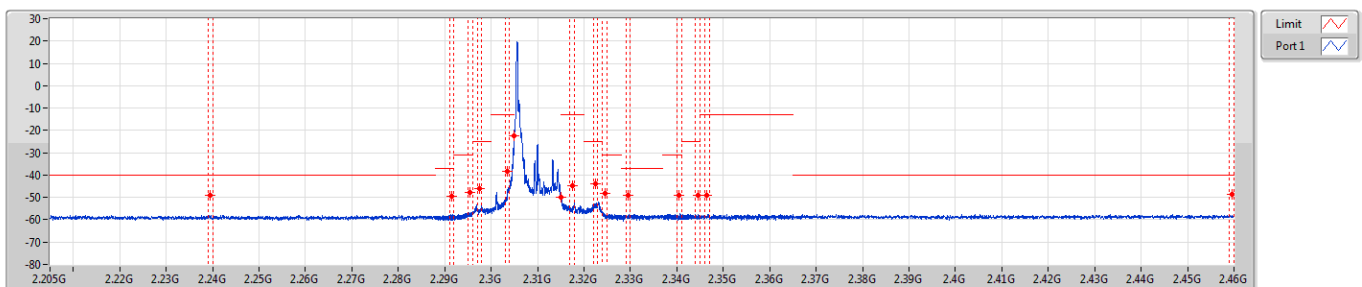
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2835G	-49.12	-40.00	-9.12	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-42.95	-37.00	-5.95	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-37.35	-31.00	-6.35	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-30.59	-25.00	-5.59	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-27.19	-13.00	-14.19	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-32.80	-13.00	-19.80	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-33.81	-13.00	-20.81	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-27.85	-13.00	-14.85	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-32.02	-25.00	-7.02	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-40.16	-31.00	-9.16	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-47.39	-37.00	-10.39	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3405G	-49.02	-31.00	-18.02	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3445G	-48.99	-25.00	-23.99	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3455G	-48.87	-13.00	-35.87	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4585G	-48.74	-40.00	-8.74	MBW 1M	-

Band 30_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

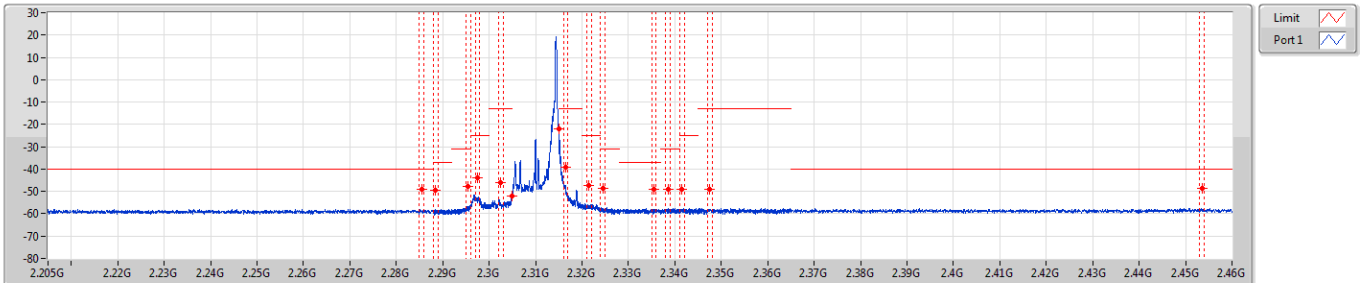


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2395G	-49.12	-40.00	-9.12	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-49.31	-37.00	-12.31	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-47.80	-31.00	-16.80	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-45.98	-25.00	-20.98	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-38.33	-13.00	-25.33	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-22.28	-13.00	-9.28	-	-
2.315G	2.316G	100k	300k	RMS	2.31514G	-50.13	-13.00	-37.13	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-44.89	-13.00	-31.89	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3225G	-44.11	-25.00	-19.11	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.40	-31.00	-17.40	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3295G	-48.92	-37.00	-11.92	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3405G	-48.95	-31.00	-17.95	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3445G	-48.88	-25.00	-23.88	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3465G	-48.91	-13.00	-35.91	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4595G	-48.73	-40.00	-8.73	MBW 1M	-



Band 30_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 1,#RB R

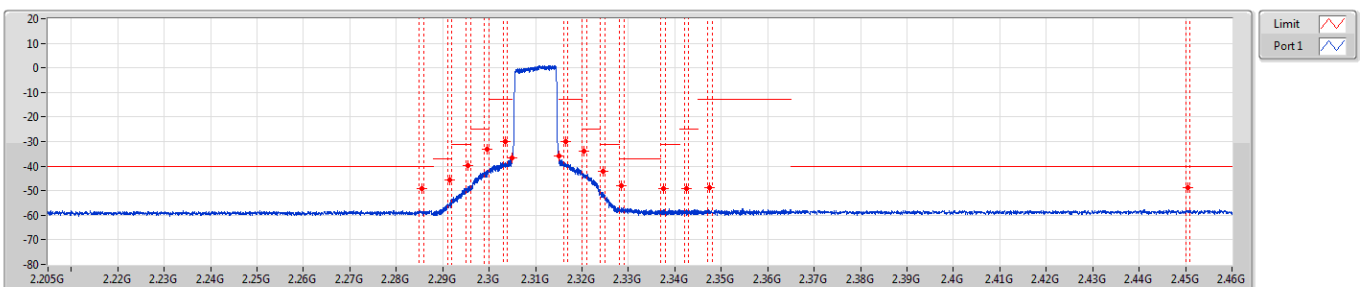
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2855G	-49.15	-40.00	-9.15	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2885G	-49.41	-37.00	-12.41	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-47.85	-31.00	-16.85	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-43.88	-25.00	-18.88	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3025G	-45.87	-13.00	-32.87	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30487G	-51.95	-13.00	-38.95	-	-
2.315G	2.316G	100k	300k	RMS	2.31503G	-22.12	-13.00	-9.12	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-39.21	-13.00	-26.21	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3215G	-47.15	-25.00	-22.15	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.79	-31.00	-17.79	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3355G	-48.97	-37.00	-11.97	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-49.02	-31.00	-18.02	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-48.98	-25.00	-23.98	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3475G	-48.86	-13.00	-35.86	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4535G	-48.74	-40.00	-8.74	MBW 1M	-

Band 30_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 50,#RB 0

CSE-TX-Sum

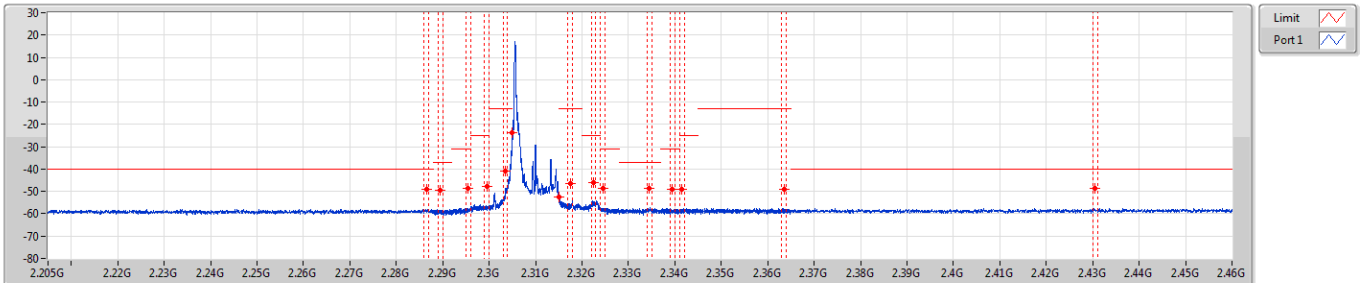


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2855G	-49.14	-40.00	-9.14	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-45.75	-37.00	-8.75	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-39.58	-31.00	-8.58	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-33.16	-25.00	-8.16	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-29.83	-13.00	-16.83	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.305G	-36.55	-13.00	-23.55	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-35.75	-13.00	-22.75	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-29.92	-13.00	-16.92	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-34.09	-25.00	-9.09	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-42.12	-31.00	-11.12	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-48.15	-37.00	-11.15	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-48.97	-31.00	-17.97	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3425G	-49.00	-25.00	-24.00	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3475G	-48.86	-13.00	-35.86	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4505G	-48.72	-40.00	-8.72	MBW 1M	-



Band 30_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 1,#RB L

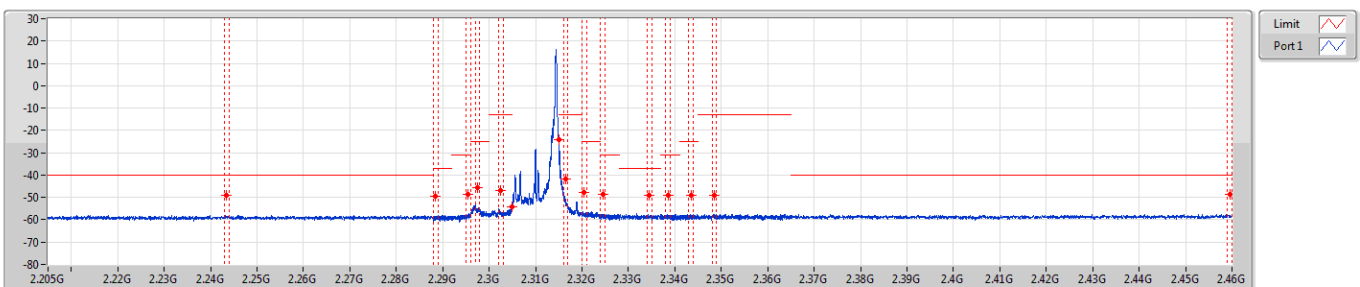
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2865G	-49.03	-40.00	-9.03	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2895G	-49.48	-37.00	-12.48	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-48.72	-31.00	-17.72	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-47.57	-25.00	-22.57	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-40.83	-13.00	-27.83	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30498G	-23.64	-13.00	-10.64	-	-
2.315G	2.316G	100k	300k	RMS	2.31515G	-52.38	-13.00	-39.38	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-46.48	-13.00	-33.48	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3225G	-45.91	-25.00	-20.91	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.61	-31.00	-17.61	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3345G	-48.78	-37.00	-11.78	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3395G	-48.96	-31.00	-17.96	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-48.96	-25.00	-23.96	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3635G	-48.89	-13.00	-35.89	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4305G	-48.65	-40.00	-8.65	MBW 1M	-

Band 30_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 1,#RB R

CSE-TX-Sum



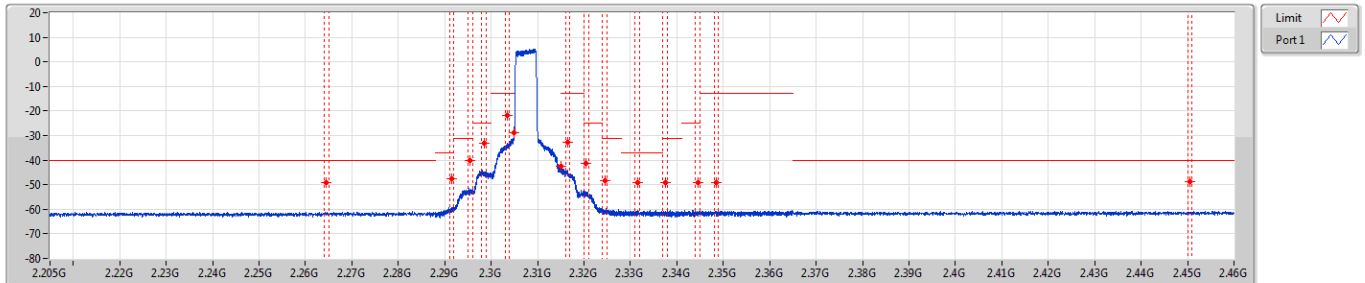
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2435G	-49.16	-40.00	-9.16	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2885G	-49.50	-37.00	-12.50	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-48.58	-31.00	-17.58	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-45.62	-25.00	-20.62	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3025G	-47.10	-13.00	-34.10	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30487G	-54.01	-13.00	-41.01	-	-
2.315G	2.316G	100k	300k	RMS	2.31503G	-23.99	-13.00	-10.99	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-41.69	-13.00	-28.69	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-47.94	-25.00	-22.94	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.75	-31.00	-17.75	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3345G	-48.95	-37.00	-11.95	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-49.07	-31.00	-18.07	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3435G	-48.96	-25.00	-23.96	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3485G	-48.86	-13.00	-35.86	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4595G	-48.75	-40.00	-8.75	MBW 1M	-



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 25,#RB 0

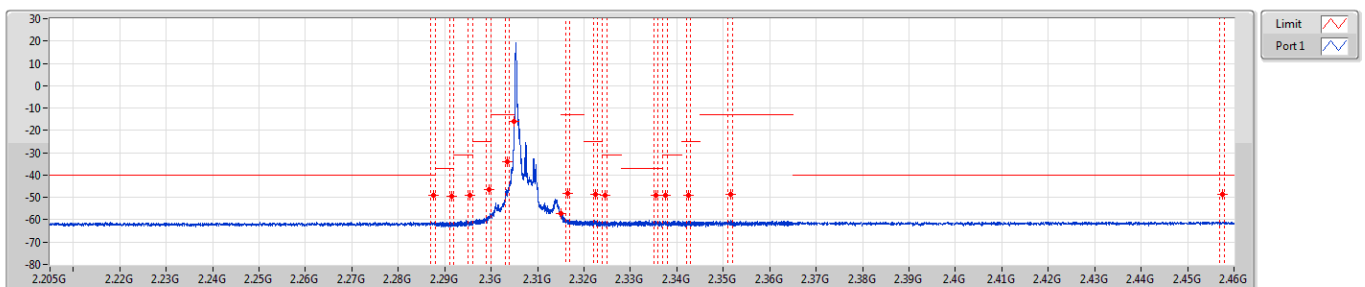


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2645G	-49.17	-40.00	-9.17	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-47.67	-37.00	-10.67	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-40.19	-31.00	-9.19	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2985G	-33.06	-25.00	-8.06	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-21.87	-13.00	-8.87	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-28.71	-13.00	-15.71	-	-
2.315G	2.316G	51k	200k	RMS	2.31504G	-42.46	-13.00	-29.46	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-32.83	-13.00	-19.83	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-41.22	-25.00	-16.22	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-48.32	-31.00	-17.32	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3315G	-48.99	-37.00	-11.99	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3375G	-49.08	-31.00	-18.08	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3445G	-49.03	-25.00	-24.03	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3485G	-48.98	-13.00	-35.98	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4505G	-48.81	-40.00	-8.81	MBW 1M	-

Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 1,#RB L



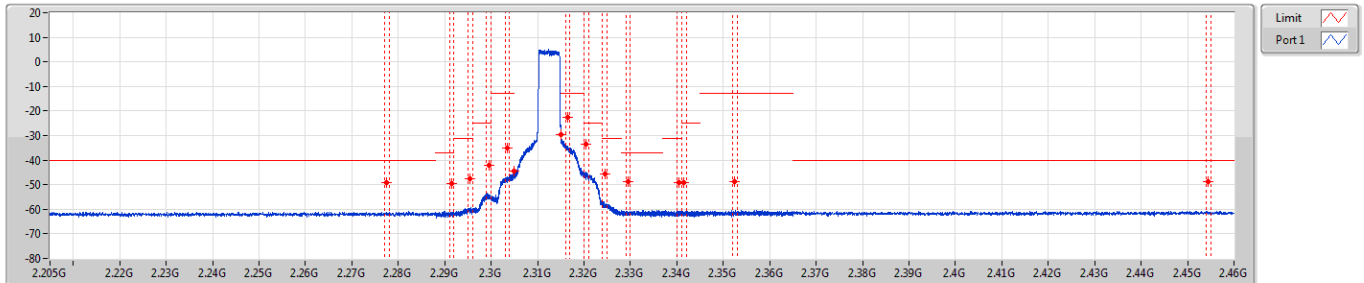
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-49.12	-40.00	-9.12	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-49.43	-37.00	-12.43	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-48.91	-31.00	-17.91	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-46.33	-25.00	-21.33	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-34.22	-13.00	-21.22	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30499G	-16.19	-13.00	-3.19	-	-
2.315G	2.316G	51k	200k	RMS	2.315G	-57.15	-13.00	-44.15	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-48.32	-13.00	-35.32	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3225G	-48.82	-25.00	-23.82	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-49.09	-31.00	-18.09	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3355G	-48.95	-37.00	-11.95	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3375G	-48.96	-31.00	-17.96	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3425G	-49.09	-25.00	-24.09	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3515G	-48.84	-13.00	-35.84	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4575G	-48.78	-40.00	-8.78	MBW 1M	-



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 25,#RB 0

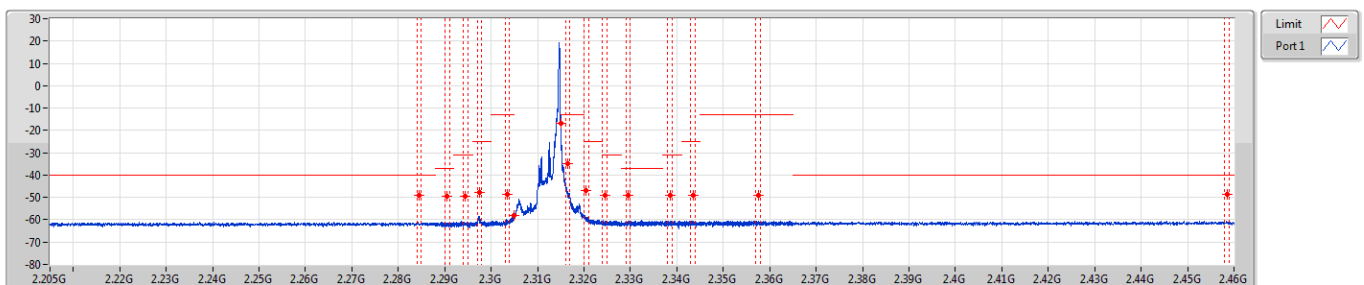


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2775G	-49.22	-40.00	-9.22	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-49.34	-37.00	-12.34	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-47.76	-31.00	-16.76	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-42.26	-25.00	-17.26	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-35.11	-13.00	-22.11	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30488G	-44.57	-13.00	-31.57	-	-
2.315G	2.316G	51k	200k	RMS	2.31501G	-29.50	-13.00	-16.50	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-22.59	-13.00	-9.59	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-33.65	-25.00	-8.65	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-45.66	-31.00	-14.66	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3295G	-48.92	-37.00	-11.92	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-49.04	-31.00	-18.04	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-49.05	-25.00	-24.05	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3525G	-48.89	-13.00	-35.89	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4545G	-48.80	-40.00	-8.80	MBW 1M	-

Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1,#RB R

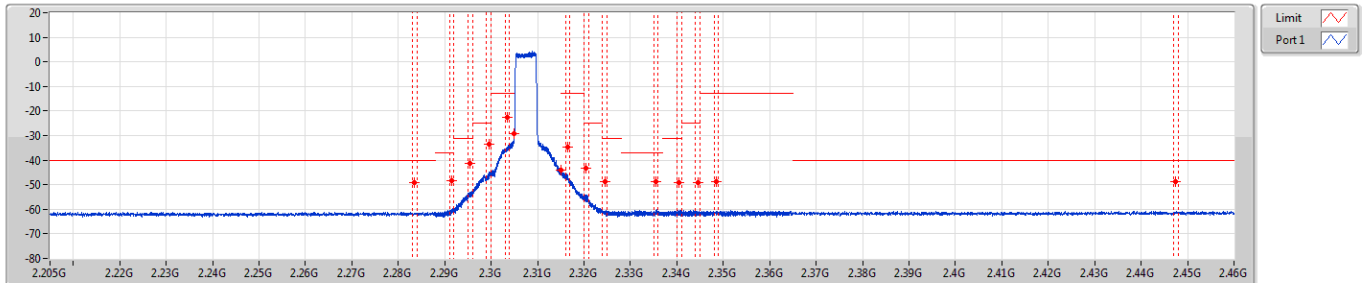


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2845G	-49.11	-40.00	-9.11	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2905G	-49.47	-37.00	-12.47	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2945G	-49.28	-31.00	-18.28	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2975G	-47.87	-25.00	-22.87	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-48.53	-13.00	-35.53	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30494G	-58.00	-13.00	-45.00	-	-
2.315G	2.316G	51k	200k	RMS	2.31502G	-16.94	-13.00	-3.94	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-34.76	-13.00	-21.76	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-46.86	-25.00	-21.86	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-48.89	-31.00	-17.89	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3295G	-48.88	-37.00	-11.88	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3385G	-48.98	-31.00	-17.98	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3435G	-48.94	-25.00	-23.94	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3575G	-48.97	-13.00	-35.97	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4585G	-48.73	-40.00	-8.73	MBW 1M	-



Band 30_LTE_5MHz_Nss1,16QAM_1TX
2307.5MHz_16QAM_RB 25,#RB 0

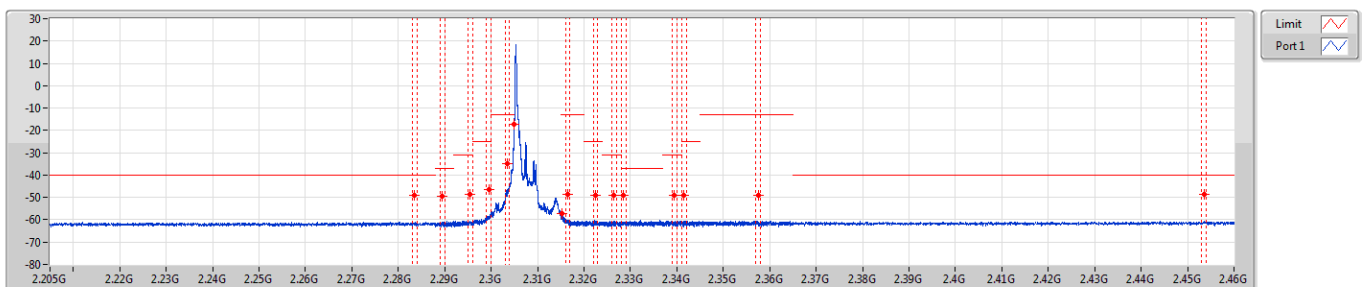
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2835G	-49.21	-40.00	-9.21	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-48.22	-37.00	-11.22	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-41.21	-31.00	-10.21	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-33.51	-25.00	-8.51	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-22.75	-13.00	-9.75	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-29.13	-13.00	-16.13	-	-
2.315G	2.316G	51k	200k	RMS	2.31501G	-43.89	-13.00	-30.89	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-34.80	-13.00	-21.80	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-43.15	-25.00	-18.15	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-48.74	-31.00	-17.74	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3355G	-48.89	-37.00	-11.89	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-48.98	-31.00	-17.98	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3445G	-48.96	-25.00	-23.96	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3485G	-48.88	-13.00	-35.88	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4475G	-48.72	-40.00	-8.72	MBW 1M	-

Band 30_LTE_5MHz_Nss1,16QAM_1TX
2307.5MHz_16QAM_RB 1,#RB L

CSE-TX-Sum

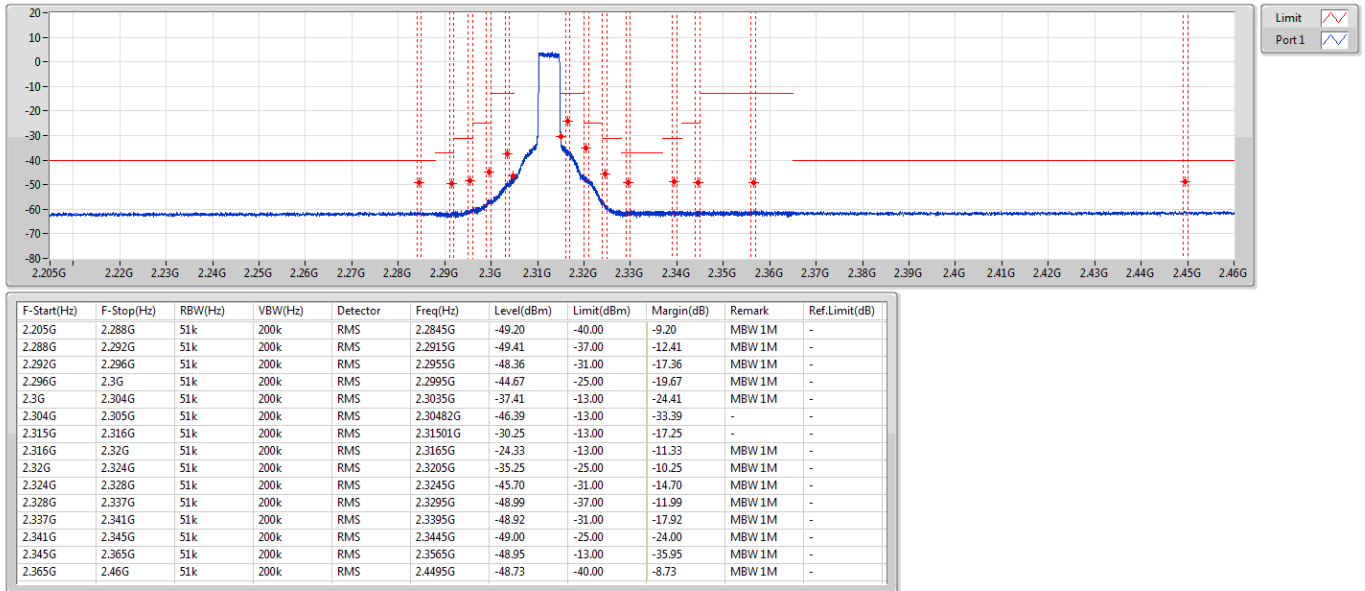


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2835G	-49.18	-40.00	-9.18	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2895G	-49.28	-37.00	-12.28	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-48.83	-31.00	-17.83	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-46.27	-25.00	-21.27	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-34.67	-13.00	-21.67	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-17.23	-13.00	-4.23	-	-
2.315G	2.316G	51k	200k	RMS	2.31517G	-57.31	-13.00	-44.31	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-48.44	-13.00	-35.44	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3225G	-48.86	-25.00	-23.86	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3265G	-49.03	-31.00	-18.03	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3285G	-48.92	-37.00	-11.92	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3395G	-49.04	-31.00	-18.04	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-48.87	-25.00	-23.87	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3575G	-48.95	-13.00	-35.95	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4535G	-48.81	-40.00	-8.81	MBW 1M	-



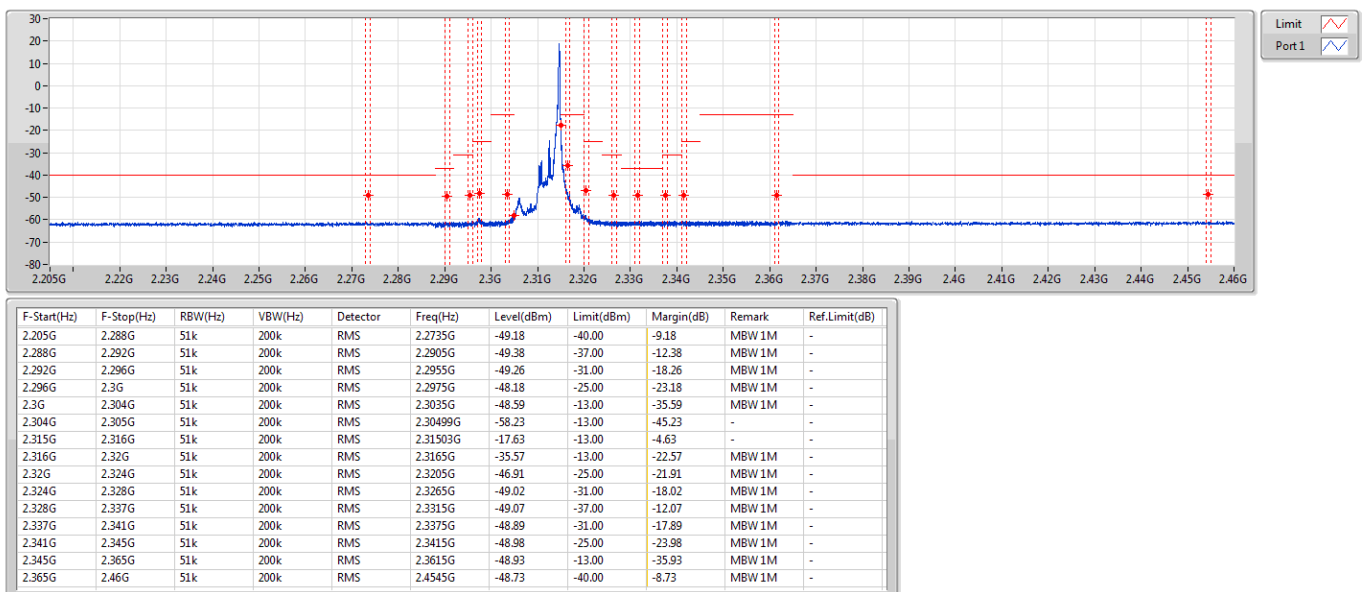
Band 30_LTE_5MHz_Nss1,16QAM_1TX
2312.5MHz_16QAM_RB 25,#RB 0

CSE-TX-Sum



Band 30_LTE_5MHz_Nss1,16QAM_1TX
2312.5MHz_16QAM_RB 1,#RB R

CSE-TX-Sum

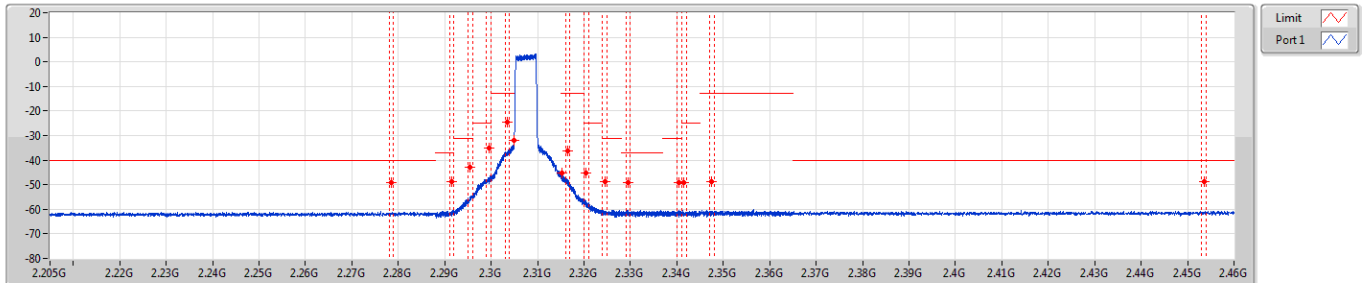




Band 30_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

2307.5MHz_64QAM_RB 25,#RB 0

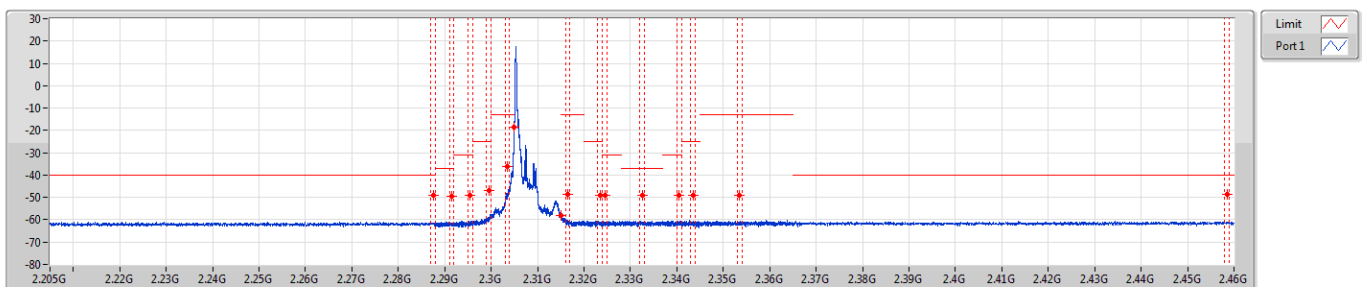


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2785G	-49.15	-40.00	-9.15	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-48.78	-37.00	-11.78	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-43.01	-31.00	-12.01	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-35.19	-25.00	-10.19	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-24.55	-13.00	-11.55	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-31.81	-13.00	-18.81	-	-
2.315G	2.316G	51k	200k	RMS	2.31524G	-45.29	-13.00	-32.29	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-36.43	-13.00	-23.43	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-45.26	-25.00	-20.26	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-48.83	-31.00	-17.83	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3295G	-48.96	-37.00	-11.96	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-49.03	-31.00	-18.03	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-49.09	-25.00	-24.09	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3475G	-48.87	-13.00	-35.87	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4535G	-48.81	-40.00	-8.81	MBW 1M	-

Band 30_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

2307.5MHz_64QAM_RB 1,#RB L



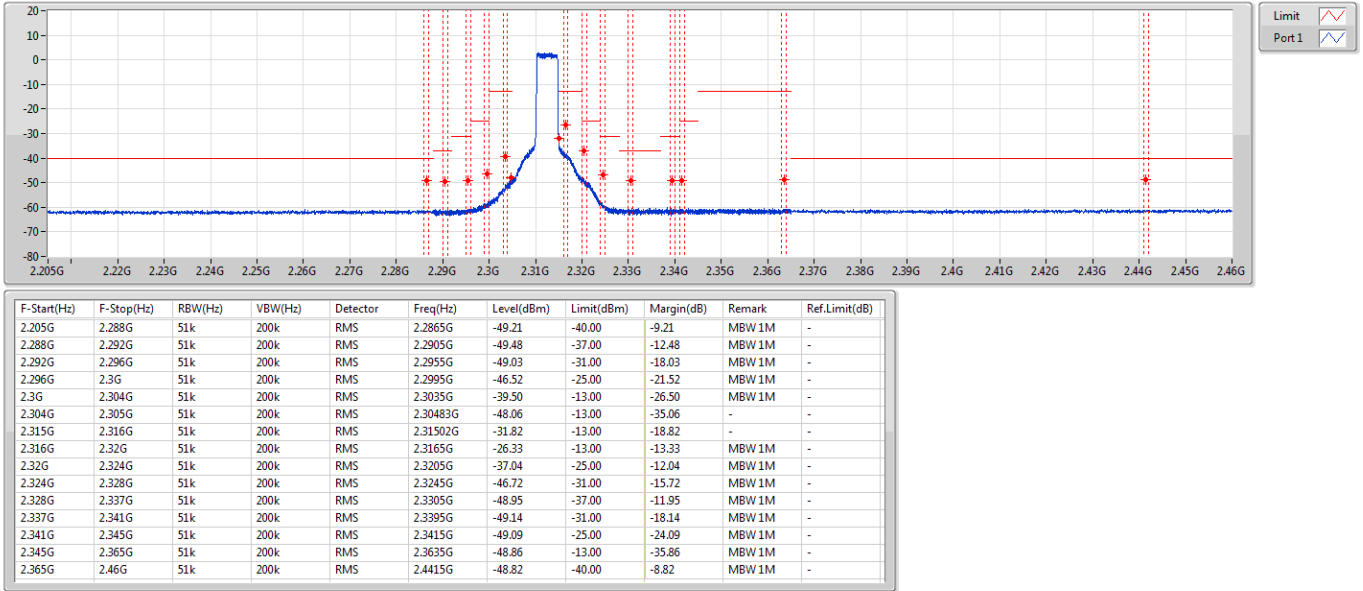
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-49.15	-40.00	-9.15	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-49.37	-37.00	-12.37	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-48.93	-31.00	-17.93	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-46.92	-25.00	-21.92	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-35.96	-13.00	-22.96	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30499G	-18.60	-13.00	-5.60	-	-
2.315G	2.316G	51k	200k	RMS	2.315G	-58.13	-13.00	-45.13	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-48.51	-13.00	-35.51	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3235G	-48.89	-25.00	-23.89	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-49.04	-31.00	-18.04	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3325G	-49.03	-37.00	-12.03	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-48.93	-31.00	-17.93	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3435G	-49.03	-25.00	-24.03	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3535G	-48.97	-13.00	-35.97	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4585G	-48.80	-40.00	-8.80	MBW 1M	-



Band 30_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

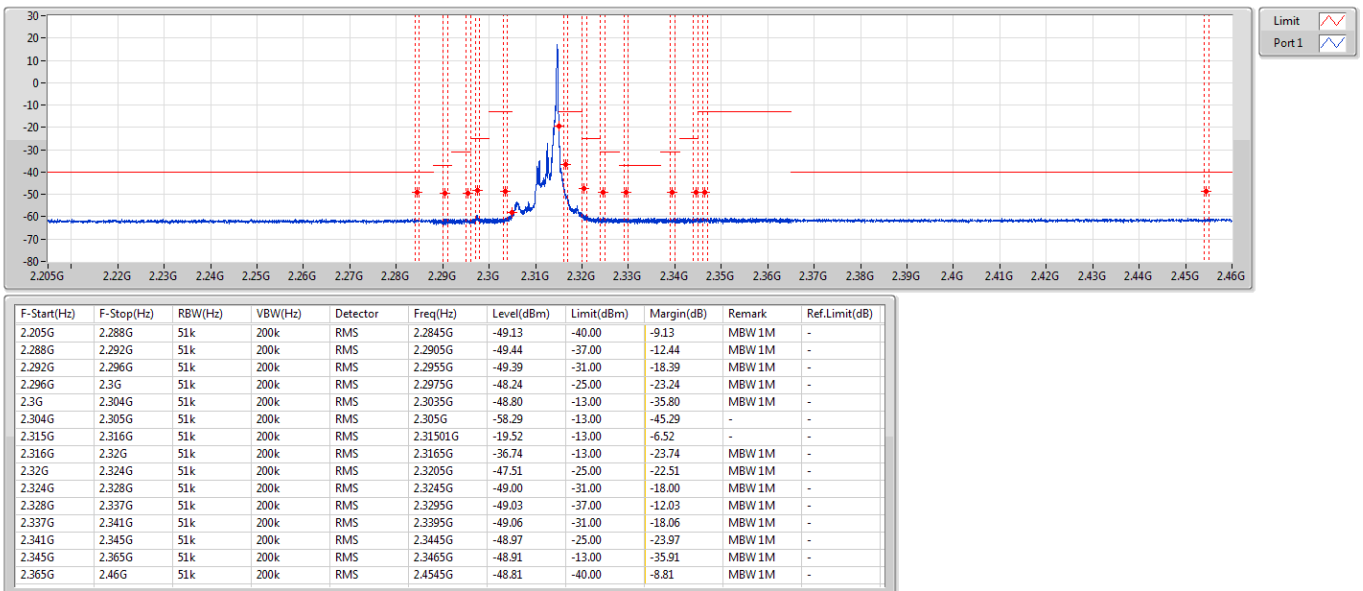
2312.5MHz_64QAM_RB 25,#RB 0



Band 30_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

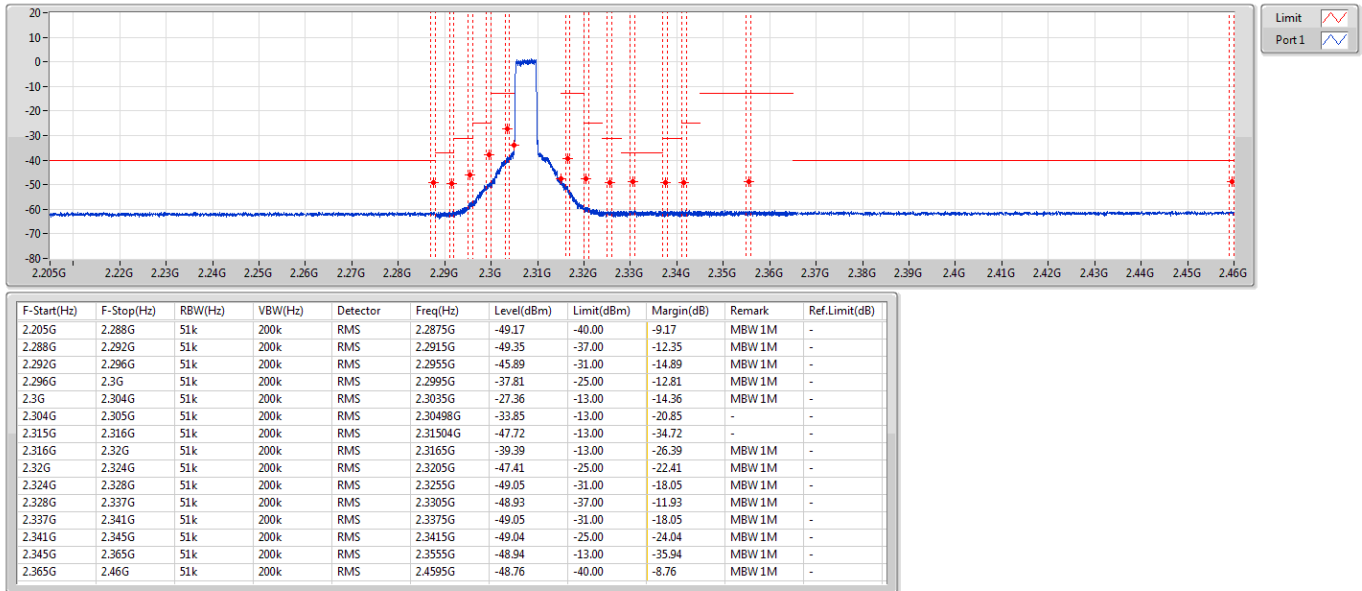
2312.5MHz_64QAM_RB 1,#RB R





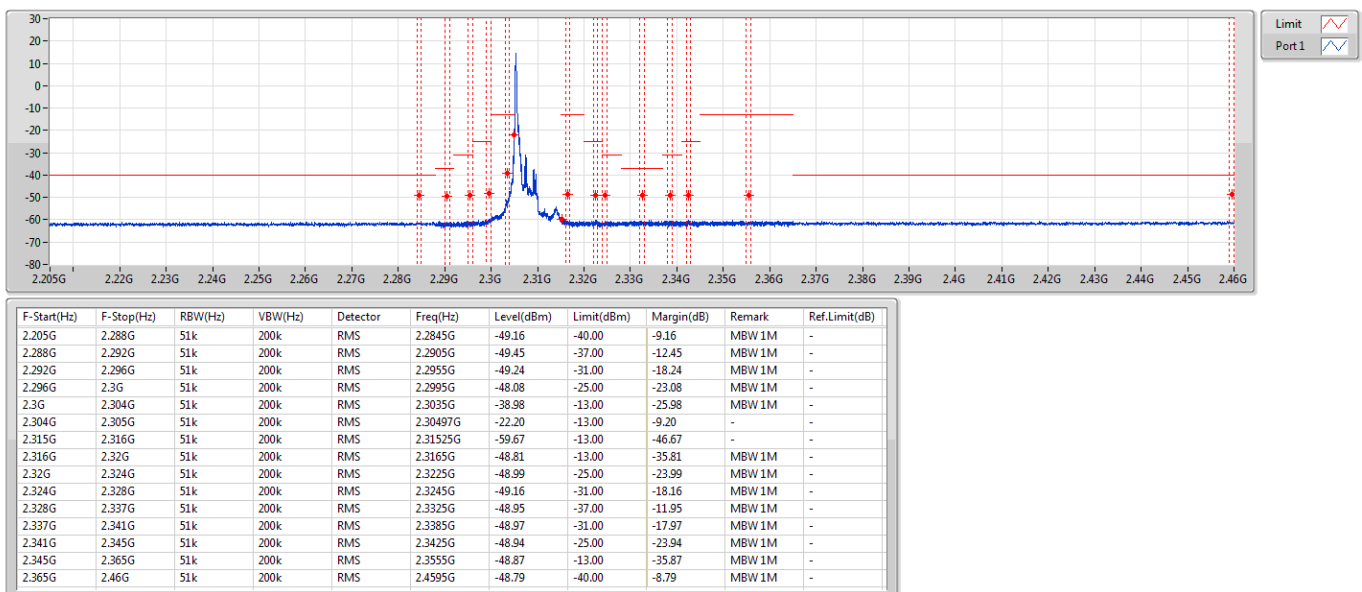
Band 30_LTE_5MHz_Nss1,256QAM_1TX
2307.5MHz_256QAM_RB 25,#RB 0

CSE-TX-Sum



Band 30_LTE_5MHz_Nss1,256QAM_1TX
2307.5MHz_256QAM_RB 1,#RB L

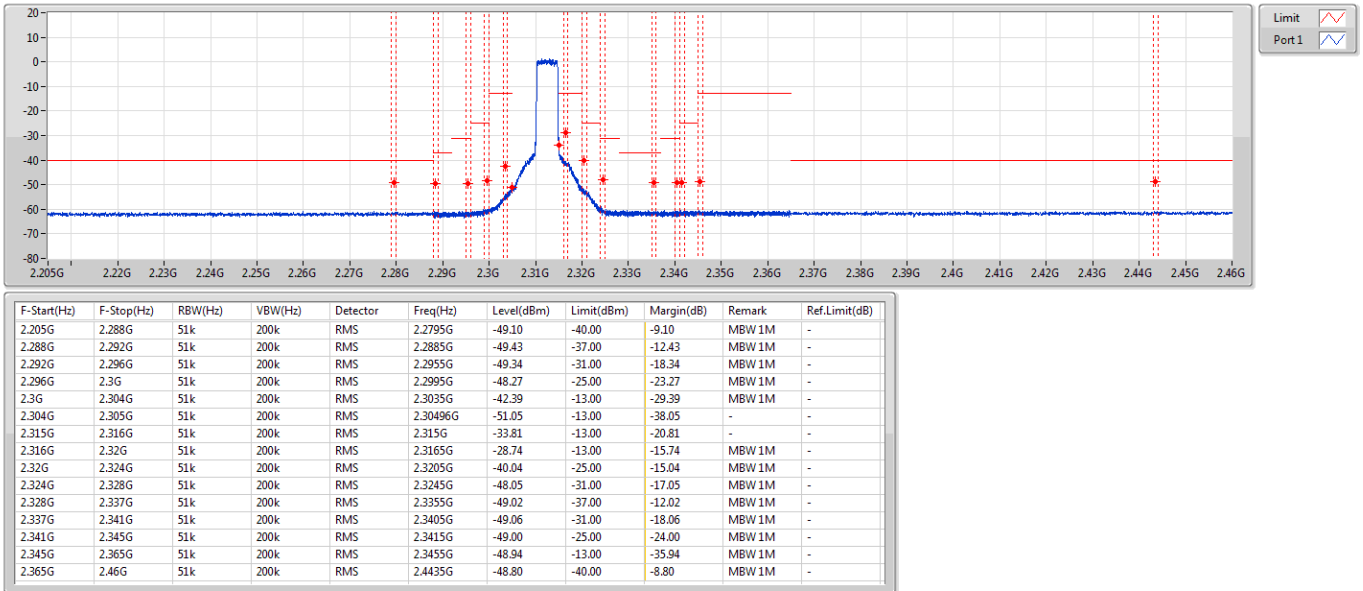
CSE-TX-Sum





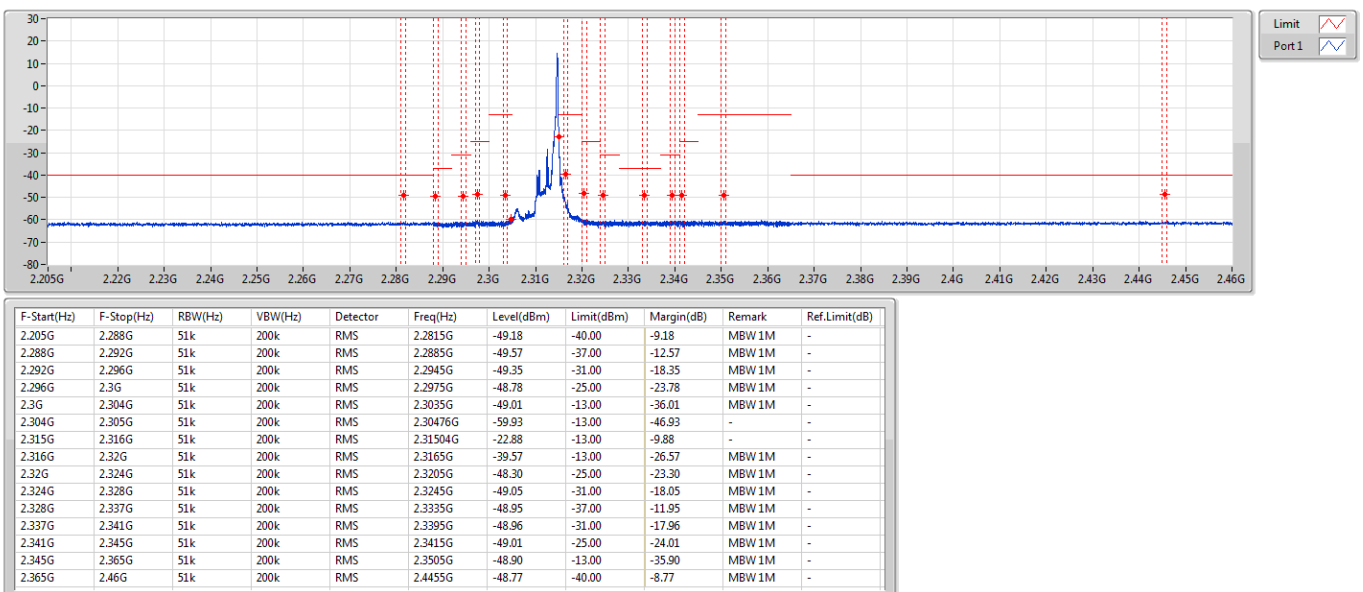
Band 30_LTE_5MHz_Nss1,256QAM_1TX
2312.5MHz_256QAM_RB 25,#RB 0

CSE-TX-Sum



Band 30_LTE_5MHz_Nss1,256QAM_1TX
2312.5MHz_256QAM_RB 1,#RB R

CSE-TX-Sum





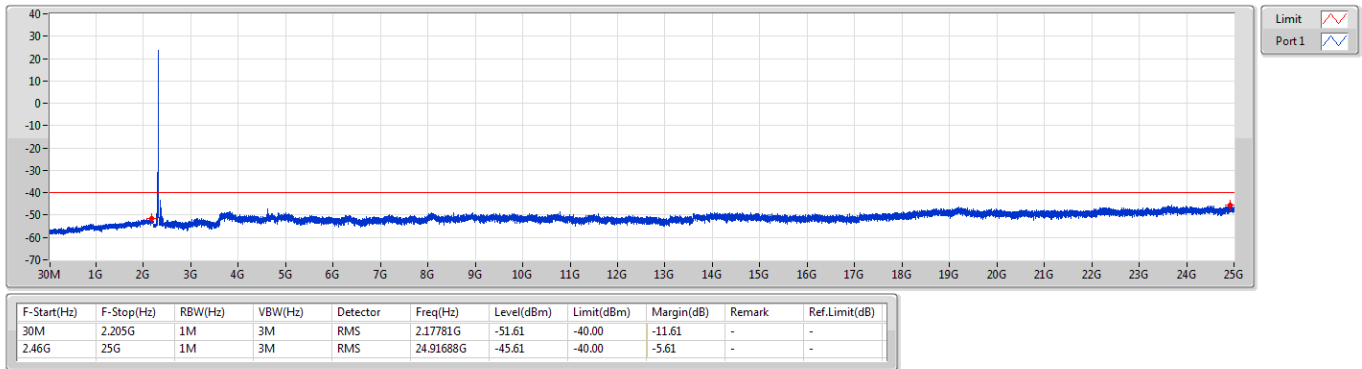
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 40	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2.46G	25G	1M	3M	RMS	24.91688G	-45.61	-40.00	-5.61	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.46G	25G	1M	3M	RMS	4.62454G	-44.14	-40.00	-4.14	-	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

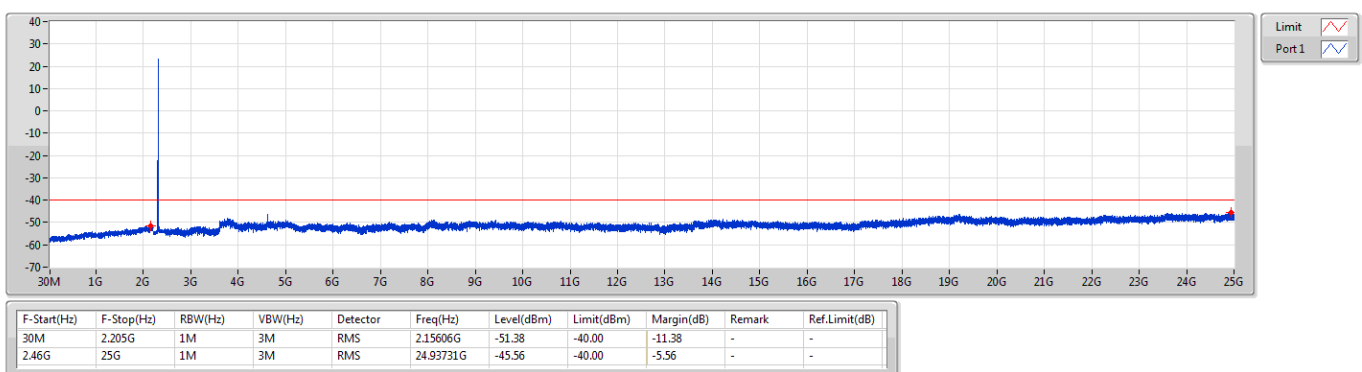
2310MHz_QPSK_RB 1



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

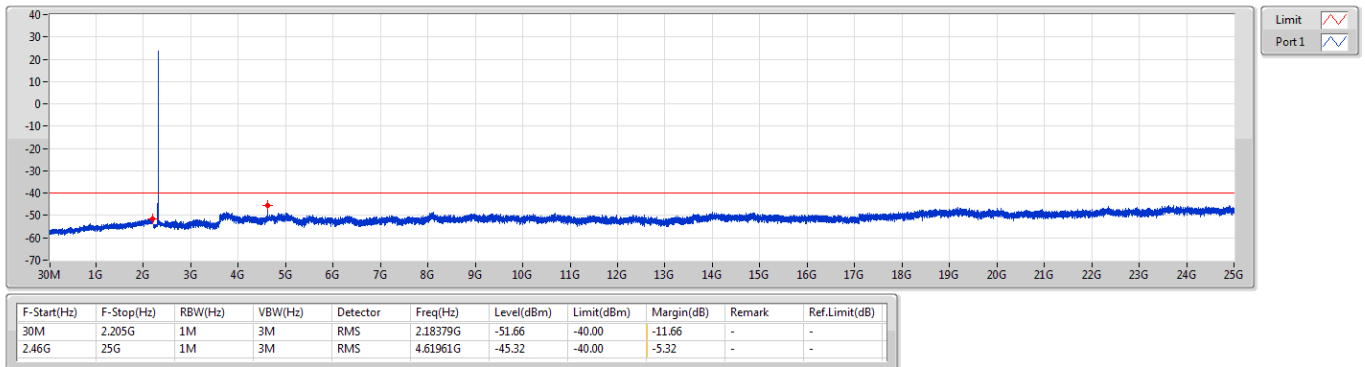
2307.5MHz_QPSK_RB 1



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

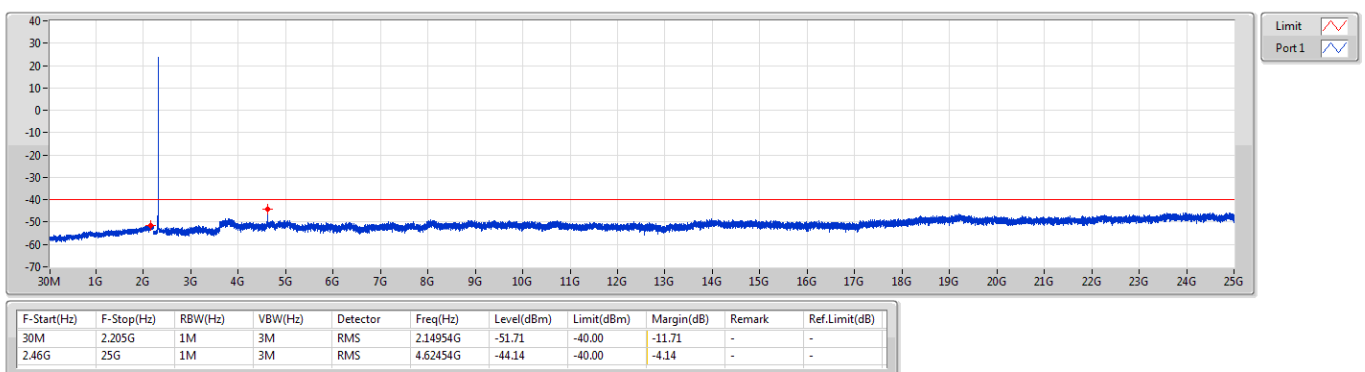
2310MHz_QPSK_RB 1



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1



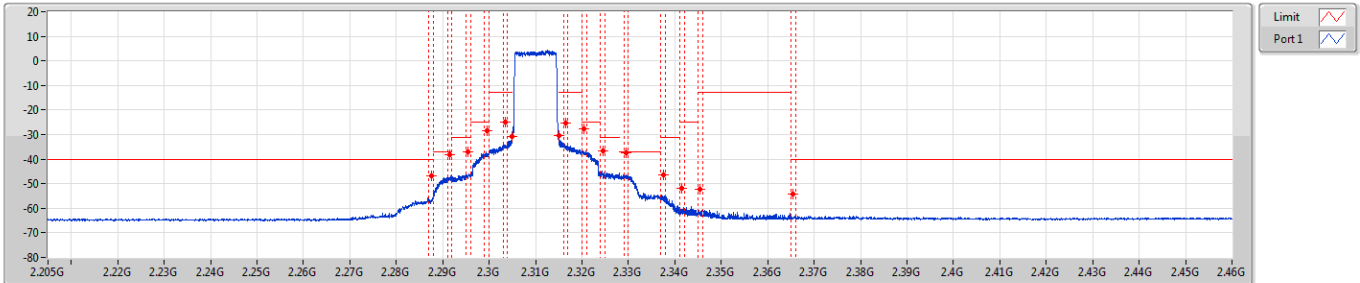
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 40	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3295G	-37.49	-37.00	-0.49	MBW 1M	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-39.10	-37.00	-2.10	MBW 1M	-
LTE_10MHz_Nss1,64QAM_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-40.39	-37.00	-3.39	MBW 1M	-
LTE_10MHz_Nss1,256QAM_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-43.66	-37.00	-6.66	MBW 1M	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.305G	-16.22	-13.00	-3.22	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.305G	-15.99	-13.00	-2.99	-	-
LTE_5MHz_Nss1,64QAM_1TX	Pass	2.315G	2.316G	51k	200k	RMS	2.315G	-18.09	-13.00	-5.09	-	-
LTE_5MHz_Nss1,256QAM_1TX	Pass	2.304G	2.305G	51k	200k	RMS	2.305G	-19.22	-13.00	-6.22	-	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 50,#RB 0

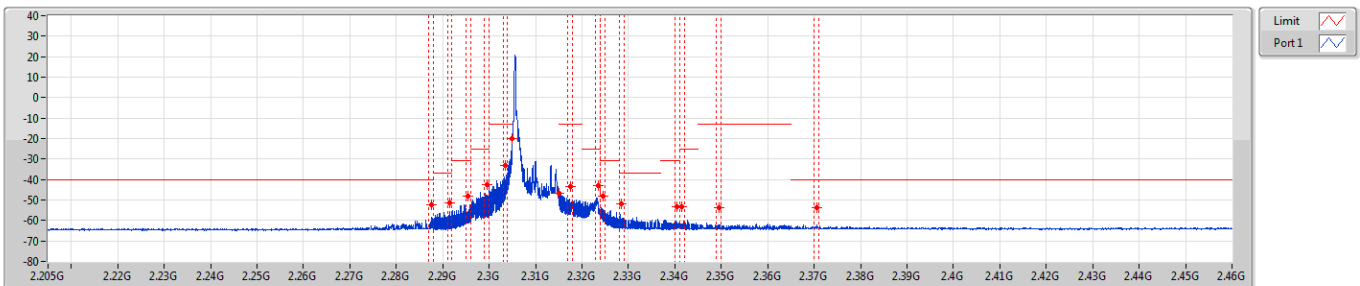


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-46.98	-40.00	-6.98	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-38.17	-37.00	-1.17	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-37.22	-31.00	-6.22	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-28.40	-25.00	-3.40	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-25.06	-13.00	-12.06	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30497G	-30.67	-13.00	-17.67	-	-
2.315G	2.316G	100k	300k	RMS	2.31501G	-30.52	-13.00	-17.52	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-25.16	-13.00	-12.16	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-27.77	-25.00	-2.77	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-36.61	-31.00	-5.61	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3295G	-37.49	-37.00	-0.49	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-46.33	-31.00	-15.33	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.79	-25.00	-26.79	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3455G	-52.33	-13.00	-39.33	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3655G	-54.16	-40.00	-14.16	MBW 1M	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 1,#RB L

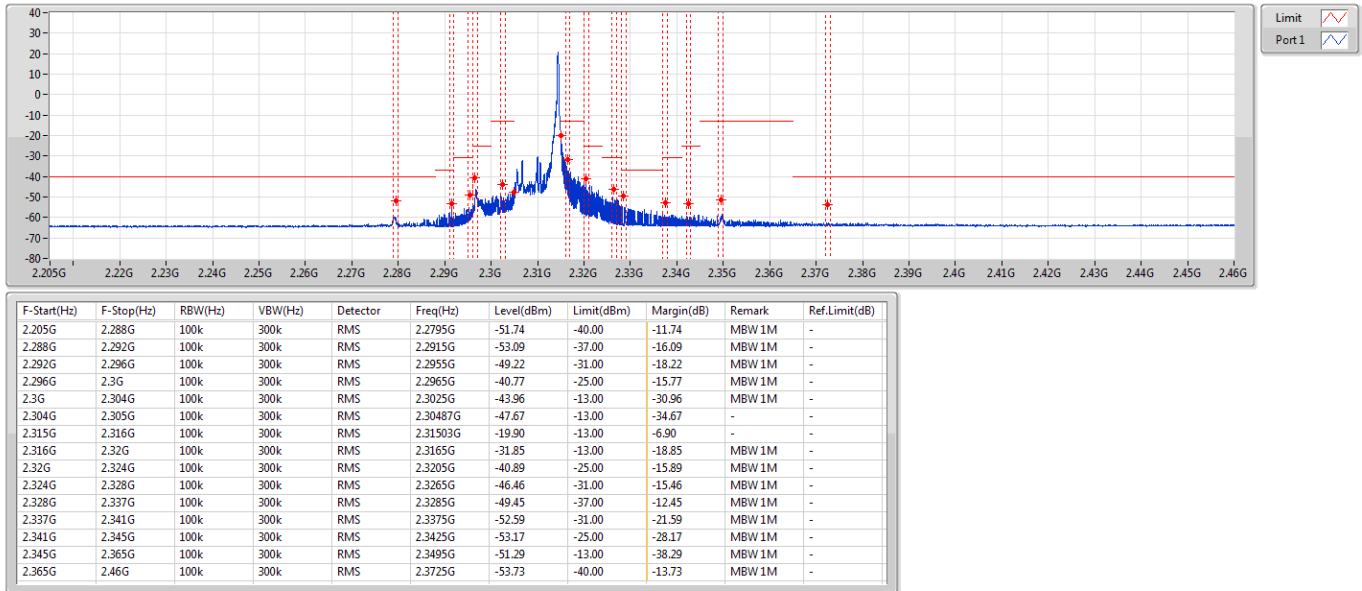


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-52.36	-40.00	-12.36	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-51.48	-37.00	-14.48	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-48.06	-31.00	-17.06	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-42.48	-25.00	-17.48	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-33.12	-13.00	-20.12	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30498G	-20.04	-13.00	-7.04	-	-
2.315G	2.316G	100k	300k	RMS	2.31503G	-46.54	-13.00	-33.54	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-43.56	-13.00	-30.56	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3235G	-42.74	-25.00	-17.74	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-47.90	-31.00	-16.90	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-51.91	-37.00	-14.91	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3405G	-53.17	-31.00	-22.17	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-53.35	-25.00	-28.35	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3495G	-53.59	-13.00	-40.59	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3705G	-53.80	-40.00	-13.80	MBW 1M	-



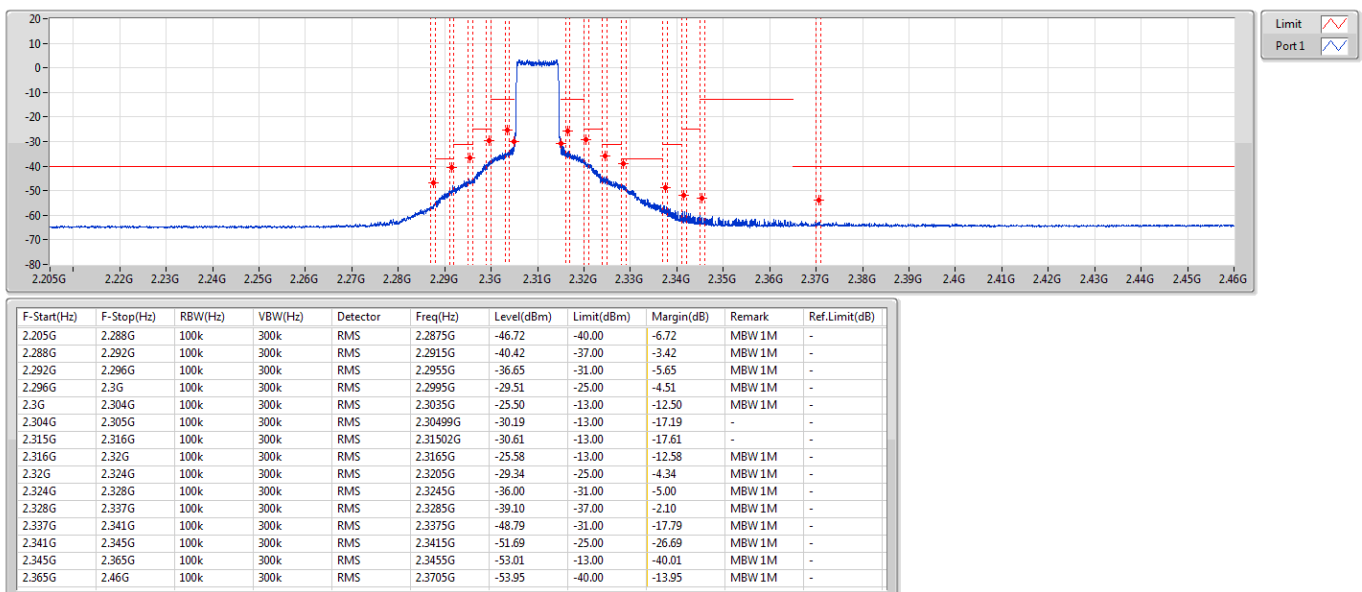
Band 40_LTE_10MHz_Nss1,QPSK_1TX
2310MHz_QPSK_RB 1,#RB R

CSE-TX-Sum



Band 40_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 50,#RB 0

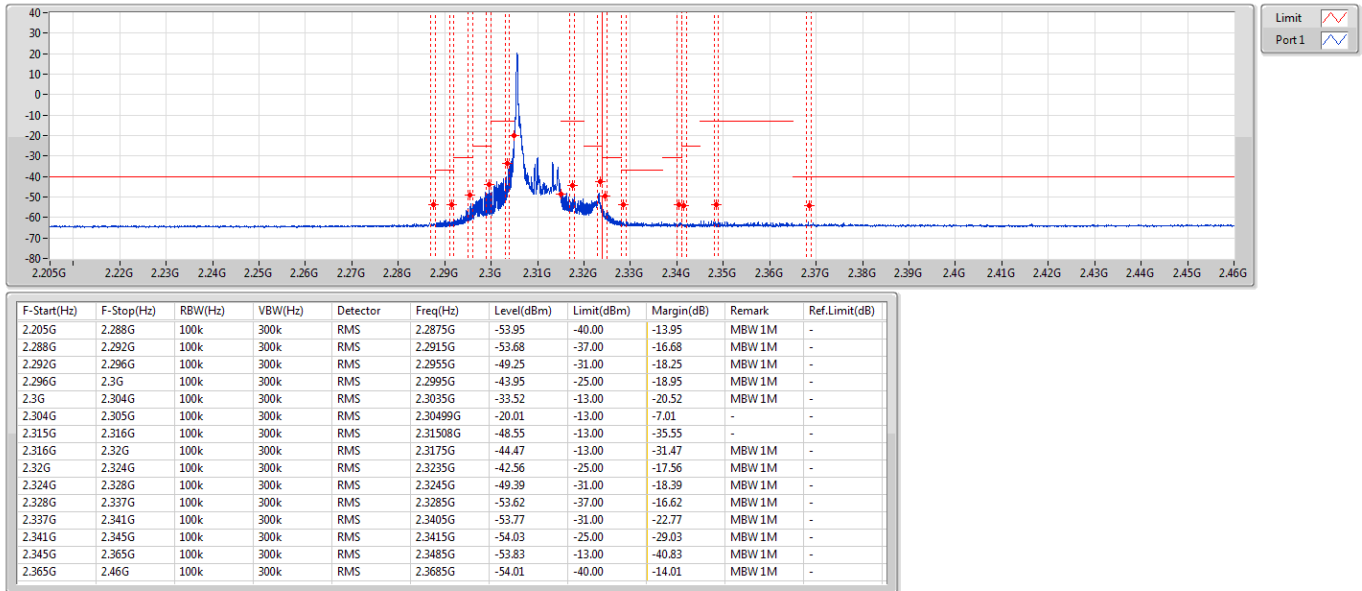
CSE-TX-Sum





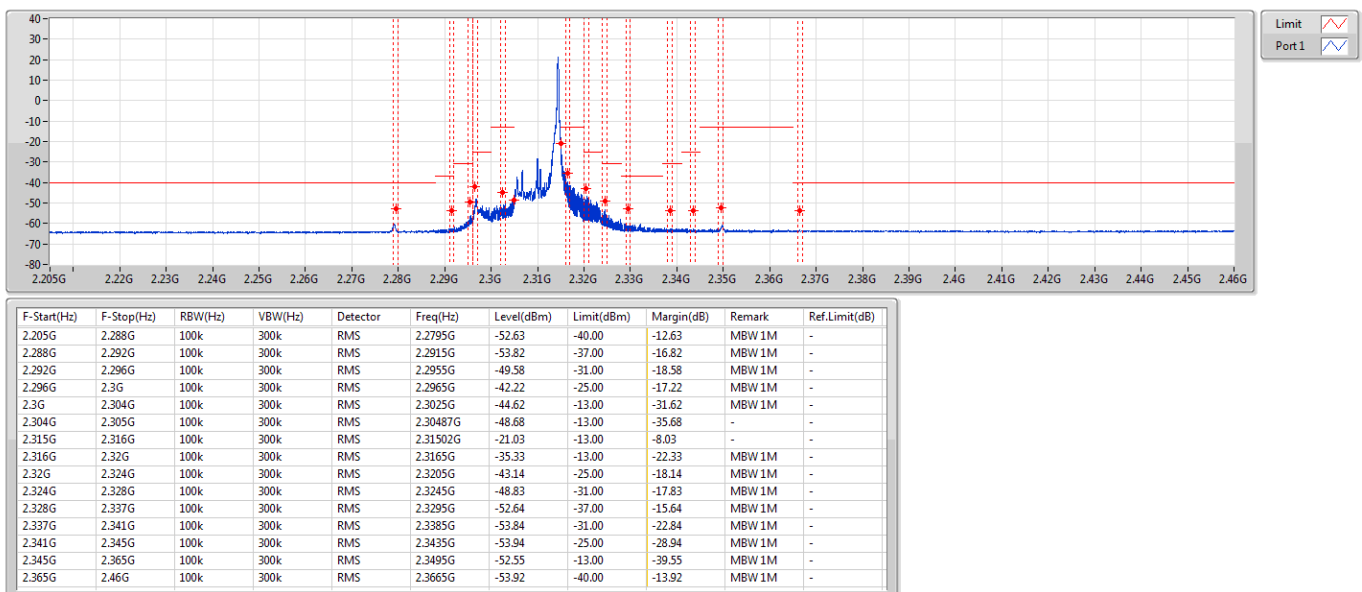
Band 40_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 1,#RB L

CSE-TX-Sum



Band 40_LTE_10MHz_Nss1,16QAM_1TX
2310MHz_16QAM_RB 1,#RB R

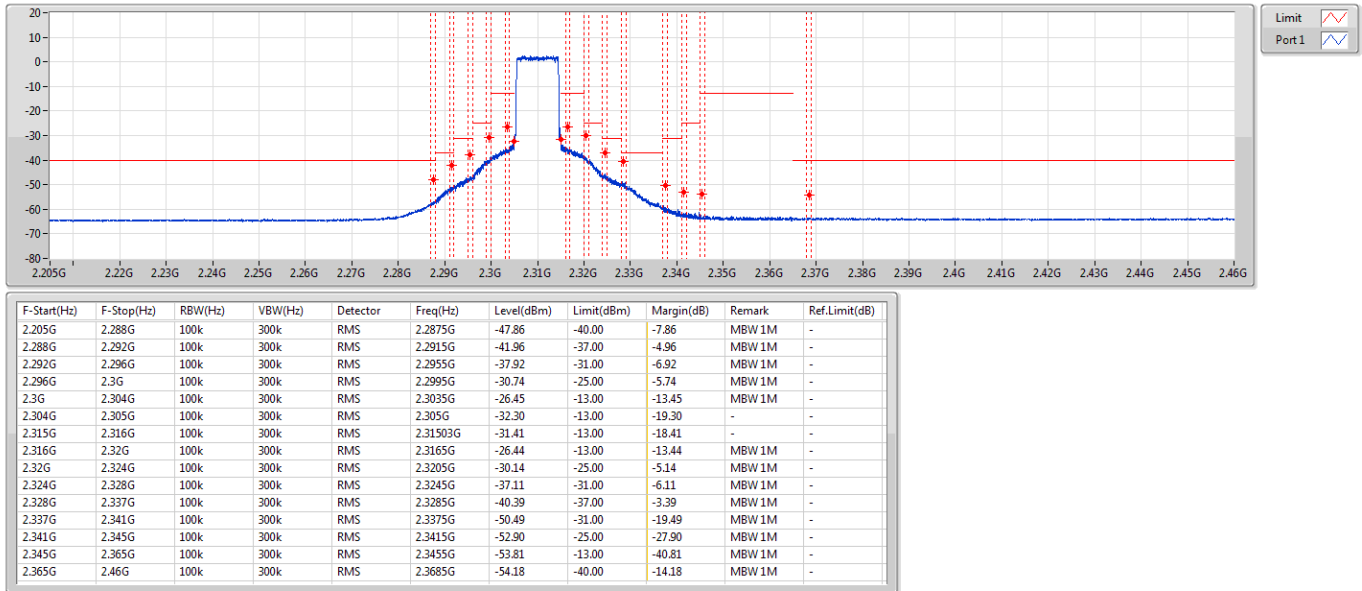
CSE-TX-Sum





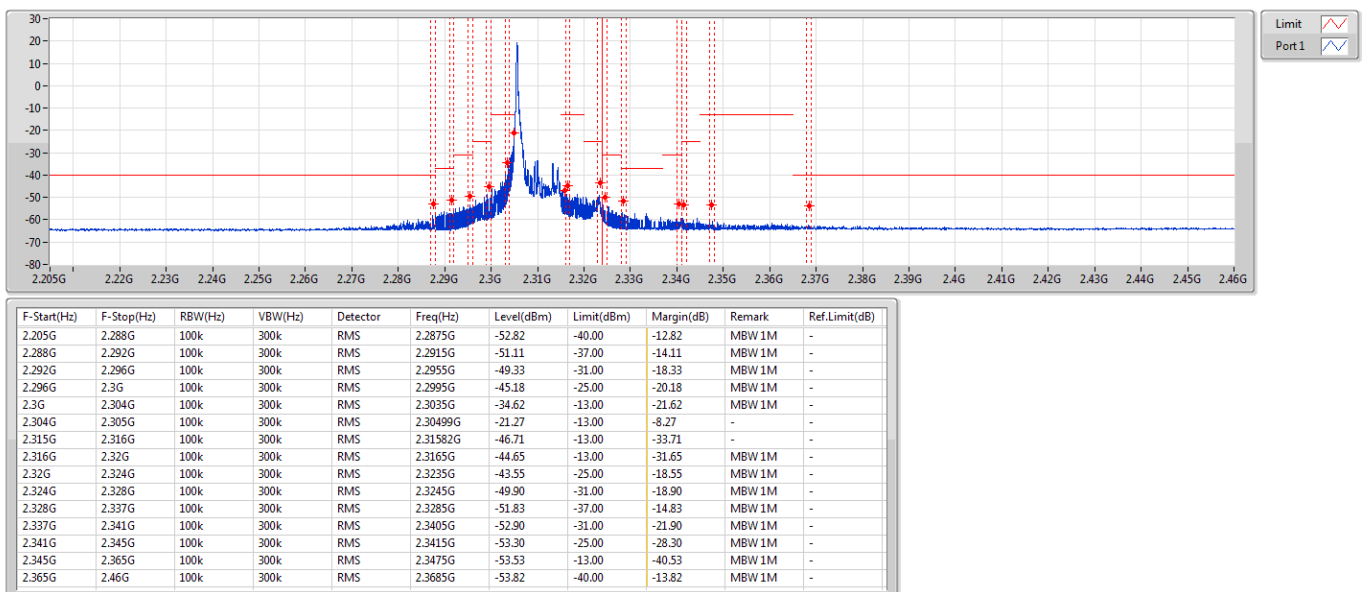
Band 40_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 50,#RB 0

CSE-TX-Sum



Band 40_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 1,#RB L

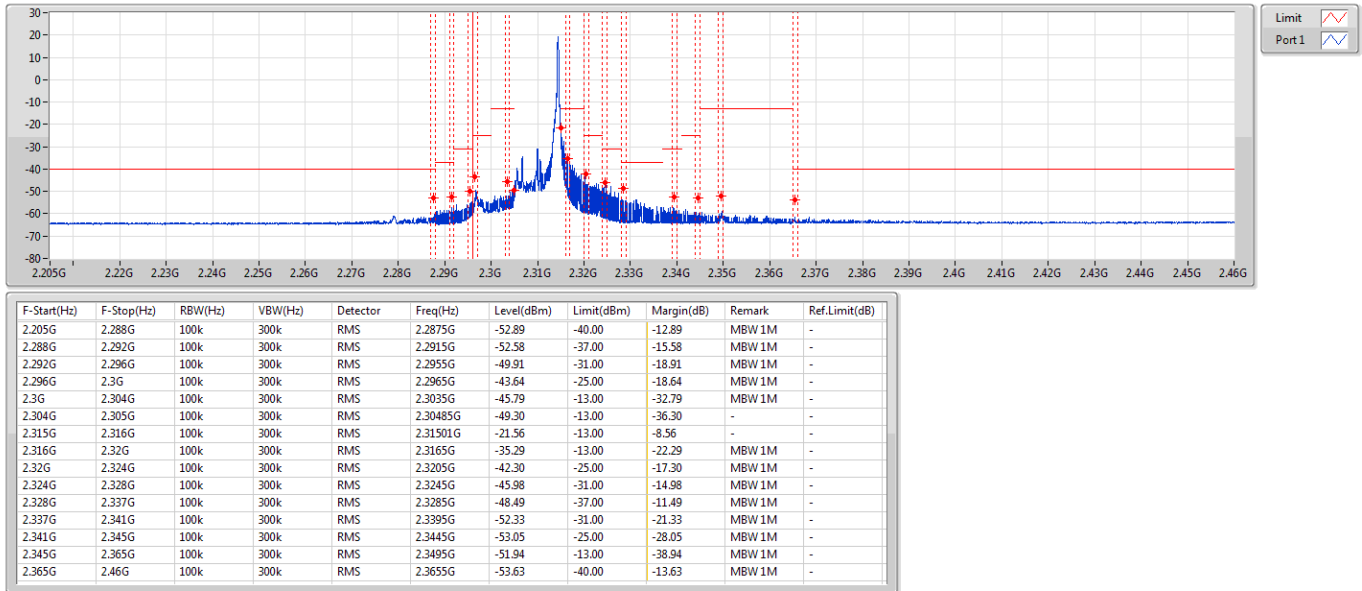
CSE-TX-Sum





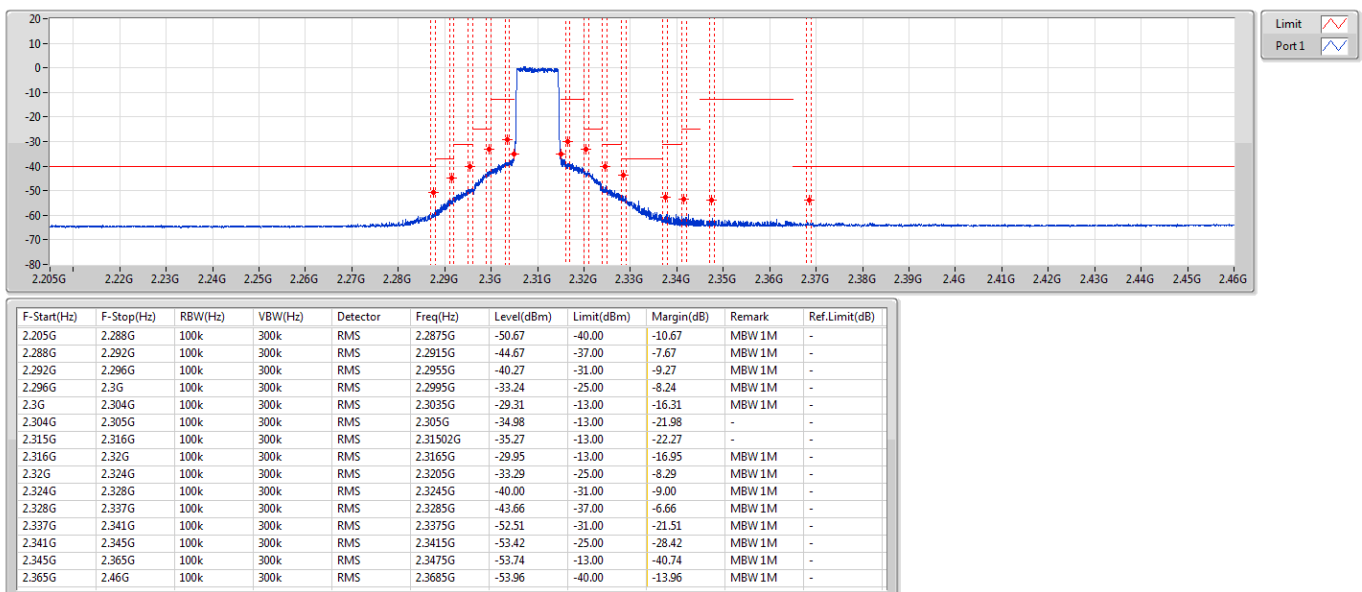
Band 40_LTE_10MHz_Nss1,64QAM_1TX
2310MHz_64QAM_RB 1,#RB R

CSE-TX-Sum



Band 40_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 50,#RB 0

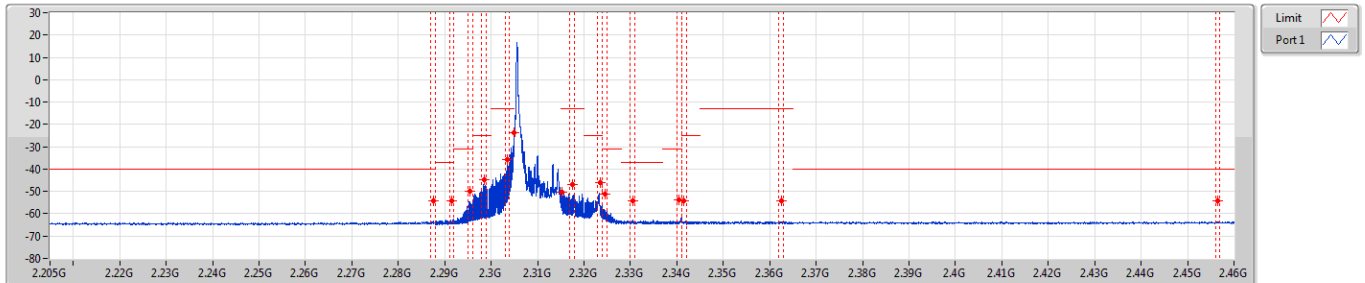
CSE-TX-Sum





Band 40_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 1,#RB L

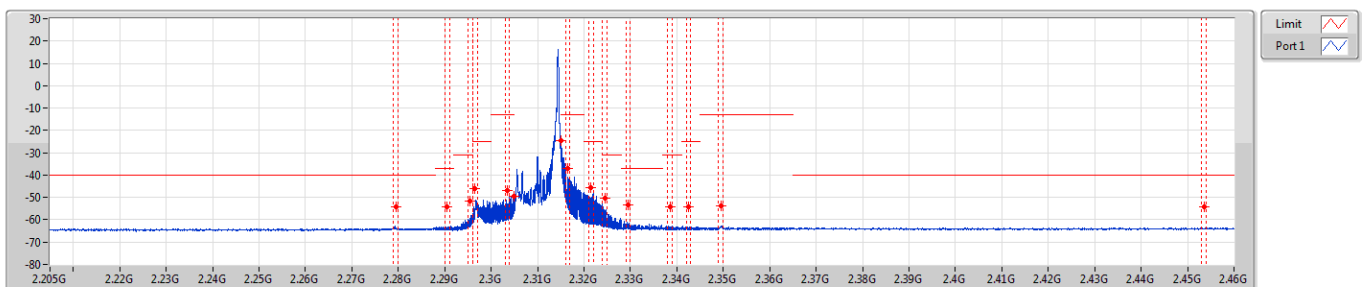
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-54.18	-40.00	-14.18	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-54.30	-37.00	-17.30	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-50.02	-31.00	-19.02	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2985G	-44.95	-25.00	-19.95	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-35.89	-13.00	-22.89	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30497G	-23.72	-13.00	-10.72	-	-
2.315G	2.316G	100k	300k	RMS	2.31536G	-50.45	-13.00	-37.45	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-46.82	-13.00	-33.82	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3235G	-45.99	-25.00	-20.99	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-51.23	-31.00	-20.23	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3305G	-54.12	-37.00	-17.12	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3405G	-53.98	-31.00	-22.98	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-54.13	-25.00	-29.13	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3625G	-54.25	-13.00	-41.25	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4565G	-54.23	-40.00	-14.23	MBW 1M	-

Band 40_LTE_10MHz_Nss1,256QAM_1TX
2310MHz_256QAM_RB 1,#RB R

CSE-TX-Sum



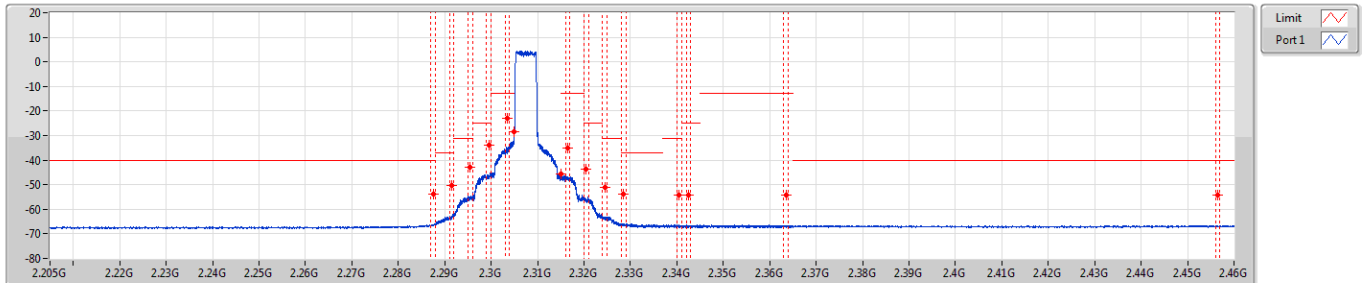
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2795G	-54.09	-40.00	-14.09	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2905G	-54.26	-37.00	-17.26	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-51.69	-31.00	-20.69	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2965G	-45.87	-25.00	-20.87	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-46.91	-13.00	-33.91	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30486G	-49.41	-13.00	-36.41	-	-
2.315G	2.316G	100k	300k	RMS	2.31502G	-24.36	-13.00	-11.36	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-37.19	-13.00	-24.19	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3215G	-45.64	-25.00	-20.64	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-50.26	-31.00	-19.26	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3295G	-53.51	-37.00	-16.51	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-54.16	-31.00	-23.16	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3425G	-54.20	-25.00	-29.20	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3495G	-53.66	-13.00	-40.66	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4535G	-54.22	-40.00	-14.22	MBW 1M	-



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 25,#RB 0

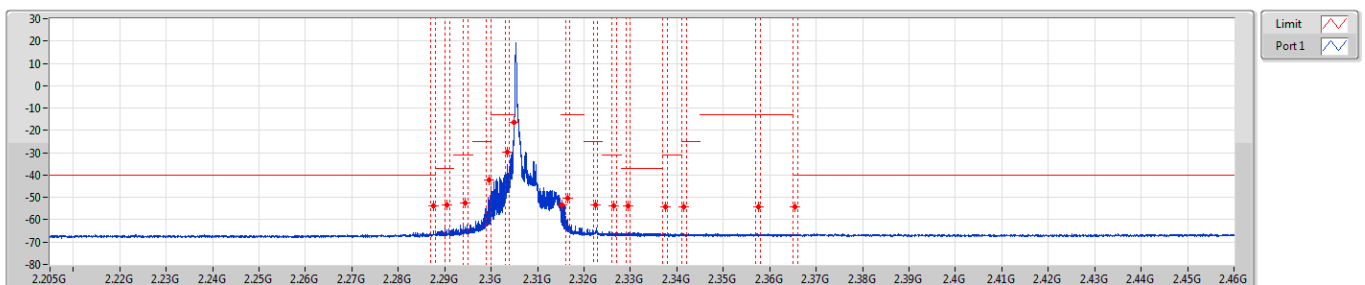


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-53.80	-40.00	-13.80	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-50.42	-37.00	-13.42	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-42.78	-31.00	-11.78	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-33.83	-25.00	-8.83	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-23.06	-13.00	-10.06	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30497G	-28.60	-13.00	-15.60	-	-
2.315G	2.316G	51k	200k	RMS	2.31504G	-45.69	-13.00	-32.69	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-34.97	-13.00	-21.97	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-43.50	-25.00	-18.50	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-50.90	-31.00	-19.90	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3285G	-53.66	-37.00	-16.66	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-54.23	-31.00	-23.23	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3425G	-54.26	-25.00	-29.26	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3635G	-54.30	-13.00	-41.30	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4565G	-54.23	-40.00	-14.23	MBW 1M	-

Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 1,#RB L



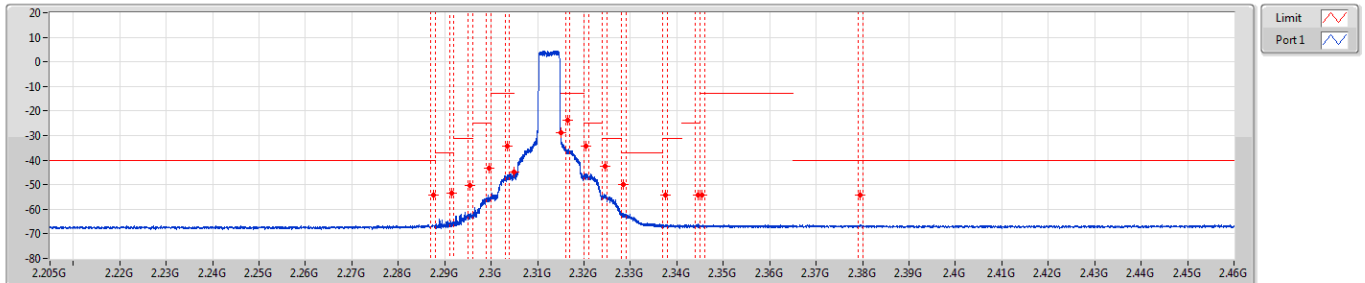
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-53.94	-40.00	-13.94	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2905G	-53.39	-37.00	-16.39	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2945G	-52.36	-31.00	-21.36	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-42.36	-25.00	-17.36	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-29.71	-13.00	-16.71	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-16.22	-13.00	-3.22	-	-
2.315G	2.316G	51k	200k	RMS	2.31533G	-53.35	-13.00	-40.35	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-50.29	-13.00	-37.29	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3225G	-53.17	-25.00	-28.17	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3265G	-53.92	-31.00	-22.92	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3295G	-53.89	-37.00	-16.89	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3375G	-54.20	-31.00	-23.20	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-54.17	-25.00	-29.17	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3575G	-54.13	-13.00	-41.13	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.3655G	-54.13	-40.00	-14.13	MBW 1M	-



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 25,#RB 0

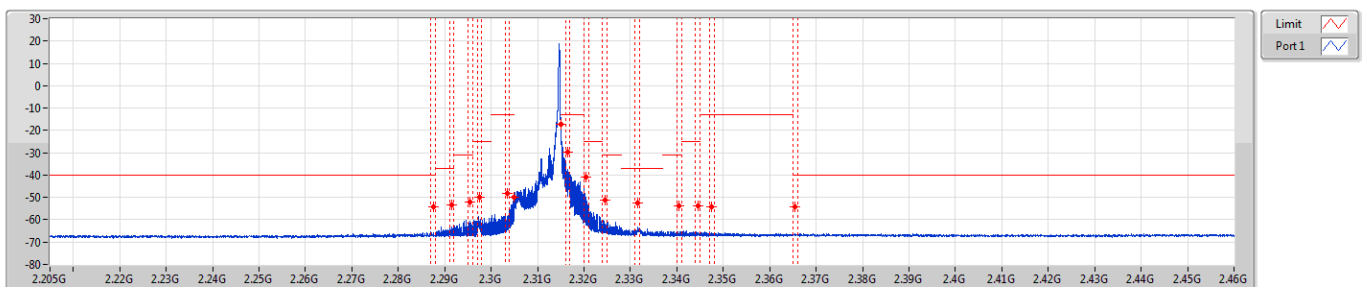


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-54.16	-40.00	-14.16	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-53.60	-37.00	-16.60	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-50.30	-31.00	-19.30	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-43.27	-25.00	-18.27	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-34.48	-13.00	-21.48	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-45.03	-13.00	-32.03	-	-
2.315G	2.316G	51k	200k	RMS	2.315G	-28.87	-13.00	-15.87	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-23.63	-13.00	-10.63	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-34.16	-25.00	-9.16	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-42.36	-31.00	-11.36	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3285G	-49.75	-37.00	-12.75	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3375G	-54.14	-31.00	-23.14	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3445G	-54.19	-25.00	-29.19	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3455G	-54.22	-13.00	-41.22	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.3795G	-54.18	-40.00	-14.18	MBW 1M	-

Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1,#RB R



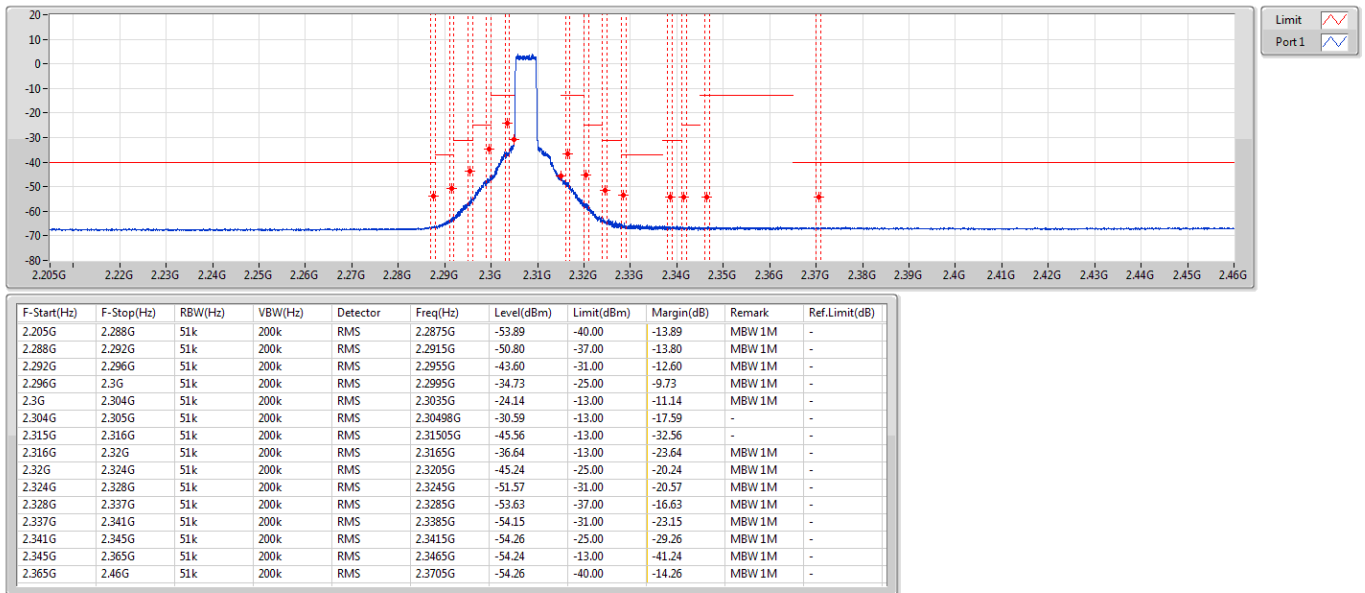
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-54.10	-40.00	-14.10	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-53.21	-37.00	-16.21	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-52.20	-31.00	-21.20	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2975G	-50.10	-25.00	-25.10	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-48.02	-13.00	-35.02	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.3049G	-49.88	-13.00	-36.88	-	-
2.315G	2.316G	51k	200k	RMS	2.31502G	-17.39	-13.00	-4.39	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-29.57	-13.00	-16.57	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-41.04	-25.00	-16.04	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-51.32	-31.00	-20.32	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3315G	-52.69	-37.00	-15.69	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3405G	-53.91	-31.00	-22.91	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3445G	-53.86	-25.00	-28.86	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3475G	-54.01	-13.00	-41.01	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.3655G	-54.14	-40.00	-14.14	MBW 1M	-



Band 40_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

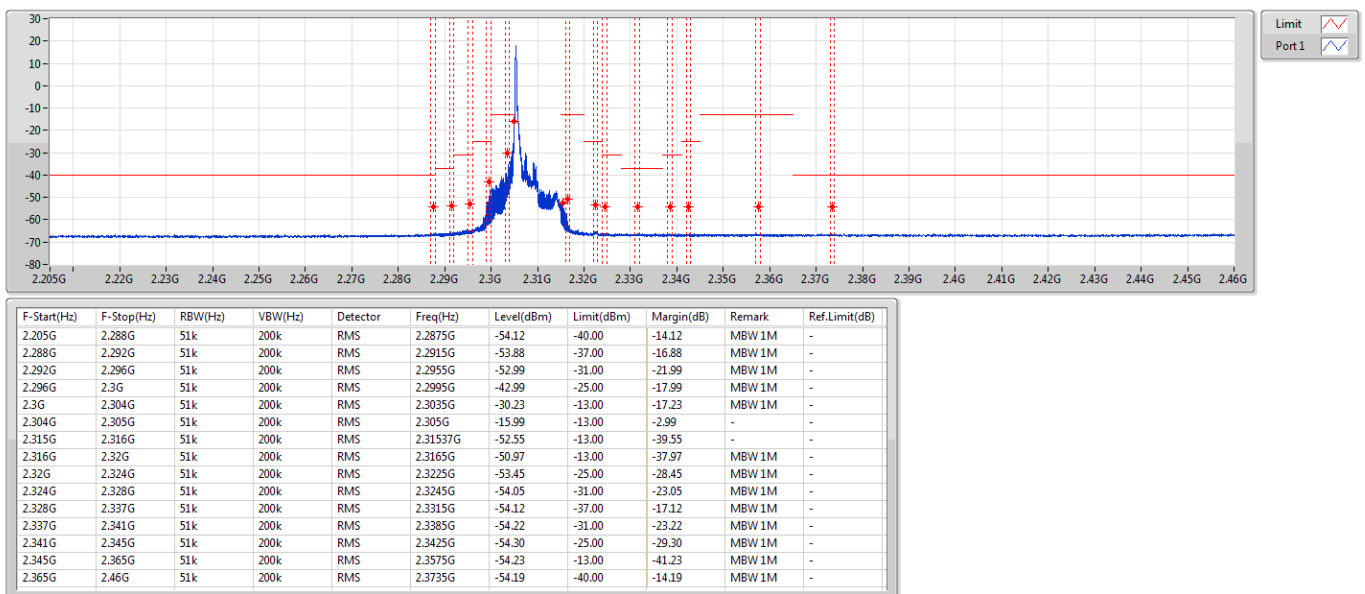
2307.5MHz_16QAM_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

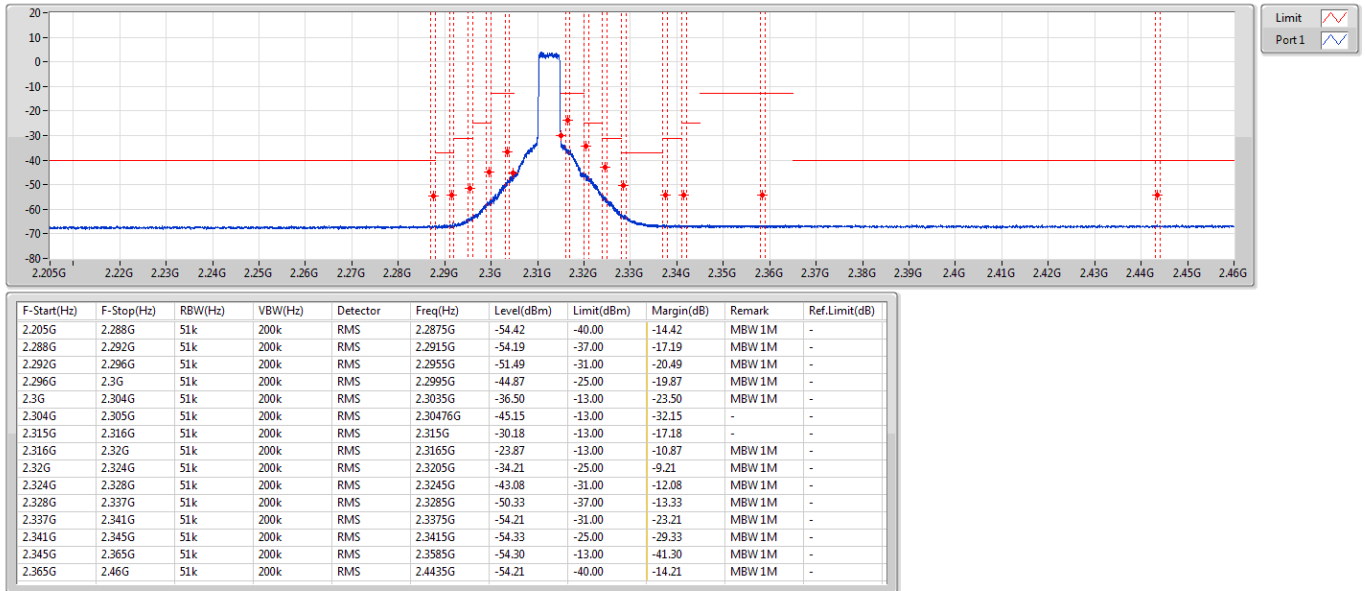
2307.5MHz_16QAM_RB 1,#RB L





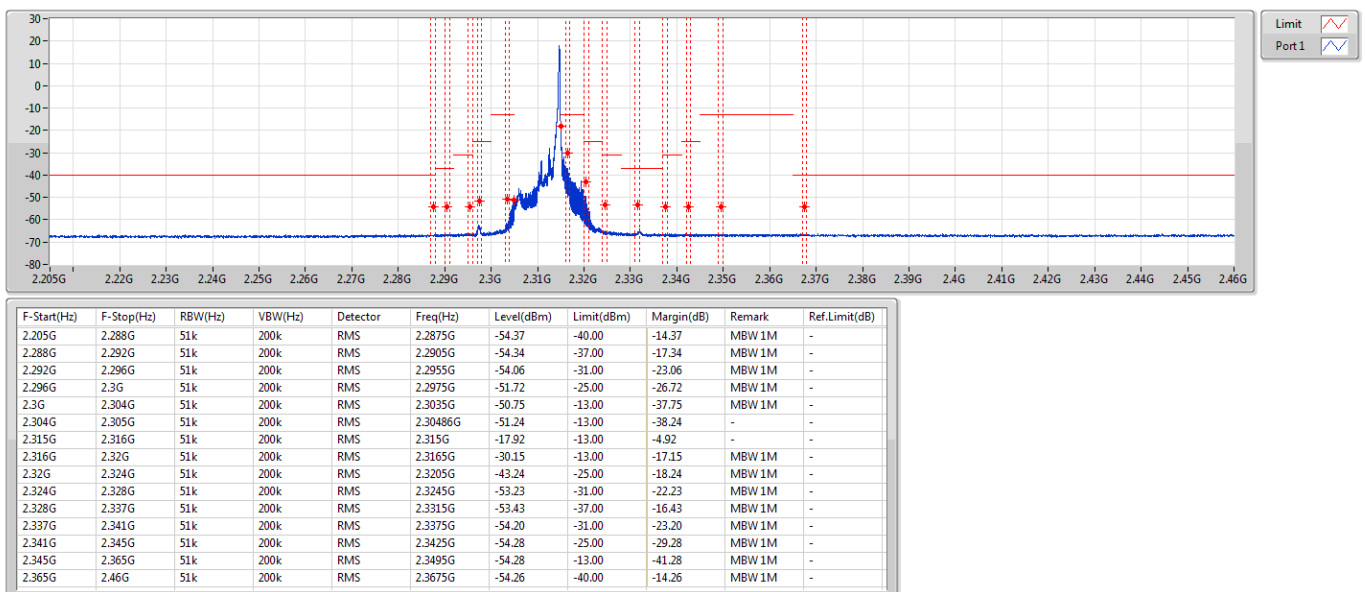
Band 40_LTE_5MHz_Nss1,16QAM_1TX
2312.5MHz_16QAM_RB 25,#RB 0

CSE-TX-Sum



Band 40_LTE_5MHz_Nss1,16QAM_1TX
2312.5MHz_16QAM_RB 1,#RB R

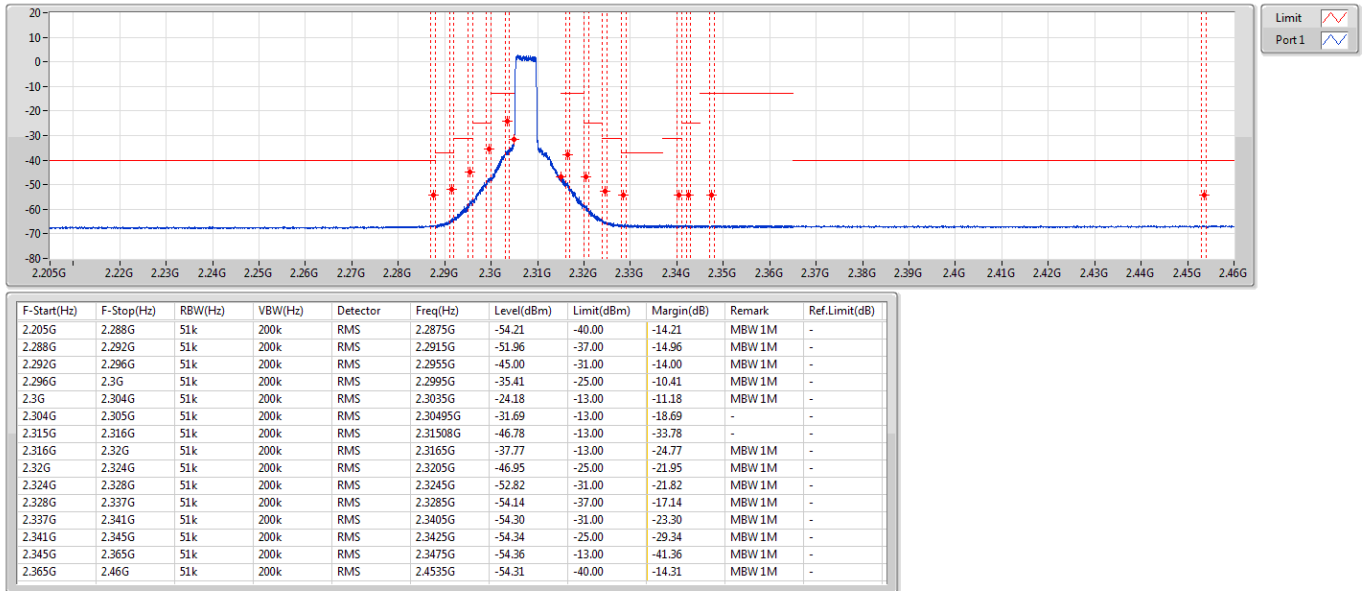
CSE-TX-Sum





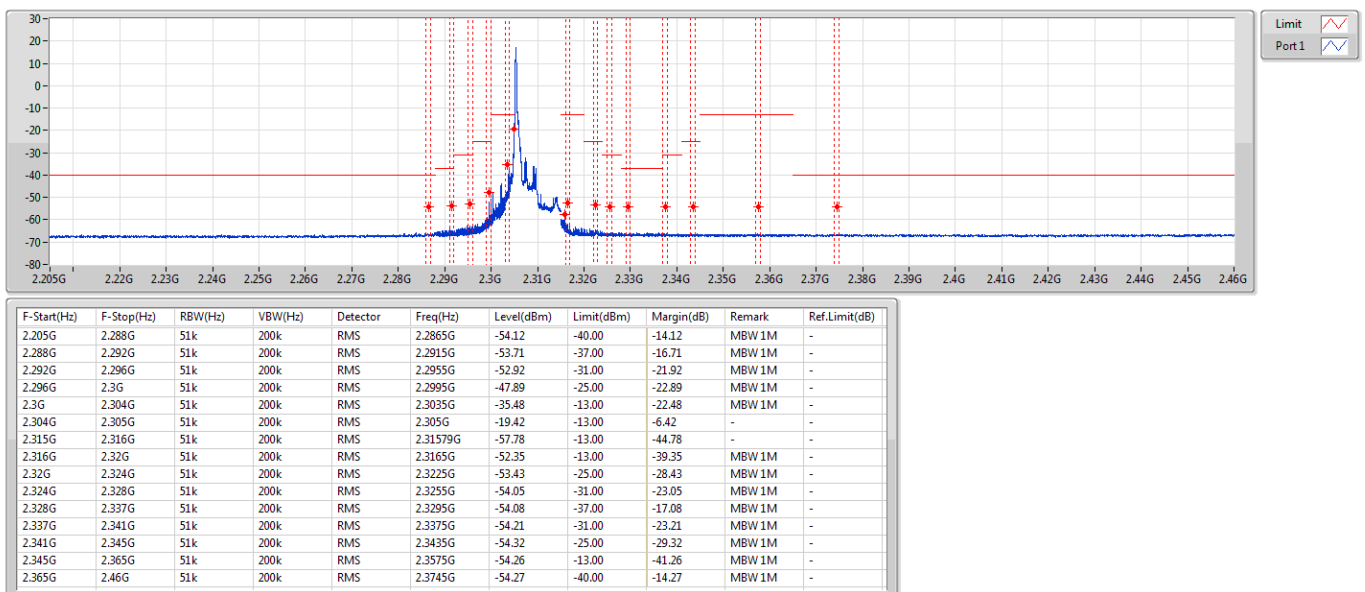
Band 40_LTE_5MHz_Nss1,64QAM_1TX
2307.5MHz_64QAM_RB 25,#RB 0

CSE-TX-Sum



Band 40_LTE_5MHz_Nss1,64QAM_1TX
2307.5MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

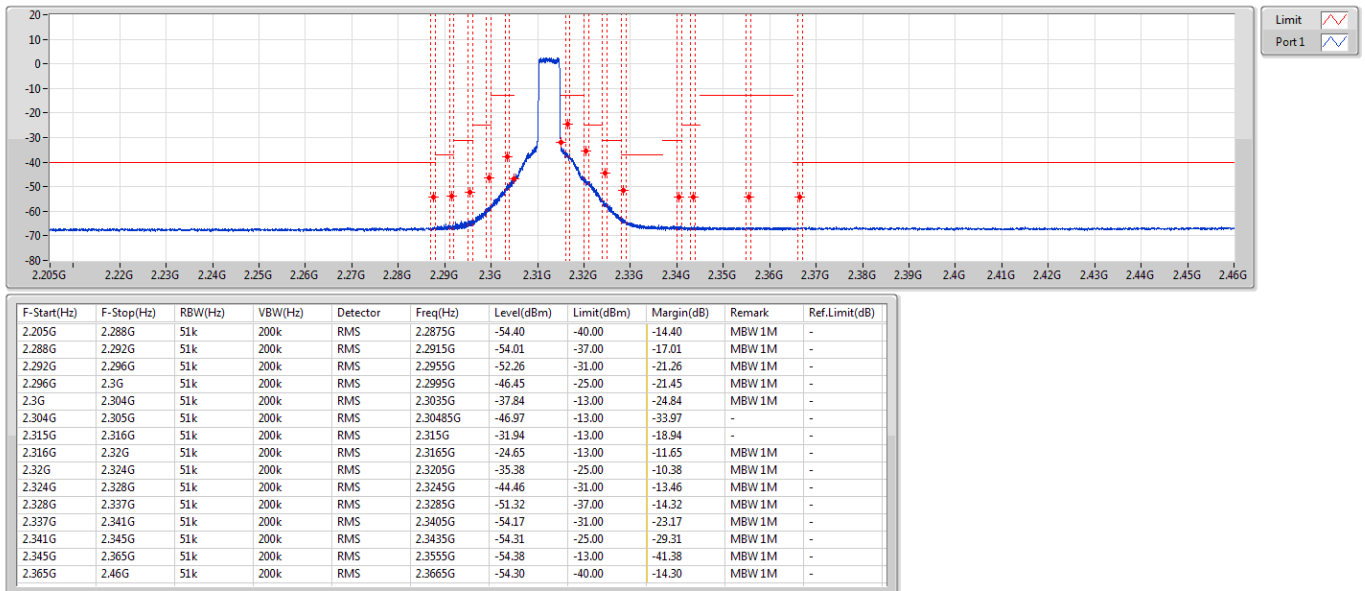




Band 40_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

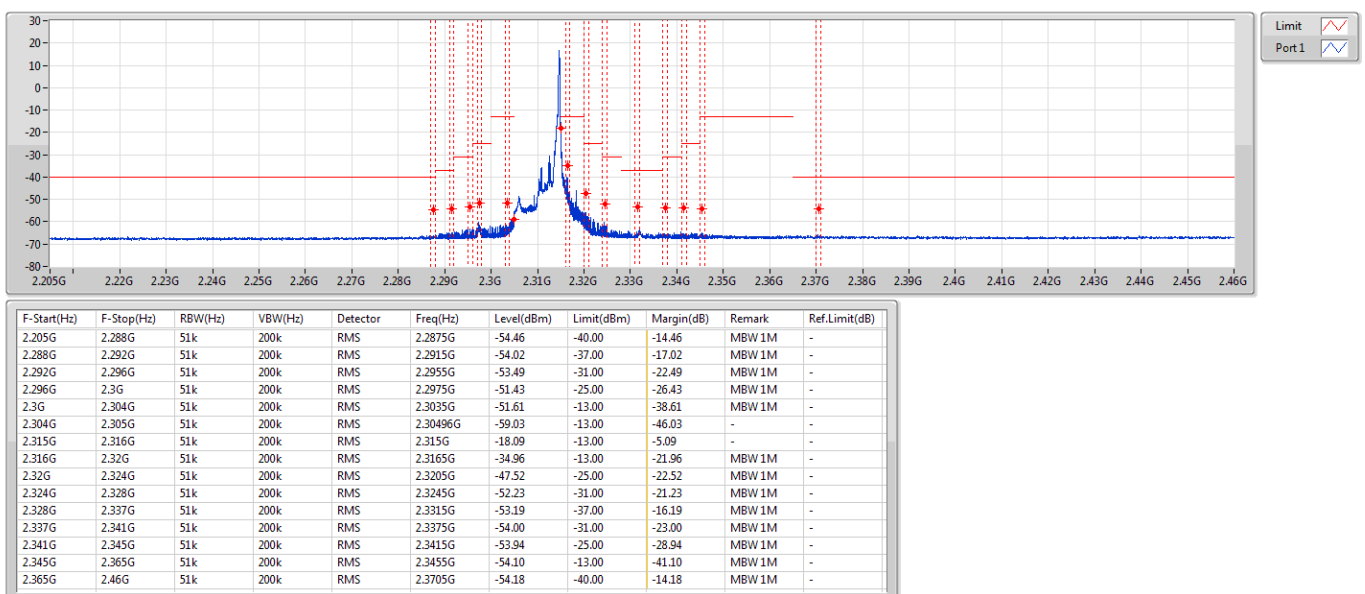
2312.5MHz_64QAM_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Sum

2312.5MHz_64QAM_RB 1,#RB R

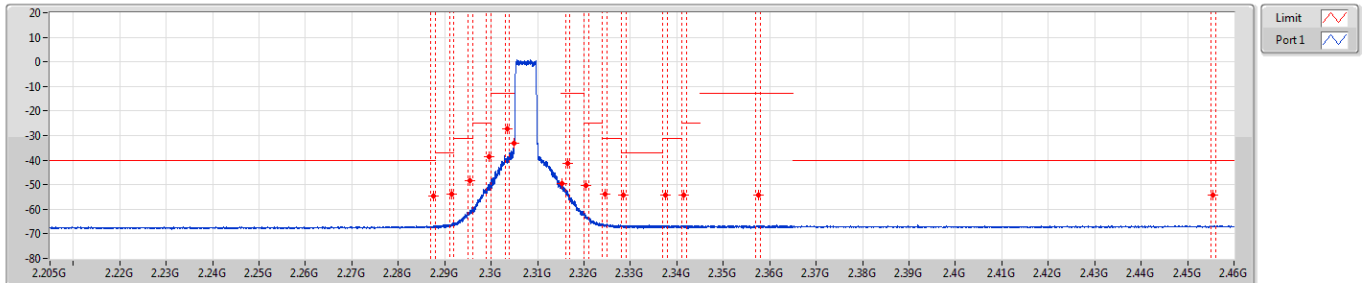




Band 40_LTE_5MHz_Nss1,256QAM_1TX

CSE-TX-Sum

2307.5MHz_256QAM_RB 25,#RB 0

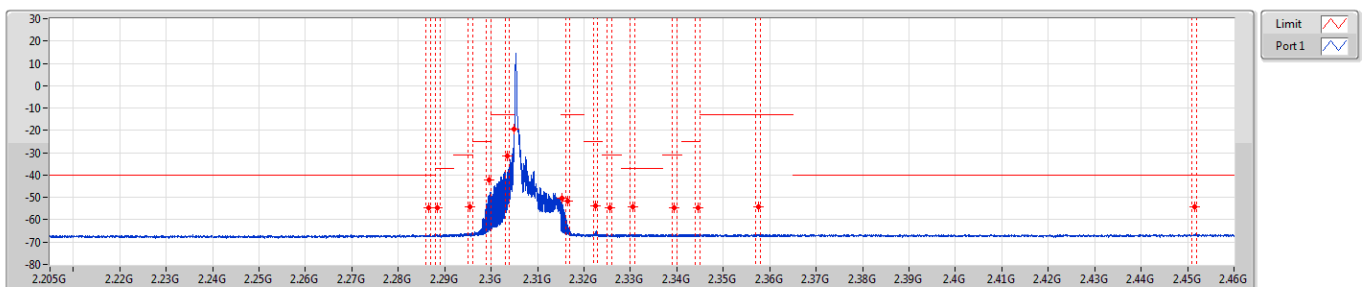


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-54.46	-40.00	-14.46	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-53.67	-37.00	-16.67	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-48.43	-31.00	-17.43	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-38.42	-25.00	-13.42	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-27.29	-13.00	-14.29	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30499G	-33.25	-13.00	-20.25	-	-
2.315G	2.316G	51k	200k	RMS	2.31528G	-49.45	-13.00	-36.45	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-41.27	-13.00	-28.27	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-50.35	-25.00	-25.35	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-53.90	-31.00	-22.90	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3285G	-54.35	-37.00	-17.35	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3375G	-54.38	-31.00	-23.38	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-54.41	-25.00	-29.41	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3575G	-54.39	-13.00	-41.39	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4555G	-54.33	-40.00	-14.33	MBW 1M	-

Band 40_LTE_5MHz_Nss1,256QAM_1TX

CSE-TX-Sum

2307.5MHz_256QAM_RB 1,#RB L

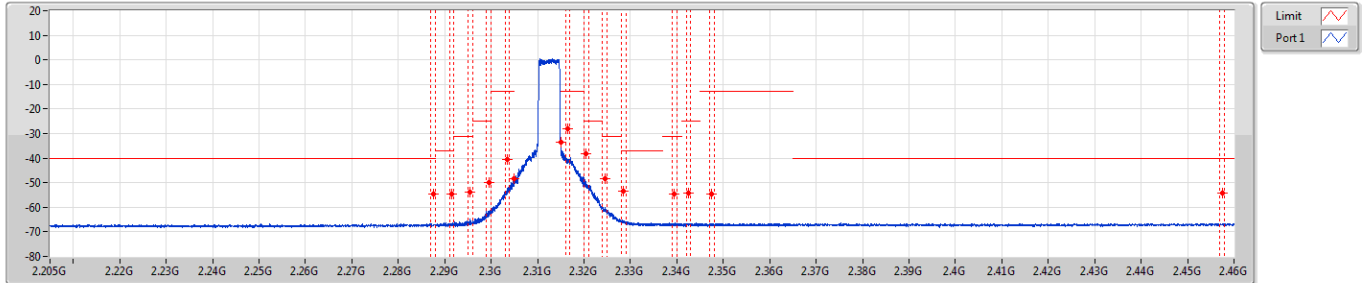


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2865G	-54.56	-40.00	-14.56	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2885G	-54.46	-37.00	-17.46	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-54.04	-31.00	-23.04	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-42.17	-25.00	-17.17	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-31.65	-13.00	-18.65	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.305G	-19.22	-13.00	-6.22	-	-
2.315G	2.316G	51k	200k	RMS	2.31523G	-50.29	-13.00	-37.29	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-51.68	-13.00	-38.68	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3225G	-53.92	-25.00	-28.92	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3255G	-54.47	-31.00	-23.47	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3305G	-54.43	-37.00	-17.43	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3395G	-54.44	-31.00	-23.44	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3445G	-54.44	-25.00	-29.44	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3575G	-54.40	-13.00	-41.40	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4515G	-54.32	-40.00	-14.32	MBW 1M	-



Band 40_LTE_5MHz_Nss1,256QAM_1TX
2312.5MHz_256QAM_RB 25,#RB 0

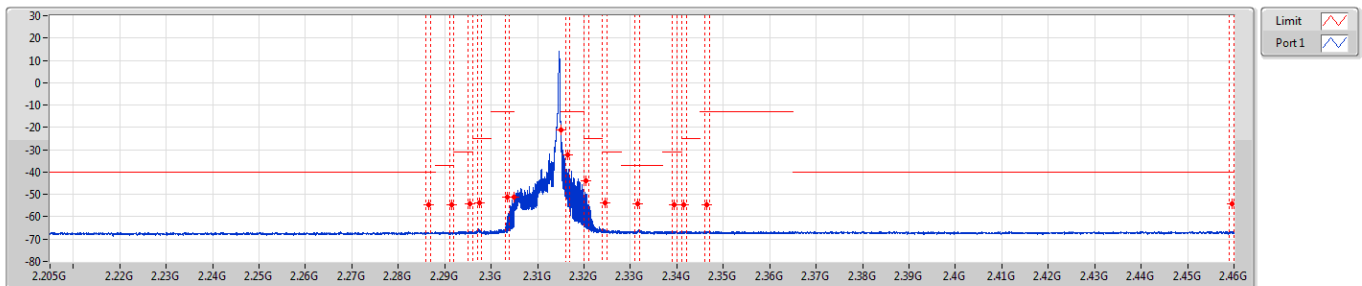
CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2875G	-54.58	-40.00	-14.58	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-54.50	-37.00	-17.50	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-53.88	-31.00	-22.88	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2995G	-49.94	-25.00	-24.94	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-40.67	-13.00	-27.67	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30498G	-48.48	-13.00	-35.48	-	-
2.315G	2.316G	51k	200k	RMS	2.315G	-33.69	-13.00	-20.69	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-28.20	-13.00	-15.20	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-38.36	-25.00	-13.36	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-48.45	-31.00	-17.45	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3285G	-53.37	-37.00	-16.37	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3395G	-54.43	-31.00	-23.43	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3425G	-54.41	-25.00	-29.41	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3475G	-54.44	-13.00	-41.44	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4575G	-54.37	-40.00	-14.37	MBW 1M	-

Band 40_LTE_5MHz_Nss1,256QAM_1TX
2312.5MHz_256QAM_RB 1,#RB R

CSE-TX-Sum



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	51k	200k	RMS	2.2865G	-54.69	-40.00	-14.69	MBW 1M	-
2.288G	2.292G	51k	200k	RMS	2.2915G	-54.67	-37.00	-17.67	MBW 1M	-
2.292G	2.296G	51k	200k	RMS	2.2955G	-54.42	-31.00	-23.42	MBW 1M	-
2.296G	2.3G	51k	200k	RMS	2.2975G	-53.93	-25.00	-28.93	MBW 1M	-
2.3G	2.304G	51k	200k	RMS	2.3035G	-51.34	-13.00	-38.34	MBW 1M	-
2.304G	2.305G	51k	200k	RMS	2.30486G	-51.03	-13.00	-38.03	-	-
2.315G	2.316G	51k	200k	RMS	2.315G	-21.09	-13.00	-8.09	-	-
2.316G	2.32G	51k	200k	RMS	2.3165G	-32.31	-13.00	-19.31	MBW 1M	-
2.32G	2.324G	51k	200k	RMS	2.3205G	-44.05	-25.00	-19.05	MBW 1M	-
2.324G	2.328G	51k	200k	RMS	2.3245G	-53.97	-31.00	-22.97	MBW 1M	-
2.328G	2.337G	51k	200k	RMS	2.3315G	-54.16	-37.00	-17.16	MBW 1M	-
2.337G	2.341G	51k	200k	RMS	2.3395G	-54.46	-31.00	-23.46	MBW 1M	-
2.341G	2.345G	51k	200k	RMS	2.3415G	-54.46	-25.00	-29.46	MBW 1M	-
2.345G	2.365G	51k	200k	RMS	2.3465G	-54.46	-13.00	-41.46	MBW 1M	-
2.365G	2.46G	51k	200k	RMS	2.4595G	-54.35	-40.00	-14.35	MBW 1M	-

Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 30	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	9.5M	8.917M	8M92G7D	9.5M	8.917M
LTE_10MHz_Nss1,16QAM_1TX	9.513M	8.912M	8M91W7D	9.513M	8.912M
LTE_10MHz_Nss1,64QAM_1TX	9.538M	8.922M	8M92W7D	9.538M	8.922M
LTE_10MHz_Nss1,256QAM_1TX	9.5M	8.936M	8M94W7D	9.5M	8.936M
LTE_5MHz_Nss1,QPSK_1TX	4.85M	4.47M	4M47G7D	4.85M	4.47M
LTE_5MHz_Nss1,16QAM_1TX	4.781M	4.464M	4M46W7D	4.781M	4.464M
LTE_5MHz_Nss1,64QAM_1TX	4.8M	4.468M	4M47W7D	4.8M	4.468M
LTE_5MHz_Nss1,256QAM_1TX	4.788M	4.473M	4M47W7D	4.788M	4.473M

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_10MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	9.5M	8.917M	Inf
2310MHz_16QAM_RB 50,#RB 0	Pass	9.513M	8.912M	Inf
2310MHz_64QAM_RB 50,#RB 0	Pass	9.538M	8.922M	Inf
2310MHz_256QAM_RB 50,#RB 0	Pass	9.5M	8.936M	Inf
Band 30_LTE_5MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 25,#RB 0	Pass	4.85M	4.47M	Inf
2310MHz_16QAM_RB 25,#RB 0	Pass	4.781M	4.464M	Inf
2310MHz_64QAM_RB 25,#RB 0	Pass	4.8M	4.468M	Inf
2310MHz_256QAM_RB 25,#RB 0	Pass	4.788M	4.473M	Inf

Port X-N dB = Port X 26dB down bandwidth;

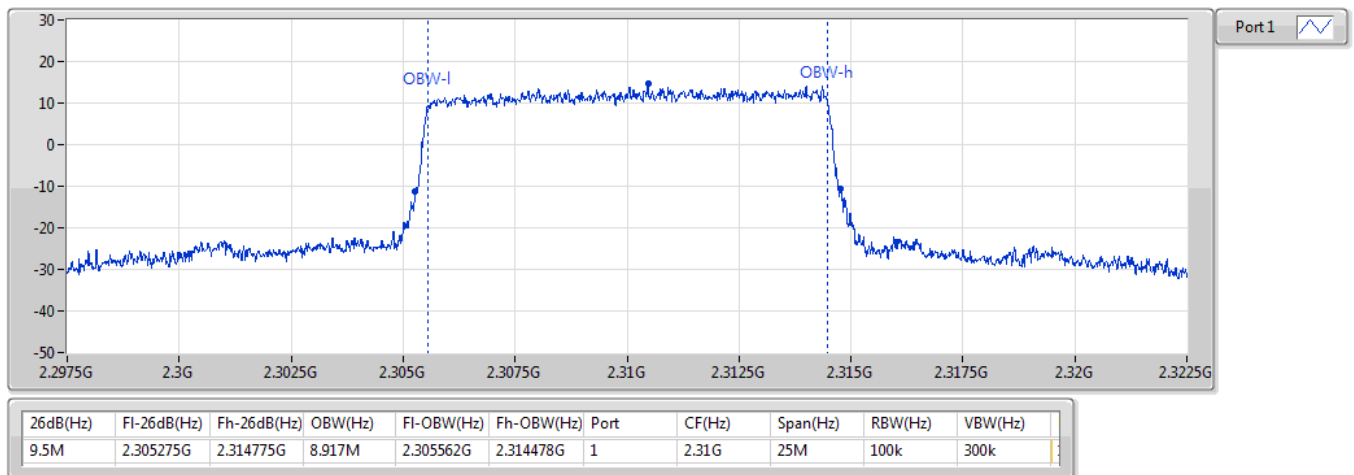
Port X-OBW = Port X 99% occupied bandwidth



Band 30_LTE_10MHz_Nss1,QPSK_1TX

EBW

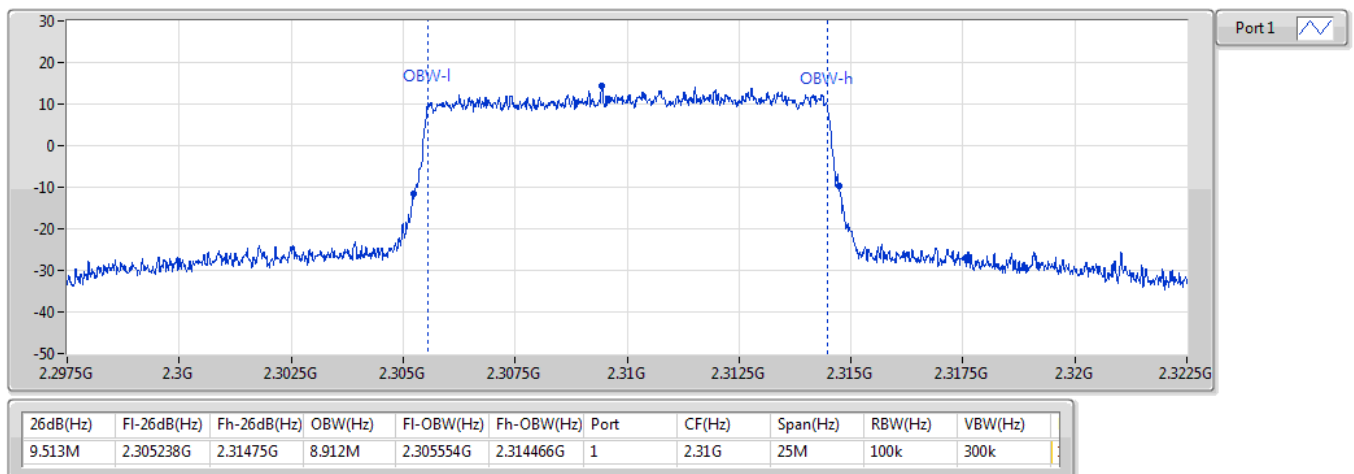
2310MHz_QPSK_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,16QAM_1TX

EBW

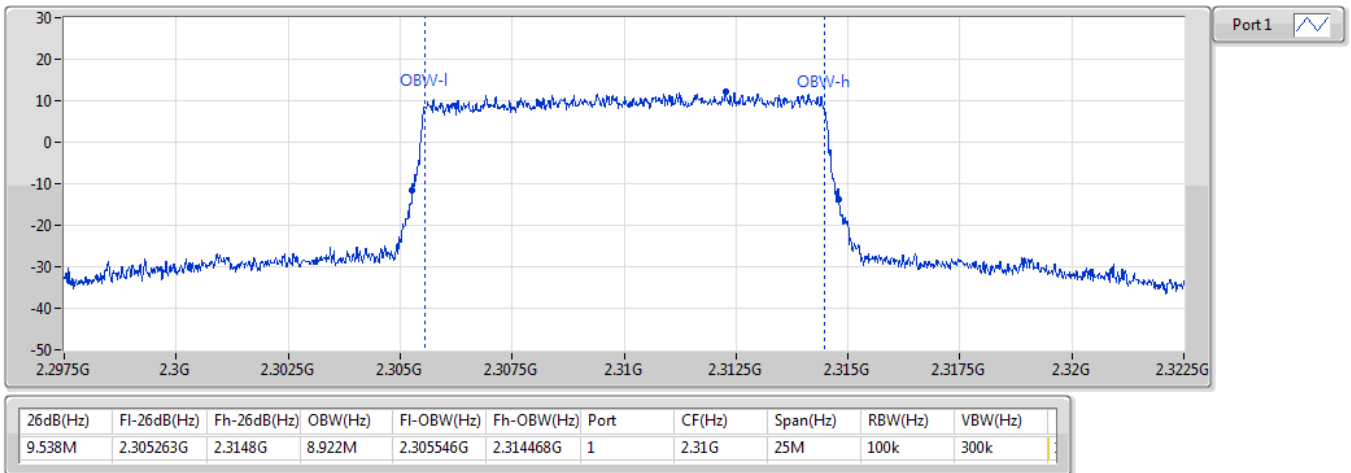
2310MHz_16QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,64QAM_1TX

EBW

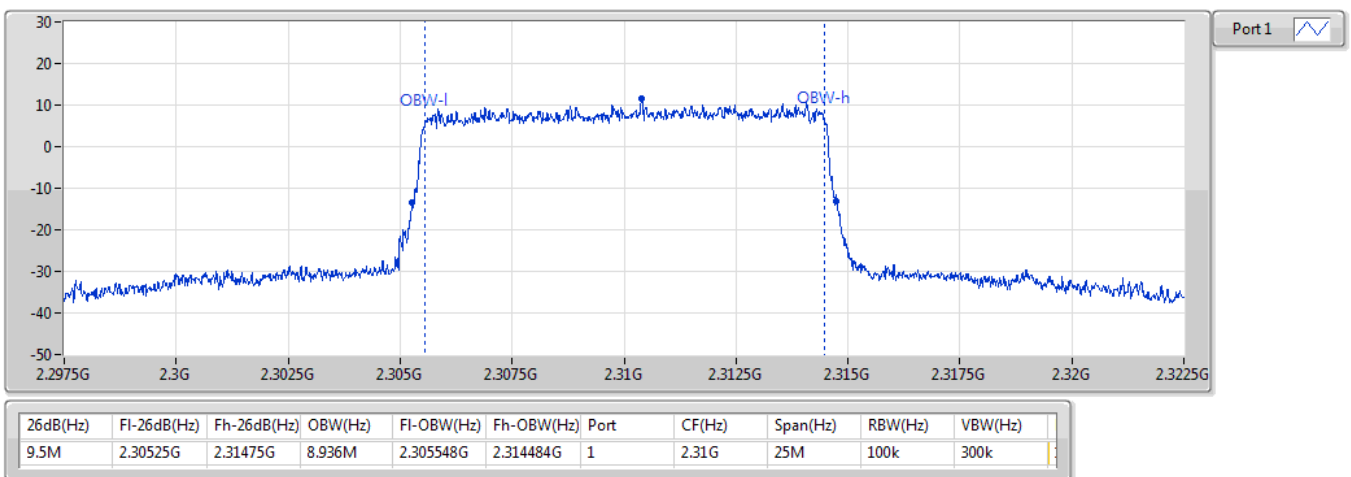
2310MHz_64QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,256QAM_1TX

EBW

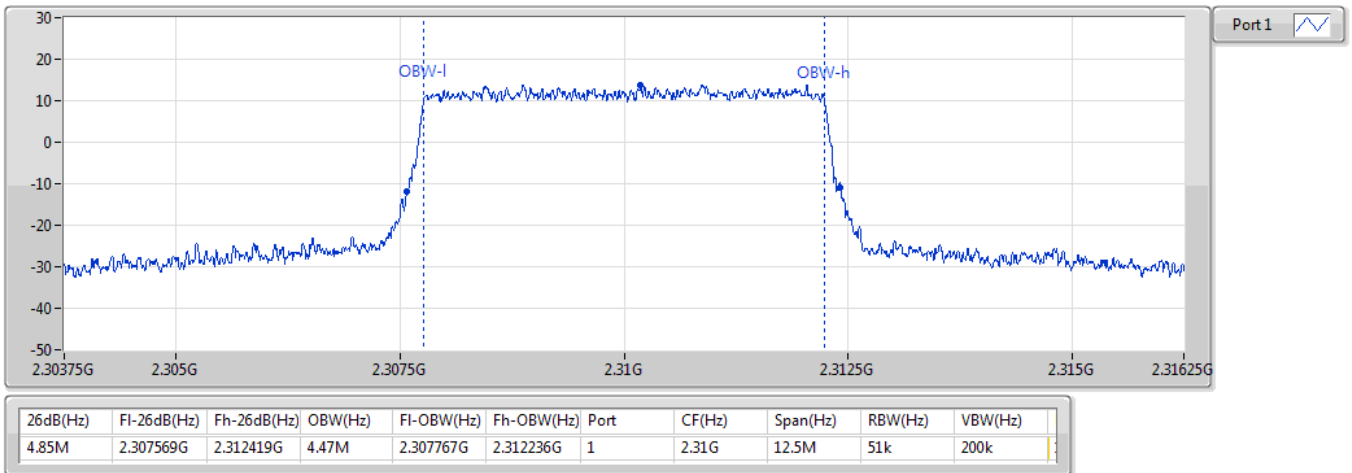
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Band 30_LTE_5MHz_Nss1,QPSK_1TX

EBW

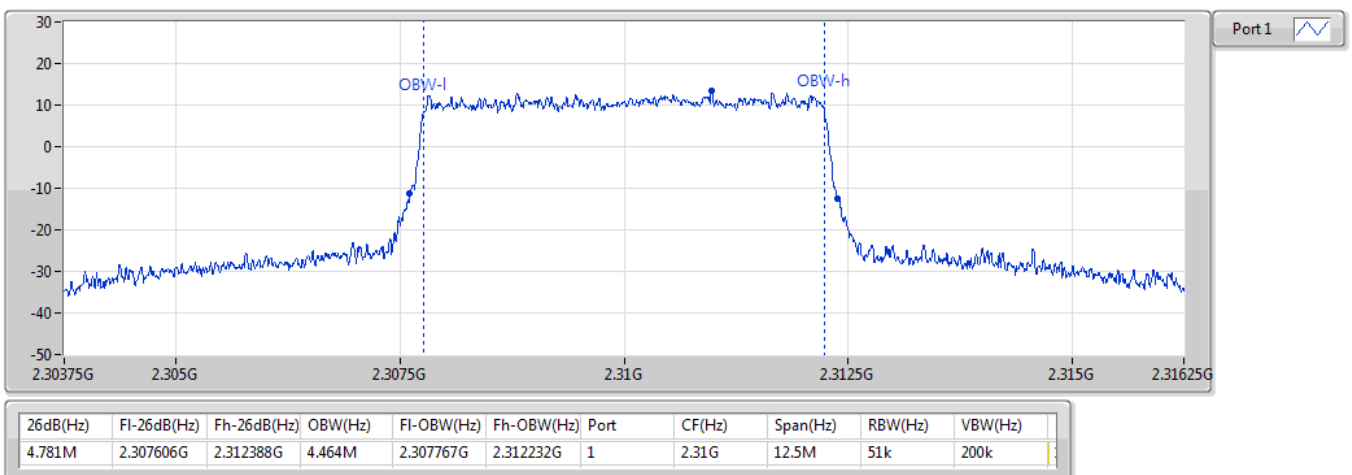
2310MHz_QPSK_RB 25,#RB 0



Band 30_LTE_5MHz_Nss1,16QAM_1TX

EBW

2310MHz_16QAM_RB 25,#RB 0

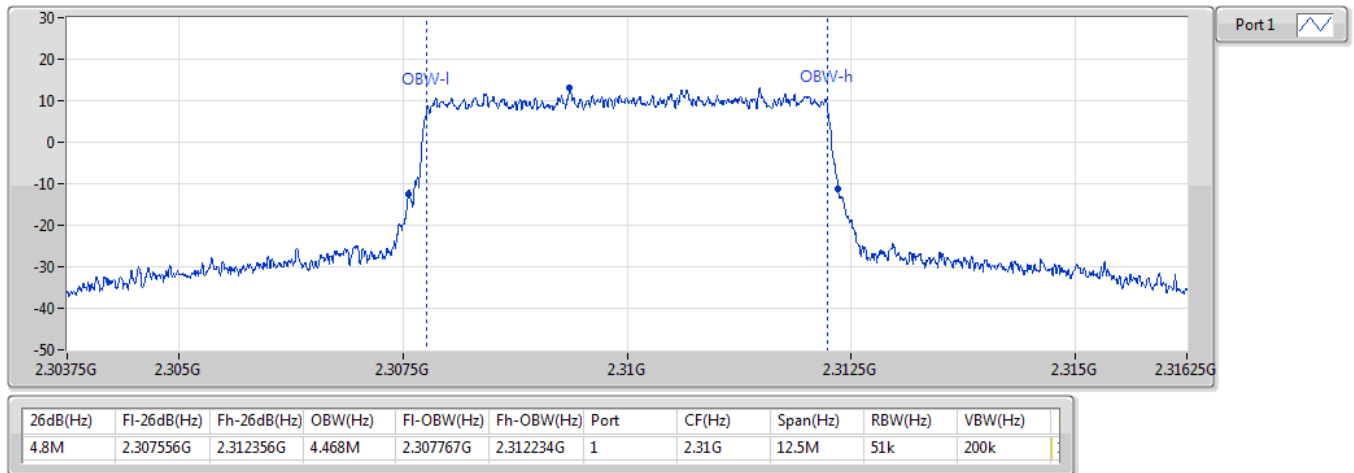




Band 30_LTE_5MHz_Nss1,64QAM_1TX

EBW

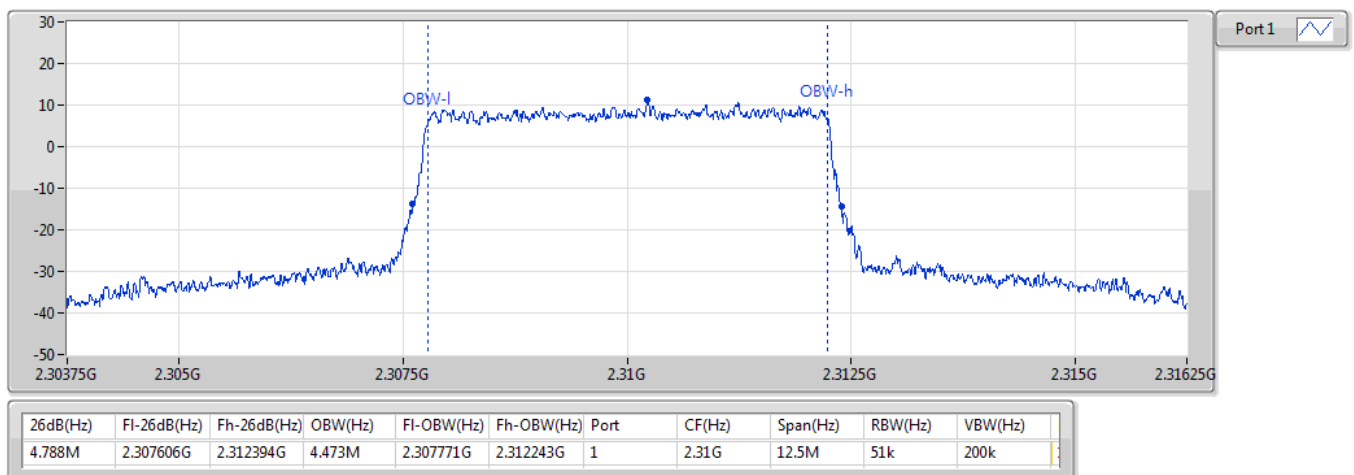
2310MHz_64QAM_RB 25,#RB 0



Band 30_LTE_5MHz_Nss1,256QAM_1TX

EBW

2310MHz_256QAM_RB 25,#RB 0



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB	Min-OBW
				(Hz)	(Hz)
Band 40	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	9.513M	8.921M	8M92G7D	9.513M	8.921M
LTE_10MHz_Nss1,16QAM_1TX	9.538M	8.916M	8M92W7D	9.538M	8.916M
LTE_10MHz_Nss1,64QAM_1TX	9.613M	8.95M	8M95W7D	9.613M	8.95M
LTE_10MHz_Nss1,256QAM_1TX	9.463M	8.911M	8M91W7D	9.463M	8.911M
LTE_5MHz_Nss1,QPSK_1TX	4.831M	4.46M	4M46G7D	4.831M	4.46M
LTE_5MHz_Nss1,16QAM_1TX	4.819M	4.489M	4M49W7D	4.819M	4.489M
LTE_5MHz_Nss1,64QAM_1TX	4.794M	4.463M	4M46W7D	4.794M	4.463M
LTE_5MHz_Nss1,256QAM_1TX	4.788M	4.464M	4M46W7D	4.788M	4.464M

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 40_LTE_10MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	9.513M	8.921M	Inf
2310MHz_16QAM_RB 50,#RB 0	Pass	9.538M	8.916M	Inf
2310MHz_64QAM_RB 50,#RB 0	Pass	9.613M	8.95M	Inf
2310MHz_256QAM_RB 50,#RB 0	Pass	9.463M	8.911M	Inf
Band 40_LTE_5MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 25,#RB 0	Pass	4.831M	4.46M	Inf
2310MHz_16QAM_RB 25,#RB 0	Pass	4.819M	4.489M	Inf
2310MHz_64QAM_RB 25,#RB 0	Pass	4.794M	4.463M	Inf
2310MHz_256QAM_RB 25,#RB 0	Pass	4.788M	4.464M	Inf

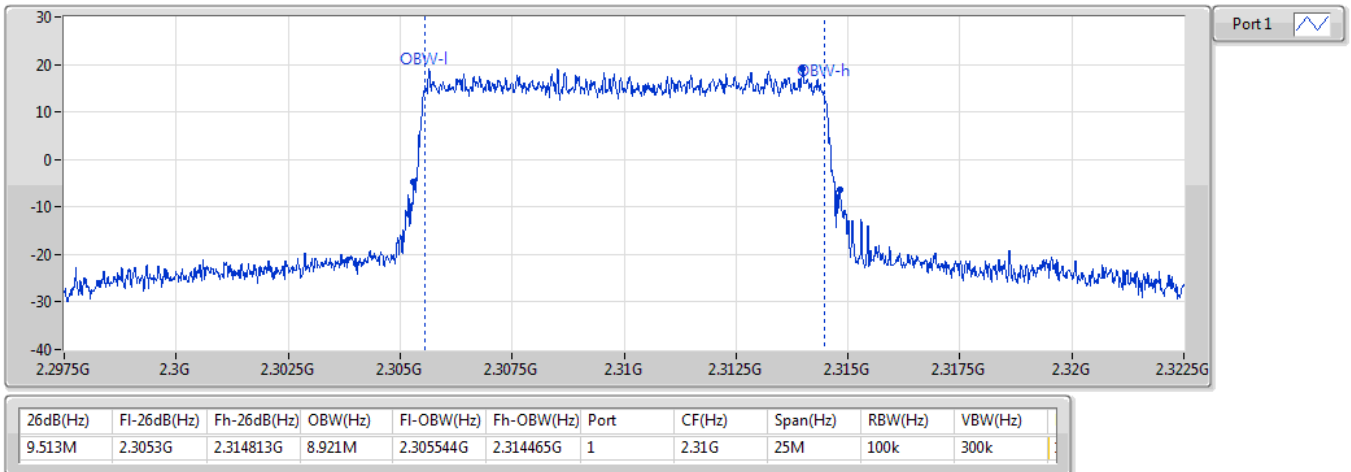
Port X-N dB = Port X 26dB down bandwidth;

Port X-OBW = Port X 99% occupied bandwidth

Band 40_LTE_10MHz_Nss1,QPSK_1TX

EBW

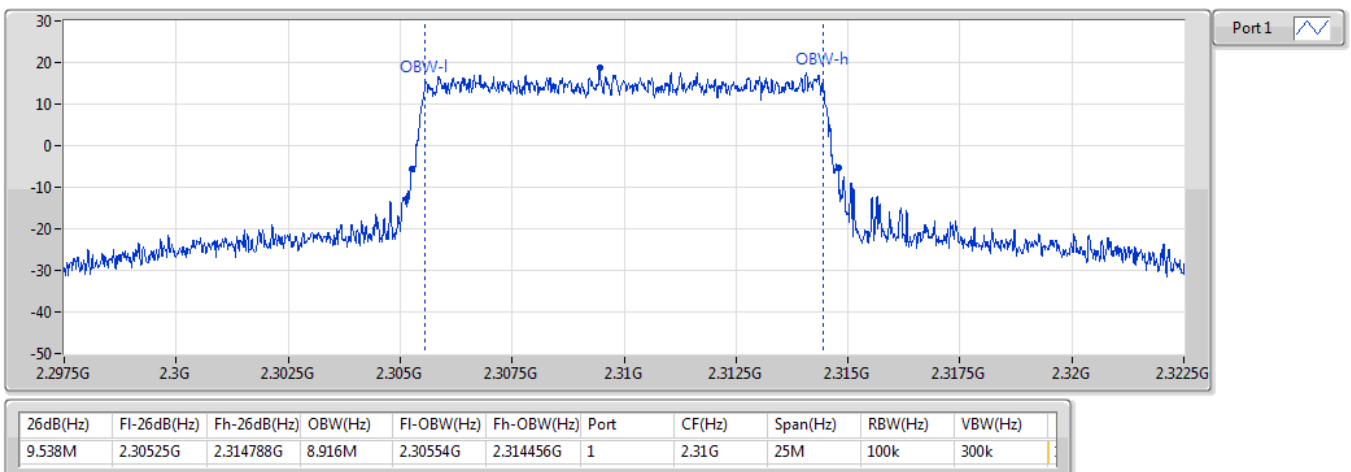
2310MHz_QPSK_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,16QAM_1TX

EBW

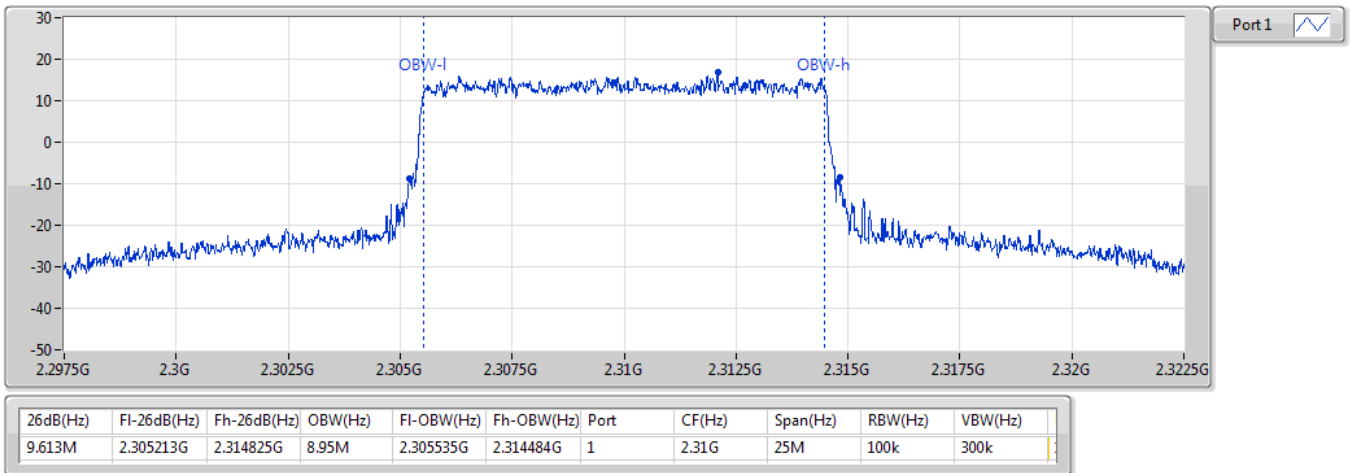
2310MHz_16QAM_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,64QAM_1TX

EBW

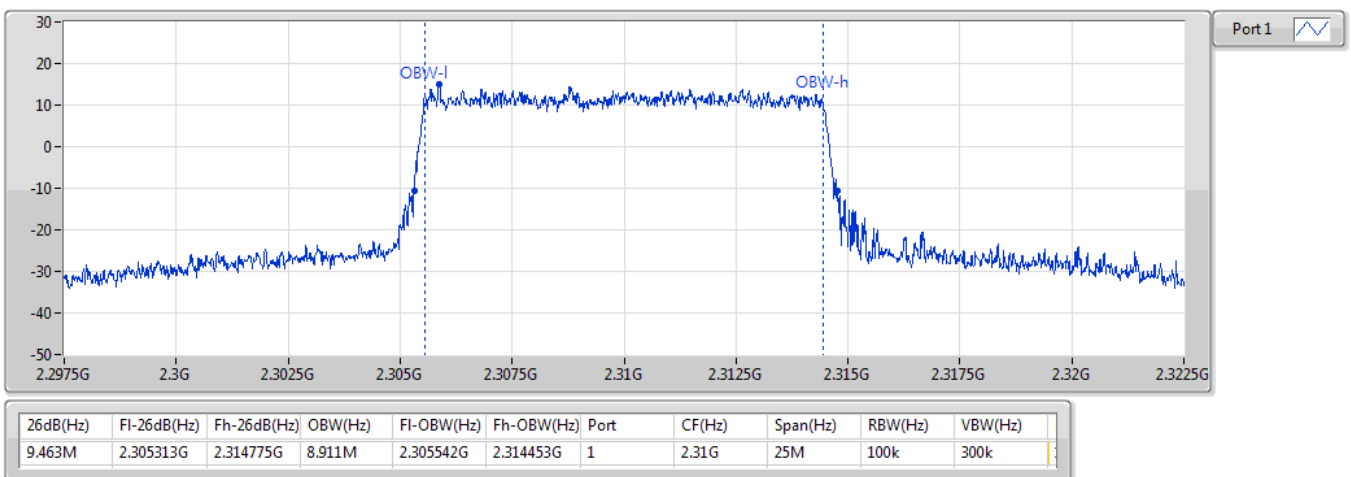
2310MHz_64QAM_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,256QAM_1TX

EBW

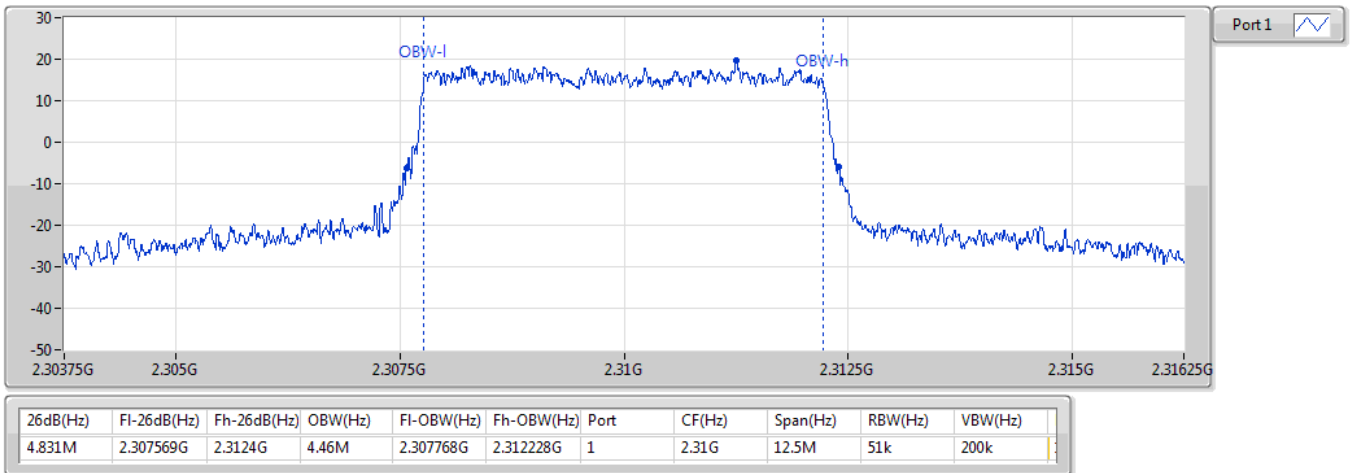
2310MHz_256QAM_RB 50,#RB 0



Band 40_LTE_5MHz_Nss1,QPSK_1TX

EBW

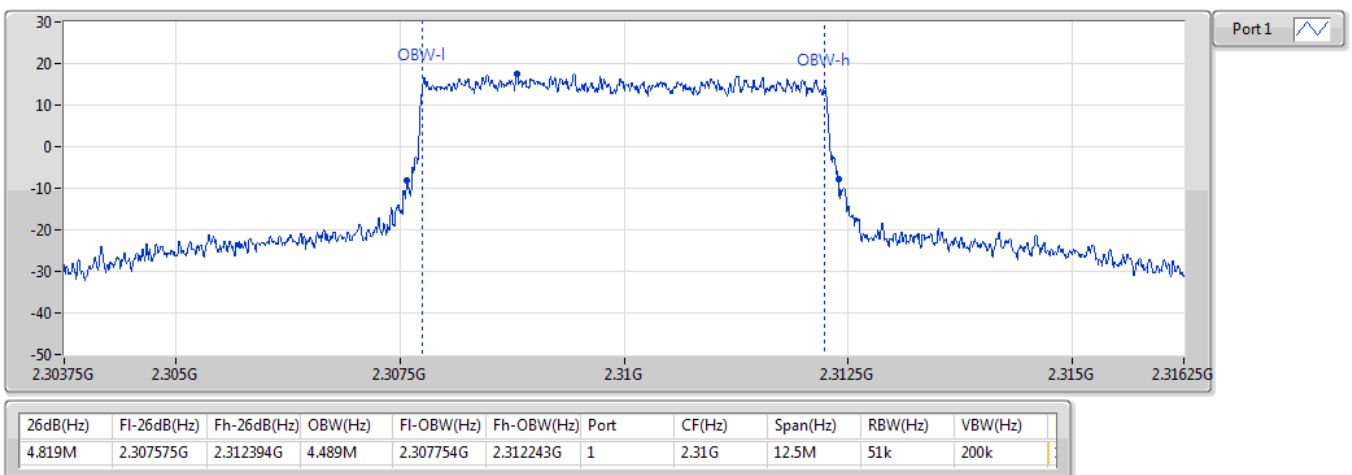
2310MHz_QPSK_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,16QAM_1TX

EBW

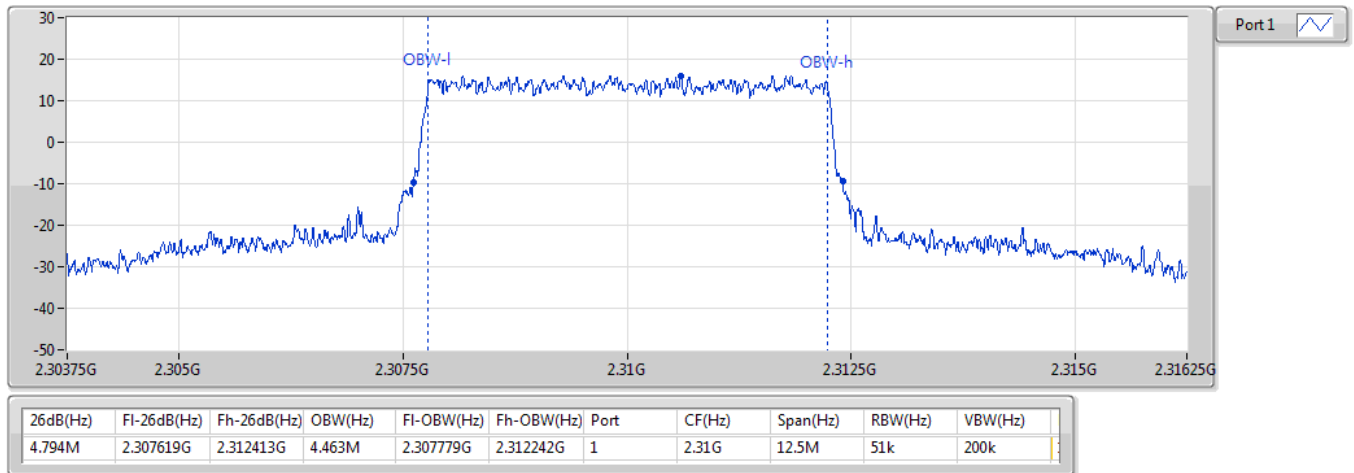
2310MHz_16QAM_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,64QAM_1TX

EBW

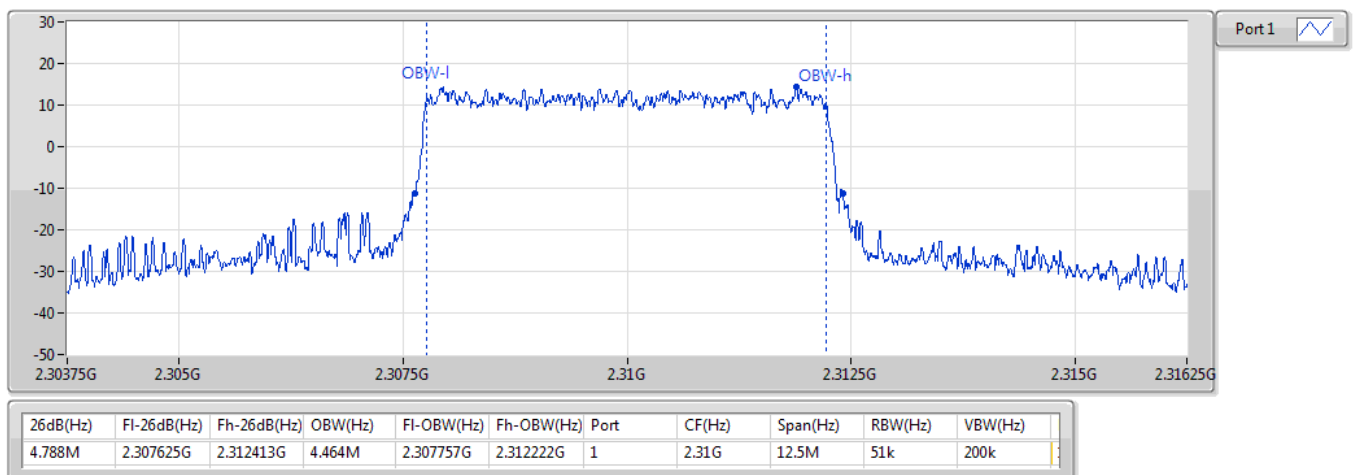
2310MHz_64QAM_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,256QAM_1TX

EBW

2310MHz_256QAM_RB 25,#RB 0



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 30	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2310	13.00	5.25	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	2310	13.00	6.07	1
LTE_10MHz_Nss1,64QAM_1TX	Pass	2310	13.00	6.49	1
LTE_10MHz_Nss1,256QAM_1TX	Pass	2310	13.00	6.64	1

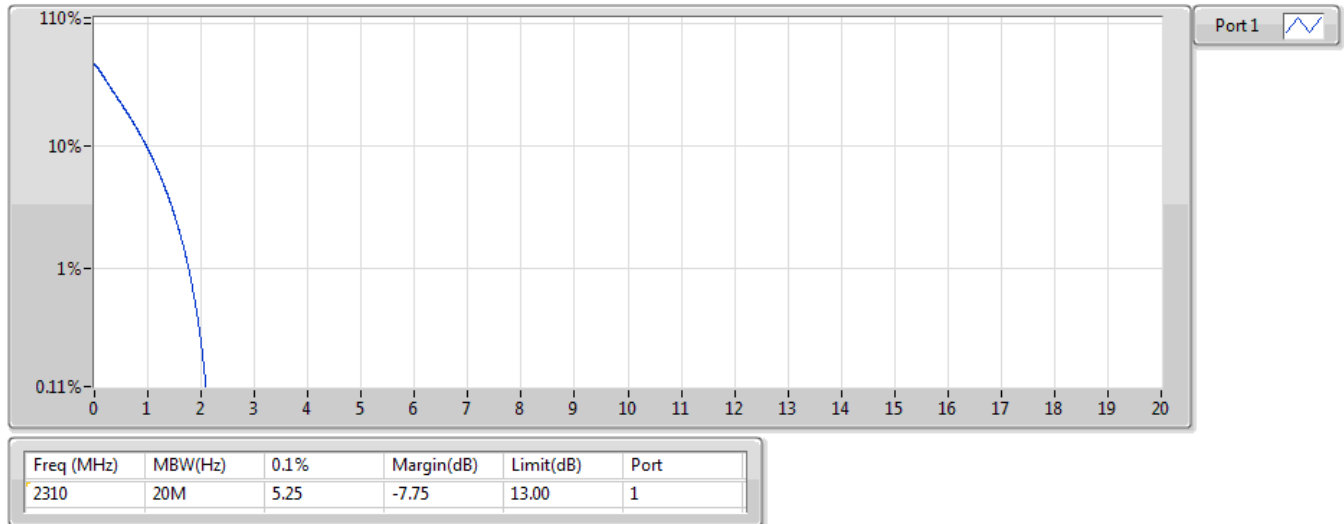
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 30_LTE_10MHz_Nss1_1TX	-	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	2310	13.00	5.25	1
2310MHz_16QAM_RB 50,#RB 0	Pass	2310	13.00	6.07	1
2310MHz_64QAM_RB 50,#RB 0	Pass	2310	13.00	6.49	1
2310MHz_256QAM_RB 50,#RB 0	Pass	2310	13.00	6.64	1

Band 30_LTE_10MHz_Nss1,QPSK_1TX

PAPR

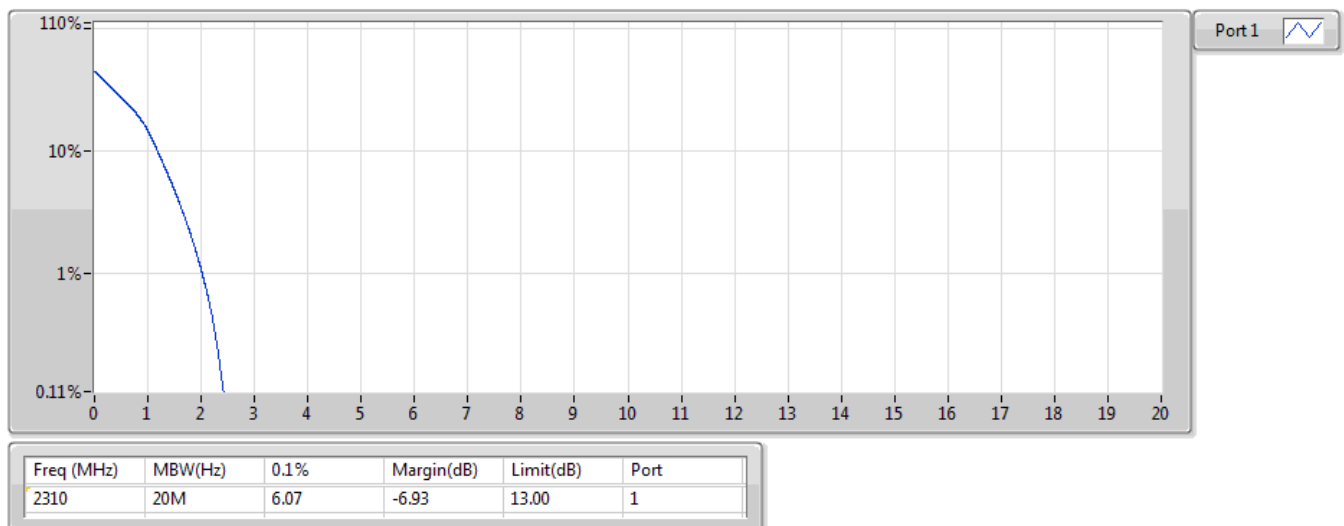
2310MHz_QPSK_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,16QAM_1TX

PAPR

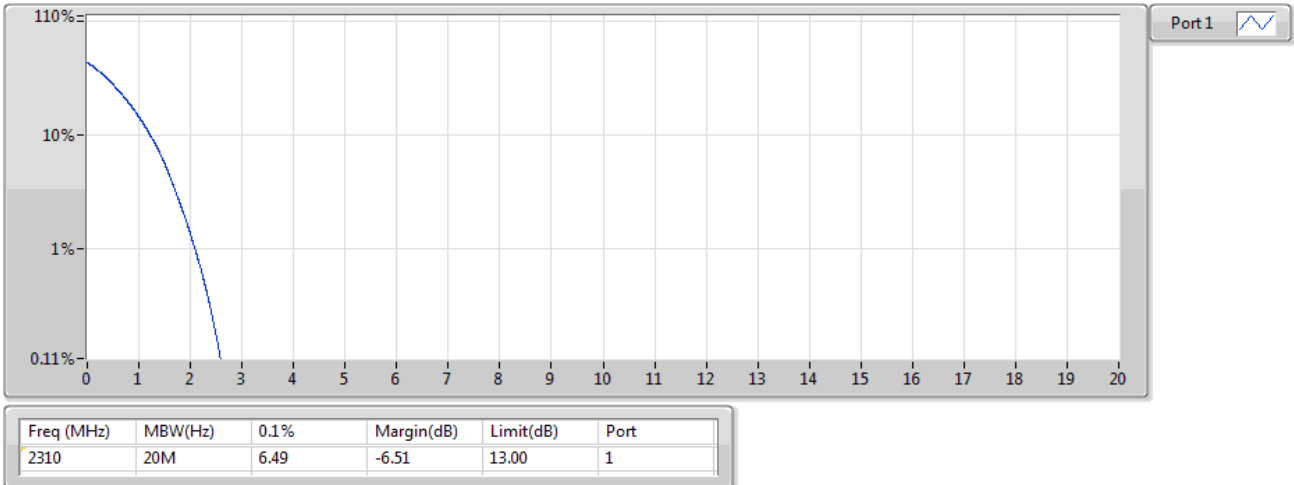
2310MHz_16QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,64QAM_1TX

PAPR

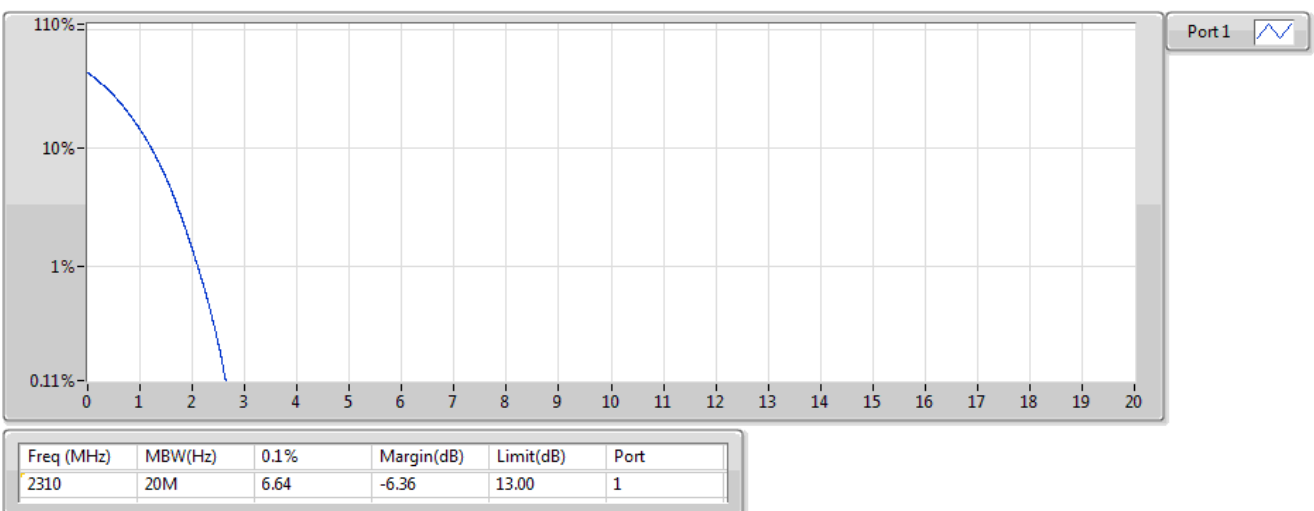
2310MHz_64QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,256QAM_1TX

PAPR

2310MHz_256QAM_RB 50,#RB 0



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 40	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2310	13.00	5.70	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	2310	13.00	6.42	1
LTE_10MHz_Nss1,64QAM_1TX	Pass	2310	13.00	6.70	1
LTE_10MHz_Nss1,256QAM_1TX	Pass	2310	13.00	6.65	1

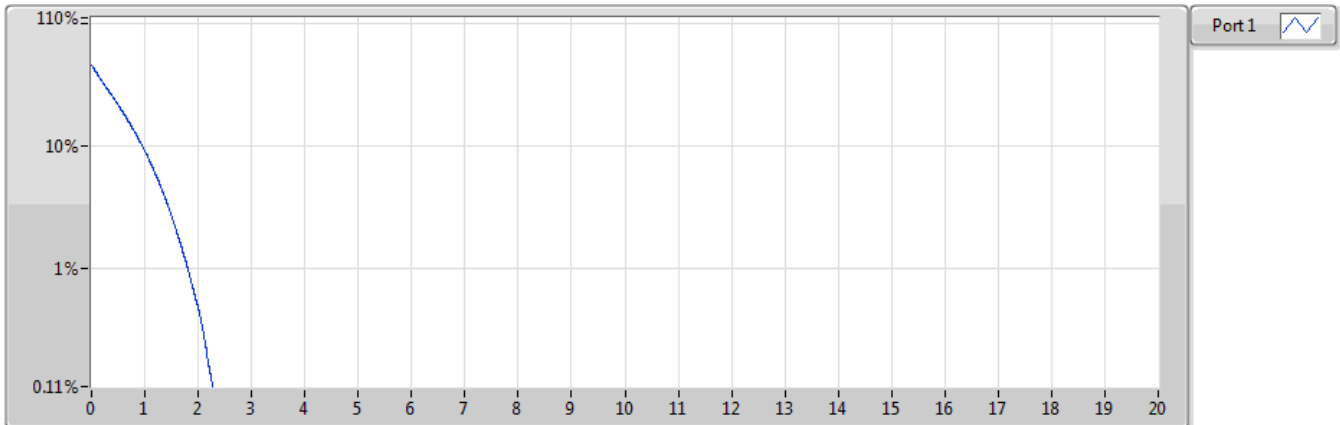
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 40_LTE_10MHz_Nss1_1TX	-	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	2310	13.00	5.70	1
2310MHz_16QAM_RB 50,#RB 0	Pass	2310	13.00	6.42	1
2310MHz_64QAM_RB 50,#RB 0	Pass	2310	13.00	6.70	1
2310MHz_256QAM_RB 50,#RB 0	Pass	2310	13.00	6.65	1

Band 40_LTE_10MHz_Nss1,QPSK_1TX

PAPR

2310MHz_QPSK_RB 50,#RB 0

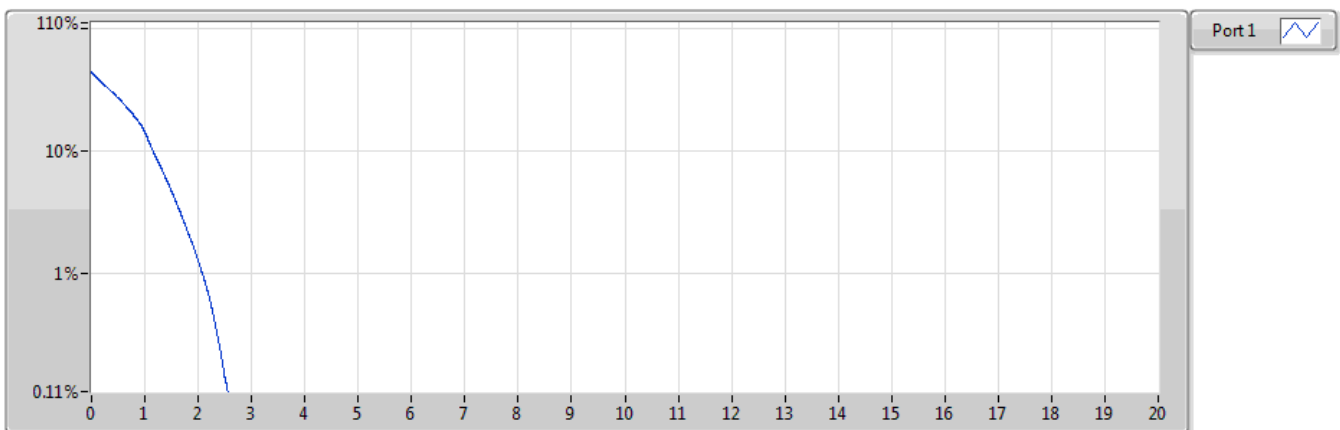


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.70	-7.30	13.00	1

Band 40_LTE_10MHz_Nss1,16QAM_1TX

PAPR

2310MHz_16QAM_RB 50,#RB 0

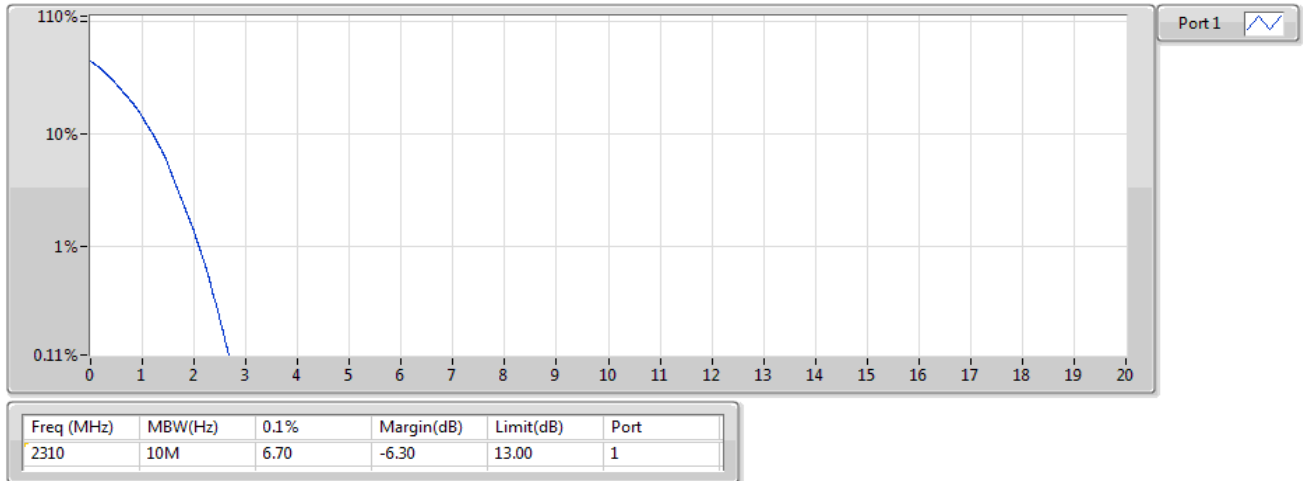


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	6.42	-6.58	13.00	1

Band 40_LTE_10MHz_Nss1,64QAM_1TX

PAPR

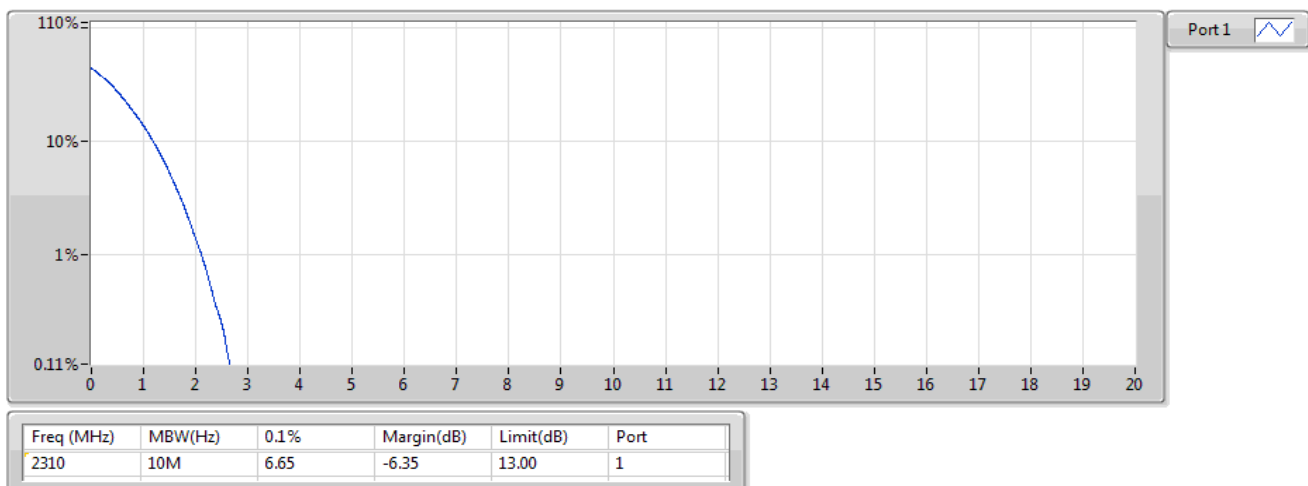
2310MHz_64QAM_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,256QAM_1TX

PAPR

2310MHz_256QAM_RB 50,#RB 0



Ref. Freq:	2310MHz	
Test Conditions	LTE Band 30(QPSK) / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit ^{Note 1}
		Result
T20°C Vmax	0.01	PASS
T20°C Vmin	0.01	
T70°C Vnom	0.02	
T60°C Vnom	0.02	
T50°C Vnom	0.02	
T40°C Vnom	0.02	
T30°C Vnom	0.01	
T20°C Vnom	0.01	
T10°C Vnom	0.01	
T0°C Vnom	0.01	
T-10°C Vnom	0.01	
T-20°C Vnom	0.01	
T-30°C Vnom	0.02	

Note:

1. The frequency fundamental emissions stay within the authorized frequency block.

Ref. Freq:	2310MHz	
Test Conditions	LTE Band 40(QPSK) / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit ^{Note 1}
		Result
T20°CVmax	0.01	PASS
T20°CVmin	0.01	
T70°CVnom	0.02	
T60°CVnom	0.02	
T50°CVnom	0.02	
T40°CVnom	0.01	
T30°CVnom	0.01	
T20°CVnom	0.01	
T10°CVnom	0.01	
T0°CVnom	0.01	
T-10°CVnom	0.01	
T-20°CVnom	0.01	
T-30°CVnom	0.02	

Note:

1. The frequency fundamental emissions stay within the authorized frequency block.