

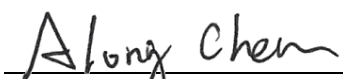
FCC Test Report

FCC ID : 2A7G3XS5G0304
Equipment : 5G DATA CARD
Model No. : XS5G03-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 : Jun. 13, 2022
Tested Date : Jun. 28 ~ Aug. 15, 2022

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
FG261301P27D	Rev. 01	Initial issue	Sep. 22, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 27.50(a)(3)	EIRP Power Density	LTE Band 30 Power[dBm]: 20.36 LTE Band 40 Power[dBm]: 20.54	Pass
2.1053 27.53(a)(4)	Radiated Emissions	Meet the requirement 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	XS5G03-GB0	5G DATA CARD	(SA+NSA)+GPS
	XS5G04-GB0		(SA Only)+GPS XS5G03-GB0 base band IC disable NSA by SW
✦ The above models, model XS5G03-GB0 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 (Uplink)

1.1.3 Antenna Details

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

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host		
Operational Voltage	☒ Vnom (3.3 V)	☒ Vmax (3.63 V)	☒ Vmin (3.135 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	0.176	4M46G7D
5 MHz	16QAM	0.147	4M46W7D
5 MHz	64QAM	0.111	4M47W7D
10 MHz	QPSK	0.172	8M92G7D
10 MHz	16QAM	0.137	8M90W7D
10 MHz	64QAM	0.109	8M91W7D

LTE Band 40			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
5 MHz	QPSK	0.184	4M47G7D
5 MHz	16QAM	0.153	4M47W7D
5 MHz	64QAM	0.115	4M45W7D
10 MHz	QPSK	0.181	8M95G7D
10 MHz	16QAM	0.157	8M93W7D
10 MHz	64QAM	0.113	8M93W7D

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

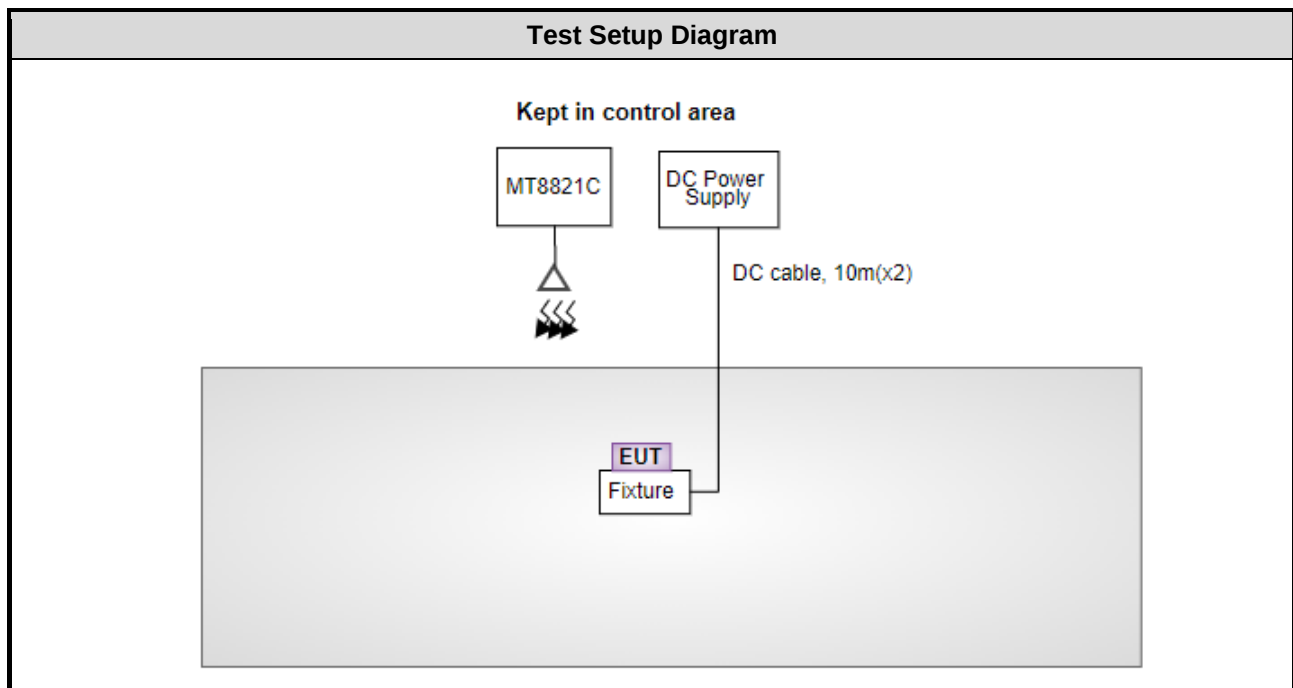
LTE Band 40		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	38725	2307.5
5	38750	2310
5	38775	2312.5
10	38750	2310

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	DC Power Supply	GWINSTEK	GPC-60300	---	---
2	Notebook	DELL	Latitude 5400	DoC	---
3	Fixture	---	---	---	Provided by applicant.

Note: The support notebook was disconnected from EUT and was removed from test table after sending command from notebook to control EUT to transmit continuously.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 08 ~ Aug. 15, 2022				
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. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jun. 28, 2022	Jun. 27, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2021	Nov. 03, 2022
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045B	980192	Jul. 08, 2022	Jul. 07, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 16, 2021	Sep. 15, 2022

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

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jun. 28 ~ Aug. 12, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2022	Apr. 17, 2023
Spectrum Analyzer	keysight	N9020A	MY53420894	Oct. 19, 2021	Oct. 18, 2022
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 08, 2021	Nov. 07, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 22, 2022	Jun. 21, 2023
Measurement Software	Sporton	SENSE-FCC_2G-4G	V5.10.5	NA	NA
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Sep. 16, 2021	Sep. 15, 2022
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	24-25°C / 61-64%	Bard Wu
RF Conducted	TH01-WS	24-26°C / 63-65%	Aska Huang

- 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 333, 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	1	Half	Full	L	M	H
Max. Output Power	30	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	40	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
peak-to-Average Ratio	30	-	-		v	-	-	v	v	v			v		v	
	40	-	-		v	-	-	v	v	v			v		v	
26dB and 99% Bandwidth	30	-	-		v	-	-	v	v	v			v		v	
	40	-	-		v	-	-	v	v	v			v		v	
Conducted Band edge	30	-	-		v	-	-	v	v	v	v		v	v		v
	40	-	-		v	-	-	v	v	v	v		v	v		v
Conducted Spurious Emission	30	-	-		v	-	-	v			v			v	v	v
	40	-	-		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	Max. power					
	40	-	-	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 X-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

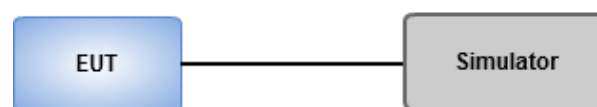
ERP can be calculated by below formula from KDB 412172 D01.

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

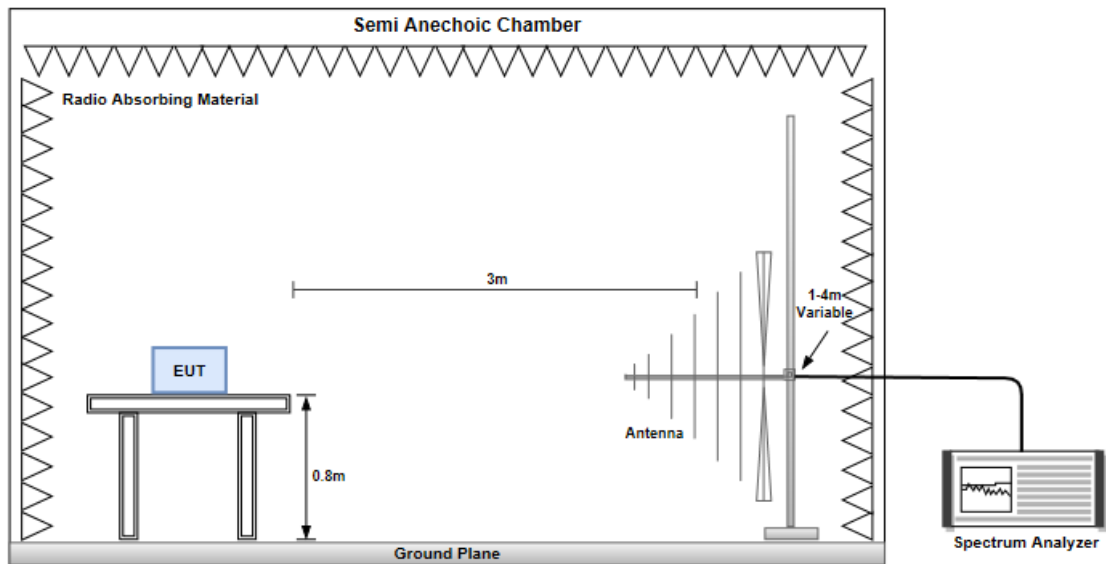
By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz

3.2.2 Test Procedures

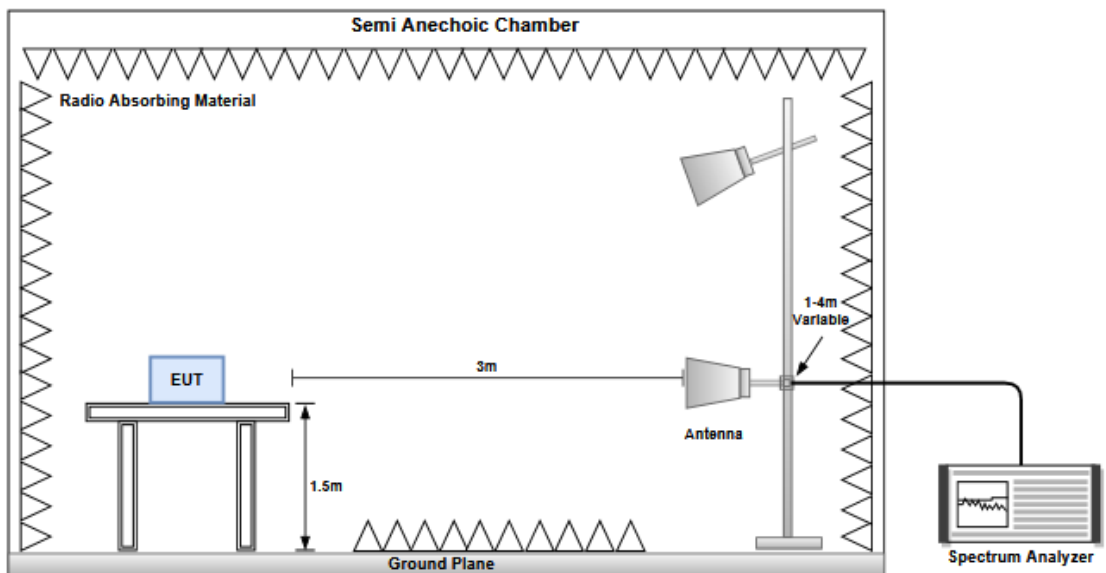
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360° . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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.

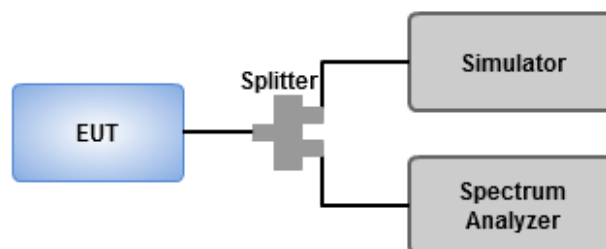
Band edge

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

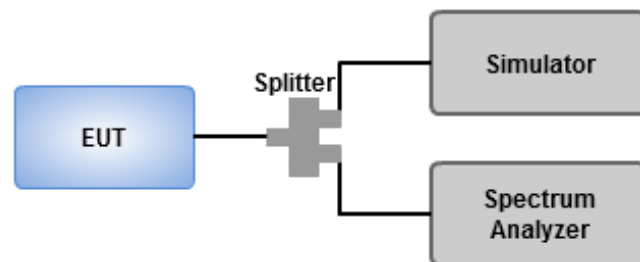
Refer to Appendix C.1, C.2, C3, C4.

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

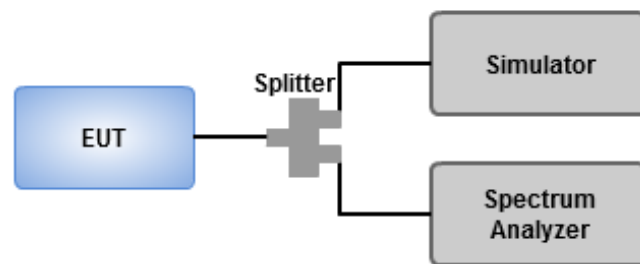
3.5.1 Limit of Peak to Average Power Ratio

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

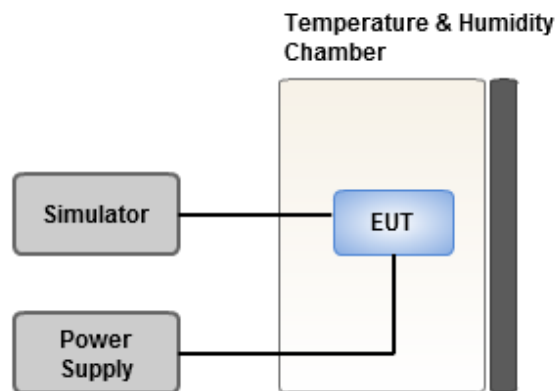
3.6.1 Limit of Frequency Stability

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 Corp (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 District, Tao Yuan
City 333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C..

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

Tel: 886-3-271-8666

Fax: 886-3-318-0155

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		
Channel					27710		EIRP	EIRP
Frequency					2310		(dBm)	(W)
10	QPSK	1	0		22.36		20.26	0.1062
10	QPSK	1	49		22.31			
10	QPSK	50	0		21.62			
10	16QAM	1	0		21.36		19.26	0.0843
10	64QAM	1	0		20.36		18.26	0.0670
Channel				27685	27710	27735	EIRP	EIRP
Frequency				2307.5	2310	2312.5	(dBm)	(W)
5	QPSK	1	0	22.36	22.46	22.39	20.36	0.1086
5	QPSK	1	24	22.29	22.42	22.36		
5	QPSK	25	0	21.73	21.7	21.86		
5	16QAM	1	0	21.59	21.65	21.67	19.57	0.0906
5	64QAM	1	0	20.45	20.42	20.47	18.37	0.0687
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		
Channel					38750		EIRP (dBm)	EIRP (W)
Frequency					2310			
10	QPSK	1	0		22.57		20.47	0.1114
10	QPSK	1	49		22.56			
10	QPSK	50	0		21.57			
10	16QAM	1	0		21.97		19.87	0.0971
10	64QAM	1	0		20.54		18.44	0.0698
Channel				38725	38750	38775	EIRP (dBm)	EIRP (W)
Frequency				2307.5	2310	2312.5		
5	QPSK	1	0	22.64	22.58	22.6	20.54	0.1132
5	QPSK	1	24	22.59	22.55	22.57		
5	QPSK	25	0	21.58	21.59	21.55		
5	16QAM	1	0	21.85	21.84	21.75	19.75	0.0944
5	64QAM	1	0	20.56	20.59	20.62	18.52	0.0711
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	-62.56	-40	-22.56	-73.45	-68.59	6.03
6915.9	H	-58.94	-40	-18.94	-73.58	-62.9	3.96
9221.2	H	-56.09	-40	-16.09	-71.11	-57.51	1.42
4610.6	V	-62.42	-40	-22.42	-73.46	-68.45	6.03
6915.9	V	-58.33	-40	-18.33	-73.4	-62.29	3.96
9221.2	V	-57.72	-40	-17.72	-71.3	-59.14	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	-62.5	-40	-22.5	-73.41	-68.52	6.02
6923.4	H	-58.97	-40	-18.97	-73.56	-62.9	3.93
9231.2	H	-56.31	-40	-16.31	-71.37	-57.71	1.4
4615.6	V	-62.21	-40	-22.21	-73.25	-68.23	6.02
6923.4	V	-58.14	-40	-18.14	-73.21	-62.07	3.93
9231.2	V	-57.67	-40	-17.67	-71.22	-59.07	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	-62.49	-40	-22.49	-73.41	-68.5	6.01
6930.9	H	-58.98	-40	-18.98	-73.51	-62.87	3.89
9241.2	H	-56.17	-40	-16.17	-71.25	-57.55	1.38
4620.6	V	-62.32	-40	-22.32	-73.36	-68.33	6.01
6930.9	V	-58.88	-40	-18.88	-73.94	-62.77	3.89
9241.2	V	-56.2	-40	-16.2	-69.71	-57.58	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	-62.36	-40	-22.36	-73.25	-68.39	6.03
6915.9	H	-58.57	-40	-18.57	-73.21	-62.53	3.96
9221.2	H	-56.03	-40	-16.03	-71.05	-57.45	1.42
4610.6	V	-62.17	-40	-22.17	-73.21	-68.2	6.03
6915.9	V	-58.18	-40	-18.18	-73.25	-62.14	3.96
9221.2	V	-57.44	-40	-17.44	-71.02	-58.86	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	-62.33	-40	-22.33	-73.24	-68.35	6.02
6923.4	H	-58.83	-40	-18.83	-73.42	-62.76	3.93
9231.2	H	-56.2	-40	-16.2	-71.26	-57.6	1.4
4615.6	V	-62.08	-40	-22.08	-73.21	-68.1	6.02
6923.4	V	-58.07	-40	-18.07	-73.14	-62	3.93
9231.2	V	-57.51	-40	-17.51	-71.06	-58.91	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	-62.33	-40	-22.33	-73.25	-68.34	6.01
6930.9	H	-58.94	-40	-18.94	-73.47	-62.83	3.89
9241.2	H	-56.1	-40	-16.1	-71.18	-57.48	1.38
4620.6	V	-62.1	-40	-22.1	-73.14	-68.11	6.01
6930.9	V	-58.75	-40	-18.75	-73.81	-62.64	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	2.46G	25G	1M	3M	RMS	19.66366G	-46.99	-40.00	-6.99	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.46G	25G	1M	3M	RMS	17.98372G	-46.89	-40.00	-6.89	-	-

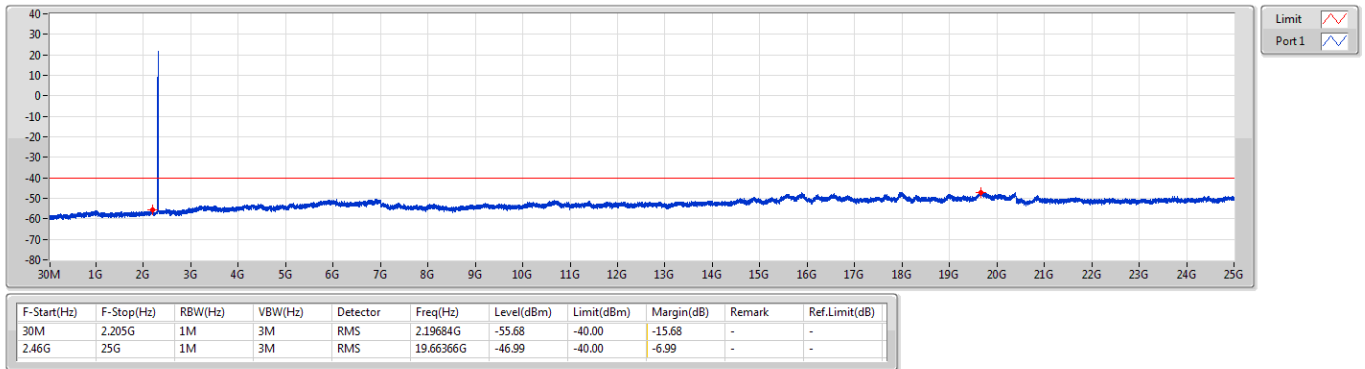
Result

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_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2310MHz_QPSK_RB 1,#RB 0	Pass	30M	2.205G	1M	3M	RMS	2.19684G	-55.68	-40.00	-15.68	-	-
2310MHz_QPSK_RB 1,#RB 0	Pass	2.46G	25G	1M	3M	RMS	19.66366G	-46.99	-40.00	-6.99	-	-
Band 30_LTE_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2307.5MHz_QPSK_RB 1,#RB 0	Pass	30M	2.205G	1M	3M	RMS	2.15117G	-55.81	-40.00	-15.81	-	-
2307.5MHz_QPSK_RB 1,#RB 0	Pass	2.46G	25G	1M	3M	RMS	17.95836G	-46.93	-40.00	-6.93	-	-
2310MHz_QPSK_RB 1,#RB 0	Pass	30M	2.205G	1M	3M	RMS	2.15987G	-55.78	-40.00	-15.78	-	-
2310MHz_QPSK_RB 1,#RB 0	Pass	2.46G	25G	1M	3M	RMS	17.97809G	-46.95	-40.00	-6.95	-	-
2312.5MHz_QPSK_RB 1,#RB 0	Pass	30M	2.205G	1M	3M	RMS	2.18216G	-55.63	-40.00	-15.63	-	-
2312.5MHz_QPSK_RB 1,#RB 0	Pass	2.46G	25G	1M	3M	RMS	17.98372G	-46.89	-40.00	-6.89	-	-

Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

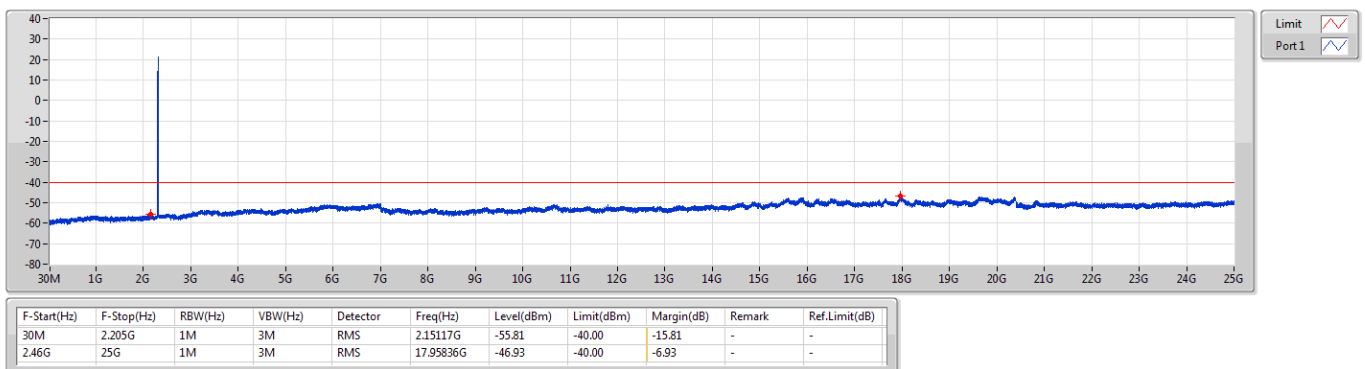
2310MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

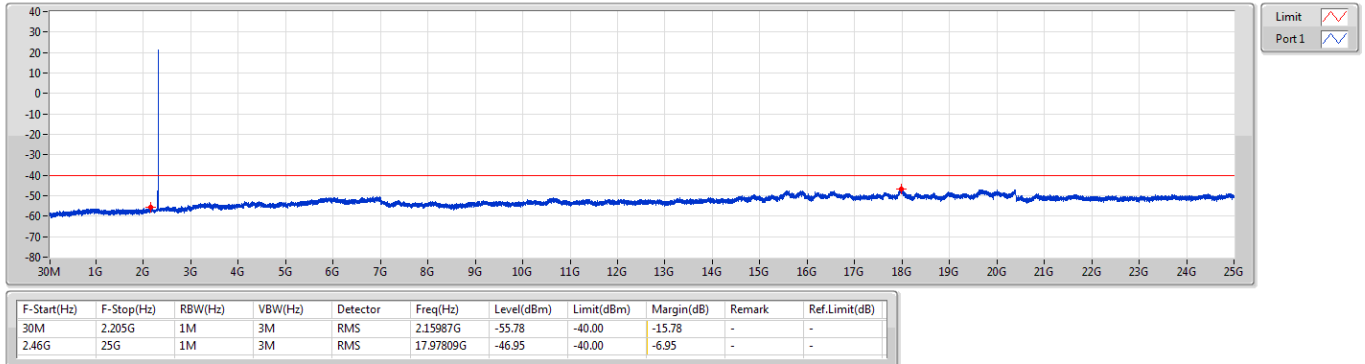
2307.5MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

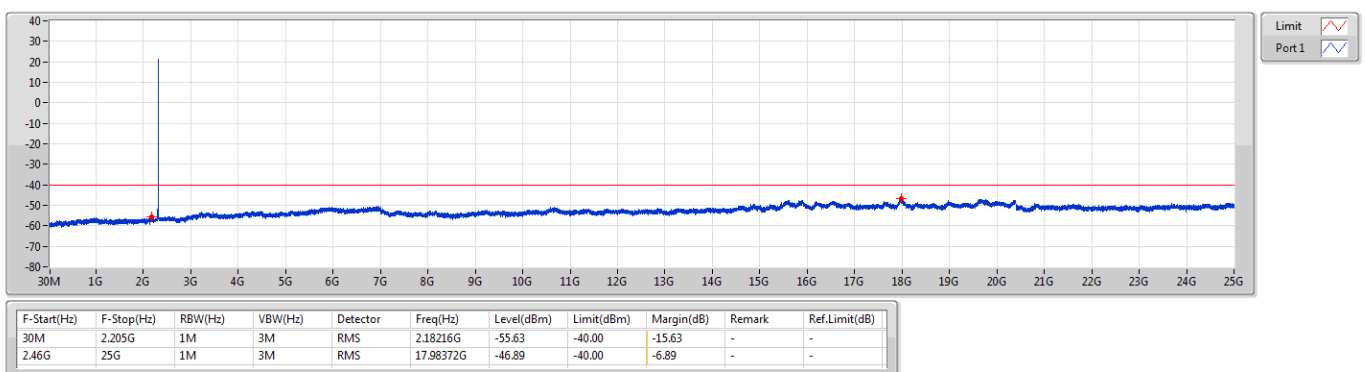
2310MHz_QPSK_RB 1



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1



**Summary**

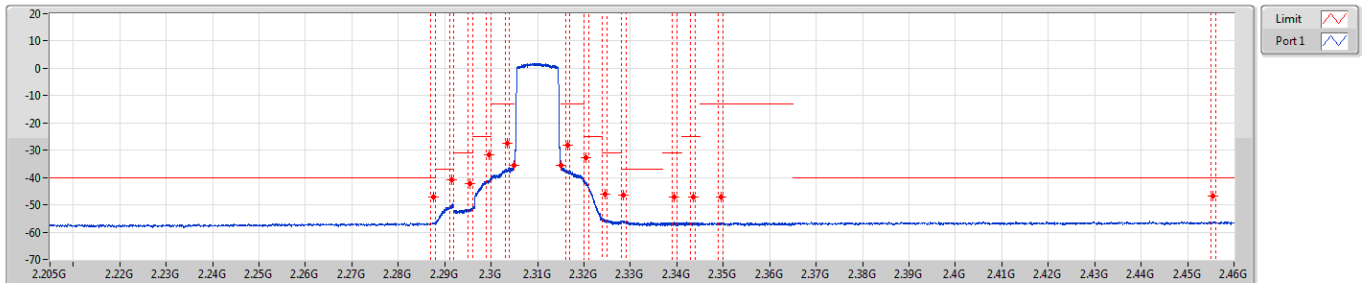
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 30	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2.288G	2.292G	100k	300k	RMS	2.2915G	-40.92	-37.00	-3.92	MBW 1M	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	2.288G	2.292G	100k	300k	RMS	2.2915G	-43.54	-37.00	-6.54	MBW 1M	-
LTE_10MHz_Nss1,64QAM_1TX	Pass	2.365G	2.46G	100k	300k	RMS	2.4485G	-46.77	-40.00	-6.77	MBW 1M	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-19.33	-13.00	-6.33	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	2.365G	2.46G	50k	200k	RMS	2.4565G	-46.53	-40.00	-6.53	MBW 1M	-
LTE_5MHz_Nss1,64QAM_1TX	Pass	2.365G	2.46G	50k	200k	RMS	2.4395G	-46.52	-40.00	-6.52	MBW 1M	-



Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 50,#RB 0

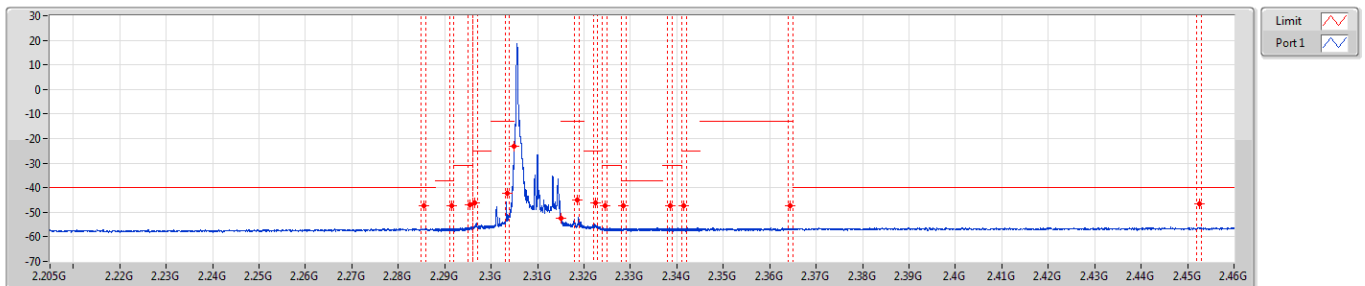


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-47.21	-40.00	-7.21	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-40.92	-37.00	-3.92	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-42.23	-31.00	-11.23	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-31.63	-25.00	-6.63	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-27.56	-13.00	-14.56	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30498G	-35.39	-13.00	-22.39	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-35.41	-13.00	-22.41	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-28.15	-13.00	-15.15	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-32.58	-25.00	-7.58	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-46.04	-31.00	-15.04	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-46.54	-37.00	-9.54	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3395G	-47.30	-31.00	-16.30	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3435G	-47.27	-25.00	-22.27	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3495G	-47.20	-13.00	-34.20	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4555G	-46.82	-40.00	-6.82	MBW 1M	-

Band 30_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

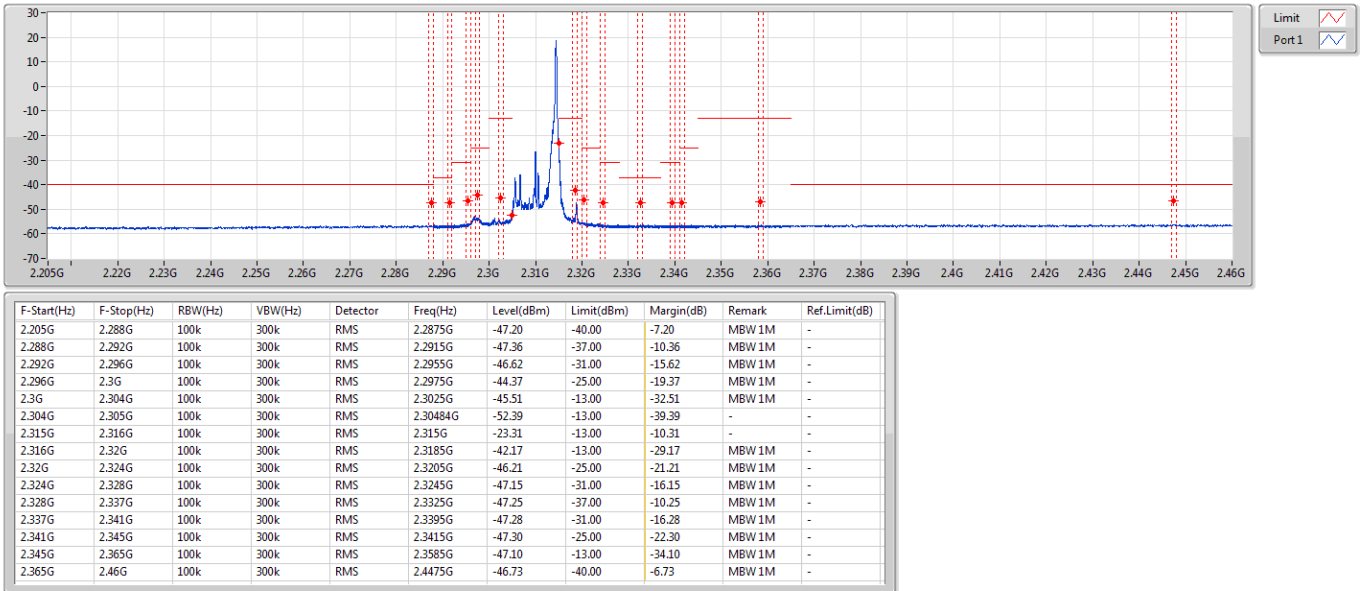
2310MHz_QPSK_RB 1,#RB 0



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	2.2855G	-47.18	-40.00	-7.18	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-47.34	-37.00	-10.34	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-46.85	-31.00	-15.85	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2965G	-46.05	-25.00	-21.05	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-42.18	-13.00	-29.18	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30499G	-23.08	-13.00	-10.08	-	-
2.315G	2.316G	100k	300k	RMS	2.31514G	-52.23	-13.00	-39.23	-	-
2.316G	2.32G	100k	300k	RMS	2.3185G	-44.89	-13.00	-31.89	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3225G	-46.08	-25.00	-21.08	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-47.25	-31.00	-16.25	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-47.25	-37.00	-10.25	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-47.29	-31.00	-16.29	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-47.30	-25.00	-22.30	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3645G	-47.18	-13.00	-34.18	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4525G	-46.75	-40.00	-6.75	MBW 1M	-

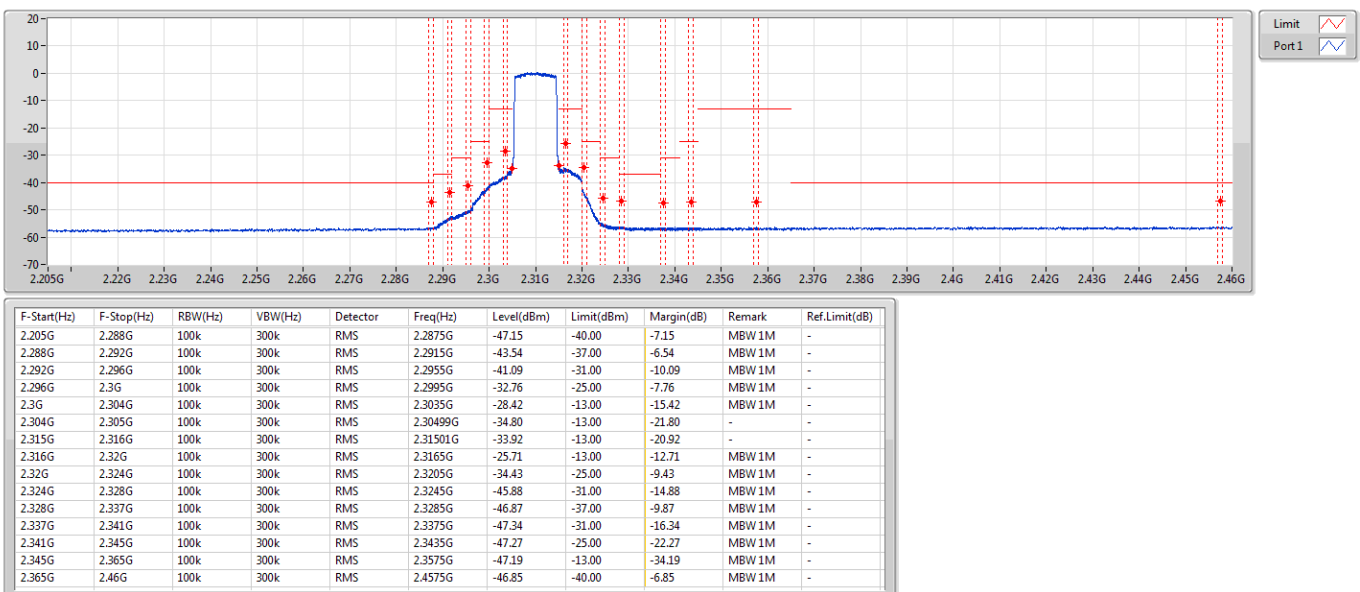
Band 30_LTE_10MHz_Nss1,QPSK_1TX
2310MHz_QPSK_RB 1,#RB 49

CSE-TX-Sum



Band 30_LTE_10MHz_Nss1,16QAMCS_1TX
2310MHz_16QAM_RB 50,#RB 0

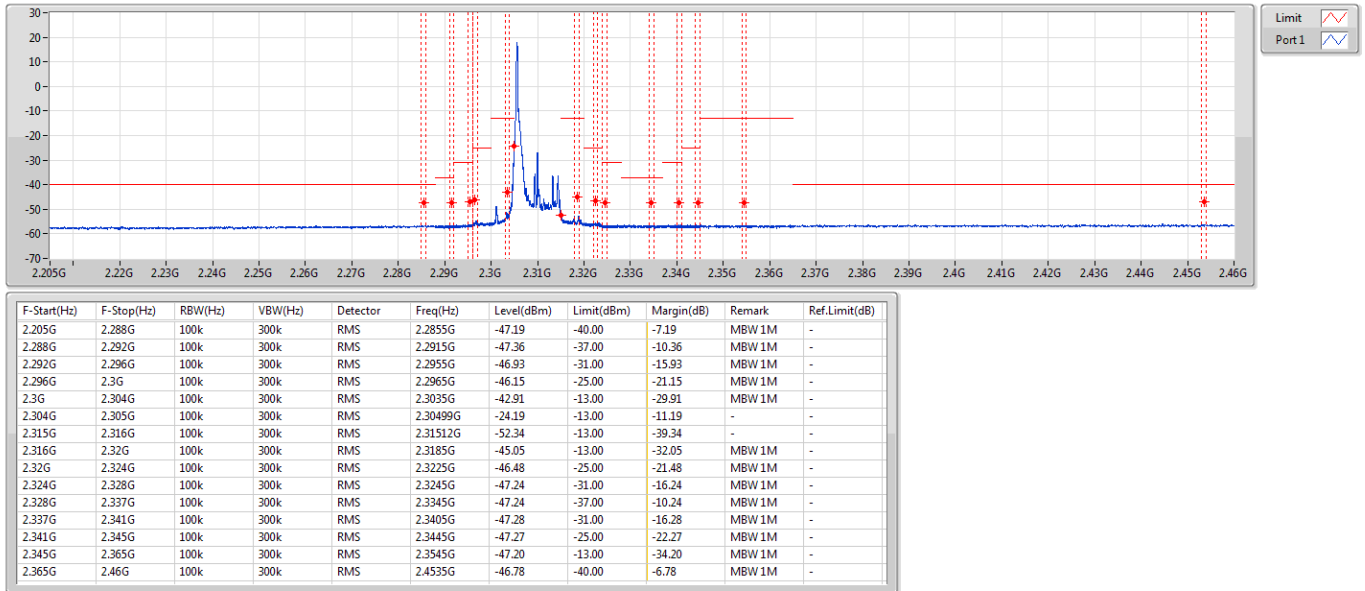
CSE-TX-Sum





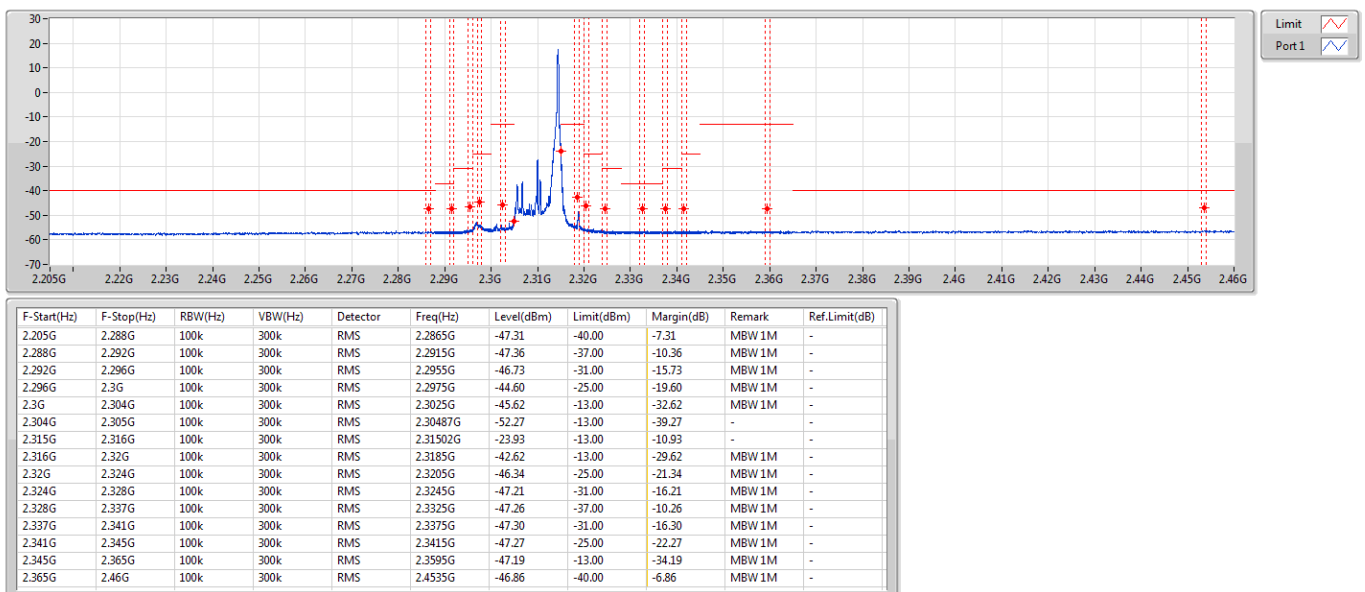
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2310MHz_16QAM_RB 1,#RB 0

CSE-TX-Sum



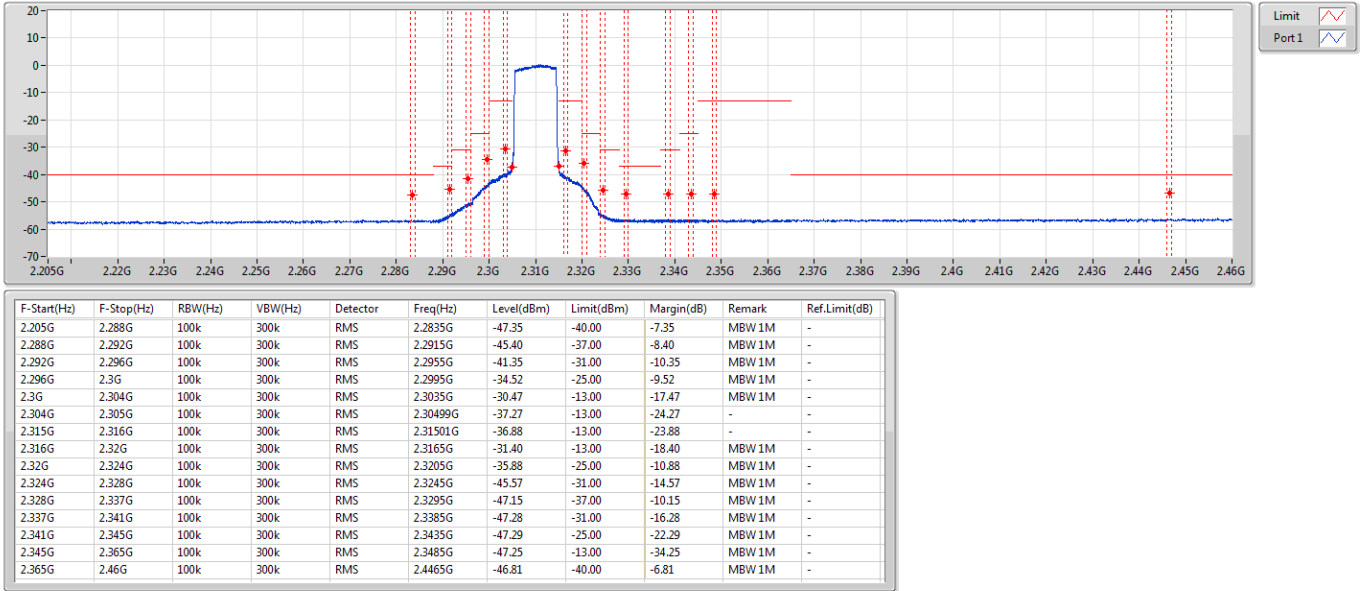
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2310MHz_16QAM_RB 1,#RB 49

CSE-TX-Sum



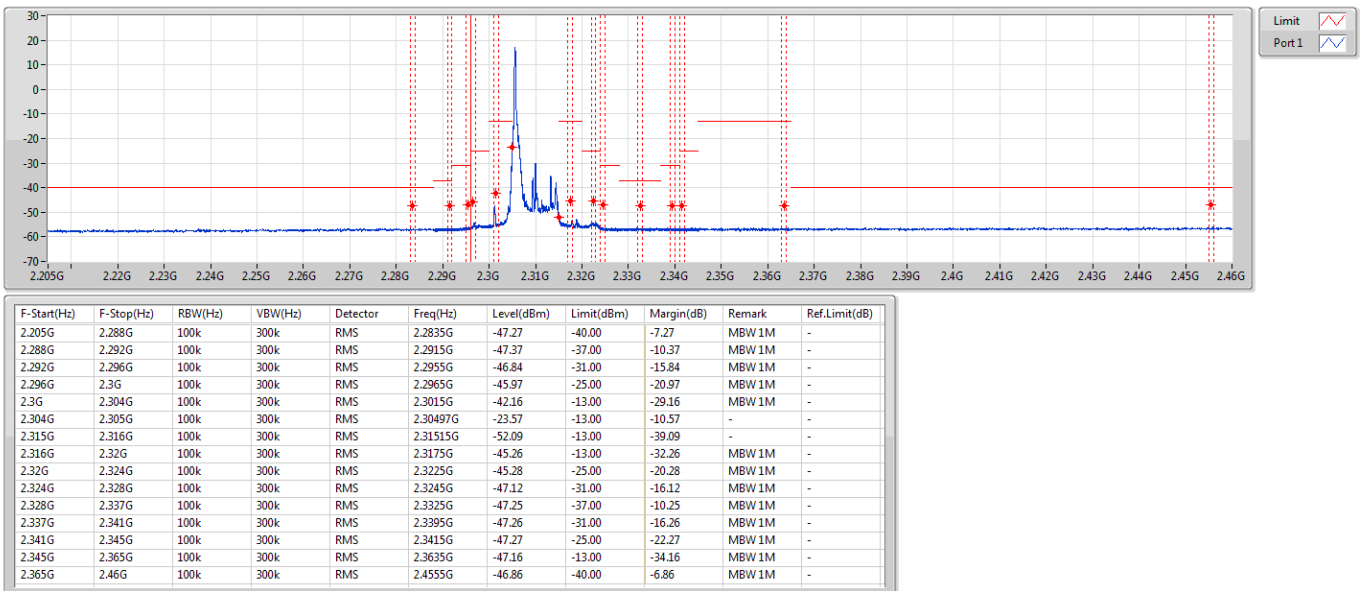
Band 30_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 50,#RB 0

CSE-TX-Sum



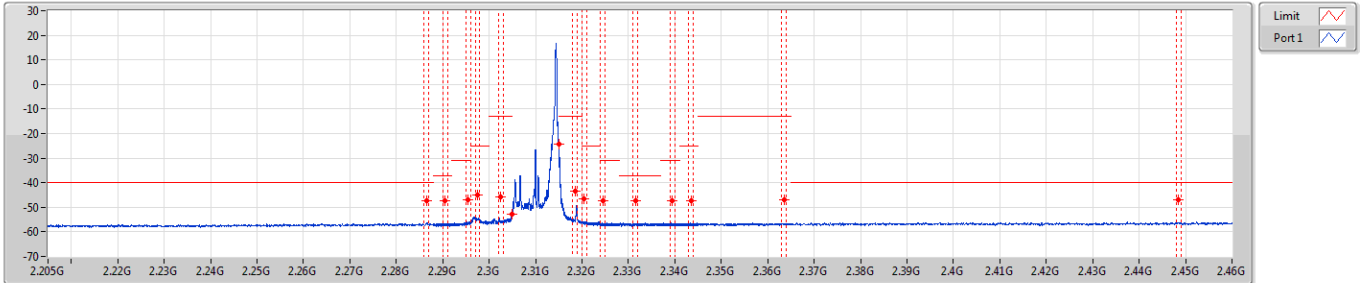
Band 30_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 1,#RB 0

CSE-TX-Sum



Band 30_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 1,#RB 49

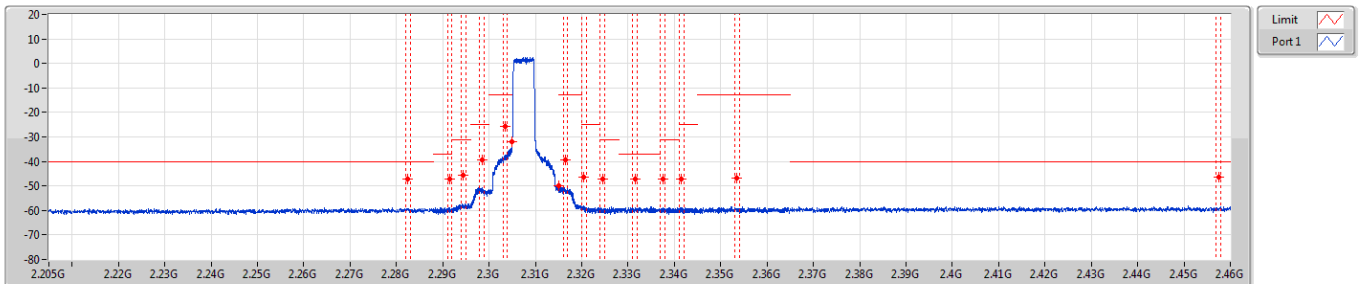
CSE-TX-Sum



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	2.285G	-47.19	-40.00	-7.19	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2905G	-47.33	-37.00	-10.33	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-46.82	-31.00	-15.82	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-45.12	-25.00	-20.12	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3025G	-45.81	-13.00	-32.81	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30486G	-52.94	-13.00	-39.94	-	-
2.315G	2.316G	100k	300k	RMS	2.315G	-24.45	-13.00	-11.45	-	-
2.316G	2.32G	100k	300k	RMS	2.3185G	-43.56	-13.00	-30.56	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-46.57	-25.00	-21.57	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-47.21	-31.00	-16.21	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3315G	-47.26	-37.00	-10.26	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3395G	-47.27	-31.00	-16.27	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3435G	-47.27	-25.00	-22.27	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3635G	-47.11	-13.00	-34.11	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4485G	-46.77	-40.00	-6.77	MBW 1M	-

Band 30_LTE_5MHz_Nss1,QPSK_1TX
2307.5MHz_QPSK_RB 25,#RB 0

CSE-TX-Sum



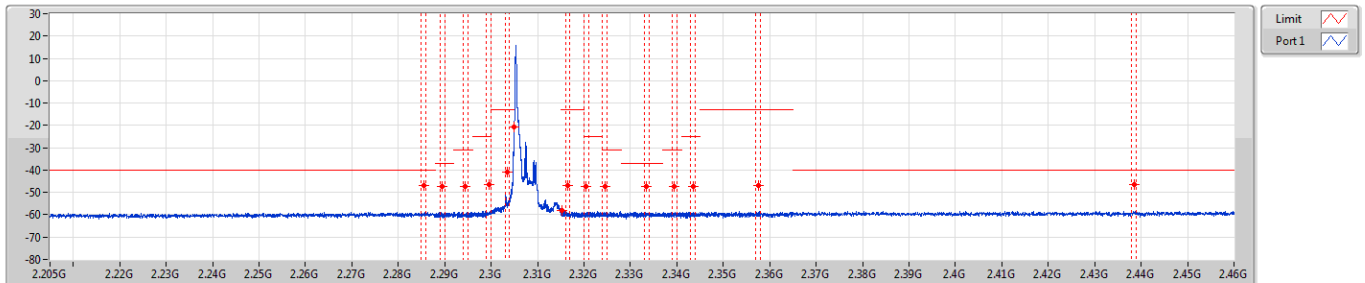
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2825G	-47.03	-40.00	-7.03	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.15	-37.00	-10.15	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-45.70	-31.00	-14.70	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2985G	-39.23	-25.00	-14.23	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-25.83	-13.00	-12.83	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30498G	-31.94	-13.00	-18.94	-	-
2.315G	2.316G	50k	200k	RMS	2.31502G	-49.88	-13.00	-36.88	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-39.18	-13.00	-26.18	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.45	-25.00	-21.45	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.25	-31.00	-16.25	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3315G	-47.08	-37.00	-10.08	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-47.26	-31.00	-16.26	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-47.17	-25.00	-22.17	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3535G	-46.92	-13.00	-33.92	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4575G	-46.57	-40.00	-6.57	MBW 1M	-



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 1,#RB 0

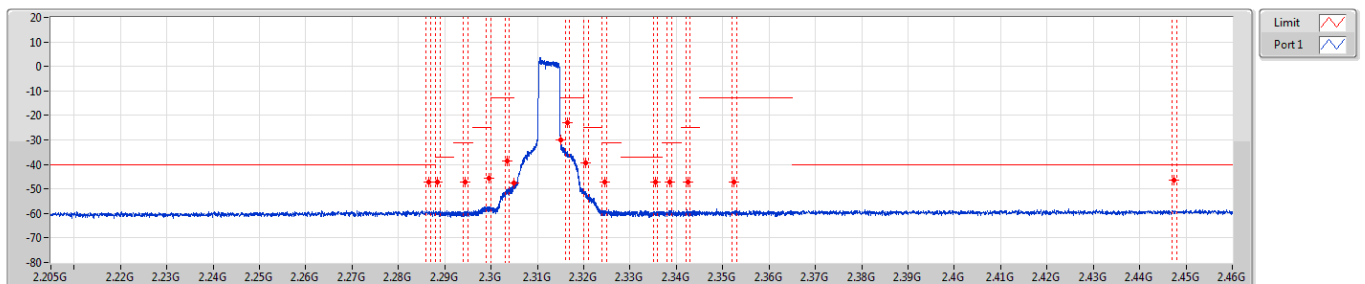


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2855G	-47.02	-40.00	-7.02	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2895G	-47.34	-37.00	-10.34	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-47.28	-31.00	-16.28	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-46.67	-25.00	-21.67	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-40.96	-13.00	-27.96	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-20.71	-13.00	-7.71	-	-
2.315G	2.316G	50k	200k	RMS	2.31531G	-58.09	-13.00	-45.09	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-47.01	-13.00	-34.01	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-47.20	-25.00	-22.20	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.20	-31.00	-16.20	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3335G	-47.17	-37.00	-10.17	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3395G	-47.21	-31.00	-16.21	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-47.25	-25.00	-22.25	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3575G	-46.99	-13.00	-33.99	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4385G	-46.52	-40.00	-6.52	MBW 1M	-

Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 25,#RB 0



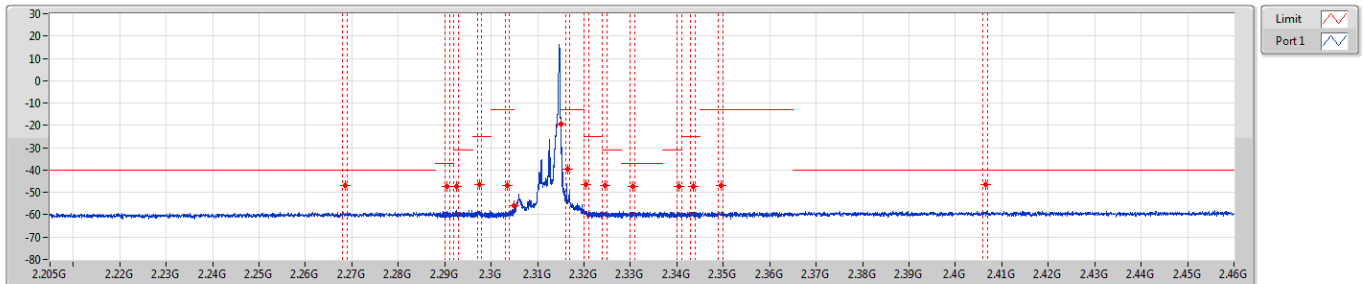
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2865G	-47.07	-40.00	-7.07	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2885G	-47.27	-37.00	-10.27	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-47.32	-31.00	-16.32	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-45.49	-25.00	-20.49	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-38.64	-13.00	-25.64	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-47.70	-13.00	-34.70	-	-
2.315G	2.316G	50k	200k	RMS	2.31501G	-30.19	-13.00	-17.19	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-23.11	-13.00	-10.11	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-39.50	-25.00	-14.50	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.03	-31.00	-16.03	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3355G	-47.13	-37.00	-10.13	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-47.21	-31.00	-16.21	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3425G	-47.16	-25.00	-22.16	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3525G	-47.03	-13.00	-34.03	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4475G	-46.56	-40.00	-6.56	MBW 1M	-



Band 30_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1,#RB 24

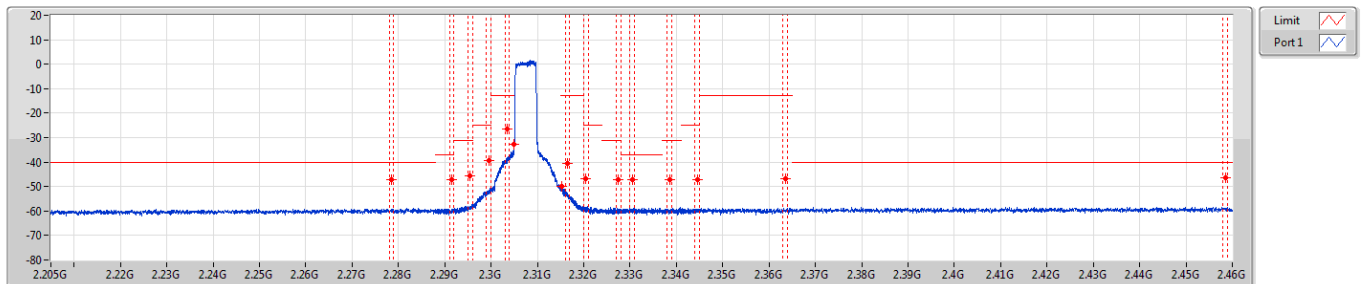


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2685G	-47.08	-40.00	-7.08	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2905G	-47.25	-37.00	-10.25	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2925G	-47.14	-31.00	-16.14	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-46.67	-25.00	-21.67	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-47.07	-13.00	-34.07	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30485G	-56.11	-13.00	-43.11	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-19.33	-13.00	-6.33	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-39.46	-13.00	-26.46	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.64	-25.00	-21.64	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.04	-31.00	-16.04	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3305G	-47.13	-37.00	-10.13	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3405G	-47.26	-31.00	-16.26	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-47.17	-25.00	-22.17	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3495G	-46.97	-13.00	-33.97	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4065G	-46.54	-40.00	-6.54	MBW 1M	-

Band 30_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2307.5MHz_16QAM_RB 25,#RB 0



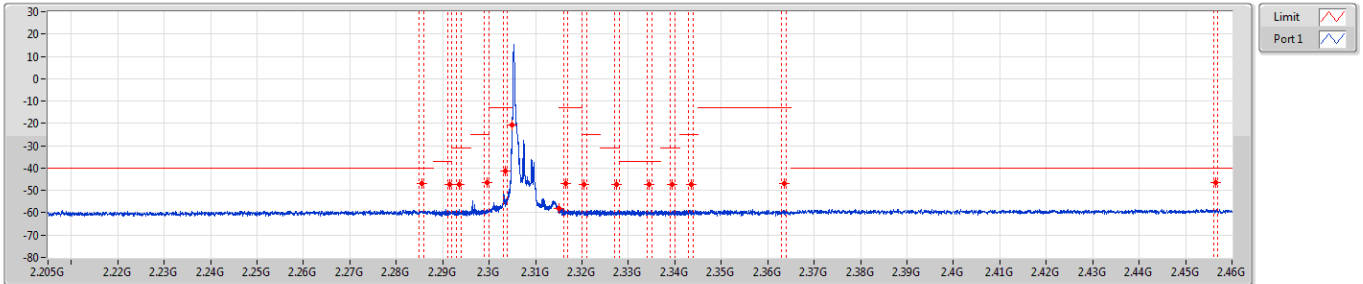
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2785G	-47.08	-40.00	-7.08	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.36	-37.00	-10.36	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-45.75	-31.00	-14.75	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-39.39	-25.00	-14.39	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-26.41	-13.00	-13.41	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-32.61	-13.00	-19.61	-	-
2.315G	2.316G	50k	200k	RMS	2.31521G	-49.82	-13.00	-36.82	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-40.63	-13.00	-27.63	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.68	-25.00	-21.68	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3275G	-47.20	-31.00	-16.20	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3305G	-47.15	-37.00	-10.15	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-47.29	-31.00	-16.29	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3445G	-47.13	-25.00	-22.13	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3635G	-46.91	-13.00	-33.91	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4585G	-46.42	-40.00	-6.42	MBW 1M	-



Band 30_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2307.5MHz_16QAM_RB 1,#RB 0

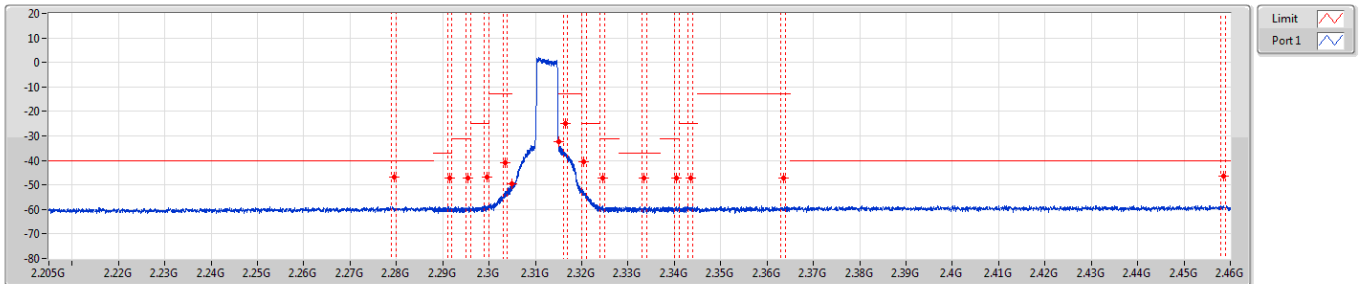


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2855G	-47.03	-40.00	-7.03	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.29	-37.00	-10.29	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2935G	-47.30	-31.00	-16.30	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-46.61	-25.00	-21.61	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-41.53	-13.00	-28.53	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-20.55	-13.00	-7.55	-	-
2.315G	2.316G	50k	200k	RMS	2.31513G	-57.95	-13.00	-44.95	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-47.10	-13.00	-34.10	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-47.28	-25.00	-22.28	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3275G	-47.32	-31.00	-16.32	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3345G	-47.24	-37.00	-10.24	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3395G	-47.27	-31.00	-16.27	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-47.18	-25.00	-22.18	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3635G	-47.10	-13.00	-34.10	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4565G	-46.53	-40.00	-6.53	MBW 1M	-

Band 30_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2312.5MHz_16QAM_RB 25,#RB 0



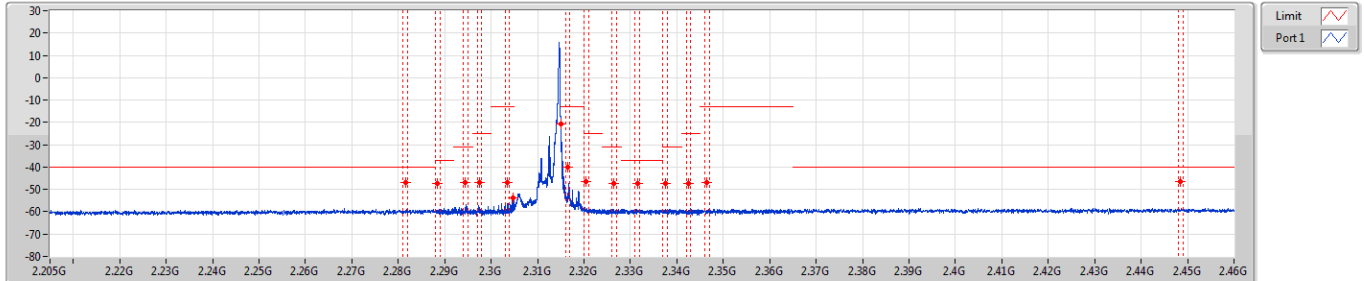
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2795G	-46.99	-40.00	-6.99	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.30	-37.00	-10.30	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-47.30	-31.00	-16.30	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-46.63	-25.00	-21.63	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-41.05	-13.00	-28.05	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30497G	-49.56	-13.00	-36.56	-	-
2.315G	2.316G	50k	200k	RMS	2.31501G	-32.36	-13.00	-19.36	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-25.03	-13.00	-12.03	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-40.71	-25.00	-15.71	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.12	-31.00	-16.12	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3335G	-47.17	-37.00	-10.17	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3405G	-47.10	-31.00	-16.10	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-47.15	-25.00	-22.15	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3635G	-47.05	-13.00	-34.05	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4585G	-46.52	-40.00	-6.52	MBW 1M	-



Band 30_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2312.5MHz_16QAM_RB 1,#RB 24

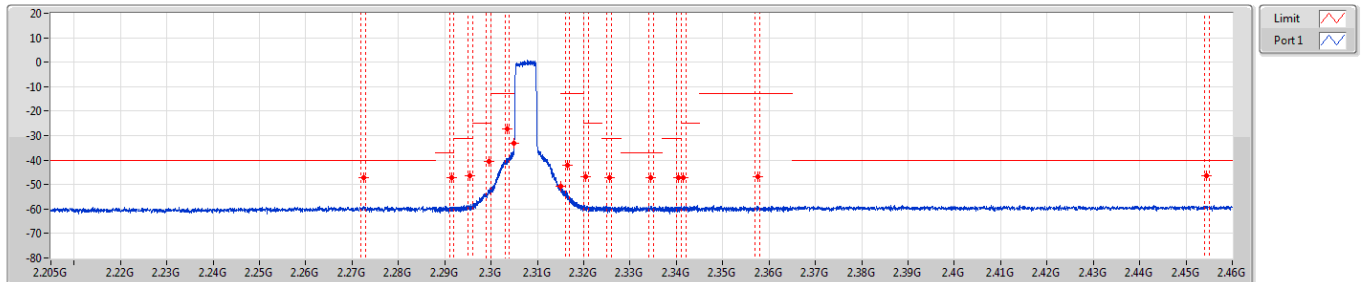


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2815G	-47.09	-40.00	-7.09	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2885G	-47.24	-37.00	-10.24	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-47.11	-31.00	-16.11	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-46.77	-25.00	-21.77	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-46.78	-13.00	-33.78	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30481G	-53.68	-13.00	-40.68	-	-
2.315G	2.316G	50k	200k	RMS	2.31501G	-20.62	-13.00	-7.62	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-39.99	-13.00	-26.99	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.60	-25.00	-21.60	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3265G	-47.24	-31.00	-16.24	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3315G	-47.14	-37.00	-10.14	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-47.20	-31.00	-16.20	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3425G	-47.26	-25.00	-22.26	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3465G	-47.05	-13.00	-34.05	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4485G	-46.57	-40.00	-6.57	MBW 1M	-

Band 30_LTE_5MHz_Nss1,64QAMCS_1TX

CSE-TX-Sum

2307.5MHz_64QAM_RB 25,#RB 0



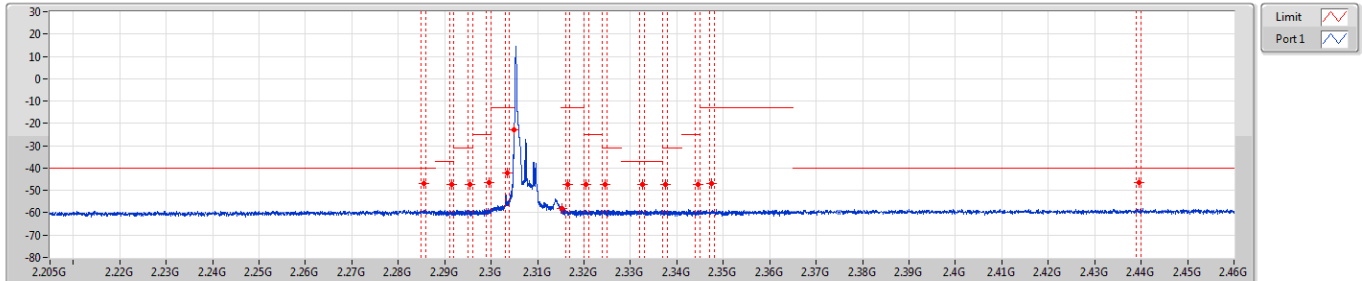
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2725G	-47.03	-40.00	-7.03	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.30	-37.00	-10.30	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-46.50	-31.00	-15.50	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-40.38	-25.00	-15.38	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-27.42	-13.00	-14.42	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-33.17	-13.00	-20.17	-	-
2.315G	2.316G	50k	200k	RMS	2.31506G	-50.67	-13.00	-37.67	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-42.18	-13.00	-29.18	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.89	-25.00	-21.89	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3255G	-47.27	-31.00	-16.27	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3345G	-47.06	-37.00	-10.06	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3405G	-47.25	-31.00	-16.25	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-47.18	-25.00	-22.18	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3575G	-46.96	-13.00	-33.96	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4545G	-46.57	-40.00	-6.57	MBW 1M	-



Band 30_LTE_5MHz_Nss1,64QAMCS_1TX

CSE-TX-Sum

2307.5MHz_64QAM_RB 1,#RB 0

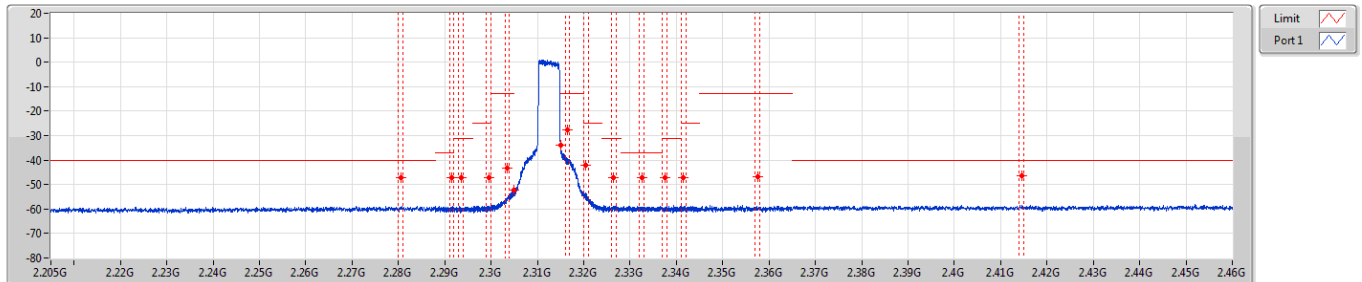


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2855G	-46.89	-40.00	-6.89	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.32	-37.00	-10.32	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-47.27	-31.00	-16.27	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-46.51	-25.00	-21.51	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-42.19	-13.00	-29.19	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30497G	-22.98	-13.00	-9.98	-	-
2.315G	2.316G	50k	200k	RMS	2.31517G	-57.94	-13.00	-44.94	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-47.14	-13.00	-34.14	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-47.18	-25.00	-22.18	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.18	-31.00	-16.18	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3325G	-47.13	-37.00	-10.13	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-47.28	-31.00	-16.28	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3445G	-47.28	-25.00	-22.28	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3475G	-47.00	-13.00	-34.00	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4395G	-46.52	-40.00	-6.52	MBW 1M	-

Band 30_LTE_5MHz_Nss1,64QAMCS_1TX

CSE-TX-Sum

2312.5MHz_64QAM_RB 25,#RB 0

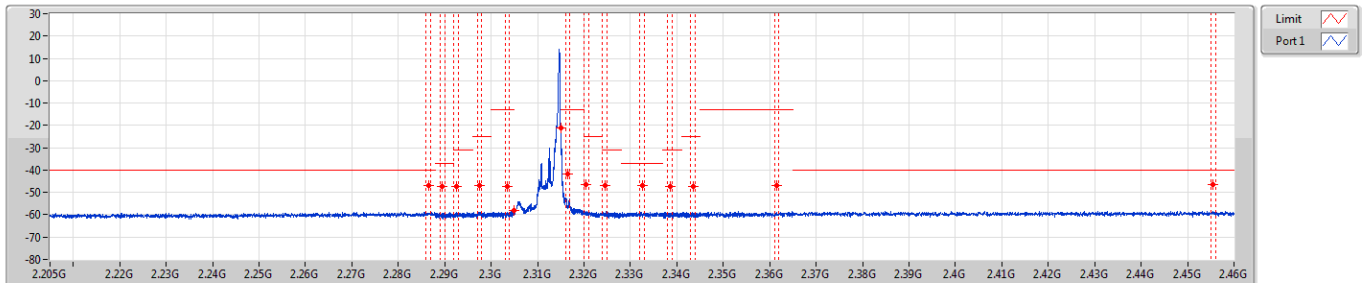


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2805G	-47.09	-40.00	-7.09	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-47.32	-37.00	-10.32	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2935G	-47.25	-31.00	-16.25	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-47.05	-25.00	-22.05	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-43.11	-13.00	-30.11	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30498G	-52.10	-13.00	-39.10	-	-
2.315G	2.316G	50k	200k	RMS	2.31502G	-33.79	-13.00	-20.79	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-27.58	-13.00	-14.58	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-42.26	-25.00	-17.26	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3265G	-47.04	-31.00	-16.04	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3325G	-47.13	-37.00	-10.13	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-47.29	-31.00	-16.29	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-47.17	-25.00	-22.17	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3575G	-46.99	-13.00	-33.99	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4145G	-46.56	-40.00	-6.56	MBW 1M	-



Band 30_LTE_5MHz_Nss1,64QAMCS_1TX
2312.5MHz_64QAM_RB 1,#RB 24

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	50k	200k	RMS	2.2865G	-47.00	-40.00	-7.00	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2895G	-47.35	-37.00	-10.35	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2925G	-47.24	-31.00	-16.24	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-46.98	-25.00	-21.98	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-47.26	-13.00	-34.26	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30499G	-57.98	-13.00	-44.98	-	-
2.315G	2.316G	50k	200k	RMS	2.31501G	-21.10	-13.00	-8.10	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-41.68	-13.00	-28.68	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-46.60	-25.00	-21.60	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.09	-31.00	-16.09	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3325G	-47.04	-37.00	-10.04	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-47.32	-31.00	-16.32	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-47.28	-25.00	-22.28	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3615G	-47.00	-13.00	-34.00	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4555G	-46.52	-40.00	-6.52	MBW 1M	-



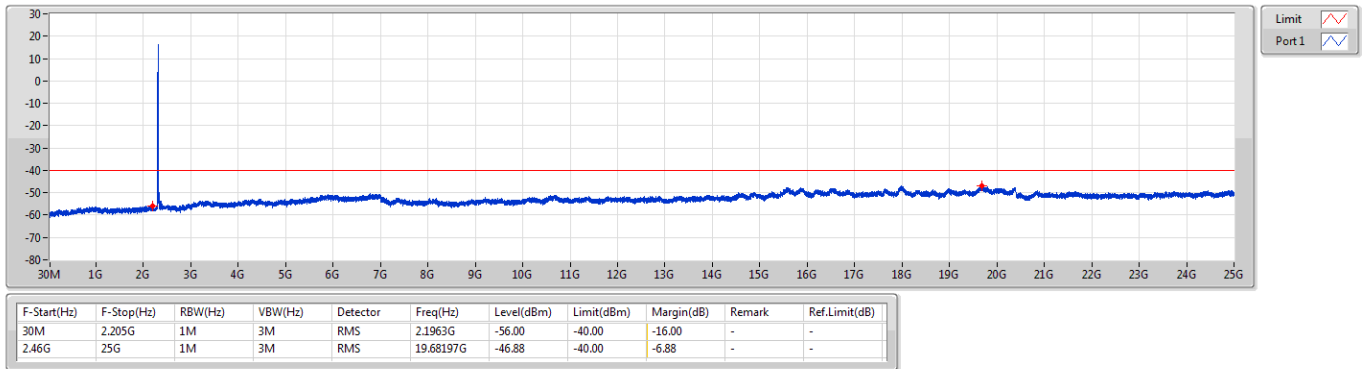
Summary

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	19.68197G	-46.88	-40.00	-6.88	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.46G	25G	1M	3M	RMS	19.6552G	-46.76	-40.00	-6.76	-	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

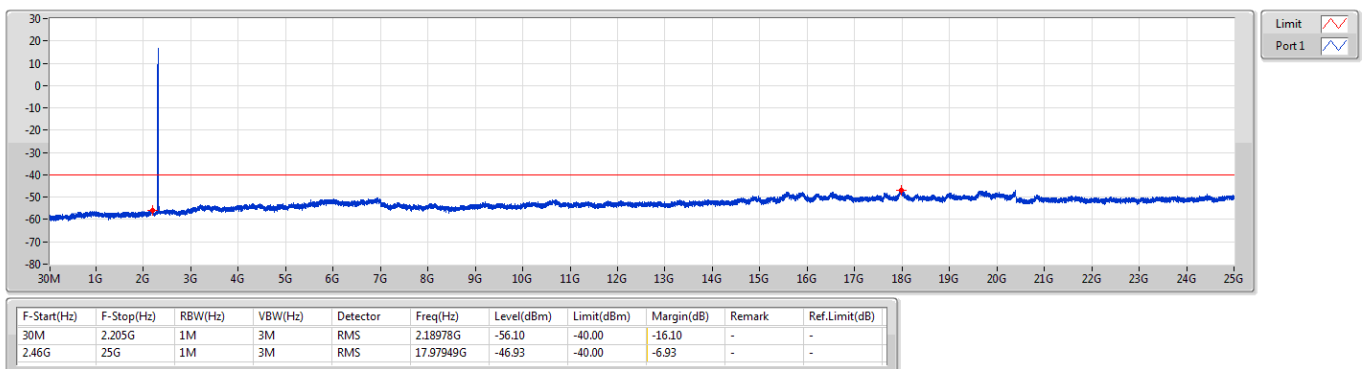
2310MHz_QPSK_RB 1



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 1

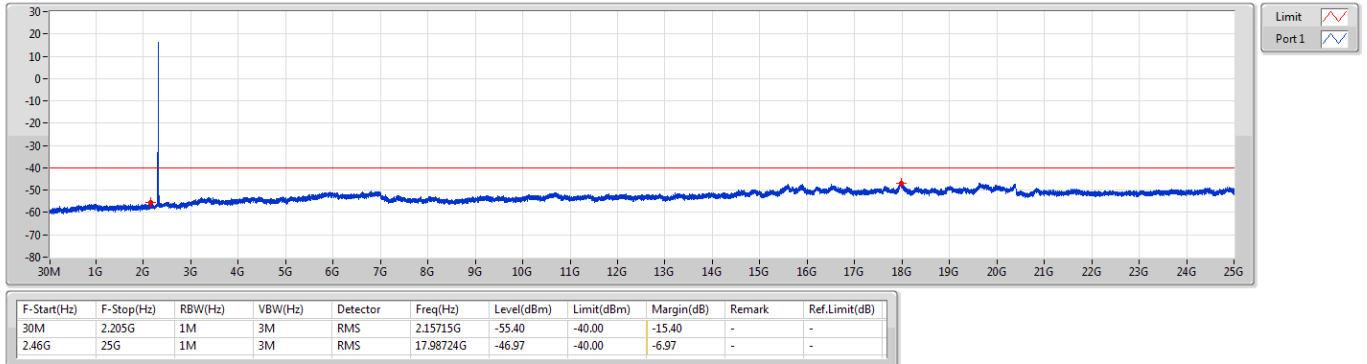




Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

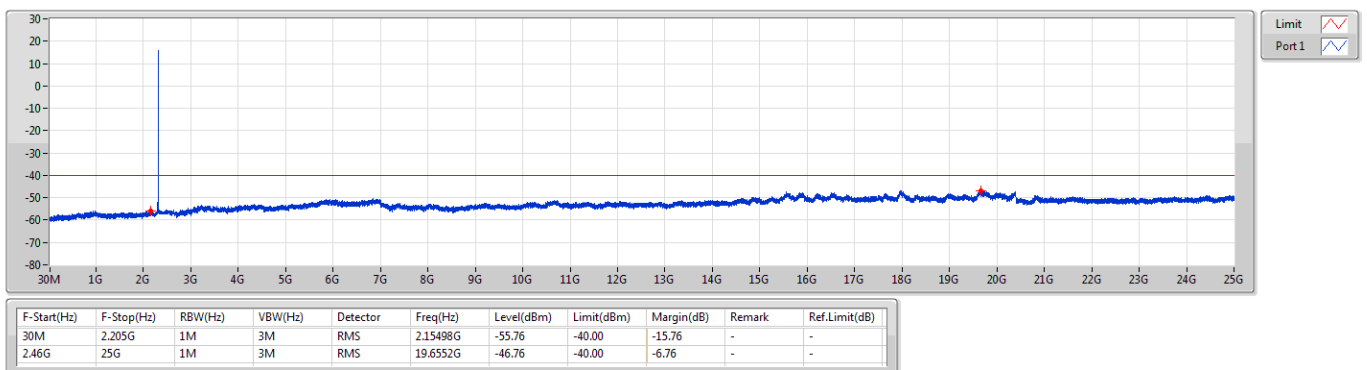
2310MHz_QPSK_RB 1



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1



Summary

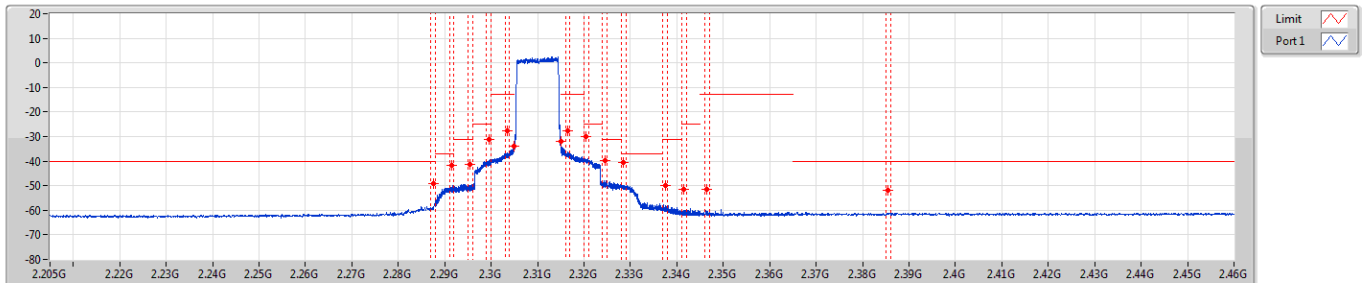
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 40	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-40.71	-37.00	-3.71	MBW 1M	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-42.58	-37.00	-5.58	MBW 1M	-
LTE_10MHz_Nss1,64QAM_1TX	Pass	2.328G	2.337G	100k	300k	RMS	2.3285G	-44.19	-37.00	-7.19	MBW 1M	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-19.66	-13.00	-6.66	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	2.315G	2.316G	50k	200k	RMS	2.315G	-19.67	-13.00	-6.67	-	-
LTE_5MHz_Nss1,64QAM_1TX	Pass	2.304G	2.305G	50k	200k	RMS	2.305G	-21.17	-13.00	-8.17	-	-



Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2310MHz_QPSK_RB 50,#RB 0

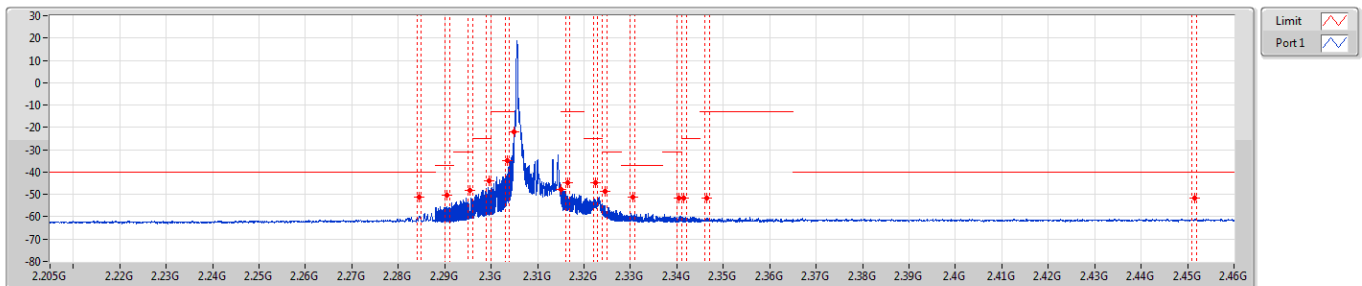


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-49.00	-40.00	-9.00	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-41.70	-37.00	-4.70	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-41.18	-31.00	-10.18	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-31.12	-25.00	-6.12	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-27.77	-13.00	-14.77	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30499G	-33.84	-13.00	-20.84	-	-
2.315G	2.316G	100k	300k	RMS	2.31501G	-31.79	-13.00	-18.79	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-27.69	-13.00	-14.69	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-30.16	-25.00	-5.16	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-39.71	-31.00	-8.71	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-40.71	-37.00	-3.71	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-49.89	-31.00	-18.89	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.66	-25.00	-26.66	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3465G	-51.54	-13.00	-38.54	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3855G	-51.70	-40.00	-11.70	MBW 1M	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

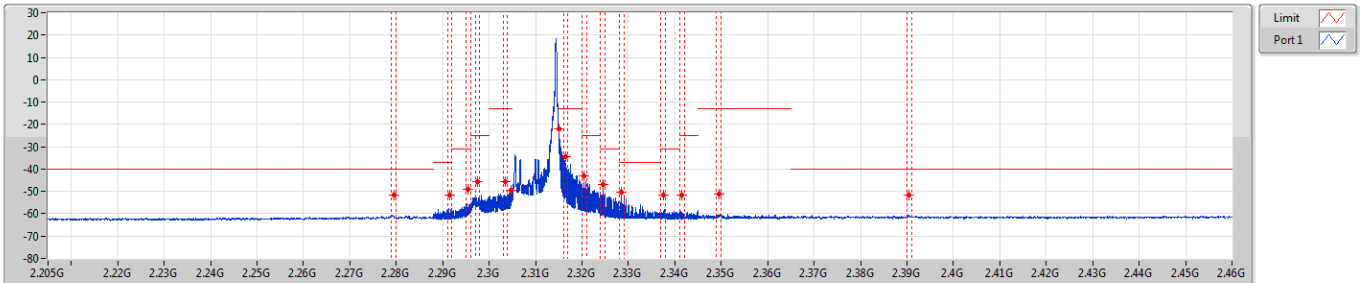
2310MHz_QPSK_RB 1,#RB 0



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	2.2845G	-51.01	-40.00	-11.01	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2905G	-50.31	-37.00	-13.31	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-48.20	-31.00	-17.20	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-43.79	-25.00	-18.79	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-34.91	-13.00	-21.91	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.3051G	-22.17	-13.00	-9.17	-	-
2.315G	2.316G	100k	300k	RMS	2.31514G	-47.74	-13.00	-34.74	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-44.74	-13.00	-31.74	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3225G	-44.76	-25.00	-19.76	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.71	-31.00	-17.71	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3305G	-51.04	-37.00	-14.04	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3405G	-51.75	-31.00	-20.75	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.83	-25.00	-26.83	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3465G	-51.78	-13.00	-38.78	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4515G	-51.66	-40.00	-11.66	MBW 1M	-

Band 40_LTE_10MHz_Nss1,QPSK_1TX 2310MHz_QPSK_RB 1,#RB 49

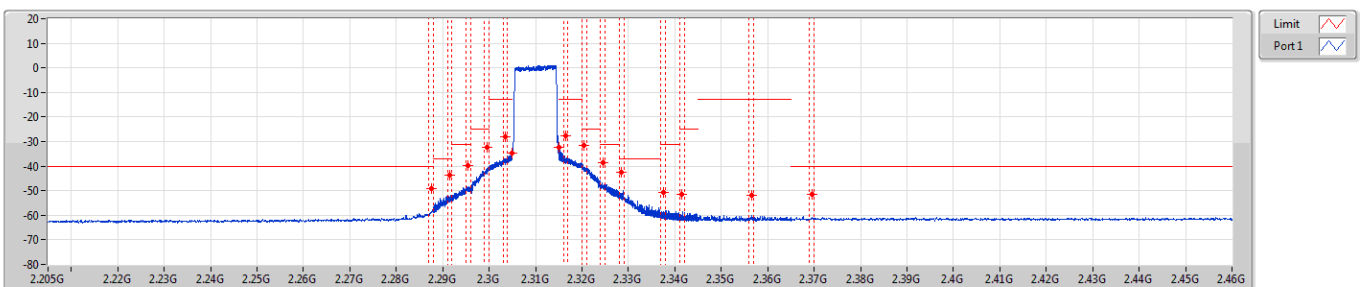
CSE-TX-Sum



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	-51.64	-40.00	-11.64	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-51.47	-37.00	-14.47	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-49.08	-31.00	-18.08	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2975G	-45.63	-25.00	-20.63	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-45.79	-13.00	-32.79	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30476G	-49.39	-13.00	-36.39	-	-
2.315G	2.316G	100k	300k	RMS	2.31502G	-21.83	-13.00	-8.83	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-34.35	-13.00	-21.35	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-43.11	-25.00	-18.11	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-47.07	-31.00	-16.07	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-50.14	-37.00	-13.14	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-51.50	-31.00	-20.50	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.68	-25.00	-26.68	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3495G	-51.21	-13.00	-38.21	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3905G	-51.51	-40.00	-11.51	MBW 1M	-

Band 40_LTE_10MHz_Nss1,16QAMCS_1TX 2310MHz_16QAM_RB 50,#RB 0

CSE-TX-Sum

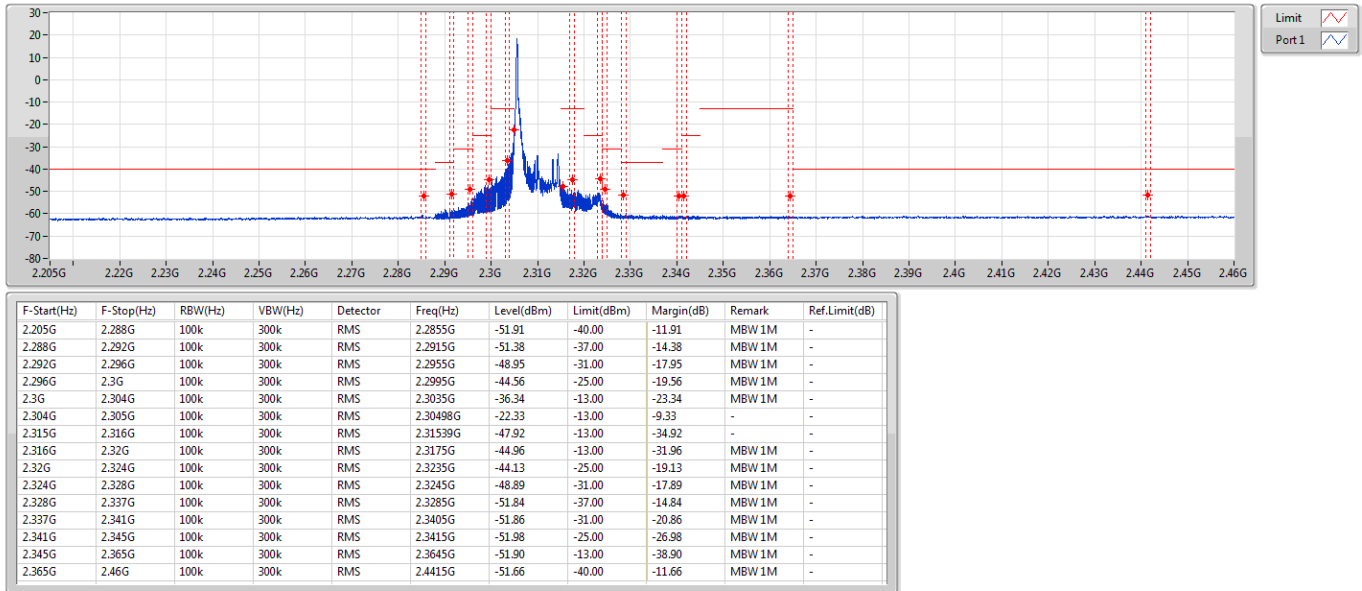


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	100k	300k	RMS	2.2875G	-49.25	-40.00	-9.25	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-43.79	-37.00	-6.79	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-39.70	-31.00	-8.70	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-32.20	-25.00	-7.20	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-28.04	-13.00	-15.04	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30499G	-34.82	-13.00	-21.82	-	-
2.315G	2.316G	100k	300k	RMS	2.31504G	-32.18	-13.00	-19.18	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-27.72	-13.00	-14.72	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-31.39	-25.00	-6.39	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-38.76	-31.00	-7.76	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-42.58	-37.00	-5.58	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-50.66	-31.00	-19.66	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.56	-25.00	-26.56	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3565G	-51.69	-13.00	-38.69	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3695G	-51.66	-40.00	-11.66	MBW 1M	-



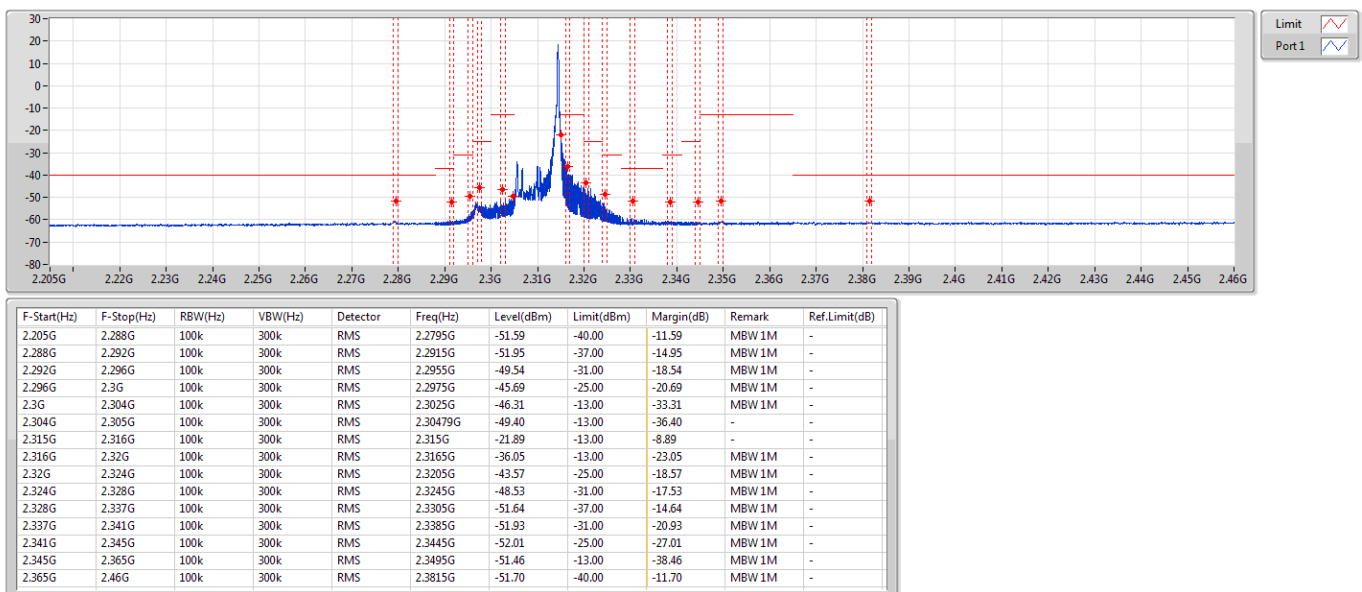
Band 40_LTE_10MHz_Nss1,16QAMCS_1TX
2310MHz_16QAM_RB 1,#RB 0

CSE-TX-Sum



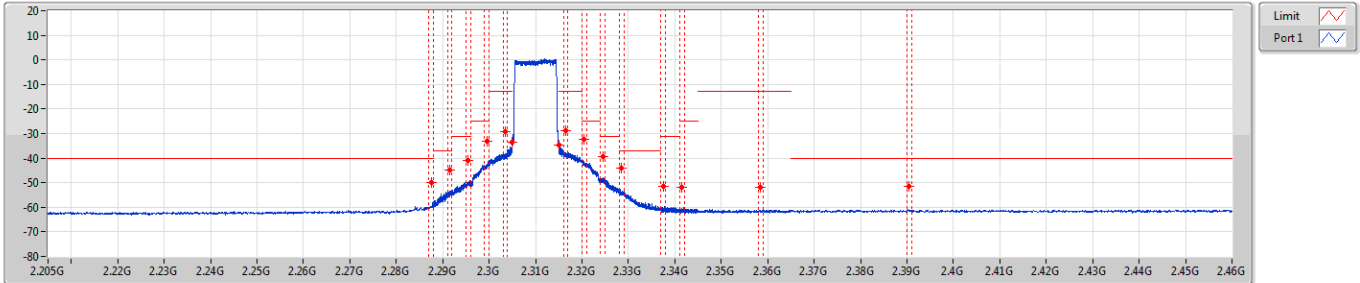
Band 40_LTE_10MHz_Nss1,16QAMCS_1TX
2310MHz_16QAM_RB 1,#RB 49

CSE-TX-Sum



Band 40_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 50,#RB 0

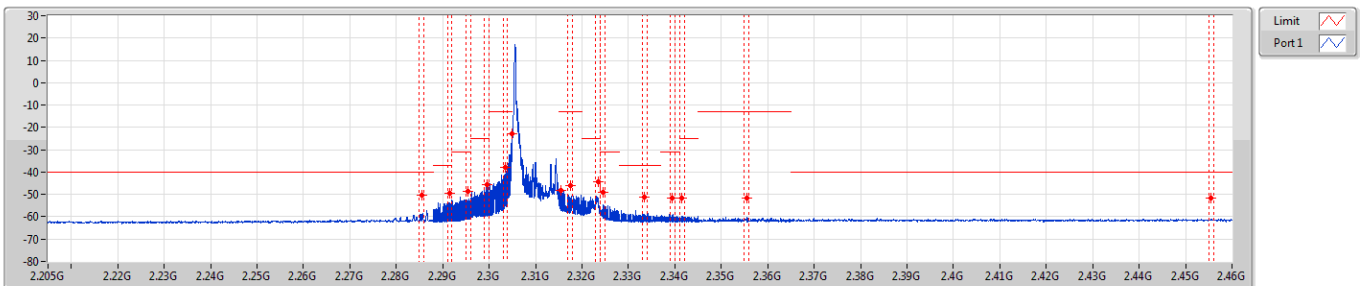
CSE-TX-Sum



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	2.2875G	-49.80	-40.00	-9.80	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-44.98	-37.00	-7.98	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-40.80	-31.00	-9.80	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-33.29	-25.00	-8.29	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-29.29	-13.00	-16.29	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30495G	-33.62	-13.00	-20.62	-	-
2.315G	2.316G	100k	300k	RMS	2.31502G	-34.56	-13.00	-21.56	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-28.87	-13.00	-15.87	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-32.44	-25.00	-7.44	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-39.50	-31.00	-8.50	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3285G	-44.19	-37.00	-7.19	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3375G	-51.42	-31.00	-20.42	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.82	-25.00	-26.82	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3585G	-51.88	-13.00	-38.88	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3905G	-51.67	-40.00	-11.67	MBW 1M	-

Band 40_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 1,#RB 0

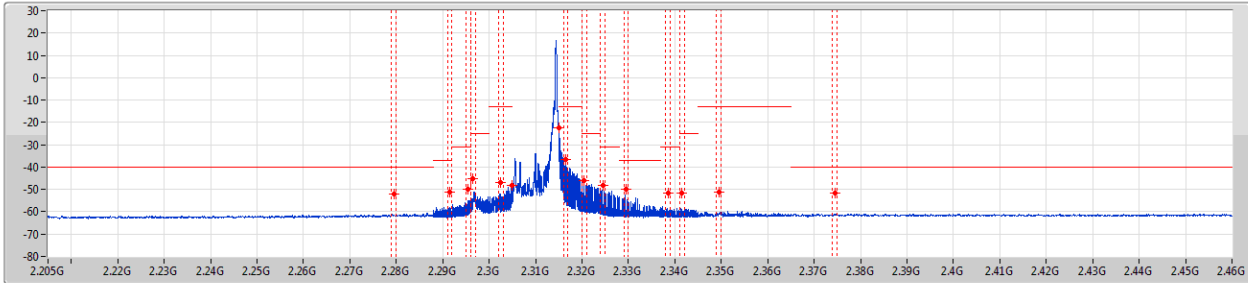
CSE-TX-Sum



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	-50.55	-40.00	-10.55	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-49.69	-37.00	-12.69	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-48.42	-31.00	-17.42	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2995G	-45.57	-25.00	-20.57	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3035G	-37.99	-13.00	-24.99	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30499G	-22.93	-13.00	-9.93	-	-
2.315G	2.316G	100k	300k	RMS	2.31552G	-48.07	-13.00	-35.07	-	-
2.316G	2.32G	100k	300k	RMS	2.3175G	-46.06	-13.00	-33.06	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3235G	-44.35	-25.00	-19.35	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-49.18	-31.00	-18.18	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3335G	-51.23	-37.00	-14.23	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3395G	-51.64	-31.00	-20.64	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	2.3555G	-51.64	-13.00	-38.64	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.4555G	-51.68	-40.00	-11.68	MBW 1M	-

Band 40_LTE_10MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 1,#RB 49

CSE-TX-Sum

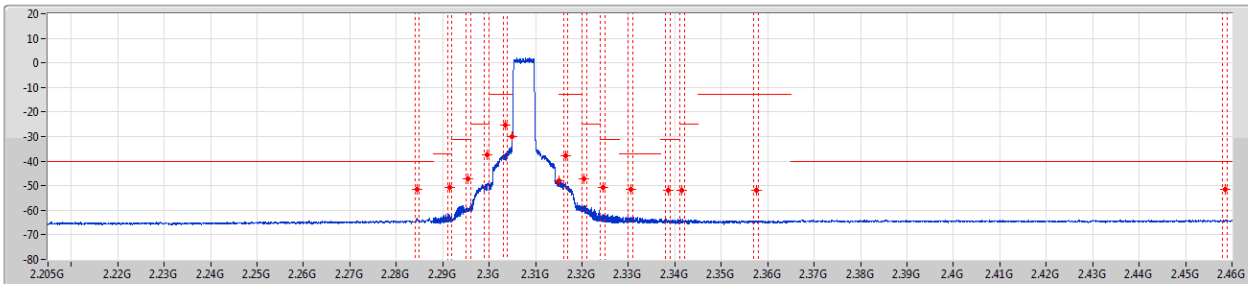


Limit
Port1

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	-51.89	-40.00	-11.89	MBW 1M	-
2.288G	2.292G	100k	300k	RMS	2.2915G	-51.37	-37.00	-14.37	MBW 1M	-
2.292G	2.296G	100k	300k	RMS	2.2955G	-50.06	-31.00	-19.06	MBW 1M	-
2.296G	2.3G	100k	300k	RMS	2.2965G	-45.25	-25.00	-20.25	MBW 1M	-
2.3G	2.304G	100k	300k	RMS	2.3025G	-47.08	-13.00	-34.08	MBW 1M	-
2.304G	2.305G	100k	300k	RMS	2.30499G	-48.00	-13.00	-35.00	-	-
2.315G	2.316G	100k	300k	RMS	2.31501G	-22.31	-13.00	-9.31	-	-
2.316G	2.32G	100k	300k	RMS	2.3165G	-36.48	-13.00	-23.48	MBW 1M	-
2.32G	2.324G	100k	300k	RMS	2.3205G	-45.90	-25.00	-20.90	MBW 1M	-
2.324G	2.328G	100k	300k	RMS	2.3245G	-48.16	-31.00	-17.16	MBW 1M	-
2.328G	2.337G	100k	300k	RMS	2.3295G	-50.13	-37.00	-13.13	MBW 1M	-
2.337G	2.341G	100k	300k	RMS	2.3385G	-51.48	-31.00	-20.48	MBW 1M	-
2.341G	2.345G	100k	300k	RMS	2.3415G	-51.62	-25.00	-26.62	MBW 1M	-
2.345G	2.365G	100k	300k	RMS	2.3495G	-51.32	-13.00	-38.32	MBW 1M	-
2.365G	2.46G	100k	300k	RMS	2.3745G	-51.58	-40.00	-11.58	MBW 1M	-

Band 40_LTE_5MHz_Nss1,QPSK_1TX
2307.5MHz_QPSK_RB 25,#RB 0

CSE-TX-Sum



Limit
Port1

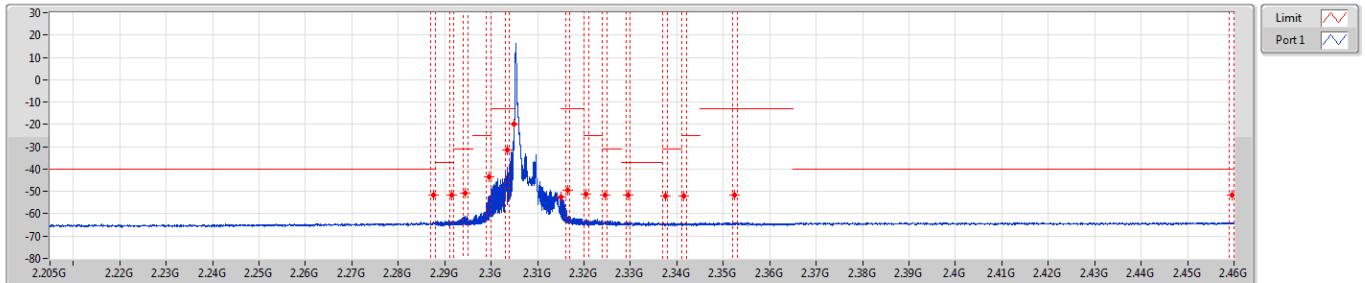
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2845G	-51.36	-40.00	-11.36	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-50.88	-37.00	-13.88	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-47.01	-31.00	-16.01	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-37.53	-25.00	-12.53	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-25.28	-13.00	-12.28	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-30.12	-13.00	-17.12	-	-
2.315G	2.316G	50k	200k	RMS	2.31503G	-48.03	-13.00	-35.03	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-37.64	-13.00	-24.64	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-47.02	-25.00	-22.02	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-50.78	-31.00	-19.78	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3305G	-51.34	-37.00	-14.34	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-51.78	-31.00	-20.78	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-51.91	-25.00	-26.91	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3575G	-51.86	-13.00	-38.86	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4585G	-51.57	-40.00	-11.57	MBW 1M	-



Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2307.5MHz_QPSK_RB 1,#RB 0

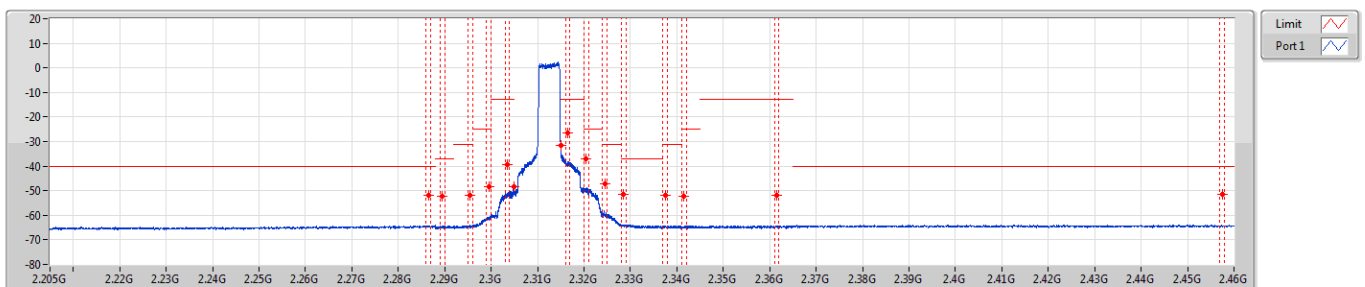


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2875G	-51.57	-40.00	-11.57	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-51.56	-37.00	-14.56	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-50.63	-31.00	-19.63	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-43.68	-25.00	-18.68	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-31.53	-13.00	-18.53	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-19.66	-13.00	-6.66	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-52.47	-13.00	-39.47	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-49.42	-13.00	-36.42	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-51.32	-25.00	-26.32	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.66	-31.00	-20.66	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3295G	-51.83	-37.00	-14.83	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-52.00	-31.00	-21.00	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-52.00	-25.00	-27.00	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3525G	-51.72	-13.00	-38.72	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4595G	-51.56	-40.00	-11.56	MBW 1M	-

Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 25,#RB 0

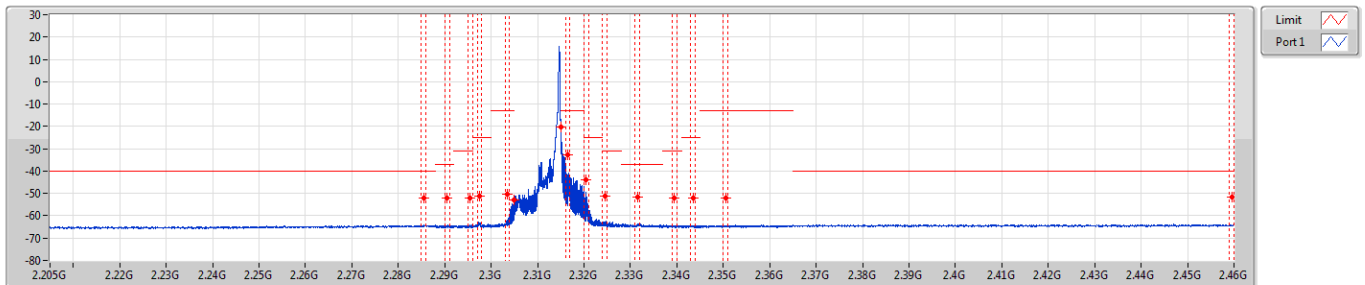


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2865G	-51.90	-40.00	-11.90	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2895G	-52.13	-37.00	-15.13	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-51.82	-31.00	-20.82	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-48.46	-25.00	-23.46	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-39.18	-13.00	-26.18	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30494G	-48.54	-13.00	-35.54	-	-
2.315G	2.316G	50k	200k	RMS	2.31502G	-31.74	-13.00	-18.74	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-26.33	-13.00	-13.33	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-37.22	-25.00	-12.22	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-47.01	-31.00	-16.01	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3285G	-51.40	-37.00	-14.40	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-52.05	-31.00	-21.05	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-52.10	-25.00	-27.10	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3615G	-51.95	-13.00	-38.95	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4575G	-51.60	-40.00	-11.60	MBW 1M	-

Band 40_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

2312.5MHz_QPSK_RB 1,#RB 24

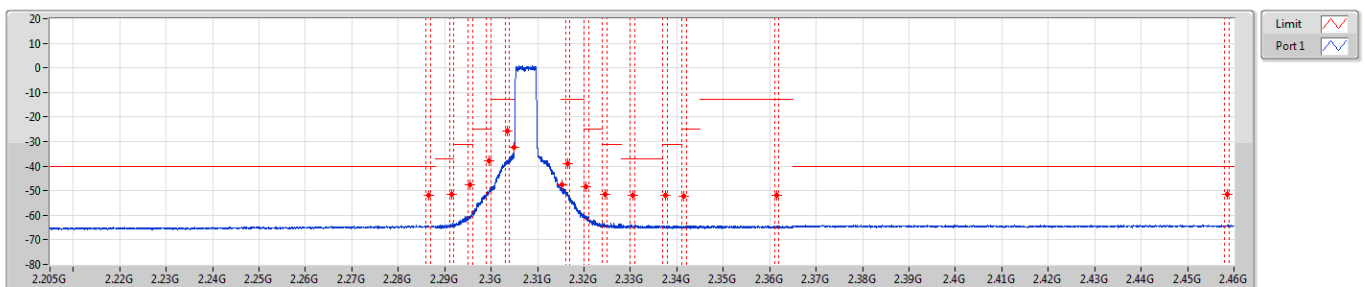


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2855G	-51.90	-40.00	-11.90	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2905G	-52.09	-37.00	-15.09	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-52.02	-31.00	-21.02	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-51.11	-25.00	-26.11	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-50.54	-13.00	-37.54	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30496G	-52.80	-13.00	-39.80	-	-
2.315G	2.316G	50k	200k	RMS	2.31501G	-20.45	-13.00	-7.45	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-32.70	-13.00	-19.70	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-43.76	-25.00	-18.76	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.17	-31.00	-20.17	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3315G	-51.59	-37.00	-14.59	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3395G	-51.99	-31.00	-20.99	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-52.06	-25.00	-27.06	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3505G	-51.90	-13.00	-38.90	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4595G	-51.55	-40.00	-11.55	MBW 1M	-

Band 40_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2307.5MHz_16QAM_RB 25,#RB 0



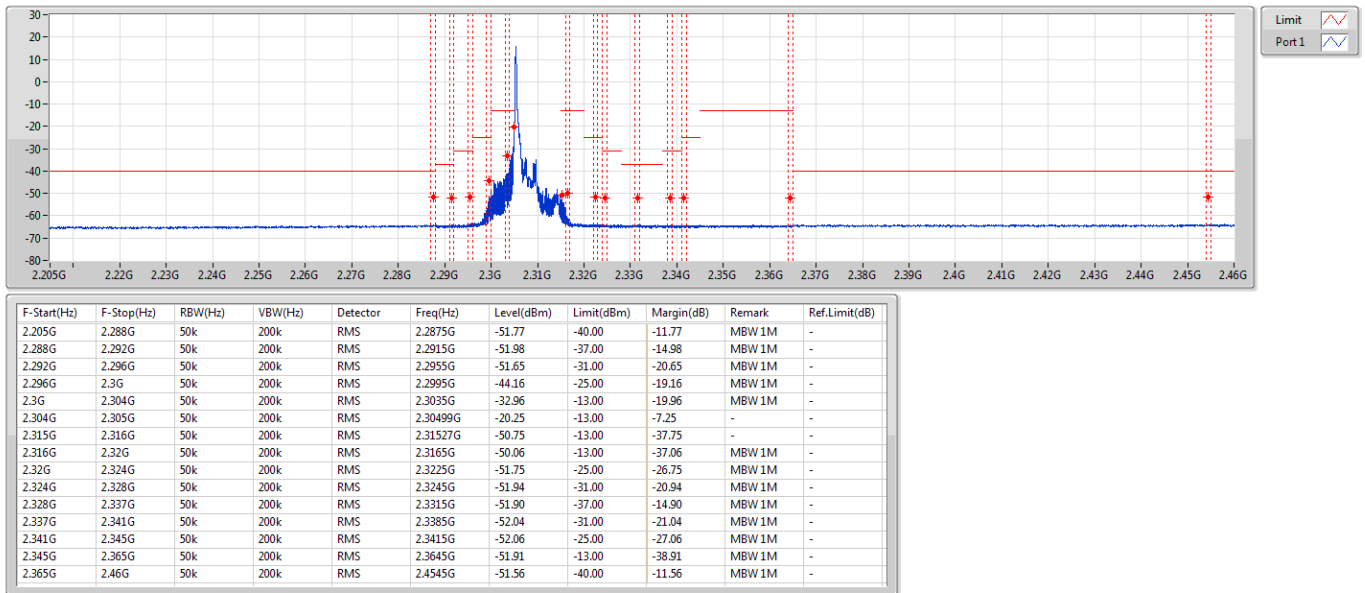
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2865G	-51.86	-40.00	-11.86	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-51.50	-37.00	-14.50	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-47.59	-31.00	-16.59	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-37.80	-25.00	-12.80	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-25.75	-13.00	-12.75	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-32.39	-13.00	-19.39	-	-
2.315G	2.316G	50k	200k	RMS	2.3153G	-47.65	-13.00	-34.65	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-39.07	-13.00	-26.07	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-48.46	-25.00	-23.46	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.54	-31.00	-20.54	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3305G	-51.92	-37.00	-14.92	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3375G	-52.06	-31.00	-21.06	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-52.09	-25.00	-27.09	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3615G	-51.97	-13.00	-38.97	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4585G	-51.58	-40.00	-11.58	MBW 1M	-



Band 40_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

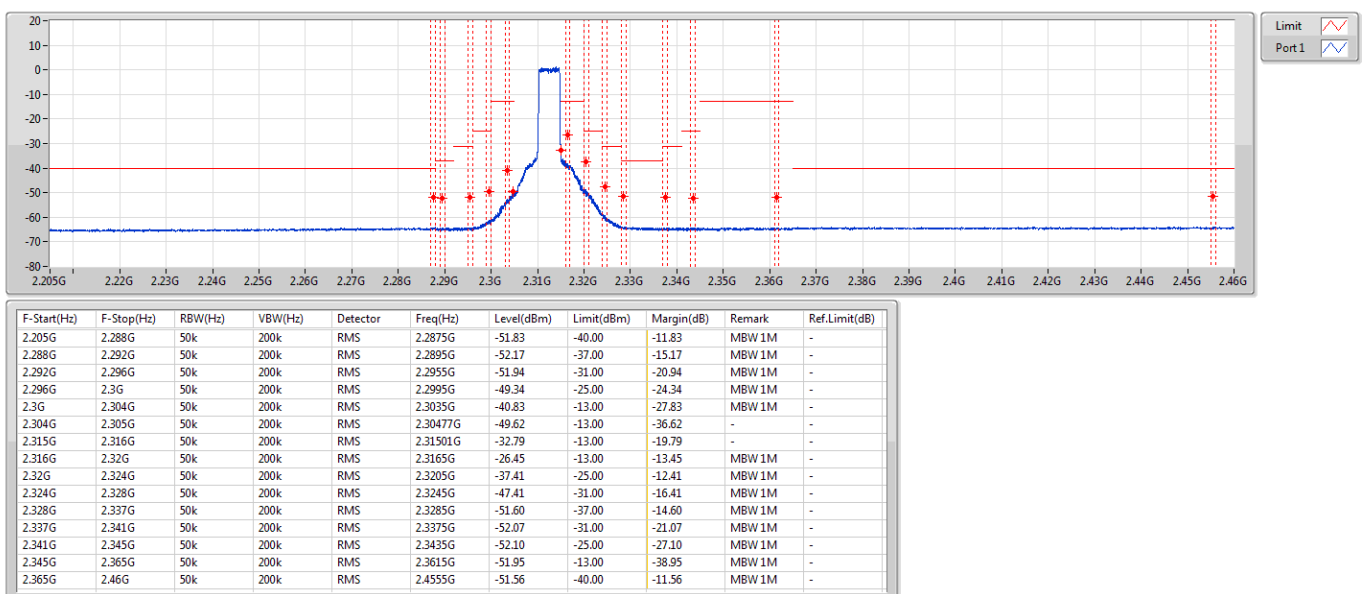
2307.5MHz_16QAM_RB 1,#RB 0



Band 40_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2312.5MHz_16QAM_RB 25,#RB 0

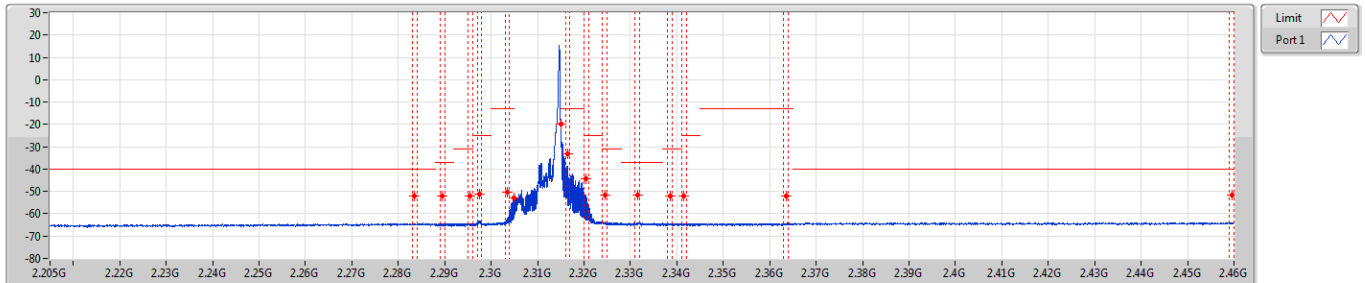




Band 40_LTE_5MHz_Nss1,16QAMCS_1TX

CSE-TX-Sum

2312.5MHz_16QAM_RB 1,#RB 24

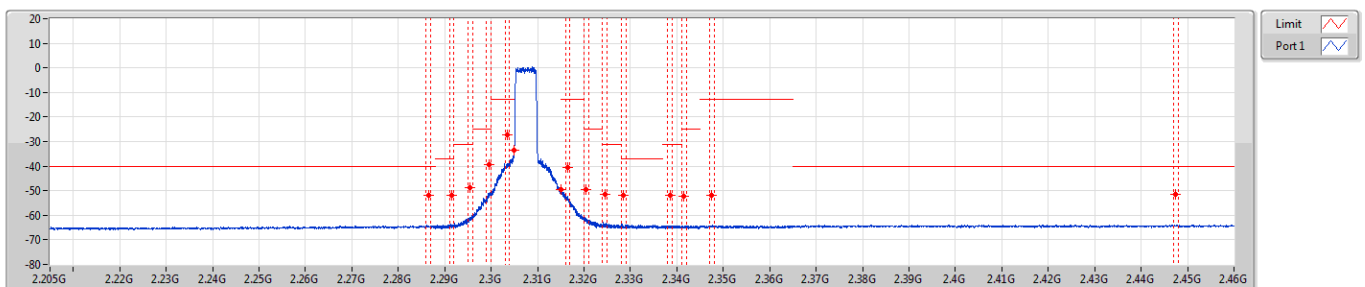


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2835G	-51.97	-40.00	-11.97	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2895G	-52.17	-37.00	-15.17	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-52.11	-31.00	-21.11	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-51.24	-25.00	-26.24	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-50.44	-13.00	-37.44	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30498G	-52.80	-13.00	-39.80	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-19.67	-13.00	-6.67	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-33.30	-13.00	-20.30	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-44.42	-25.00	-19.42	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.61	-31.00	-20.61	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3315G	-51.77	-37.00	-14.77	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-52.02	-31.00	-21.02	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-52.06	-25.00	-27.06	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3635G	-51.95	-13.00	-38.95	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4595G	-51.47	-40.00	-11.47	MBW 1M	-

Band 40_LTE_5MHz_Nss1,64QAMCS_1TX

CSE-TX-Sum

2307.5MHz_64QAM_RB 25,#RB 0



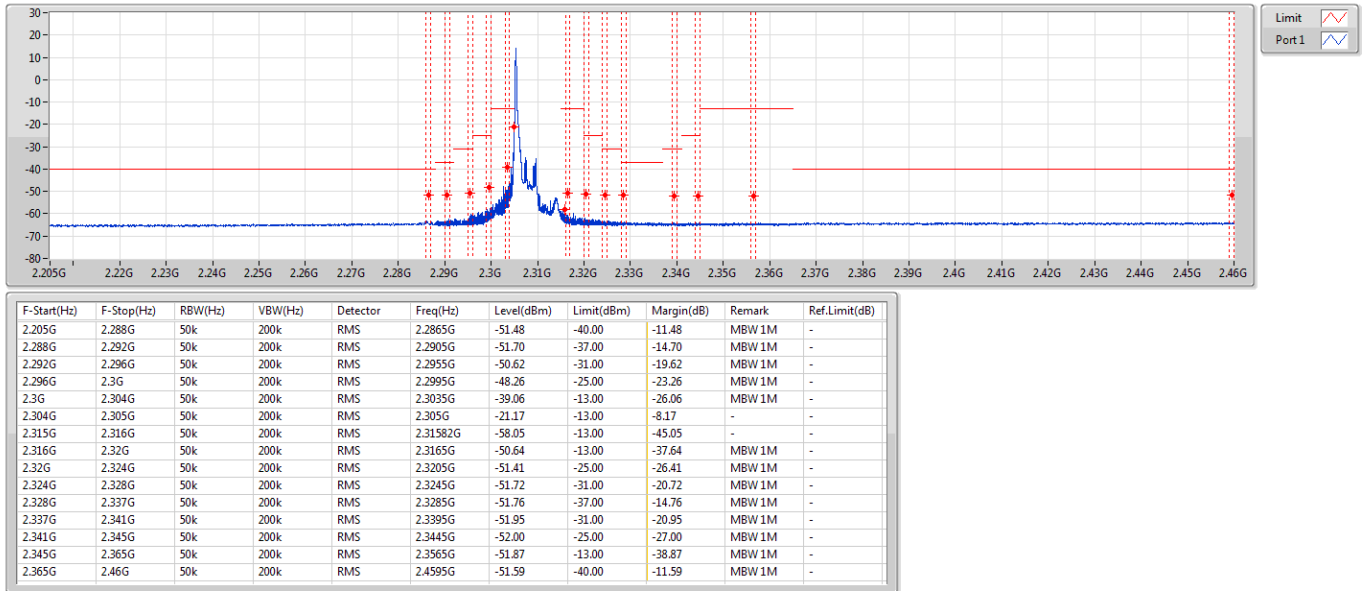
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
2.205G	2.288G	50k	200k	RMS	2.2865G	-51.83	-40.00	-11.83	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-51.79	-37.00	-14.79	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2955G	-48.69	-31.00	-17.69	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2995G	-39.19	-25.00	-14.19	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-27.15	-13.00	-14.15	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.305G	-33.38	-13.00	-20.38	-	-
2.315G	2.316G	50k	200k	RMS	2.3151G	-49.44	-13.00	-36.44	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-40.70	-13.00	-27.70	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-49.38	-25.00	-24.38	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.62	-31.00	-20.62	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3285G	-51.85	-37.00	-14.85	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3385G	-52.00	-31.00	-21.00	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3415G	-52.08	-25.00	-27.08	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3475G	-51.83	-13.00	-38.83	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4475G	-51.56	-40.00	-11.56	MBW 1M	-



Band 40_LTE_5MHz_Nss1,64QAMCS_1TX

CSE-TX-Sum

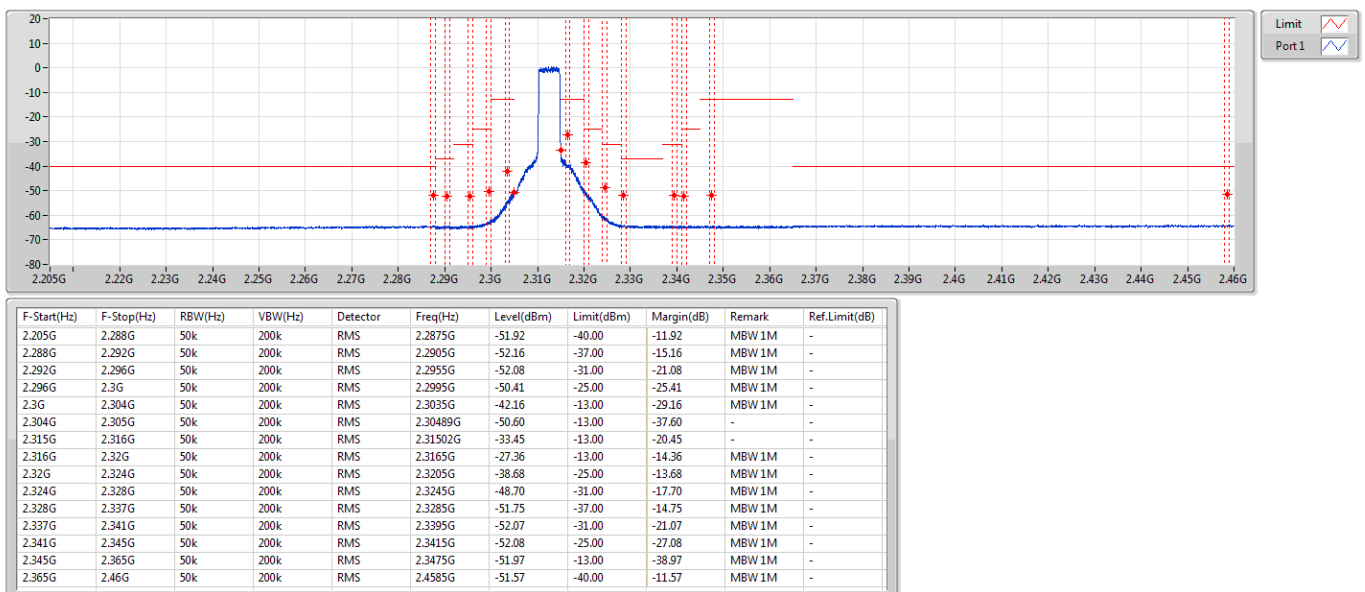
2307.5MHz_64QAM_RB 1,#RB 0



Band 40_LTE_5MHz_Nss1,64QAMCS_1TX

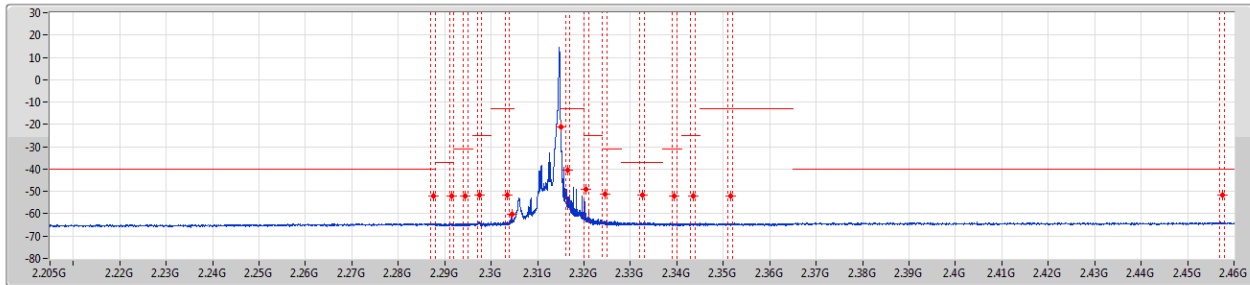
CSE-TX-Sum

2312.5MHz_64QAM_RB 25,#RB 0



Band 40_LTE_5MHz_Nss1,64QAMCS_1TX
2312.5MHz_64QAM_RB 1,#RB 24

CSE-TX-Sum



Limit
Port1

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	50k	200k	RMS	2.2875G	-51.92	-40.00	-11.92	MBW 1M	-
2.288G	2.292G	50k	200k	RMS	2.2915G	-52.19	-37.00	-15.19	MBW 1M	-
2.292G	2.296G	50k	200k	RMS	2.2945G	-52.08	-31.00	-21.08	MBW 1M	-
2.296G	2.3G	50k	200k	RMS	2.2975G	-51.65	-25.00	-26.65	MBW 1M	-
2.3G	2.304G	50k	200k	RMS	2.3035G	-51.60	-13.00	-38.60	MBW 1M	-
2.304G	2.305G	50k	200k	RMS	2.30446G	-60.15	-13.00	-47.15	-	-
2.315G	2.316G	50k	200k	RMS	2.315G	-21.32	-13.00	-8.32	-	-
2.316G	2.32G	50k	200k	RMS	2.3165G	-40.58	-13.00	-27.58	MBW 1M	-
2.32G	2.324G	50k	200k	RMS	2.3205G	-49.27	-25.00	-24.27	MBW 1M	-
2.324G	2.328G	50k	200k	RMS	2.3245G	-51.40	-31.00	-20.40	MBW 1M	-
2.328G	2.337G	50k	200k	RMS	2.3325G	-51.81	-37.00	-14.81	MBW 1M	-
2.337G	2.341G	50k	200k	RMS	2.3395G	-52.08	-31.00	-21.08	MBW 1M	-
2.341G	2.345G	50k	200k	RMS	2.3435G	-52.03	-25.00	-27.03	MBW 1M	-
2.345G	2.365G	50k	200k	RMS	2.3515G	-51.99	-13.00	-38.99	MBW 1M	-
2.365G	2.46G	50k	200k	RMS	2.4575G	-51.55	-40.00	-11.55	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	9.55M	8.921M	8M92G7D	9.55M	8.921M
LTE_10MHz_Nss1,16QAM_1TX	9.563M	8.896M	8M90W7D	9.563M	8.896M
LTE_10MHz_Nss1,64QAM_1TX	9.563M	8.908M	8M91W7D	9.563M	8.908M
LTE_5MHz_Nss1,QPSK_1TX	4.856M	4.46M	4M46G7D	4.856M	4.46M
LTE_5MHz_Nss1,16QAM_1TX	4.85M	4.46M	4M46W7D	4.85M	4.46M
LTE_5MHz_Nss1,64QAM_1TX	4.856M	4.467M	4M47W7D	4.856M	4.467M

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

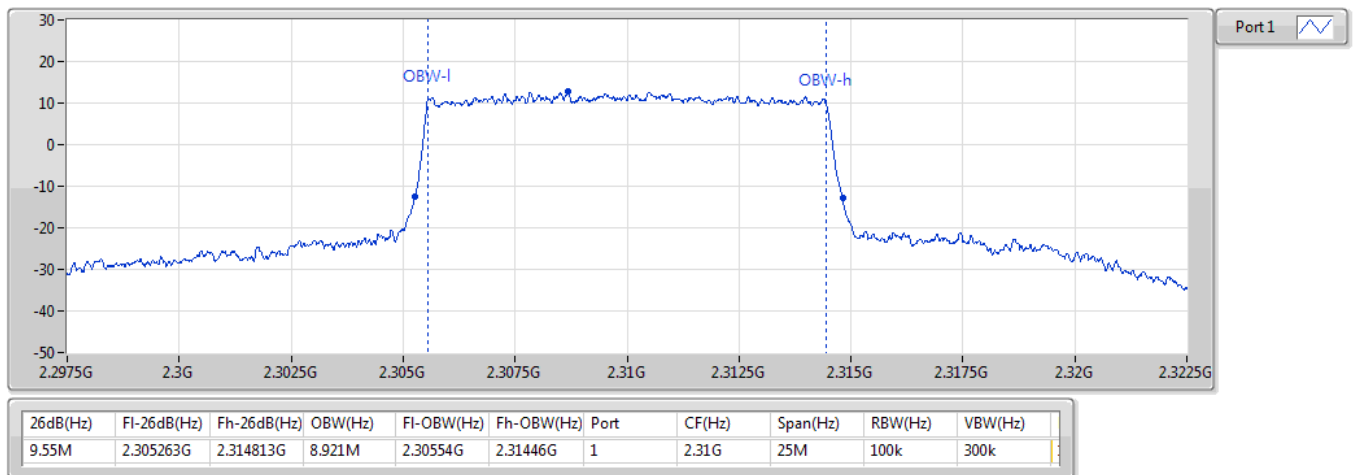
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 30_LTE_10MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	9.55M	8.921M	Inf
2310MHz_16QAM_RB 50,#RB 0	Pass	9.563M	8.896M	Inf
2310MHz_64QAM_RB 50,#RB 0	Pass	9.563M	8.908M	Inf
Band 30_LTE_5MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 25,#RB 0	Pass	4.856M	4.46M	Inf
2310MHz_16QAM_RB 25,#RB 0	Pass	4.85M	4.46M	Inf
2310MHz_64QAM_RB 25,#RB 0	Pass	4.856M	4.467M	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

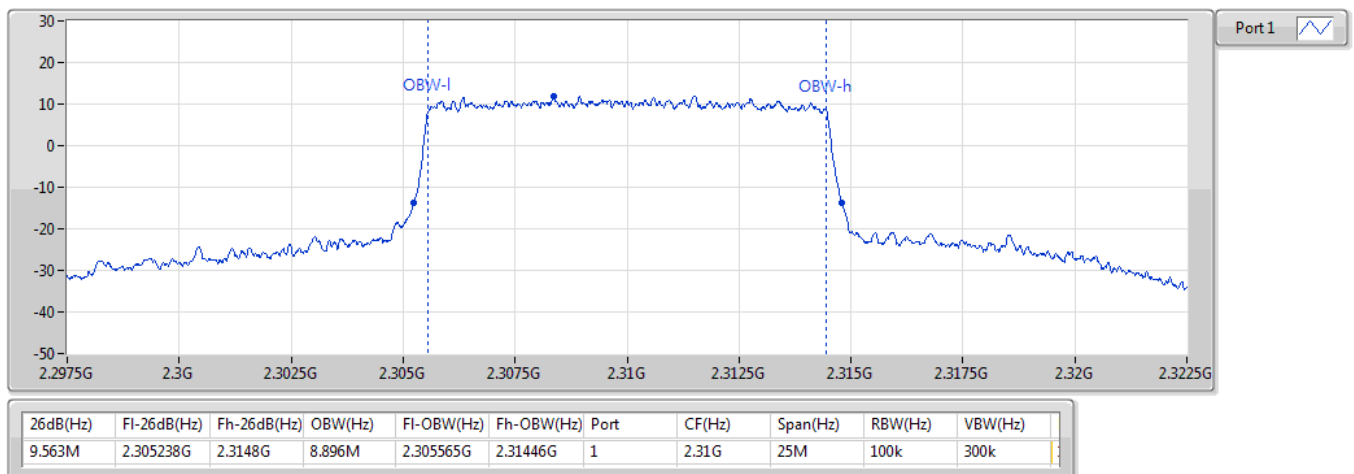
2310MHz_QPSK_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,16QAMCS_1TX

EBW

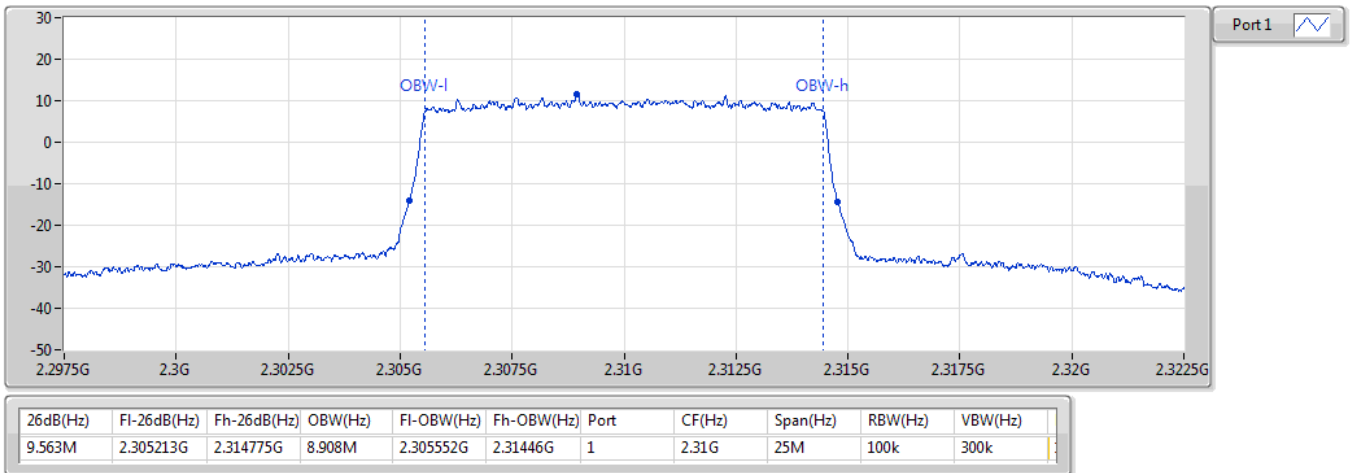
2310MHz_16QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,64QAMCS_1TX

EBW

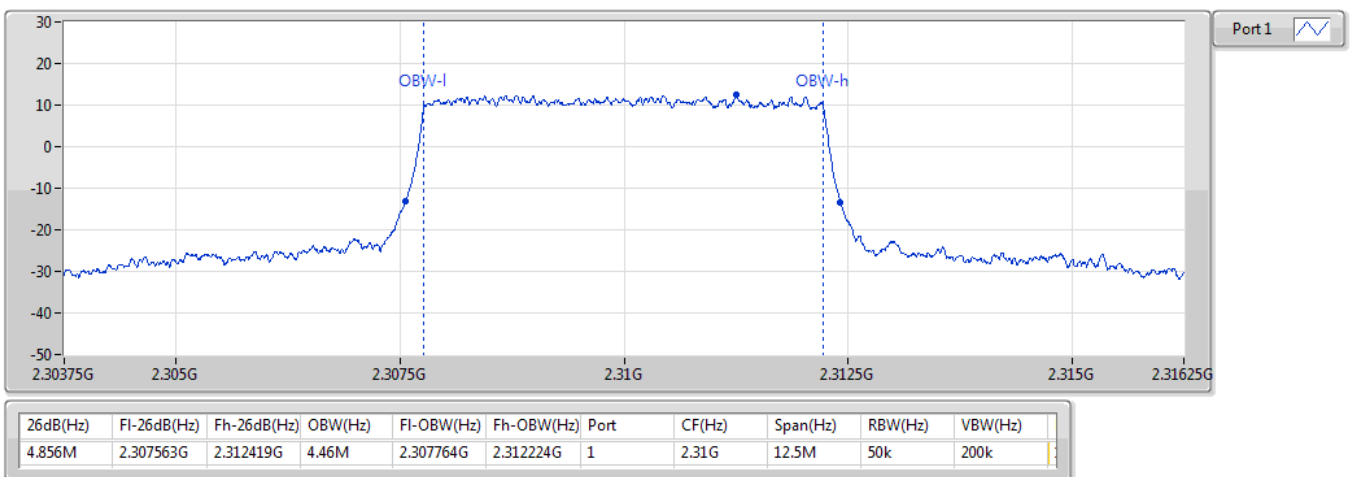
2310MHz_64QAM_RB 50,#RB 0



Band 30_LTE_5MHz_Nss1,QPSK_1TX

EBW

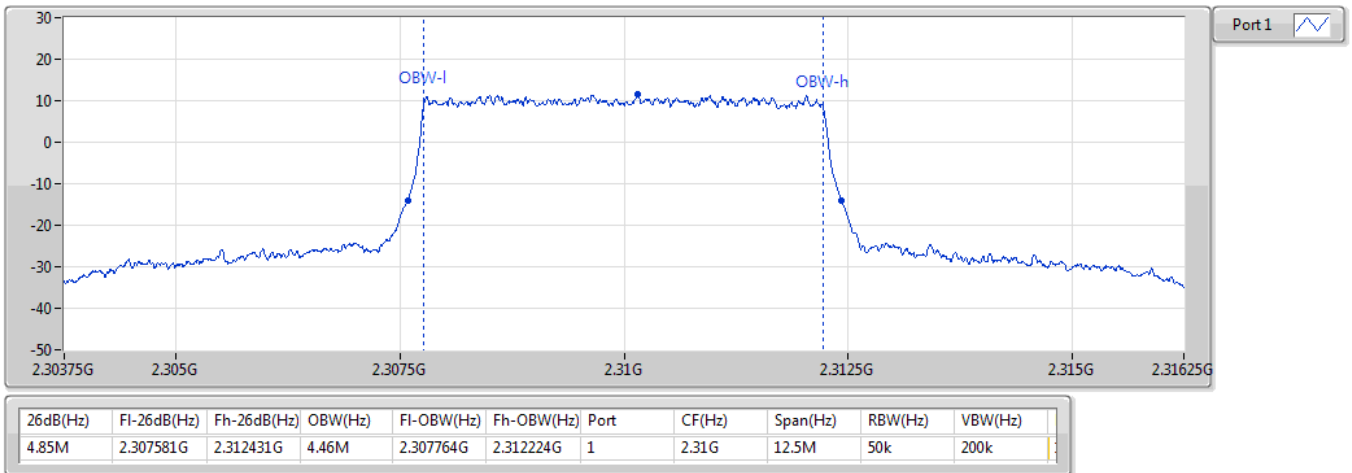
2310MHz_QPSK_RB 25,#RB 0



Band 30_LTE_5MHz_Nss1,16QAMCS_1TX

EBW

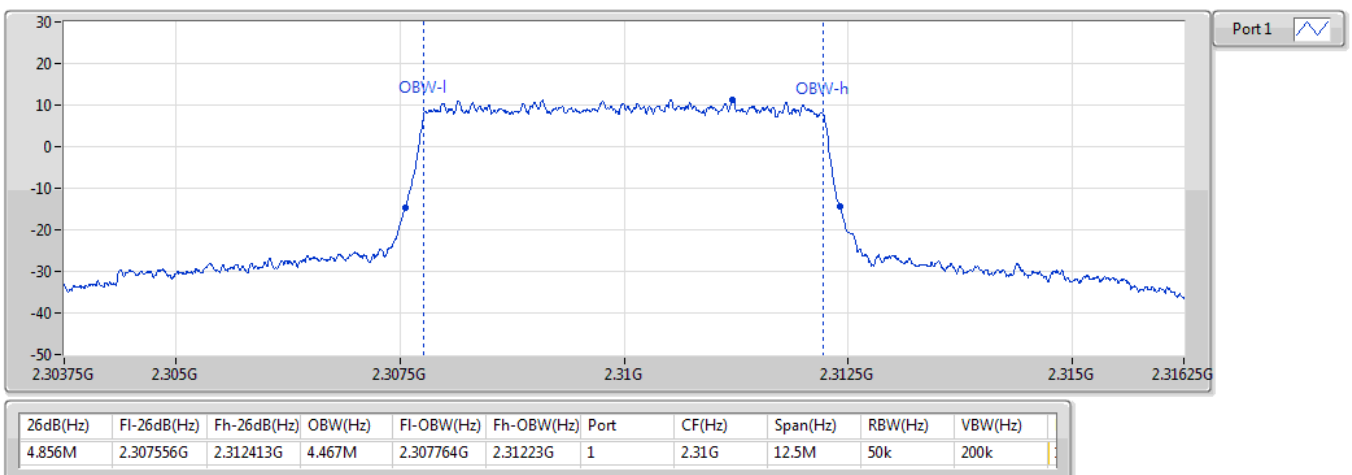
2310MHz_16QAM_RB 25,#RB 0



Band 30_LTE_5MHz_Nss1,64QAMCS_1TX

EBW

2310MHz_64QAM_RB 25,#RB 0



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 40	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	9.6M	8.946M	8M95G7D	9.6M	8.946M
LTE_10MHz_Nss1,16QAM_1TX	9.8M	8.933M	8M93W7D	9.8M	8.933M
LTE_10MHz_Nss1,64QAM_1TX	9.675M	8.933M	8M93W7D	9.675M	8.933M
LTE_5MHz_Nss1,QPSK_1TX	4.869M	4.467M	4M47G7D	4.869M	4.467M
LTE_5MHz_Nss1,16QAM_1TX	4.906M	4.467M	4M47W7D	4.906M	4.467M
LTE_5MHz_Nss1,64QAM_1TX	4.8M	4.454M	4M45W7D	4.8M	4.454M

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

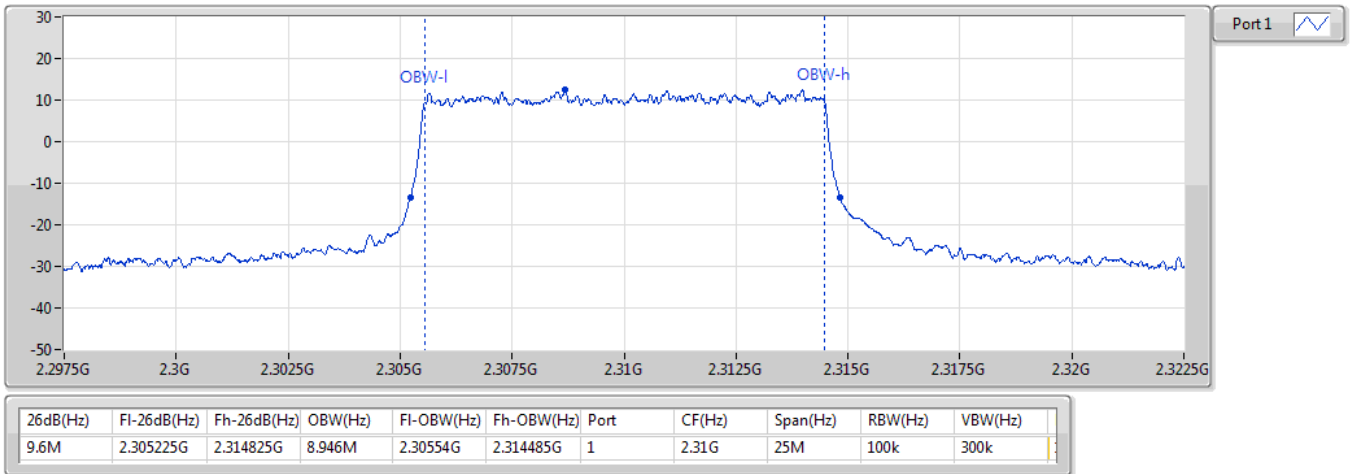
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)
Band 40_LTE_10MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 50,#RB 0	Pass	9.6M	8.946M	Inf
2310MHz_16QAM_RB 50,#RB 0	Pass	9.8M	8.933M	Inf
2310MHz_64QAM_RB 50,#RB 0	Pass	9.675M	8.933M	Inf
Band 40_LTE_5MHz_Nss1_1TX	-	-	-	-
2310MHz_QPSK_RB 25,#RB 0	Pass	4.869M	4.467M	Inf
2310MHz_16QAM_RB 25,#RB 0	Pass	4.906M	4.467M	Inf
2310MHz_64QAM_RB 25,#RB 0	Pass	4.8M	4.454M	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

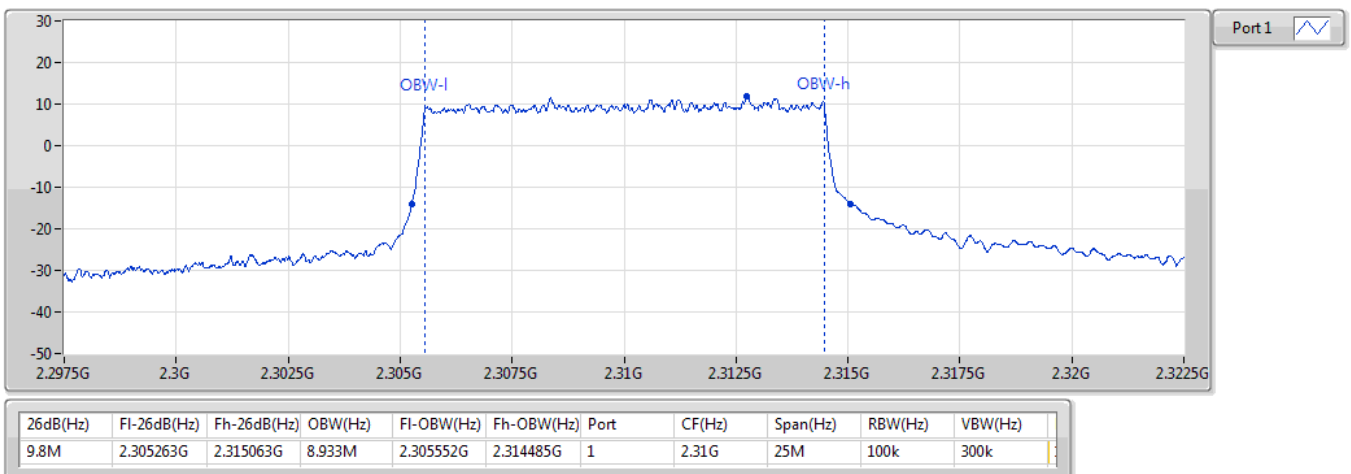
2310MHz_QPSK_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,16QAMCS_1TX

EBW

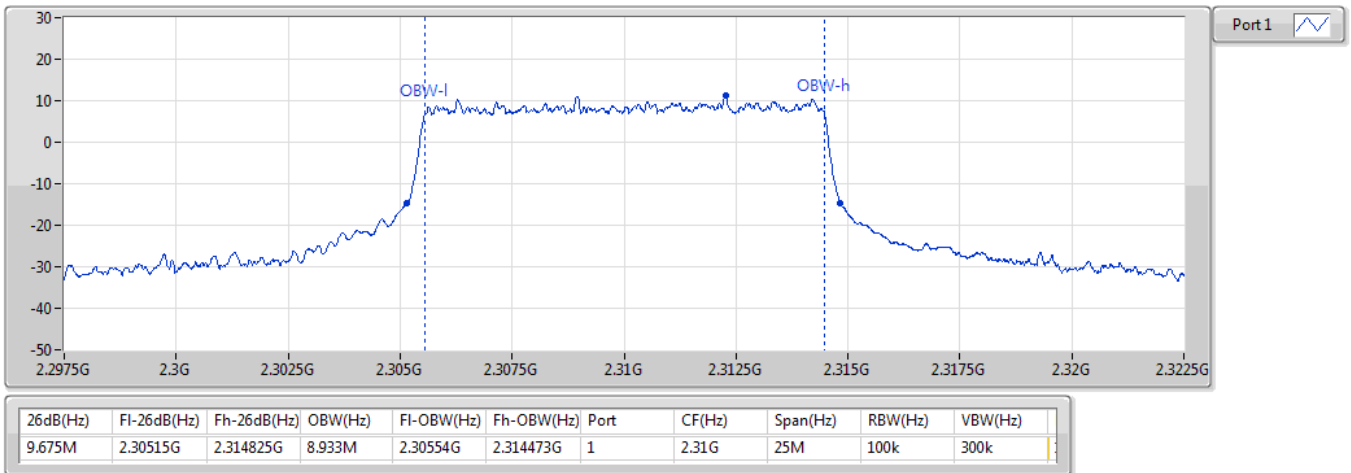
2310MHz_16QAM_RB 50,#RB 0



Band 40_LTE_10MHz_Nss1,64QAMCS_1TX

EBW

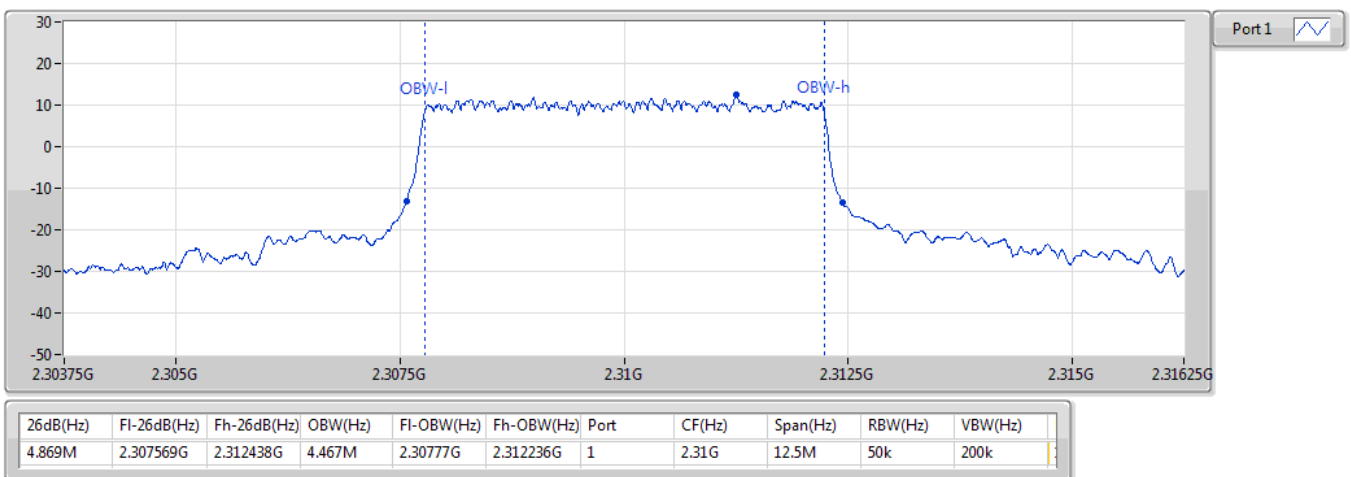
2310MHz_64QAM_RB 50,#RB 0



Band 40_LTE_5MHz_Nss1,QPSK_1TX

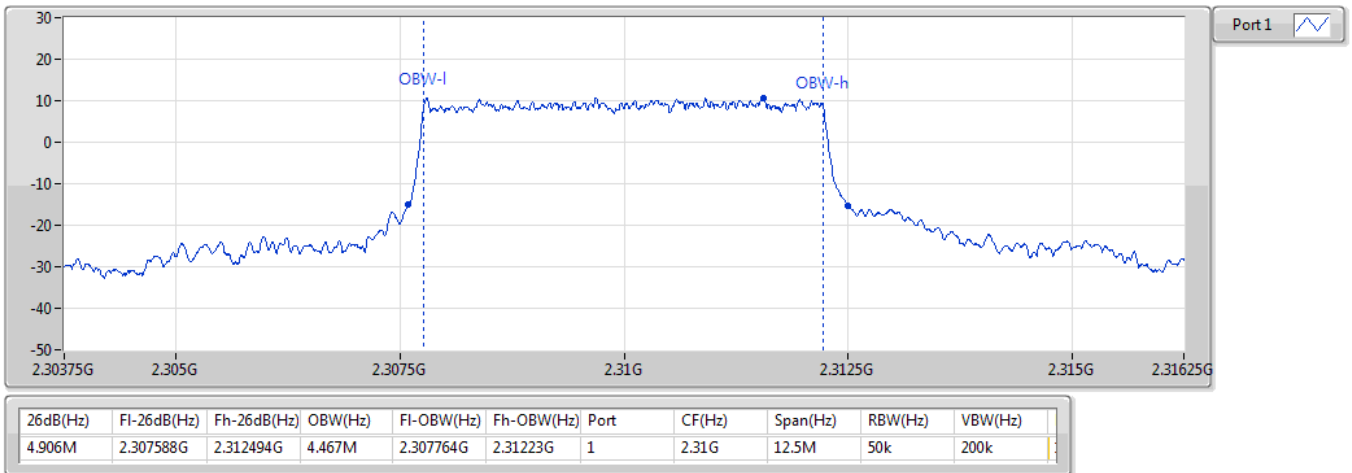
EBW

2310MHz_QPSK_RB 25,#RB 0



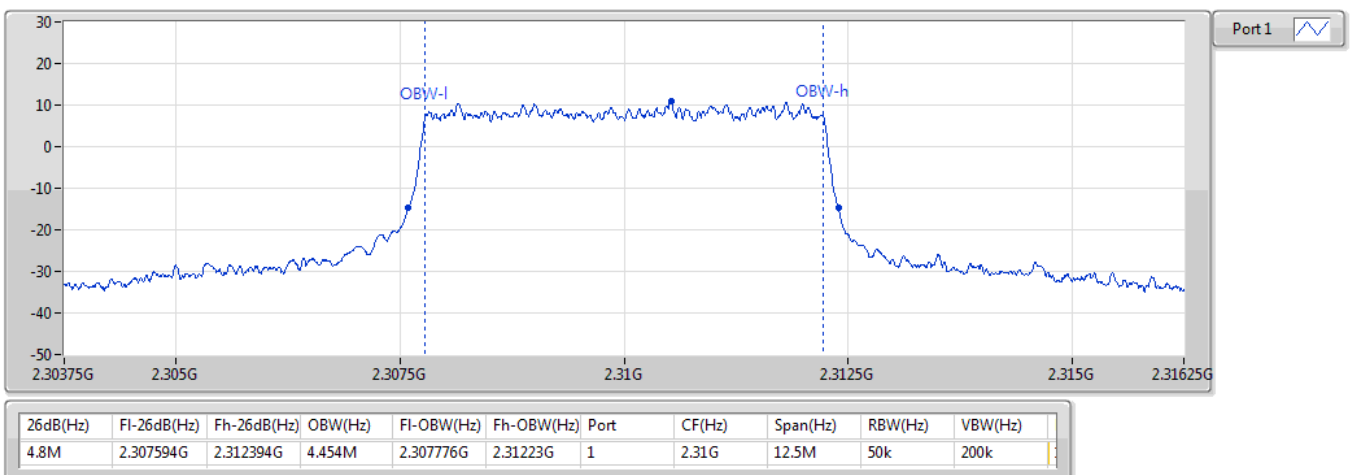
Band 40_LTE_5MHz_Nss1,16QAMCS_1TX
2310MHz_16QAM_RB 25,#RB 0

EBW



Band 40_LTE_5MHz_Nss1,64QAMCS_1TX
2310MHz_64QAM_RB 25,#RB 0

EBW



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 30	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	2310	13.00	4.64	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	2310	13.00	6.03	1
LTE_10MHz_Nss1,64QAM_1TX	Pass	2310	13.00	6.41	1

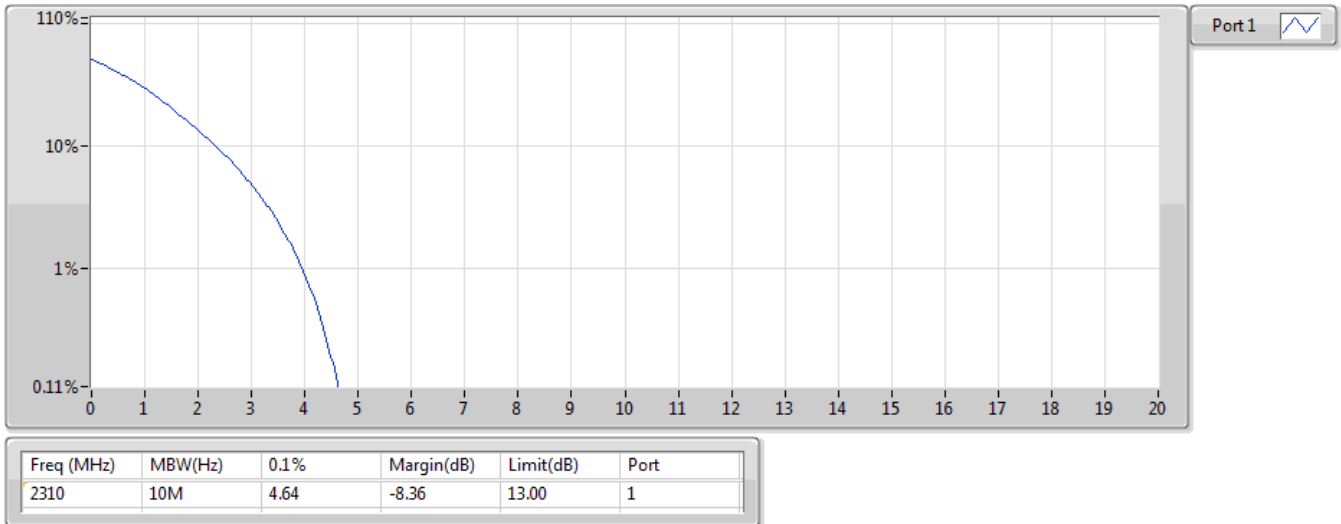
Result

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	4.64	1
2310MHz_16QAM_RB 50,#RB 0	Pass	2310	13.00	6.03	1
2310MHz_64QAM_RB 50,#RB 0	Pass	2310	13.00	6.41	1

Band 30_LTE_10MHz_Nss1,QPSK_1TX

PAPR

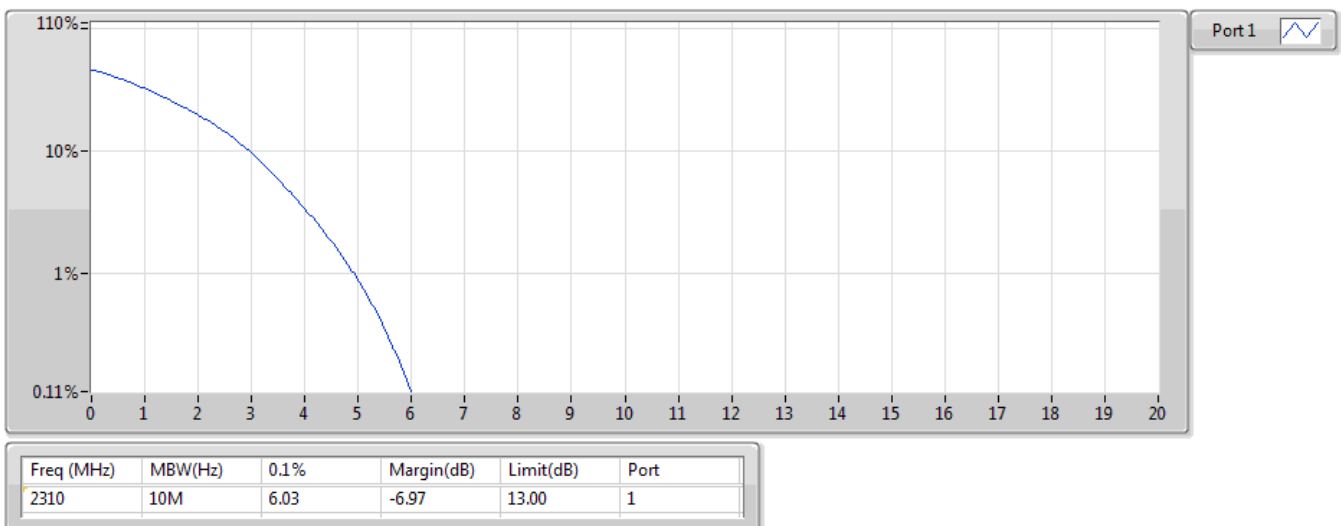
2310MHz_QPSK_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,16QAMCS_1TX

PAPR

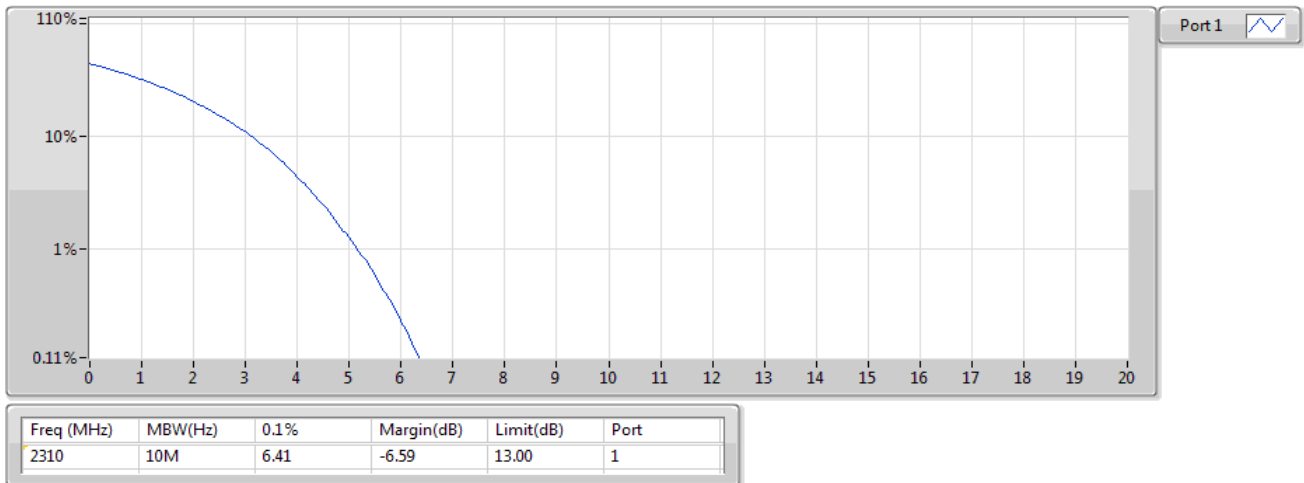
2310MHz_16QAM_RB 50,#RB 0



Band 30_LTE_10MHz_Nss1,64QAMCS_1TX

PAPR

2310MHz_64QAM_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	5.78	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	2310	13.00	6.37	1
LTE_10MHz_Nss1,64QAM_1TX	Pass	2310	13.00	6.54	1

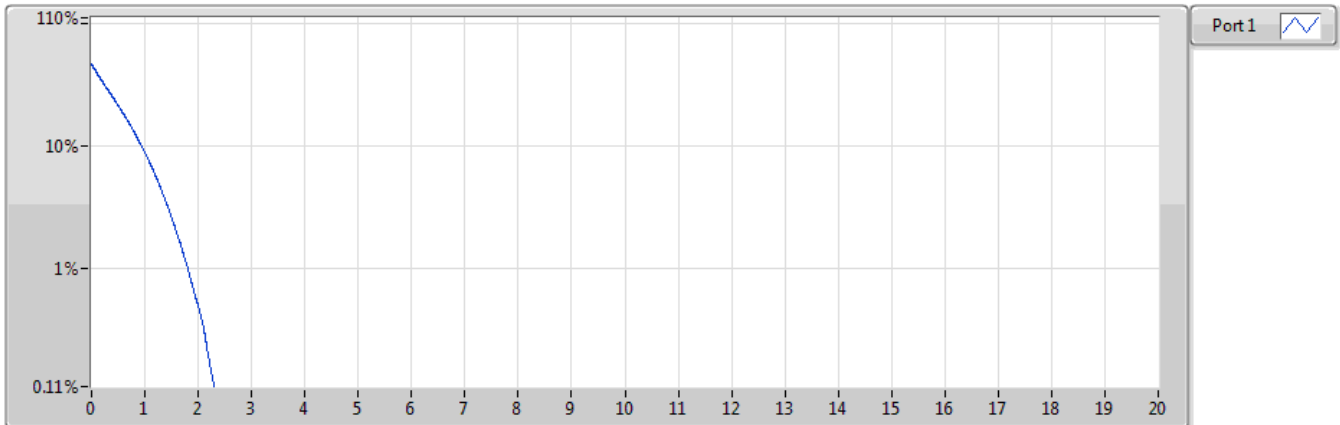
Result

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	5.78	1
2310MHz_16QAM_RB 50,#RB 0	Pass	2310	13.00	6.37	1
2310MHz_64QAM_RB 50,#RB 0	Pass	2310	13.00	6.54	1

Band 40_LTE_10MHz_Nss1,QPSK_1TX

PAPR

2310MHz_QPSK_RB 50,#RB 0

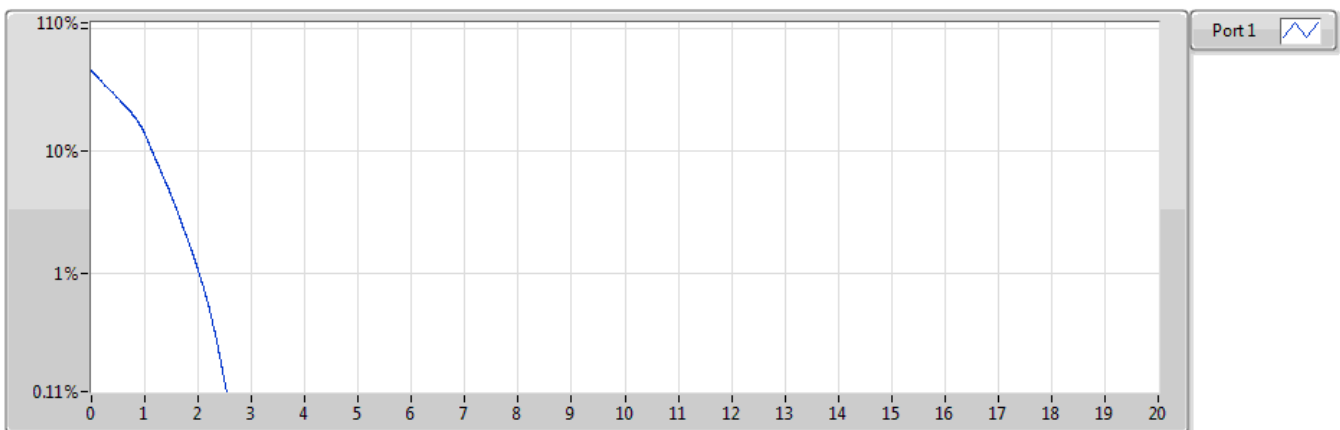


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	5.78	-7.22	13.00	1

Band 40_LTE_10MHz_Nss1,16QAMCS_1TX

PAPR

2310MHz_16QAM_RB 50,#RB 0

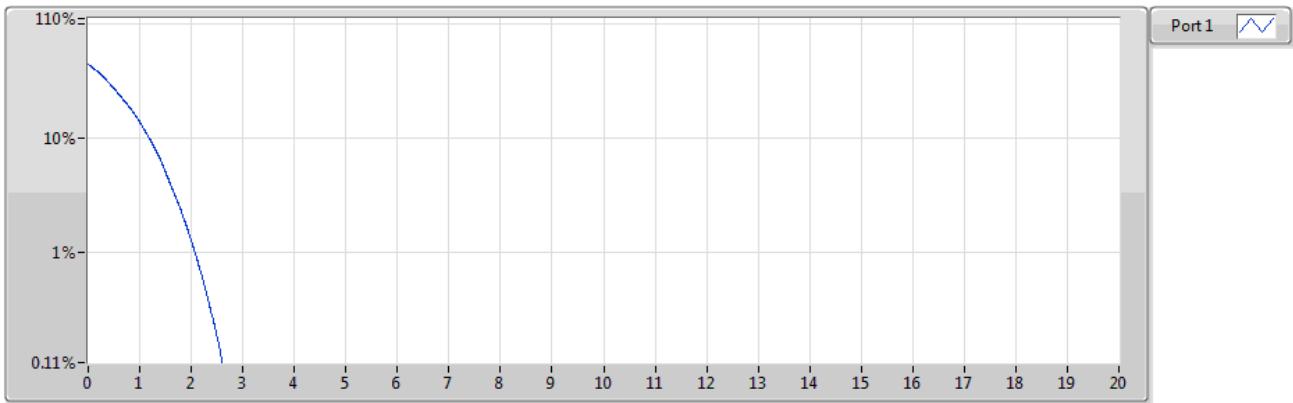


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	6.37	-6.63	13.00	1

Band 40_LTE_10MHz_Nss1,64QAMCS_1TX

PAPR

2310MHz_64QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
2310	10M	6.54	-6.46	13.00	1

Ref. Freq:	2310MHz	
Test Conditions	LTE Band 30(QPSK) / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit
		Result ^{Note 1}
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	0.02	
T10°C Vnom	0.01	
T0°C Vnom	0.01	
T-10°C Vnom	0.03	
T-20°C Vnom	0.02	
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
		Result ^{Note 1}
T20°CVmax	0.01	PASS
T20°CVmin	0.02	
T70°CVnom	0.03	
T60°CVnom	0.02	
T50°CVnom	0.02	
T40°CVnom	0.02	
T30°CVnom	0.03	
T20°CVnom	0.02	
T10°CVnom	0.01	
T0°CVnom	0.02	
T-10°CVnom	0.02	
T-20°CVnom	0.01	
T-30°CVnom	0.02	

Note:

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