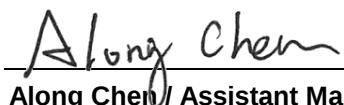


FCC Test Report

FCC ID : RF41539B
Equipment : Handheld Terminal
Model No. : DX-A600
Brand Name : KEYENCE
Applicant : KEYENCE CORPORATION
Address : 1-3-14 HIGASHI-NAKAJIMA, HIGASHI-YODOGAWA-KU, OSAKA, JAPAN
Standard : 47 CFR FCC Part 22 Subpart H
Received Date : Jun. 21, 2021
Tested Date : Jul. 23 ~ Aug. 11, 2021

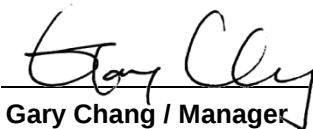
We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the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

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	The Equipment List	9
1.5	Test Standards	10
1.6	Reference Guidance	10
1.7	Deviation from Test Standard and Measurement Procedure.....	10
1.8	Measurement Uncertainty	10
2	TEST CONFIGURATION	11
2.1	Testing Condition	11
2.2	Testing Facility.....	11
2.3	The Worst Test Modes and Channel Details	11
3	TEST RESULTS.....	13
3.1	Effective Radiated Power	13
3.2	Radiated Emissions.....	14
3.3	Conducted Emissions & Band Edge	16
3.4	Occupied and 26dB Bandwidth	17
3.5	Peak to Average Ratio	18
3.6	Frequency Stability.....	19
4	TEST LABORATORY INFORMATION	20

APPENDIX A, G TEST RESULTS FOR EFFECTIVE RADIATED POWER

APPENDIX B, H TEST RESULTS FOR RADIATED EMISSIONS

APPENDIX C.1, I.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.2, I.2 TEST RESULTS FOR BAND EDGE

APPENDIX D, J TEST RESULTS FOR OCCUPIED AND 26dB BANDWIDTH

APPENDIX E, K TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F, L TEST RESULTS FOR FREQUENCY STABILITY

Release Record

Report No.	Version	Description	Issued Date
FG162104P22	Rev. 01	Initial issue	Nov. 16, 2021

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 22.913(a)(5)	Effective Radiated Power	Power[dBm] : WCDMA: 19.03 LTE: 18.57	Pass
2.1053 / 22.917(a)	Radiated Emissions	Meet the requirement of limit	Pass
2.1051 / 22.917(a)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 / 22.917(a)	Band Edge	Meet the requirement of limit	Pass
2.1049	Occupied Bandwidth	Meet the requirement of limit	Pass
-	Peak to Average Ratio	Meet the requirement of limit	Pass
2.1055 / 22.355	Frequency Stability	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 Specification of the Equipment under Test (EUT)

Operating Frequency	WCDMA Band V: 826.4 MHz ~ 846.6 MHz LTE Band 5: 824 MHz ~ 849 MHz
Modulation	WCDMA AMR / RMC / HSDPA / HSUPA: BPSK (Uplink) LTE: QPSK, 16QAM (Uplink)

1.1.2 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remark
1	PIFA	-2.38	No	---

1.1.3 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	3.8Vdc		
Operational Voltage	☒ Vnom (3.8 V)	☒ Vmax (3.99 V)	☒ Vmin (3.61 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (50°C)	☒ Tmin (-30°C)

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	Battery	Brand: KEYENCE Model: DX-BQ6 Rating: 3.8Vdc (23.02Wh) 6060mAh

1.1.5 Maximum ERP and Emission Designator

Mode	Maximum ERP (W)	Emission Designator
WCDMA_5MHz_Nss1_1TX	0.080	4M17F9W
LTE_1.4MHz_Nss1,QPSK_1TX	0.071	1M08G7D
LTE_1.4MHz_Nss1,16QAM_1TX	0.059	1M08W7D
LTE_3MHz_Nss1,QPSK_1TX	0.070	2M67G7D
LTE_3MHz_Nss1,16QAM_1TX	0.059	2M68W7D
LTE_5MHz_Nss1,QPSK_1TX	0.072	4M47G7D
LTE_5MHz_Nss1,16QAM_1TX	0.061	4M47W7D
LTE_10MHz_Nss1,QPSK_1TX	0.071	8M93G7D
LTE_10MHz_Nss1,16QAM_1TX	0.060	8M91W7D

1.1.6 Operating Channel List

WCDMA Band V		
Channel Location	Channel	Frequency (MHz)
Low	4132	826.4
Middle	4182	836.4
High	4233	846.6

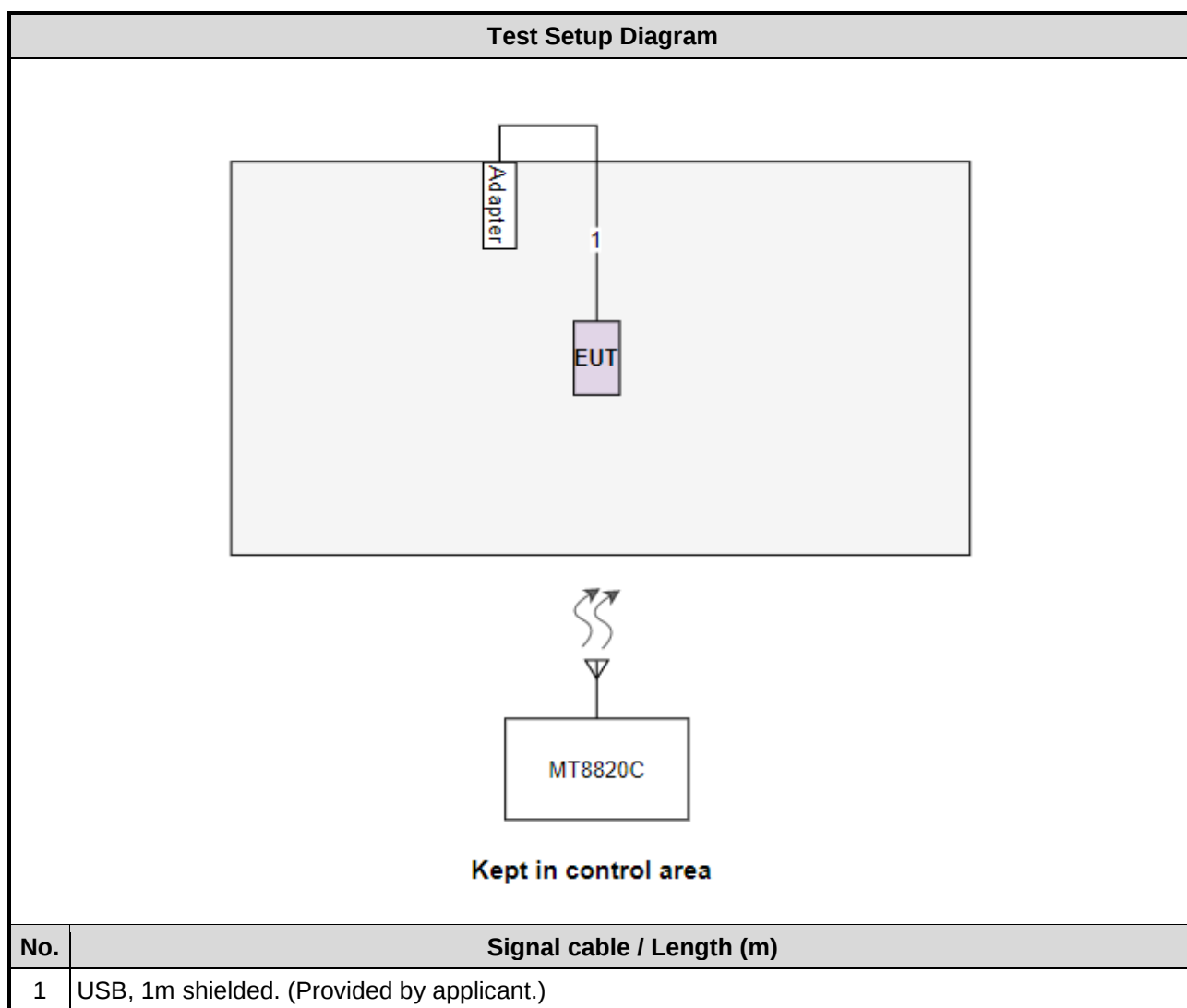
LTE Band 5		
Channel Bandwidths (MHz)	Channel	Frequency (MHz)
1.4	20407	824.7
1.4	20525	836.5
1.4	20643	848.3
3	20415	825.5
3	20525	836.5
3	20635	847.5
5	20425	826.5
5	20525	836.5
5	20625	846.5
10	20450	829.0
10	20525	836.5
10	20600	844.0

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Adapter	PHIHONG	PSA10F-050Q	---	Provided by applicant. Input: 100-240V~ 50/60Hz, 0.35A Output: 5.0V=2.0A, 10.0W

Note: Adapter is used for charging only.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 10 ~ Aug. 11, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	May 26, 2021	May 25, 2022
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2020	Nov. 16, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 11, 2020	Dec. 10, 2021
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 06, 2020	Nov. 05, 2021
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 26, 2020	Sep. 25, 2021
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 06, 2020	Oct. 05, 2021
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 06, 2020	Oct. 05, 2021
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 06, 2020	Oct. 05, 2021
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 06, 2020	Oct. 05, 2021
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jul. 23 ~ Jul. 27, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	Keysight	N9010A	MY54510374	Aug. 19, 2020	Aug. 18, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 09, 2020	Nov. 08, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GTH-150-40-CP-AR-T	MAA1407-012	Sep. 10, 2020	Sep. 09, 2021
Measurement Software	Sporton	SENSE-FCC_2G-4G	V5.10.5.4	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 22 Subpart H
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

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	23-25°C / 62-67%	Akun Chung Roger Lu
RF Conducted	TH01-WS	25°C / 66%	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

WCDMA Band V		
Test item	Mode	Test channel
Effective Radiated Power	WCDMA Band V	4132, 4182, 4233
Radiated Emissions ≤ 1GHz	WCDMA Band V	4233
Radiated Emissions > 1GHz	WCDMA Band V	4132, 4182, 4233
Conducted Emissions	WCDMA Band V	4132, 4182, 4233
Band Edge	WCDMA Band V	4132, 4233
Occupied Bandwidth	WCDMA Band V	4132, 4182, 4233
Peak to average ratio	WCDMA Band V	4132, 4182, 4233
Frequency Stability	WCDMA Band V	4132, 4233
NOTE:		
1. 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.		

LTE Band 5			
Test item	Channel Bandwidths	Modulation	Test channel
Effective Radiated Power	1.4 MHz	QPSK / 16QAM	20407 / 20525 / 20643
Conducted Emissions	3 MHz	QPSK / 16QAM	20415 / 20525 / 20635
Occupied Bandwidth	5 MHz	QPSK / 16QAM	20425 / 20525 / 20625
Peak to Average Ratio	10 MHz	QPSK / 16QAM	20450 / 20525 / 20600
Radiated Emission $\leq$ 1GHz	1.4 MHz	QPSK	20643
	3 MHz	QPSK	20525
	5 MHz	QPSK	20425
	10 MHz	QPSK	20525
Radiated Emission $>$ 1GHz	1.4 MHz	QPSK	20407 / 20525 / 20643
	3 MHz	QPSK	20415 / 20525 / 20635
	5 MHz	QPSK	20425 / 20525 / 20625
	10 MHz	QPSK	20450 / 20525 / 20600
Band Edge	1.4 MHz	QPSK / 16QAM	20407 / 20643
	3 MHz	QPSK / 16QAM	20415 / 20635
	5 MHz	QPSK / 16QAM	20425 / 20625
	10 MHz	QPSK / 16QAM	20450 / 20600
Frequency Stability	1.4 MHz	QPSK	20407 / 20643
	3 MHz	QPSK	20415 / 20635
	5 MHz	QPSK	20425 / 20625
	10 MHz	QPSK	20450 / 20600
NOTE:			
1. 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 Effective Radiated Power

3.1.1 Limit of Effective Radiated Power

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

3.1.2 Test Procedures

For Conducted power measurement:

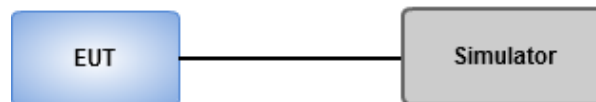
1. The EUT links up with simulator and is set to maximum output power level at low / middel / high channel.
2. Measure the output power of low / middle / high channel of the EUT.

For ERP 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. $ERP = EIRP - 2.15 \text{ dB}$.

3.1.3 Test Setup



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

Refer to Appendix A, G.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

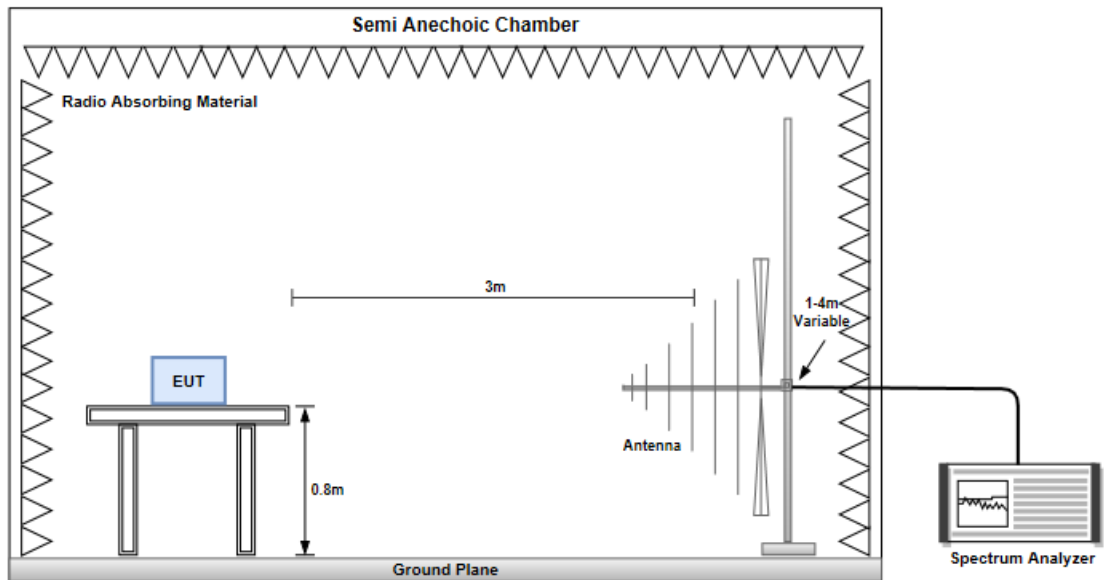
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.2.2 Test Procedures

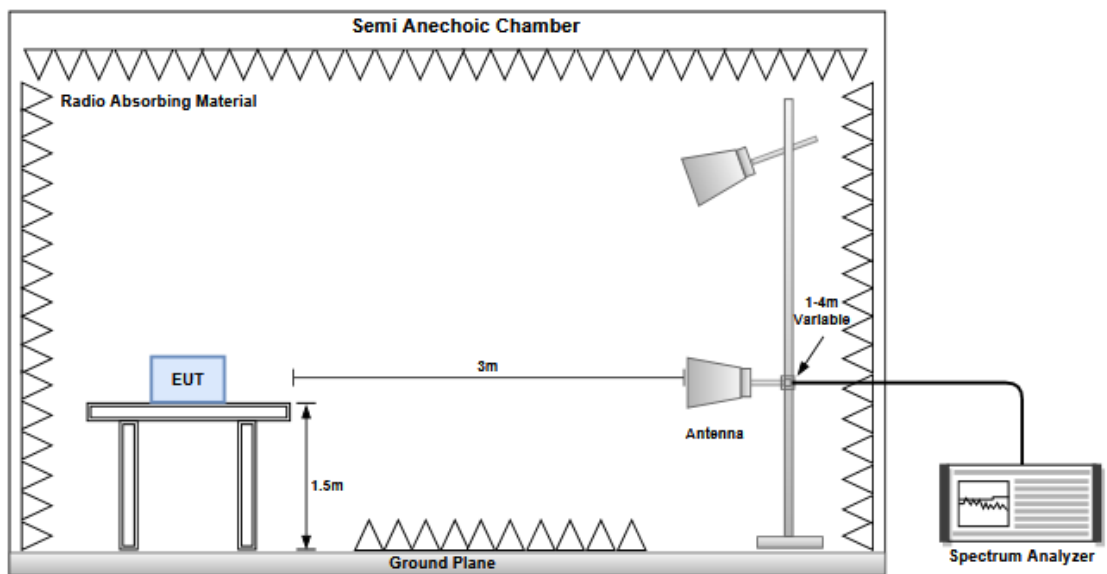
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Refer to Appendix B, H.

3.3 Conducted Emissions & Band Edge

3.3.1 Limit of Conducted Emissions & Band Edge

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.3.2 Test Procedures

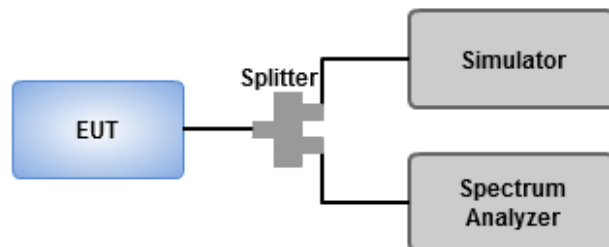
Out of band emission

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 = 1 MHz, VBW = 3 MHz, 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.

3.3.3 Test Setup



3.3.4 Test Result of Conducted Emissions & Band Edge

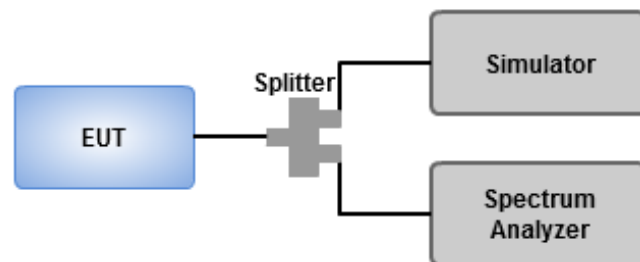
Refer to Appendix C.1, C.2, I.1, I.2.

3.4 Occupied 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 26dB Bandwidth

Refer to Appendix D, J.

3.5 Peak to Average Ratio

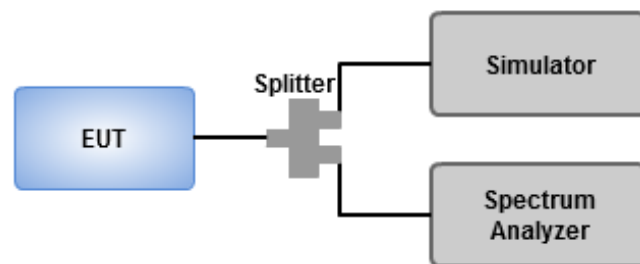
3.5.1 Limit of Peak to Average Ratio

Peak-to-average ratio (PAR) 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 Ratio

Refer to Appendix E, K.

3.6 Frequency Stability

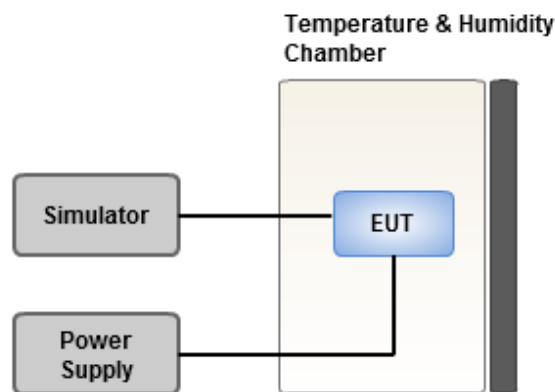
3.6.1 Limit of Frequency Stability

The frequency stability shall be less +/- 2.5ppm.

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. Tem 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 F, L.

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 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: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 5	-	-	-	-
WCDMA AMR_5MHz_Nss1_1TX	23.54	0.226	19.01	0.07962
WCDMA RMC_5MHz_Nss1_1TX	23.56	0.227	19.03	0.07998
WCDMA HSDPA Subtest-1_5MHz_Nss1_1TX	22.47	0.177	17.94	0.06223
WCDMA HSDPA Subtest-2_5MHz_Nss1_1TX	22.45	0.176	17.92	0.06194
WCDMA HSDPA Subtest-3_5MHz_Nss1_1TX	22.44	0.175	17.91	0.06180
WCDMA HSDPA Subtest-4_5MHz_Nss1_1TX	22.45	0.176	17.92	0.06194
WCDMA HSUPA Subtest-1_5MHz_Nss1_1TX	22.45	0.176	17.92	0.06194
WCDMA HSUPA Subtest-2_5MHz_Nss1_1TX	22.41	0.174	17.88	0.06138
WCDMA HSUPA Subtest-3_5MHz_Nss1_1TX	21.48	0.141	16.95	0.04955
WCDMA HSUPA Subtest-4_5MHz_Nss1_1TX	22.41	0.174	17.88	0.06138
WCDMA HSUPA Subtest-5_5MHz_Nss1_1TX	21.46	0.140	16.93	0.04932
WCDMA HSPA+(16QAM) Subtest-1_5MHz_Nss1_1TX	22.25	0.168	17.72	0.05916



Equivalent Isotropically Radiated Power

Appendix A

Result

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 5_WCDMAAMR_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	21.03	18.88	0.07727	7	23.41	0.219	Inf	23.41
836.4MHz	Pass	-2.38	21.14	18.99	0.07925	7	23.52	0.225	Inf	23.52
846.6MHz	Pass	-2.38	21.16	19.01	0.07962	7	23.54	0.226	Inf	23.54
Band 5_WCDMA RMC_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	21.05	18.90	0.07762	7	23.43	0.220	Inf	23.43
836.4MHz	Pass	-2.38	21.15	19.00	0.07943	7	23.53	0.225	Inf	23.53
846.6MHz	Pass	-2.38	21.18	19.03	0.07998	7	23.56	0.227	Inf	23.56
Band 5_WCDMA HSDPA Subtest-1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.98	17.83	0.06067	7	22.36	0.172	Inf	22.36
836.4MHz	Pass	-2.38	20.09	17.94	0.06223	7	22.47	0.177	Inf	22.47
846.6MHz	Pass	-2.38	20.05	17.90	0.06166	7	22.43	0.175	Inf	22.43
Band 5_WCDMA HSDPA Subtest-2_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.97	17.82	0.06053	7	22.35	0.172	Inf	22.35
836.4MHz	Pass	-2.38	20.07	17.92	0.06194	7	22.45	0.176	Inf	22.45
846.6MHz	Pass	-2.38	20.04	17.89	0.06152	7	22.42	0.175	Inf	22.42
Band 5_WCDMA HSDPA Subtest-3_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.99	17.84	0.06081	7	22.37	0.173	Inf	22.37
836.4MHz	Pass	-2.38	20.06	17.91	0.06180	7	22.44	0.175	Inf	22.44
846.6MHz	Pass	-2.38	20.03	17.88	0.06138	7	22.41	0.174	Inf	22.41
Band 5_WCDMA HSDPA Subtest-4_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.98	17.83	0.06067	7	22.36	0.172	Inf	22.36
836.4MHz	Pass	-2.38	20.05	17.90	0.06166	7	22.43	0.175	Inf	22.43
846.6MHz	Pass	-2.38	20.07	17.92	0.06194	7	22.45	0.176	Inf	22.45
Band 5_WCDMA HSUPA Subtest-1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	20.00	17.85	0.06095	7	22.38	0.173	Inf	22.38
836.4MHz	Pass	-2.38	20.07	17.92	0.06194	7	22.45	0.176	Inf	22.45
846.6MHz	Pass	-2.38	19.99	17.84	0.06081	7	22.37	0.173	Inf	22.37
Band 5_WCDMA HSUPA Subtest-2_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.97	17.82	0.06053	7	22.35	0.172	Inf	22.35
836.4MHz	Pass	-2.38	20.03	17.88	0.06138	7	22.41	0.174	Inf	22.41
846.6MHz	Pass	-2.38	20.00	17.85	0.06095	7	22.38	0.173	Inf	22.38
Band 5_WCDMA HSUPA Subtest-3_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.00	16.85	0.04842	7	21.38	0.137	Inf	21.38
836.4MHz	Pass	-2.38	19.07	16.92	0.04920	7	21.45	0.140	Inf	21.45
846.6MHz	Pass	-2.38	19.10	16.95	0.04955	7	21.48	0.141	Inf	21.48
Band 5_WCDMA HSUPA Subtest-4_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.97	17.82	0.06053	7	22.35	0.172	Inf	22.35
836.4MHz	Pass	-2.38	19.98	17.83	0.06067	7	22.36	0.172	Inf	22.36
846.6MHz	Pass	-2.38	20.03	17.88	0.06138	7	22.41	0.174	Inf	22.41
Band 5_WCDMA HSUPA Subtest-5_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.02	16.87	0.04864	7	21.40	0.138	Inf	21.4
836.4MHz	Pass	-2.38	19.04	16.89	0.04887	7	21.42	0.139	Inf	21.42
846.6MHz	Pass	-2.38	19.08	16.93	0.04932	7	21.46	0.140	Inf	21.46



Equivalent Isotropically Radiated Power

Appendix A

Band 5_WCDMA HSPA+(16QAM) Subtest-1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.4MHz	Pass	-2.38	19.83	17.68	0.05861	7	22.21	0.166	Inf	22.21
836.4MHz	Pass	-2.38	19.87	17.72	0.05916	7	22.25	0.168	Inf	22.25
846.6MHz	Pass	-2.38	19.86	17.71	0.05902	7	22.24	0.167	Inf	22.24

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

Test Result of Radiated Emissions below 1GHz

Mode	Mode: 3G WCDMA RMC, Band:5, Channel:4233						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.26	H	-69.3	-13	-56.3	-71.67	-47.73	-19.42
66.95	H	-74.4	-13	-61.4	-70.2	-60.55	-11.7
199.25	H	-75.64	-13	-62.64	-69.41	-70.4	-3.09
273.47	H	-77.08	-13	-64.08	-74.22	-73.6	-1.33
330.7	H	-76.16	-13	-63.16	-74	-72.75	-1.26
467.47	H	-75.2	-13	-62.2	-76.24	-71.58	-1.47
30.46	V	-69.43	-13	-56.43	-65.27	-47.91	-19.37
962.26	V	-70.61	-13	-57.61	-68.7	-63.63	-4.83
181.26	V	-69.1	-13	-56.1	-68.89	-62.18	-4.77
187.14	V	-70.78	-13	-57.78	-69.71	-64.41	-4.22
263.77	V	-76.21	-13	-63.21	-73.71	-72.73	-1.33
436.43	V	-73.63	-13	-60.63	-75.74	-70.01	-1.47

NOTE: ERP = S.G power value + correction factor – 2.15

Test Result of Radiated Emissions above 1GHz

Mode	Mode: 3G WCDMA RMC, Band:5, Channel:4132						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1652.80	H	-48.88	-13	-35.88	-51.39	-51.83	5.1
2479.20	H	-45.91	-13	-32.91	-52.33	-49.06	5.3
6611.20	H	-46.19	-13	-33.19	-62.24	-48.18	4.14
1652.80	V	-43.6	-13	-30.6	-46.28	-46.55	5.1
2479.20	V	-49.81	-13	-36.81	-56.38	-52.96	5.3
6611.20	V	-43.44	-13	-30.44	-60.15	-45.43	4.14

Mode	Mode: 3G WCDMA RMC, Band:5, Channel:4182						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1672.80	H	-48.42	-13	-35.42	-51.04	-51.42	5.15
2509.20	H	-45.78	-13	-32.78	-52.28	-49.01	5.38
6691.20	H	-45.62	-13	-32.62	-61.98	-47.64	4.17
1672.80	V	-43.13	-13	-30.13	-45.87	-46.13	5.15
2509.20	V	-49.3	-13	-36.3	-55.85	-52.53	5.38
6691.20	V	-43.05	-13	-30.05	-59.74	-45.07	4.17

Mode	Mode: 3G WCDMA RMC, Band:5, Channel:4233						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1693.20	H	-48.84	-13	-35.84	-50.87	-51.88	5.19
2539.80	H	-45.78	-13	-32.78	-61.59	-49.09	5.46
6772.80	H	-45.7	-13	-32.7	-69.24	-47.74	4.19
1693.20	V	-43.47	-13	-30.47	-58.17	-46.51	5.19
2539.80	V	-49.87	-13	-36.87	-65.87	-53.18	5.46
6772.80	V	-43.62	-13	-30.62	-67.69	-45.66	4.19

NOTE: ERP = S.G power value + correction factor – 2.15



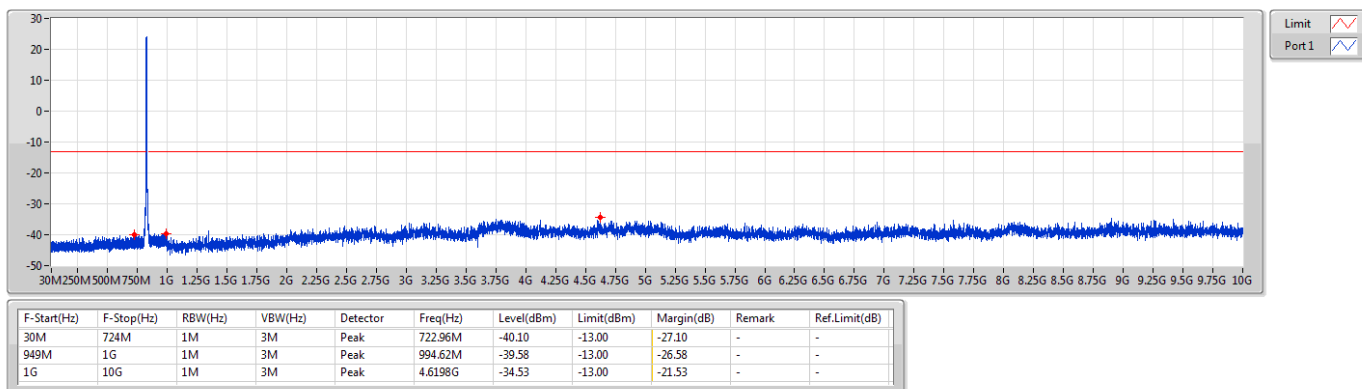
Summary

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 5	-	-	-	-	-	-	-	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	1G	10G	1M	3M	Peak	4.6198G	-34.53	-13.00	-21.53	-	-

Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

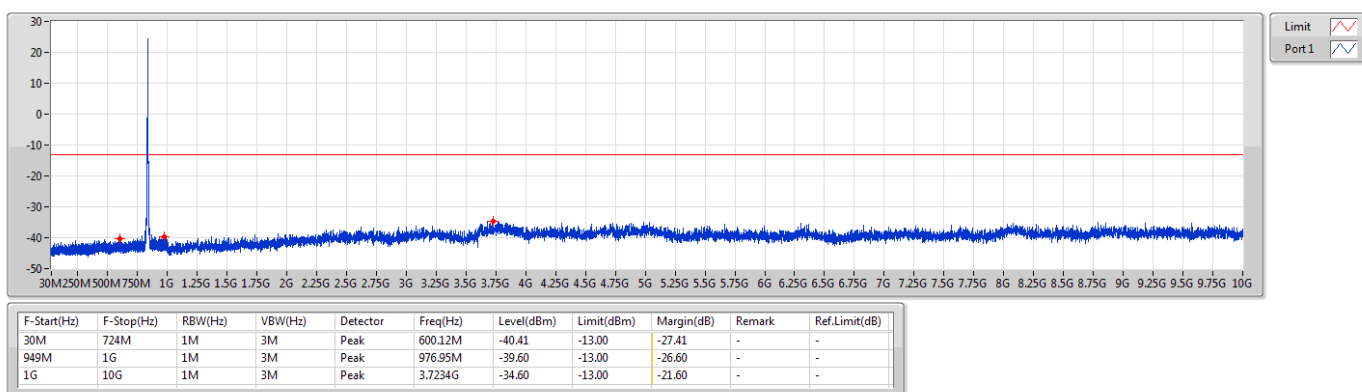
826.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

836.4MHz

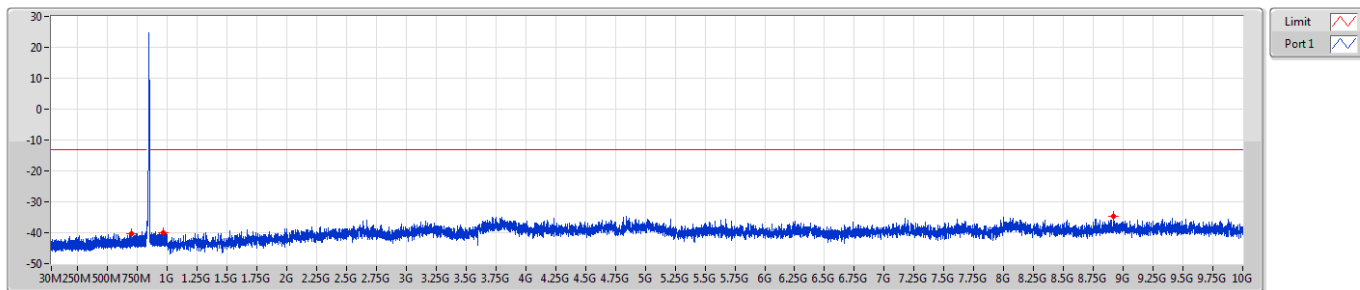




Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

846.6MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
30M	724M	1M	3M	Peak	700.23M	-40.25	-13.00	-27.25	-	-
949M	1G	1M	3M	Peak	965.19M	-39.93	-13.00	-26.93	-	-
1G	10G	1M	3M	Peak	8.9164G	-34.56	-13.00	-21.56	-	-

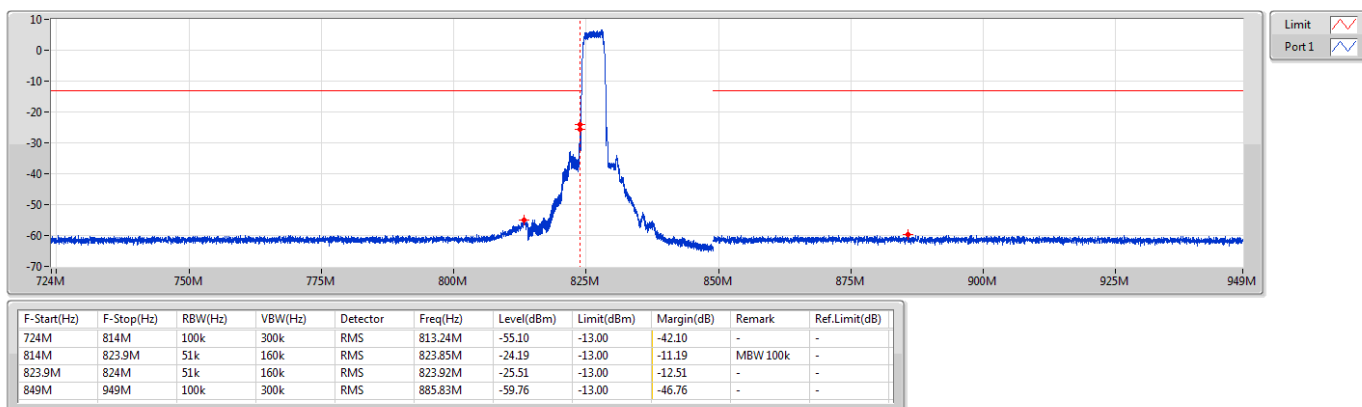
**Summary**

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 5	-	-	-	-	-	-	-	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	814M	823.9M	51k	160k	RMS	823.85M	-24.19	-13.00	-11.19	MBW 100k	-

Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

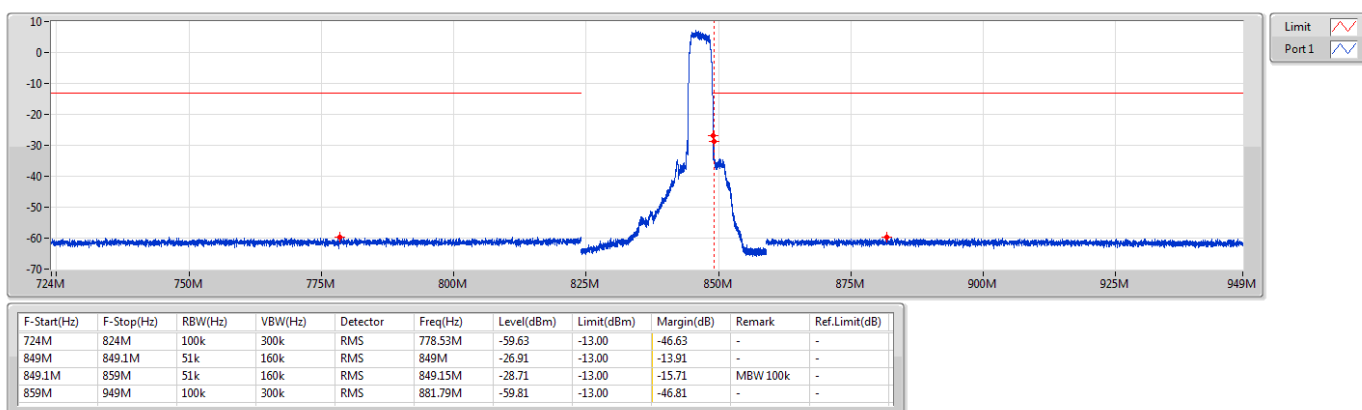
826.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

846.6MHz



**Summary**

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.681M	4.173M	4M17F9W	4.65M	4.163M

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

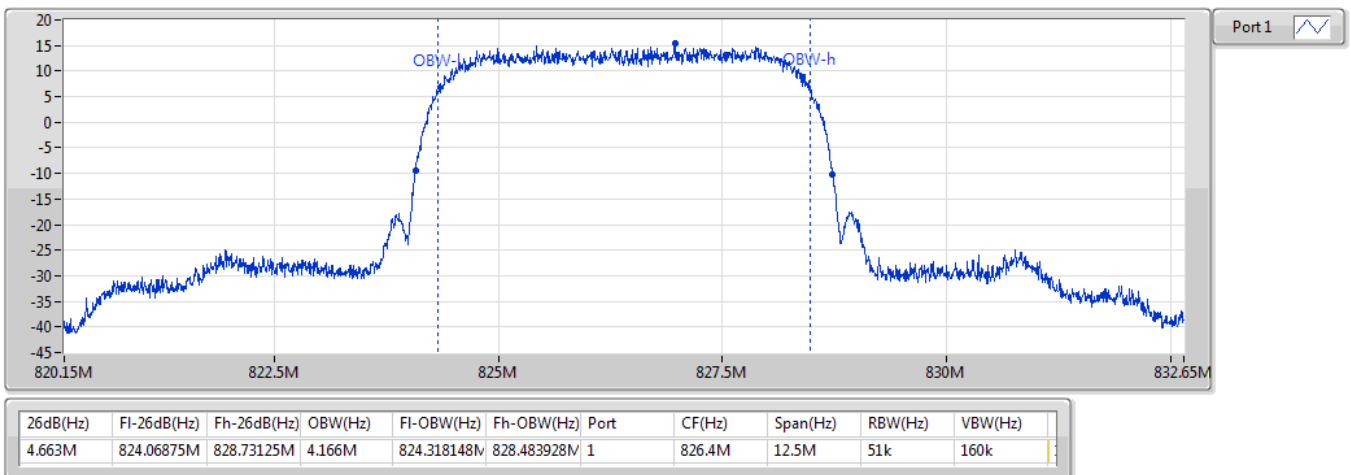
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-
826.4MHz	Pass	Inf	4.663M	4.166M
836.4MHz	Pass	Inf	4.65M	4.163M
846.6MHz	Pass	Inf	4.681M	4.173M

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

Band 5_WCDMA_5MHz_Nss1_1TX

EBW

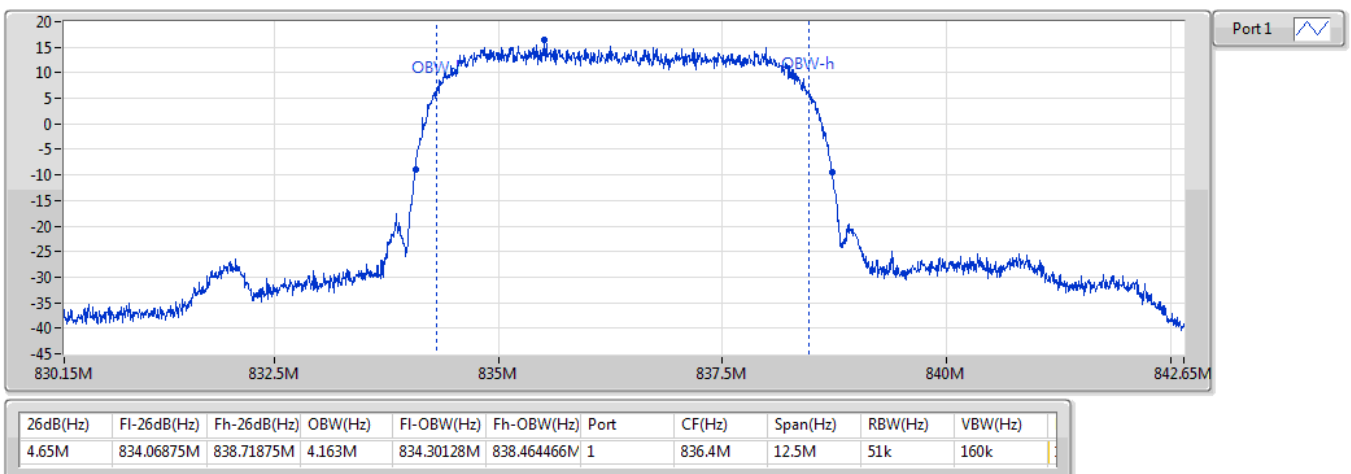
826.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

EBW

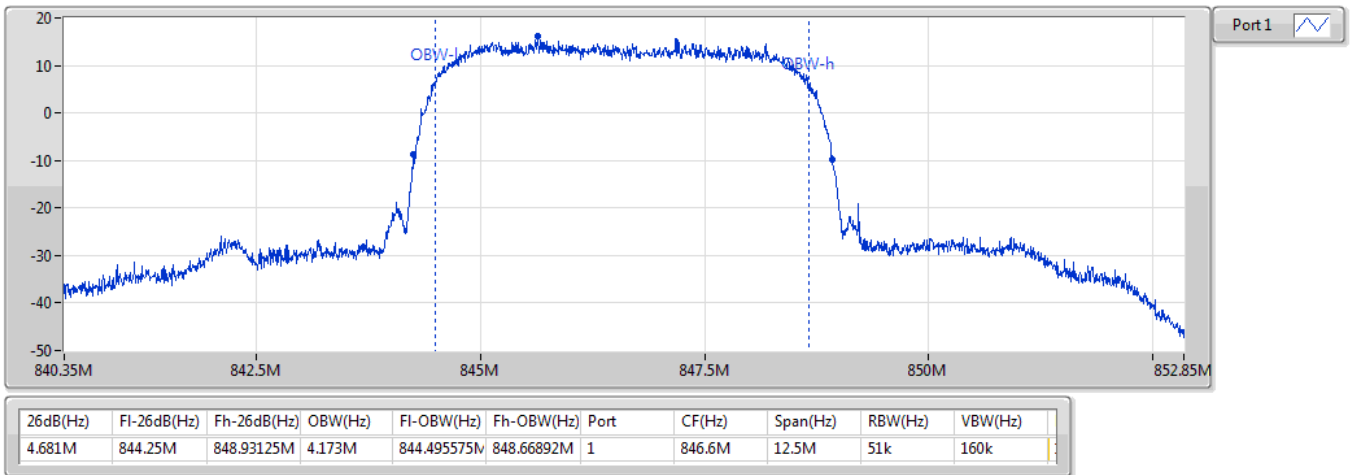
836.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

EBW

846.6MHz



**Summary**

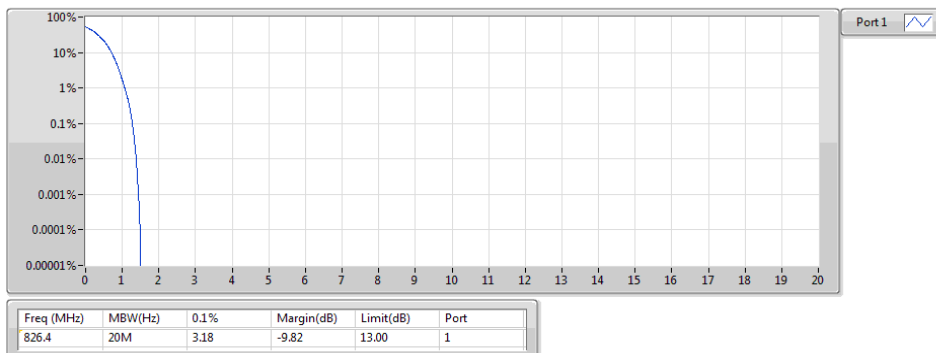
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	826.4	13.00	3.18	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
826.4MHz	Pass	826.4	13.00	3.18	1
836.4MHz	Pass	836.4	13.00	2.92	1
846.6MHz	Pass	846.6	13.00	2.71	1

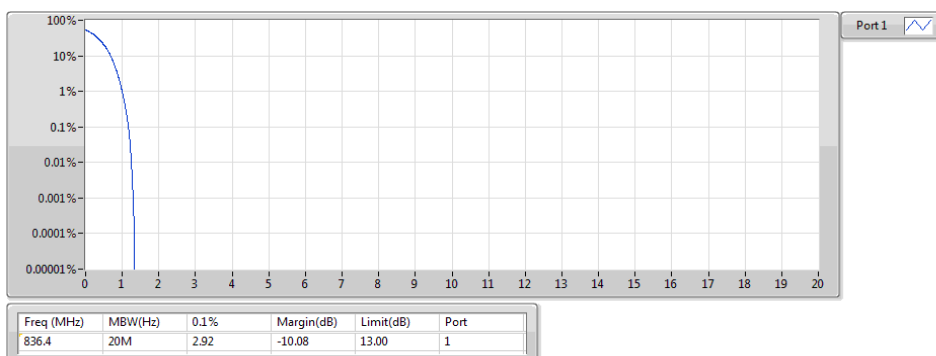
Band 5_WCDMA_5MHz_Nss1_1TX
826.4MHz

PAR



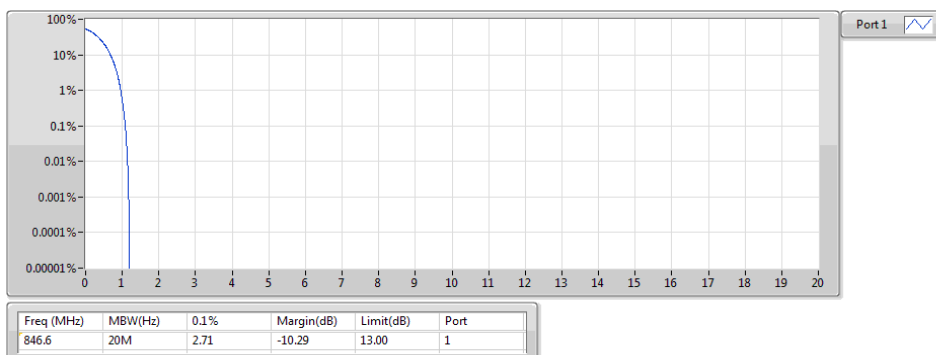
Band 5_WCDMA_5MHz_Nss1_1TX
836.4MHz

PAR



Band 5_WCDMA_5MHz_Nss1_1TX
846.6MHz

PAR



WCDMA Band V				
Temperature (°C)	824.7MHz		848.3MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.025	824.318127	-0.025	848.668899
T20°CVmin	-0.024	824.318128	-0.024	848.668900
T50°CVnom	-0.030	824.318123	-0.028	848.668896
T40°CVnom	-0.028	824.318125	-0.026	848.668898
T30°CVnom	-0.027	824.318126	-0.024	848.668900
T20°CVnom	-0.024	824.318128	-0.025	848.668899
T10°CVnom	-0.023	824.318129	-0.022	848.668901
T0°CVnom	-0.022	824.318130	-0.022	848.668901
T-10°CVnom	-0.019	824.318132	-0.021	848.668902
T-20°CVnom	-0.018	824.318133	-0.020	848.668903
T-30°CVnom	-0.016	824.318135	-0.019	848.668904
Limit	2.5 ppm	>824MHz	2.5 ppm	<849MHz

**Summary**

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 5	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	23.02	0.200	18.49	0.07063
LTE_1.4MHz_Nss1,16QAM_1TX	22.27	0.169	17.74	0.059
LTE_3MHz_Nss1,QPSK_1TX	22.97	0.198	18.44	0.06982
LTE_3MHz_Nss1,16QAM_1TX	22.27	0.169	17.74	0.059
LTE_5MHz_Nss1,QPSK_1TX	23.10	0.204	18.57	0.072
LTE_5MHz_Nss1,16QAM_1TX	22.37	0.173	17.84	0.061
LTE_10MHz_Nss1,QPSK_1TX	23.05	0.202	18.52	0.071
LTE_10MHz_Nss1,16QAM_1TX	22.30	0.170	17.77	0.060

Result

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 5_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
824.7MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.44	18.29	0.067	7	22.82	0.191	Inf	22.82
824.7MHz_QPSK_RB 1,#RB 3	Pass	-2.38	20.61	18.46	0.07015	7	22.99	0.199	Inf	22.99
824.7MHz_QPSK_RB 1,#RB 5	Pass	-2.38	20.48	18.33	0.068	7	22.86	0.193	Inf	22.86
824.7MHz_QPSK_RB 3,#RB 0	Pass	-2.38	20.54	18.39	0.069	7	22.92	0.196	Inf	22.92
824.7MHz_QPSK_RB 3,#RB 1	Pass	-2.38	20.58	18.43	0.070	7	22.96	0.198	Inf	22.96
824.7MHz_QPSK_RB 3,#RB 3	Pass	-2.38	20.54	18.39	0.069	7	22.92	0.196	Inf	22.92
824.7MHz_QPSK_RB 6,#RB 0	Pass	-2.38	19.55	17.40	0.055	7	21.93	0.156	Inf	21.93
836.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.47	18.32	0.068	7	22.85	0.193	Inf	22.85
836.5MHz_QPSK_RB 1,#RB 3	Pass	-2.38	20.60	18.45	0.06998	7	22.98	0.199	Inf	22.98
836.5MHz_QPSK_RB 1,#RB 5	Pass	-2.38	20.46	18.31	0.068	7	22.84	0.192	Inf	22.84
836.5MHz_QPSK_RB 3,#RB 0	Pass	-2.38	20.55	18.40	0.069	7	22.93	0.196	Inf	22.93
836.5MHz_QPSK_RB 3,#RB 1	Pass	-2.38	20.59	18.44	0.070	7	22.97	0.198	Inf	22.97
836.5MHz_QPSK_RB 3,#RB 3	Pass	-2.38	20.56	18.41	0.069	7	22.94	0.197	Inf	22.94
836.5MHz_QPSK_RB 6,#RB 0	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
848.3MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.44	18.29	0.067	7	22.82	0.191	Inf	22.82
848.3MHz_QPSK_RB 1,#RB 3	Pass	-2.38	20.64	18.49	0.07063	7	23.02	0.200	Inf	23.02
848.3MHz_QPSK_RB 1,#RB 5	Pass	-2.38	20.49	18.34	0.068	7	22.87	0.194	Inf	22.87
848.3MHz_QPSK_RB 3,#RB 0	Pass	-2.38	20.57	18.42	0.070	7	22.95	0.197	Inf	22.95
848.3MHz_QPSK_RB 3,#RB 1	Pass	-2.38	20.62	18.47	0.070	7	23.00	0.200	Inf	23.00
848.3MHz_QPSK_RB 3,#RB 3	Pass	-2.38	20.56	18.41	0.069	7	22.94	0.197	Inf	22.94
848.3MHz_QPSK_RB 6,#RB 0	Pass	-2.38	19.61	17.46	0.056	7	21.99	0.158	Inf	21.99
824.7MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.79	17.64	0.058	7	22.17	0.165	Inf	22.17
824.7MHz_16QAM_RB 1,#RB 3	Pass	-2.38	19.89	17.74	0.059	7	22.27	0.169	Inf	22.27
824.7MHz_16QAM_RB 1,#RB 5	Pass	-2.38	19.80	17.65	0.058	7	22.18	0.165	Inf	22.18
824.7MHz_16QAM_RB 3,#RB 0	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
824.7MHz_16QAM_RB 3,#RB 1	Pass	-2.38	19.62	17.47	0.056	7	22.00	0.158	Inf	22.00
824.7MHz_16QAM_RB 3,#RB 3	Pass	-2.38	19.57	17.42	0.055	7	21.95	0.157	Inf	21.95
824.7MHz_16QAM_RB 6,#RB 0	Pass	-2.38	18.70	16.55	0.045	7	21.08	0.128	Inf	21.08
836.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.71	17.56	0.057	7	22.09	0.162	Inf	22.09
836.5MHz_16QAM_RB 1,#RB 3	Pass	-2.38	19.84	17.69	0.059	7	22.22	0.167	Inf	22.22
836.5MHz_16QAM_RB 1,#RB 5	Pass	-2.38	19.74	17.59	0.057	7	22.12	0.163	Inf	22.12
836.5MHz_16QAM_RB 3,#RB 0	Pass	-2.38	19.54	17.39	0.055	7	21.92	0.156	Inf	21.92
836.5MHz_16QAM_RB 3,#RB 1	Pass	-2.38	19.60	17.45	0.056	7	21.98	0.158	Inf	21.98

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
836.5MHz_16QAM_RB 3,#RB 3	Pass	-2.38	19.53	17.38	0.055	7	21.91	0.155	Inf	21.91
836.5MHz_16QAM_RB 6,#RB 0	Pass	-2.38	18.68	16.53	0.045	7	21.06	0.128	Inf	21.06
848.3MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.65	17.50	0.056	7	22.03	0.160	Inf	22.03
848.3MHz_16QAM_RB 1,#RB 3	Pass	-2.38	19.80	17.65	0.058	7	22.18	0.165	Inf	22.18
848.3MHz_16QAM_RB 1,#RB 5	Pass	-2.38	19.70	17.55	0.057	7	22.08	0.161	Inf	22.08
848.3MHz_16QAM_RB 3,#RB 0	Pass	-2.38	19.52	17.37	0.055	7	21.90	0.155	Inf	21.90
848.3MHz_16QAM_RB 3,#RB 1	Pass	-2.38	19.59	17.44	0.055	7	21.97	0.157	Inf	21.97
848.3MHz_16QAM_RB 3,#RB 3	Pass	-2.38	19.52	17.37	0.055	7	21.90	0.155	Inf	21.90
848.3MHz_16QAM_RB 6,#RB 0	Pass	-2.38	18.70	16.55	0.045	7	21.08	0.128	Inf	21.08
Band 5_LTE_3MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
825.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.57	18.42	0.070	7	22.95	0.197	Inf	22.95
825.5MHz_QPSK_RB 1,#RB 8	Pass	-2.38	20.58	18.43	0.06966	7	22.96	0.198	Inf	22.96
825.5MHz_QPSK_RB 1,#RB 14	Pass	-2.38	20.54	18.39	0.069	7	22.92	0.196	Inf	22.92
825.5MHz_QPSK_RB 8,#RB 0	Pass	-2.38	19.55	17.40	0.055	7	21.93	0.156	Inf	21.93
825.5MHz_QPSK_RB 8,#RB 4	Pass	-2.38	19.57	17.42	0.055	7	21.95	0.157	Inf	21.95
825.5MHz_QPSK_RB 8,#RB 7	Pass	-2.38	19.57	17.42	0.055	7	21.95	0.157	Inf	21.95
825.5MHz_QPSK_RB 15,#RB 0	Pass	-2.38	19.53	17.38	0.055	7	21.91	0.155	Inf	21.91
836.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.53	18.38	0.069	7	22.91	0.195	Inf	22.91
836.5MHz_QPSK_RB 1,#RB 8	Pass	-2.38	20.59	18.44	0.06982	7	22.97	0.198	Inf	22.97
836.5MHz_QPSK_RB 1,#RB 14	Pass	-2.38	20.57	18.42	0.070	7	22.95	0.197	Inf	22.95
836.5MHz_QPSK_RB 8,#RB 0	Pass	-2.38	19.58	17.43	0.055	7	21.96	0.157	Inf	21.96
836.5MHz_QPSK_RB 8,#RB 4	Pass	-2.38	19.59	17.44	0.055	7	21.97	0.157	Inf	21.97
836.5MHz_QPSK_RB 8,#RB 7	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
836.5MHz_QPSK_RB 15,#RB 0	Pass	-2.38	19.55	17.40	0.055	7	21.93	0.156	Inf	21.93
847.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.54	18.39	0.069	7	22.92	0.196	Inf	22.92
847.5MHz_QPSK_RB 1,#RB 8	Pass	-2.38	20.56	18.41	0.06934	7	22.94	0.197	Inf	22.94
847.5MHz_QPSK_RB 1,#RB 14	Pass	-2.38	20.55	18.40	0.069	7	22.93	0.196	Inf	22.93
847.5MHz_QPSK_RB 8,#RB 0	Pass	-2.38	19.60	17.45	0.056	7	21.98	0.158	Inf	21.98
847.5MHz_QPSK_RB 8,#RB 4	Pass	-2.38	19.61	17.46	0.056	7	21.99	0.158	Inf	21.99
847.5MHz_QPSK_RB 8,#RB 7	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
847.5MHz_QPSK_RB 15,#RB 0	Pass	-2.38	19.64	17.49	0.056	7	22.02	0.159	Inf	22.02
825.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.89	17.74	0.059	7	22.27	0.169	Inf	22.27
825.5MHz_16QAM_RB 1,#RB 8	Pass	-2.38	19.85	17.70	0.059	7	22.23	0.167	Inf	22.23
825.5MHz_16QAM_RB 1,#RB 14	Pass	-2.38	19.84	17.69	0.059	7	22.22	0.167	Inf	22.22
825.5MHz_16QAM_RB 8,#RB 0	Pass	-2.38	18.68	16.53	0.045	7	21.06	0.128	Inf	21.06

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
825.5MHz_16QAM_RB 8,#RB 4	Pass	-2.38	18.70	16.55	0.045	7	21.08	0.128	Inf	21.08
825.5MHz_16QAM_RB 8,#RB 7	Pass	-2.38	18.67	16.52	0.045	7	21.05	0.127	Inf	21.05
825.5MHz_16QAM_RB 15,#RB 0	Pass	-2.38	18.58	16.43	0.044	7	20.96	0.125	Inf	20.96
836.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.78	17.63	0.058	7	22.16	0.164	Inf	22.16
836.5MHz_16QAM_RB 1,#RB 8	Pass	-2.38	19.80	17.65	0.058	7	22.18	0.165	Inf	22.18
836.5MHz_16QAM_RB 1,#RB 14	Pass	-2.38	19.83	17.68	0.059	7	22.21	0.166	Inf	22.21
836.5MHz_16QAM_RB 8,#RB 0	Pass	-2.38	18.66	16.51	0.045	7	21.04	0.127	Inf	21.04
836.5MHz_16QAM_RB 8,#RB 4	Pass	-2.38	18.68	16.53	0.045	7	21.06	0.128	Inf	21.06
836.5MHz_16QAM_RB 8,#RB 7	Pass	-2.38	18.65	16.50	0.045	7	21.03	0.127	Inf	21.03
836.5MHz_16QAM_RB 15,#RB 0	Pass	-2.38	18.60	16.45	0.044	7	20.98	0.125	Inf	20.98
847.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.75	17.60	0.058	7	22.13	0.163	Inf	22.13
847.5MHz_16QAM_RB 1,#RB 8	Pass	-2.38	19.74	17.59	0.057	7	22.12	0.163	Inf	22.12
847.5MHz_16QAM_RB 1,#RB 14	Pass	-2.38	19.78	17.63	0.058	7	22.16	0.164	Inf	22.16
847.5MHz_16QAM_RB 8,#RB 0	Pass	-2.38	18.67	16.52	0.045	7	21.05	0.127	Inf	21.05
847.5MHz_16QAM_RB 8,#RB 4	Pass	-2.38	18.70	16.55	0.045	7	21.08	0.128	Inf	21.08
847.5MHz_16QAM_RB 8,#RB 7	Pass	-2.38	18.64	16.49	0.045	7	21.02	0.126	Inf	21.02
847.5MHz_16QAM_RB 15,#RB 0	Pass	-2.38	18.65	16.50	0.045	7	21.03	0.127	Inf	21.03
Band 5_LTE_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
826.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.47	18.32	0.068	7	22.85	0.193	Inf	22.85
826.5MHz_QPSK_RB 1,#RB 12	Pass	-2.38	20.67	18.52	0.071	7	23.05	0.202	Inf	23.05
826.5MHz_QPSK_RB 1,#RB 24	Pass	-2.38	20.41	18.26	0.067	7	22.79	0.190	Inf	22.79
826.5MHz_QPSK_RB 12,#RB 0	Pass	-2.38	19.50	17.35	0.054	7	21.88	0.154	Inf	21.88
826.5MHz_QPSK_RB 12,#RB 7	Pass	-2.38	19.60	17.45	0.056	7	21.98	0.158	Inf	21.98
826.5MHz_QPSK_RB 12,#RB 13	Pass	-2.38	19.60	17.45	0.056	7	21.98	0.158	Inf	21.98
826.5MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.55	17.40	0.055	7	21.93	0.156	Inf	21.93
836.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.43	18.28	0.067	7	22.81	0.191	Inf	22.81
836.5MHz_QPSK_RB 1,#RB 12	Pass	-2.38	20.72	18.57	0.072	7	23.10	0.204	Inf	23.10
836.5MHz_QPSK_RB 1,#RB 24	Pass	-2.38	20.46	18.31	0.068	7	22.84	0.192	Inf	22.84
836.5MHz_QPSK_RB 12,#RB 0	Pass	-2.38	19.63	17.48	0.056	7	22.01	0.159	Inf	22.01
836.5MHz_QPSK_RB 12,#RB 7	Pass	-2.38	19.62	17.47	0.056	7	22.00	0.158	Inf	22.00
836.5MHz_QPSK_RB 12,#RB 13	Pass	-2.38	19.52	17.37	0.055	7	21.90	0.155	Inf	21.90
836.5MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
846.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.46	18.31	0.068	7	22.84	0.192	Inf	22.84
846.5MHz_QPSK_RB 1,#RB 12	Pass	-2.38	20.69	18.54	0.071	7	23.07	0.203	Inf	23.07
846.5MHz_QPSK_RB 1,#RB 24	Pass	-2.38	20.44	18.29	0.067	7	22.82	0.191	Inf	22.82

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
846.5MHz_QPSK_RB 12,#RB 0	Pass	-2.38	19.62	17.47	0.056	7	22.00	0.158	Inf	22.00
846.5MHz_QPSK_RB 12,#RB 7	Pass	-2.38	19.62	17.47	0.056	7	22.00	0.158	Inf	22.00
846.5MHz_QPSK_RB 12,#RB 13	Pass	-2.38	19.49	17.34	0.054	7	21.87	0.154	Inf	21.87
846.5MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
826.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.78	17.63	0.058	7	22.16	0.164	Inf	22.16
826.5MHz_16QAM_RB 1,#RB 12	Pass	-2.38	19.99	17.84	0.061	7	22.37	0.173	Inf	22.37
826.5MHz_16QAM_RB 1,#RB 24	Pass	-2.38	19.70	17.55	0.057	7	22.08	0.161	Inf	22.08
826.5MHz_16QAM_RB 12,#RB 0	Pass	-2.38	18.56	16.41	0.044	7	20.94	0.124	Inf	20.94
826.5MHz_16QAM_RB 12,#RB 7	Pass	-2.38	18.65	16.50	0.045	7	21.03	0.127	Inf	21.03
826.5MHz_16QAM_RB 12,#RB 13	Pass	-2.38	18.66	16.51	0.045	7	21.04	0.127	Inf	21.04
826.5MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.61	16.46	0.044	7	20.99	0.126	Inf	20.99
836.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.67	17.52	0.056	7	22.05	0.160	Inf	22.05
836.5MHz_16QAM_RB 1,#RB 12	Pass	-2.38	19.96	17.81	0.060	7	22.34	0.171	Inf	22.34
836.5MHz_16QAM_RB 1,#RB 24	Pass	-2.38	19.78	17.63	0.058	7	22.16	0.164	Inf	22.16
836.5MHz_16QAM_RB 12,#RB 0	Pass	-2.38	18.65	16.50	0.045	7	21.03	0.127	Inf	21.03
836.5MHz_16QAM_RB 12,#RB 7	Pass	-2.38	18.63	16.48	0.044	7	21.01	0.126	Inf	21.01
836.5MHz_16QAM_RB 12,#RB 13	Pass	-2.38	18.55	16.40	0.044	7	20.93	0.124	Inf	20.93
836.5MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.59	16.44	0.044	7	20.97	0.125	Inf	20.97
846.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.74	17.59	0.057	7	22.12	0.163	Inf	22.12
846.5MHz_16QAM_RB 1,#RB 12	Pass	-2.38	19.84	17.69	0.059	7	22.22	0.167	Inf	22.22
846.5MHz_16QAM_RB 1,#RB 24	Pass	-2.38	19.69	17.54	0.057	7	22.07	0.161	Inf	22.07
846.5MHz_16QAM_RB 12,#RB 0	Pass	-2.38	18.62	16.47	0.044	7	21.00	0.126	Inf	21.00
846.5MHz_16QAM_RB 12,#RB 7	Pass	-2.38	18.63	16.48	0.044	7	21.01	0.126	Inf	21.01
846.5MHz_16QAM_RB 12,#RB 13	Pass	-2.38	18.50	16.35	0.043	7	20.88	0.122	Inf	20.88
846.5MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.58	16.43	0.044	7	20.96	0.125	Inf	20.96
Band 5_LTE_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
829MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.55	18.40	0.069	7	22.93	0.196	Inf	22.93
829MHz_QPSK_RB 1,#RB 25	Pass	-2.38	20.62	18.47	0.070	7	23.00	0.200	Inf	23.00
829MHz_QPSK_RB 1,#RB 49	Pass	-2.38	20.49	18.34	0.068	7	22.87	0.194	Inf	22.87
829MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.50	17.35	0.054	7	21.88	0.154	Inf	21.88
829MHz_QPSK_RB 25,#RB 12	Pass	-2.38	19.59	17.44	0.055	7	21.97	0.157	Inf	21.97
829MHz_QPSK_RB 25,#RB 25	Pass	-2.38	19.63	17.48	0.056	7	22.01	0.159	Inf	22.01
829MHz_QPSK_RB 50,#RB 0	Pass	-2.38	19.54	17.39	0.055	7	21.92	0.156	Inf	21.92
836.5MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.48	18.33	0.068	7	22.86	0.193	Inf	22.86
836.5MHz_QPSK_RB 1,#RB 25	Pass	-2.38	20.67	18.52	0.071	7	23.05	0.202	Inf	23.05

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
836.5MHz_QPSK_RB 1,#RB 49	Pass	-2.38	20.58	18.43	0.070	7	22.96	0.198	Inf	22.96
836.5MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.71	17.56	0.057	7	22.09	0.162	Inf	22.09
836.5MHz_QPSK_RB 25,#RB 12	Pass	-2.38	19.63	17.48	0.056	7	22.01	0.159	Inf	22.01
836.5MHz_QPSK_RB 25,#RB 25	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
836.5MHz_QPSK_RB 50,#RB 0	Pass	-2.38	19.65	17.50	0.056	7	22.03	0.160	Inf	22.03
844MHz_QPSK_RB 1,#RB 0	Pass	-2.38	20.59	18.44	0.070	7	22.97	0.198	Inf	22.97
844MHz_QPSK_RB 1,#RB 25	Pass	-2.38	20.67	18.52	0.071	7	23.05	0.202	Inf	23.05
844MHz_QPSK_RB 1,#RB 49	Pass	-2.38	20.54	18.39	0.069	7	22.92	0.196	Inf	22.92
844MHz_QPSK_RB 25,#RB 0	Pass	-2.38	19.56	17.41	0.055	7	21.94	0.156	Inf	21.94
844MHz_QPSK_RB 25,#RB 12	Pass	-2.38	19.64	17.49	0.056	7	22.02	0.159	Inf	22.02
844MHz_QPSK_RB 25,#RB 25	Pass	-2.38	19.49	17.34	0.054	7	21.87	0.154	Inf	21.87
844MHz_QPSK_RB 50,#RB 0	Pass	-2.38	19.55	17.40	0.055	7	21.93	0.156	Inf	21.93
829MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.87	17.72	0.059	7	22.25	0.168	Inf	22.25
829MHz_16QAM_RB 1,#RB 25	Pass	-2.38	19.92	17.77	0.060	7	22.30	0.170	Inf	22.30
829MHz_16QAM_RB 1,#RB 49	Pass	-2.38	19.73	17.58	0.057	7	22.11	0.163	Inf	22.11
829MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.56	16.41	0.044	7	20.94	0.124	Inf	20.94
829MHz_16QAM_RB 25,#RB 12	Pass	-2.38	18.63	16.48	0.044	7	21.01	0.126	Inf	21.01
829MHz_16QAM_RB 25,#RB 25	Pass	-2.38	18.68	16.53	0.045	7	21.06	0.128	Inf	21.06
829MHz_16QAM_RB 50,#RB 0	Pass	-2.38	18.60	16.45	0.044	7	20.98	0.125	Inf	20.98
836.5MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.73	17.58	0.057	7	22.11	0.163	Inf	22.11
836.5MHz_16QAM_RB 1,#RB 25	Pass	-2.38	19.88	17.73	0.059	7	22.26	0.168	Inf	22.26
836.5MHz_16QAM_RB 1,#RB 49	Pass	-2.38	19.91	17.76	0.060	7	22.29	0.169	Inf	22.29
836.5MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.72	16.57	0.045	7	21.10	0.129	Inf	21.10
836.5MHz_16QAM_RB 25,#RB 12	Pass	-2.38	18.67	16.52	0.045	7	21.05	0.127	Inf	21.05
836.5MHz_16QAM_RB 25,#RB 25	Pass	-2.38	18.61	16.46	0.044	7	20.99	0.126	Inf	20.99
836.5MHz_16QAM_RB 50,#RB 0	Pass	-2.38	18.66	16.51	0.045	7	21.04	0.127	Inf	21.04
844MHz_16QAM_RB 1,#RB 0	Pass	-2.38	19.90	17.75	0.060	7	22.28	0.169	Inf	22.28
844MHz_16QAM_RB 1,#RB 25	Pass	-2.38	19.92	17.77	0.060	7	22.30	0.170	Inf	22.30
844MHz_16QAM_RB 1,#RB 49	Pass	-2.38	19.75	17.60	0.058	7	22.13	0.163	Inf	22.13
844MHz_16QAM_RB 25,#RB 0	Pass	-2.38	18.63	16.48	0.044	7	21.01	0.126	Inf	21.01
844MHz_16QAM_RB 25,#RB 12	Pass	-2.38	18.68	16.53	0.045	7	21.06	0.128	Inf	21.06
844MHz_16QAM_RB 25,#RB 25	Pass	-2.38	18.51	16.36	0.043	7	20.89	0.123	Inf	20.89
844MHz_16QAM_RB 50,#RB 0	Pass	-2.38	18.58	16.43	0.044	7	20.96	0.125	Inf	20.96

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

Test Result of Radiated Emissions below 1GHz

Mode	LTE Band 5, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20643						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-68.99	-13	-55.99	-71.38	-47.36	-19.48
45.52	H	-75.9	-13	-62.9	-71.72	-62.02	-11.73
114.39	H	-76.52	-13	-63.52	-70.26	-71.33	-3.04
207.51	H	-76.57	-13	-63.57	-73.7	-73.09	-1.33
361.74	H	-76.21	-13	-63.21	-74.02	-72.8	-1.26
451.95	H	-74.85	-13	-61.85	-75.79	-71.22	-1.48
30.00	V	-69.87	-13	-56.87	-65.89	-48.93	-18.79
51.34	V	-65.86	-13	-52.86	-62.61	-57.03	-6.68
89.17	V	-71.19	-13	-58.19	-72.08	-62.98	-6.06
167.74	V	-73.93	-13	-60.93	-71.02	-69.86	-1.92
201.69	V	-72.57	-13	-59.57	-70.51	-69.1	-1.32
343.31	V	-71.8	-13	-58.8	-72.57	-68.36	-1.29

Mode	LTE Band 5, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.26	H	-68.41	-13	-55.41	-70.78	-46.84	-19.42
45.31	H	-76.8	-13	-63.8	-72.57	-63.02	-11.63
115.10	H	-77.41	-13	-64.41	-71.15	-72.25	-3.01
206.50	H	-77.79	-13	-64.79	-74.92	-74.31	-1.33
361.65	H	-75.63	-13	-62.63	-73.46	-72.22	-1.26
452.26	H	-72.5	-13	-59.5	-73.44	-68.87	-1.48
30.31	V	-69.03	-13	-56.03	-65.01	-47.98	-18.9
51.64	V	-64.63	-13	-51.63	-61.42	-55.86	-6.62
89.32	V	-72.61	-13	-59.61	-73.46	-64.46	-6
168.26	V	-72.63	-13	-59.63	-69.72	-68.59	-1.89
202.46	V	-71.71	-13	-58.71	-69.68	-68.24	-1.32
345.26	V	-70.64	-13	-57.64	-71.41	-67.2	-1.29

NOTE: ERP = S.G power value + correction factor - 2.15

Mode	LTE Band 5, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20425						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.29	H	-68.6	-13	-55.6	-70.97	-47.04	-19.41
45.29	H	-74.61	-13	-61.61	-70.62	-60.26	-12.2
115.12	H	-75.3	-13	-62.3	-69.12	-70	-3.15
206.29	H	-76.73	-13	-63.73	-73.86	-73.25	-1.33
362.58	H	-75.83	-13	-62.83	-73.66	-72.42	-1.26
452.26	H	-73.69	-13	-60.69	-74.62	-70.06	-1.48
30.31	V	-68.64	-13	-55.64	-64.68	-47.76	-18.73
51.64	V	-67.1	-13	-54.1	-63.62	-57.95	-7
89.28	V	-71.73	-13	-58.73	-72.59	-63.56	-6.02
168.64	V	-72.57	-13	-59.57	-69.66	-68.53	-1.89
202.64	V	-72.3	-13	-59.3	-70.27	-68.83	-1.32
344.13	V	-71.36	-13	-58.36	-72.13	-67.92	-1.29

Mode	LTE Band 5, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.18	H	-68.6	-13	-55.6	-70.97	-47.03	-19.42
45.95	H	-74.61	-13	-61.61	-70.36	-60.88	-11.58
115.12	H	-77.61	-13	-64.61	-71.45	-72.29	-3.17
208.26	H	-77.73	-13	-64.73	-74.86	-74.25	-1.33
362.15	H	-75.43	-13	-62.43	-73.22	-72.02	-1.26
452.12	H	-73.7	-13	-60.7	-74.64	-70.07	-1.48
30.05	V	-68.01	-13	-55.01	-64.02	-47.03	-18.83
51.67	V	-66.74	-13	-53.74	-63.5	-57.93	-6.66
89.26	V	-72.41	-13	-59.41	-73.27	-64.24	-6.02
168.12	V	-73.6	-13	-60.6	-70.69	-69.56	-1.89
202.46	V	-71.49	-13	-58.49	-69.49	-68.02	-1.32
344.58	V	-71.37	-13	-58.37	-72.14	-67.93	-1.29

NOTE: ERP = S.G power value + correction factor - 2.15

Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 5, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20407						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1649.40	H	-45.39	-13	-32.39	-47.89	-48.34	5.1
2474.10	H	-38.12	-13	-25.12	-44.52	-41.26	5.29
5772.90	H	-44.57	-13	-31.57	-60.58	-46.57	4.15
1649.40	V	-49.19	-13	-36.19	-51.86	-52.14	5.1
2474.10	V	-37.02	-13	-24.02	-43.58	-40.16	5.29
5772.90	V	-38.18	-13	-25.18	-54.89	-40.18	4.15

Mode	LTE Band 5, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1673.00	H	-44.3	-13	-31.3	-46.92	-47.3	5.15
2509.50	H	-36.58	-13	-23.58	-43.08	-39.81	5.38
5855.50	H	-43.56	-13	-30.56	-59.92	-45.58	4.17
1673.00	V	-47.55	-13	-34.55	-50.3	-50.55	5.15
2509.50	V	-35.92	-13	-22.92	-42.47	-39.15	5.38
5855.50	V	-36.84	-13	-23.84	-53.53	-38.86	4.17

Mode	LTE Band 5, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20643						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1696.60	H	-44.77	-13	-31.77	-47.52	-47.82	5.2
2544.90	H	-37.64	-13	-24.64	-44.25	-40.96	5.47
5938.10	H	-43.58	-13	-30.58	-60.32	-45.63	4.2
1696.60	V	-48.4	-13	-35.4	-51.23	-51.45	5.2
2544.90	V	-36.44	-13	-23.44	-42.98	-39.76	5.47
5938.10	V	-37.61	-13	-24.61	-54.29	-39.66	4.2

NOTE: ERP = S.G power value + correction factor - 2.15

Mode	LTE Band 5, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20415						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1651.00	H	-46.71	-13	-33.71	-49.21	-49.66	5.1
2476.50	H	-36.73	-13	-23.73	-43.13	-39.87	5.29
5778.50	H	-43.73	-13	-30.73	-59.75	-45.72	4.14
1651.00	V	-48.74	-13	-35.74	-51.41	-51.69	5.1
2476.50	V	-37.83	-13	-24.83	-44.39	-40.97	5.29
5778.50	V	-37.79	-13	-24.79	-54.5	-39.78	4.14

Mode	LTE Band 5, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1673.00	H	-44.71	-13	-31.71	-47.33	-47.71	5.15
2509.50	H	-37.1	-13	-24.1	-43.6	-40.33	5.38
5855.50	H	-43.83	-13	-30.83	-60.19	-45.85	4.17
1673.00	V	-46.74	-13	-33.74	-49.49	-49.74	5.15
2509.50	V	-36.83	-13	-23.83	-43.38	-40.06	5.38
5855.50	V	-37.31	-13	-24.31	-54	-39.33	4.17

Mode	LTE Band 5, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20635						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1695.00	H	-44.44	-13	-31.44	-47.18	-47.48	5.19
2542.50	H	-38.63	-13	-25.63	-45.22	-40.95	4.47
5932.50	H	-44.51	-13	-31.51	-61.22	-46.55	4.19
1695.00	V	-48.1	-13	-35.1	-50.92	-51.14	5.19
2542.50	V	-36.74	-13	-23.74	-43.28	-39.06	4.47
5932.50	V	-39.05	-13	-26.05	-55.72	-41.09	4.19

NOTE: ERP = S.G power value + correction factor - 2.15

Mode	LTE Band 5, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20425						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1653.00	H	-46.41	-13	-33.41	-48.92	-49.36	5.1
2479.50	H	-37.61	-13	-24.61	-44.03	-40.76	5.3
5785.50	H	-43.82	-13	-30.82	-59.87	-45.81	4.14
1653.00	V	-48.74	-13	-35.74	-51.42	-51.69	5.1
2479.50	V	-38.79	-13	-25.79	-45.36	-41.94	5.3
5785.50	V	-39.6	-13	-26.6	-56.31	-41.59	4.14

Mode	LTE Band 5, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1673.00	H	-44.31	-13	-31.31	-46.93	-47.31	5.15
2509.50	H	-36.71	-13	-23.71	-43.21	-39.94	5.38
5855.50	H	-44.77	-13	-31.77	-61.13	-46.79	4.17
1673.00	V	-48.74	-13	-35.74	-51.49	-51.74	5.15
2509.50	V	-35.7	-13	-22.7	-42.25	-38.93	5.38
5855.50	V	-38.63	-13	-25.63	-55.32	-40.65	4.17

Mode	LTE Band 5, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20625						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1693.00	H	-46.46	-13	-33.46	-49.19	-49.5	5.19
2539.50	H	-39.56	-13	-26.56	-46.14	-42.87	5.46
5925.50	H	-45.58	-13	-32.58	-62.26	-47.62	4.19
1693.00	V	-49.44	-13	-36.44	-52.25	-52.48	5.19
2539.50	V	-37.31	-13	-24.31	-43.85	-40.62	5.46
5925.50	V	-38.58	-13	-25.58	-55.26	-40.62	4.19

NOTE: ERP = S.G power value + correction factor - 2.15

Mode	LTE Band 5, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20450						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1658.00	H	-45.46	-13	-32.46	-48	-48.42	5.11
2487.00	H	-38.7	-13	-25.7	-45.14	-41.87	5.32
5803.00	H	-45.08	-13	-32.08	-61.21	-47.08	4.15
1658.00	V	-49.31	-13	-36.31	-52.01	-52.27	5.11
2487.00	V	-38.1	-13	-25.1	-44.66	-41.27	5.32
5803.00	V	-38.27	-13	-25.27	-54.98	-40.27	4.15

Mode	LTE Band 5, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20525						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1673.00	H	-44.95	-13	-31.95	-47.57	-47.95	5.15
2509.50	H	-37.35	-13	-24.35	-43.85	-40.58	5.38
5855.50	H	-44.09	-13	-31.09	-60.45	-46.11	4.17
1673.00	V	-47.73	-13	-34.73	-50.48	-50.73	5.15
2509.50	V	-36.29	-13	-23.29	-42.84	-39.52	5.38
5855.50	V	-37.23	-13	-24.23	-53.92	-39.25	4.17

Mode	LTE Band 5, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20600						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1688.00	H	-45.68	-13	-32.68	-48.38	-48.71	5.18
2532.00	H	-38.79	-13	-25.79	-45.36	-42.08	5.44
5908.00	H	-44.74	-13	-31.74	-61.34	-46.78	4.19
1688.00	V	-49.77	-13	-36.77	-52.56	-52.8	5.18
2532.00	V	-36.23	-13	-23.23	-42.77	-39.52	5.44
5908.00	V	-37.94	-13	-24.94	-54.62	-39.98	4.19

NOTE: ERP = S.G power value + correction factor - 2.15

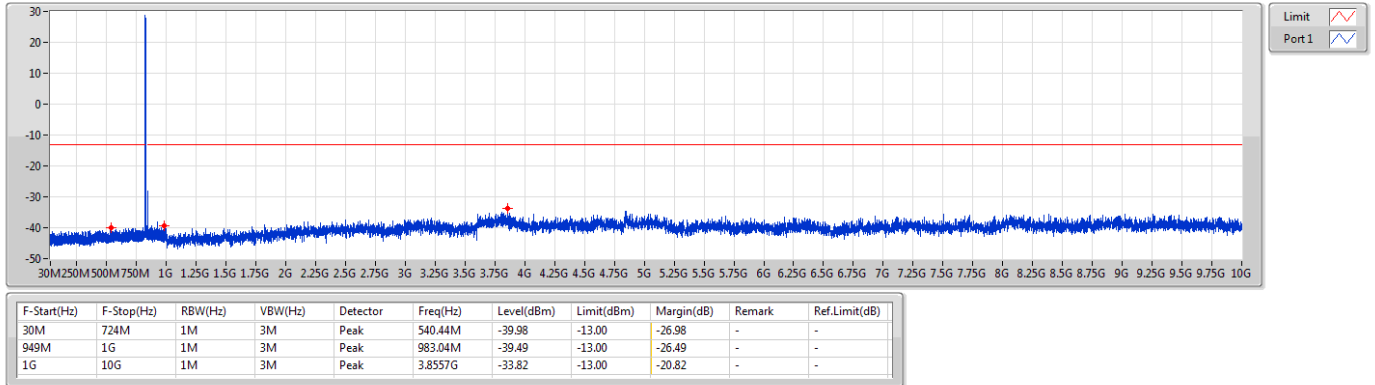
**Summary**

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 5	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.8557G	-33.82	-13.00	-20.82	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	8.1397G	-33.82	-13.00	-20.82	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	4.9591G	-32.65	-13.00	-19.65	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7477G	-34.17	-13.00	-21.17	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7882G	-33.45	-13.00	-20.45	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.8053G	-34.20	-13.00	-21.20	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.6838G	-34.11	-13.00	-21.11	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.745G	-34.55	-13.00	-21.55	-	-

Band 5_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

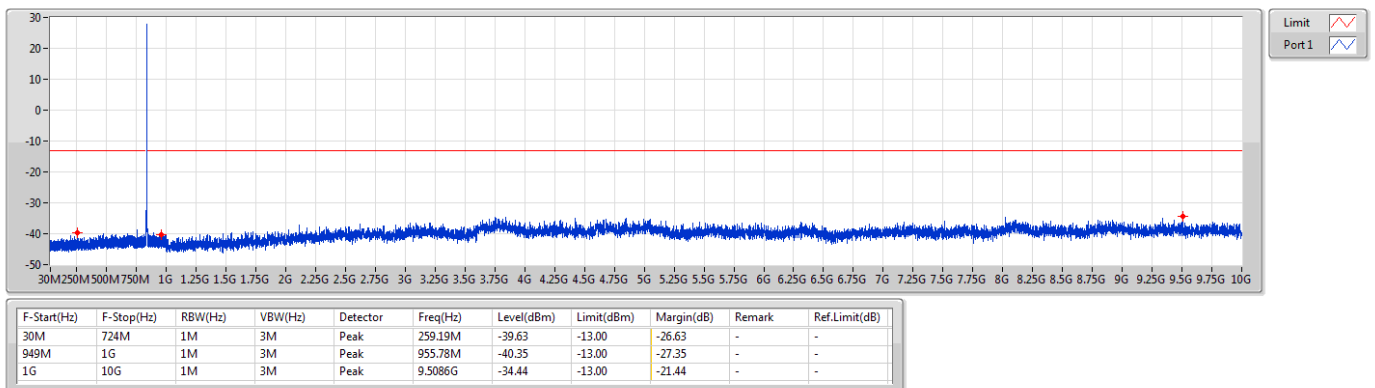
824.7MHz_QPSK_RB 1,#RB 3



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX

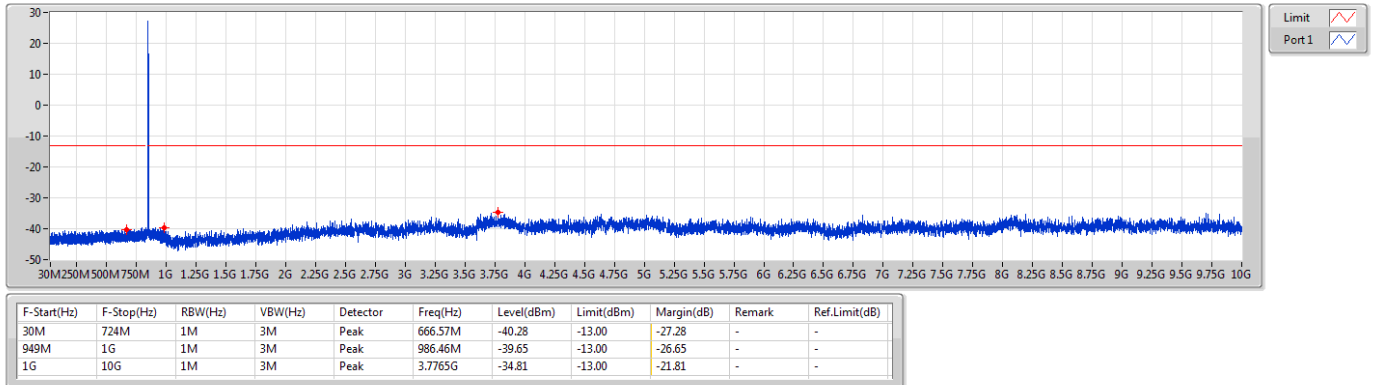
CSE-TX-Sum

836.5MHz_QPSK_RB 1,#RB 3



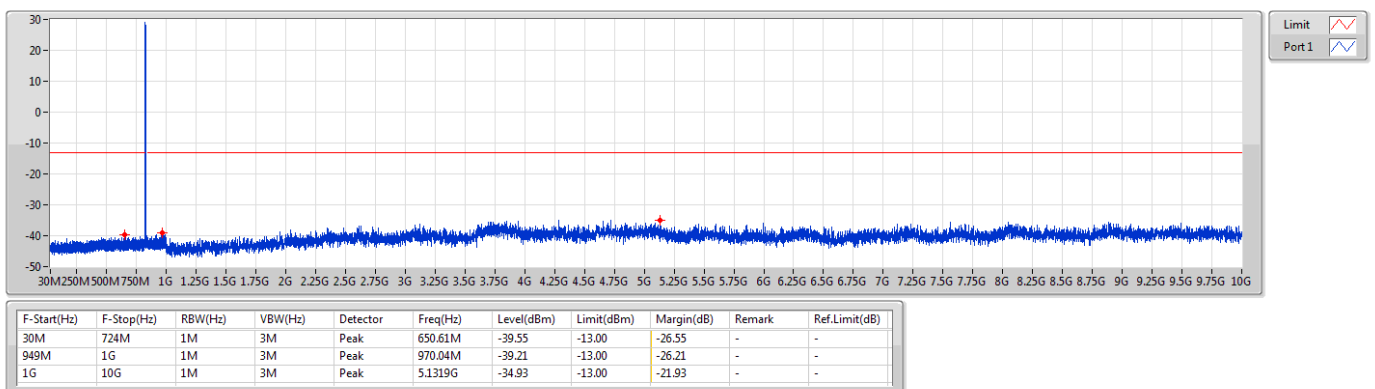
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
848.3MHz_QPSK_RB 1,#RB 3

CSE-TX-Sum



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX
824.7MHz_16QAM_RB 1,#RB 3

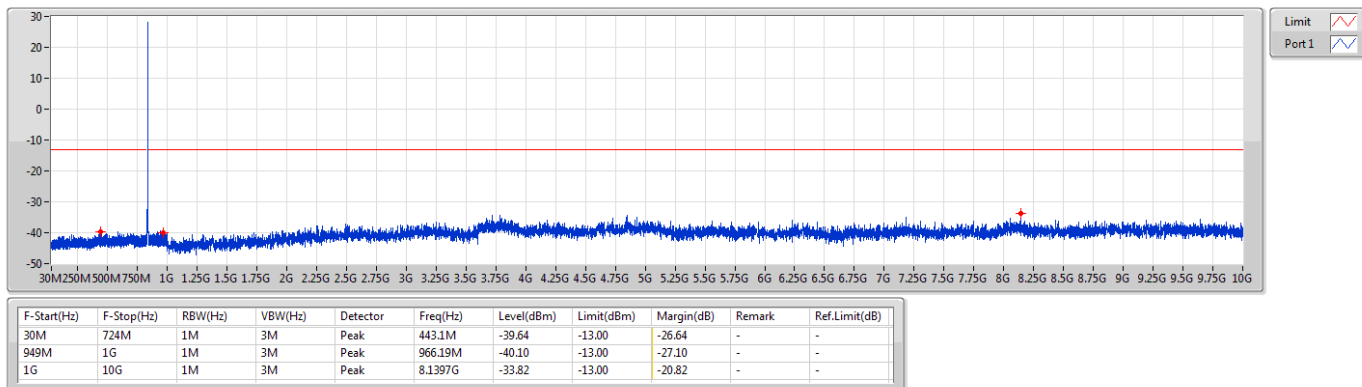
CSE-TX-Sum



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

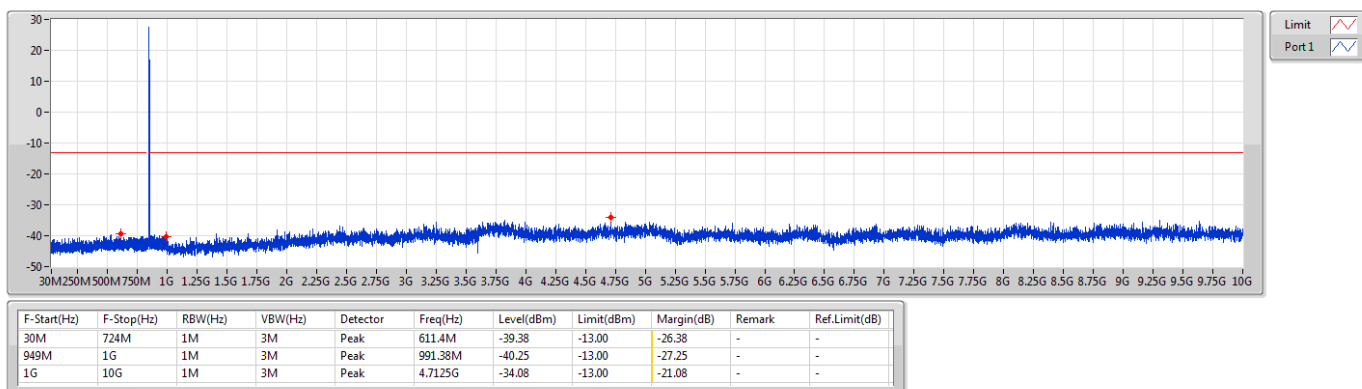
836.5MHz_16QAM_RB 1,#RB 3



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

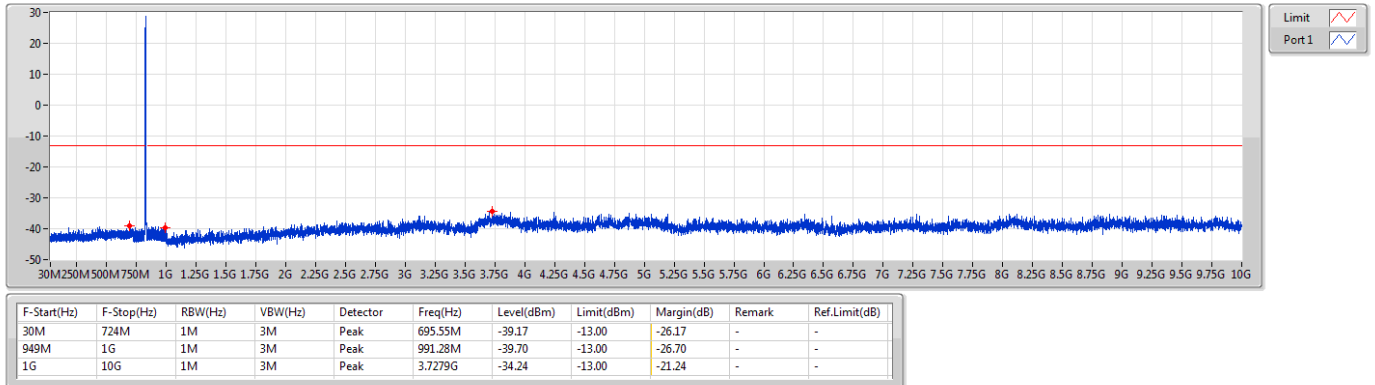
CSE-TX-Sum

848.3MHz_16QAM_RB 1,#RB 3



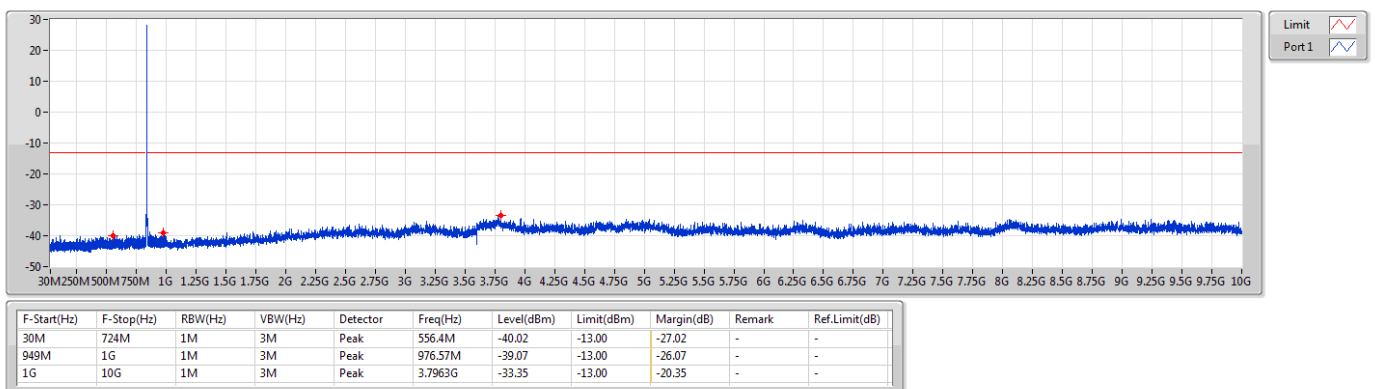
Band 5_LTE_3MHz_Nss1,QPSK_1TX
825.5MHz_QPSK_RB 1,#RB 8

CSE-TX-Sum



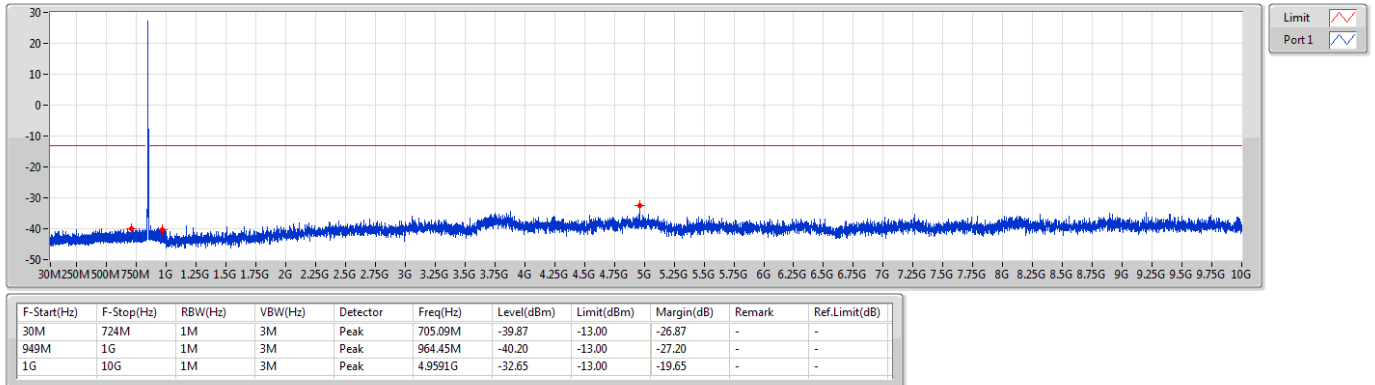
Band 5_LTE_3MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 1,#RB 8

CSE-TX-Sum



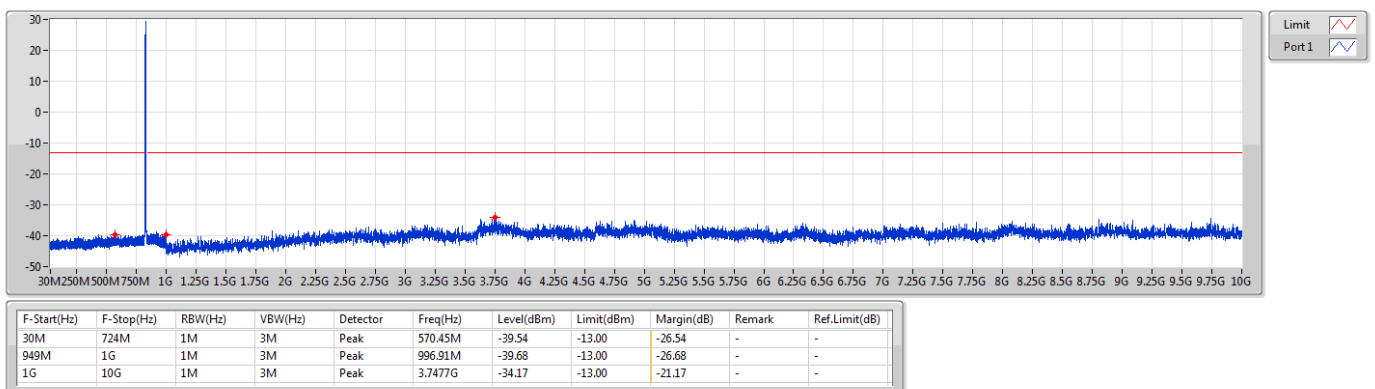
Band 5_LTE_3MHz_Nss1,QPSK_1TX
847.5MHz_QPSK_RB 1,#RB 8

CSE-TX-Sum



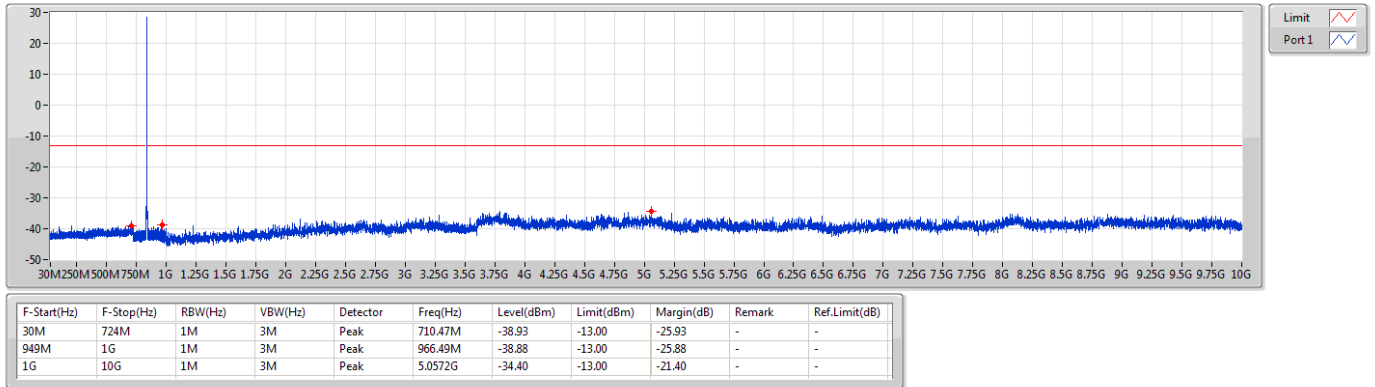
Band 5_LTE_3MHz_Nss1,16QAM_1TX
825.5MHz_16QAM_RB 1,#RB 8

CSE-TX-Sum



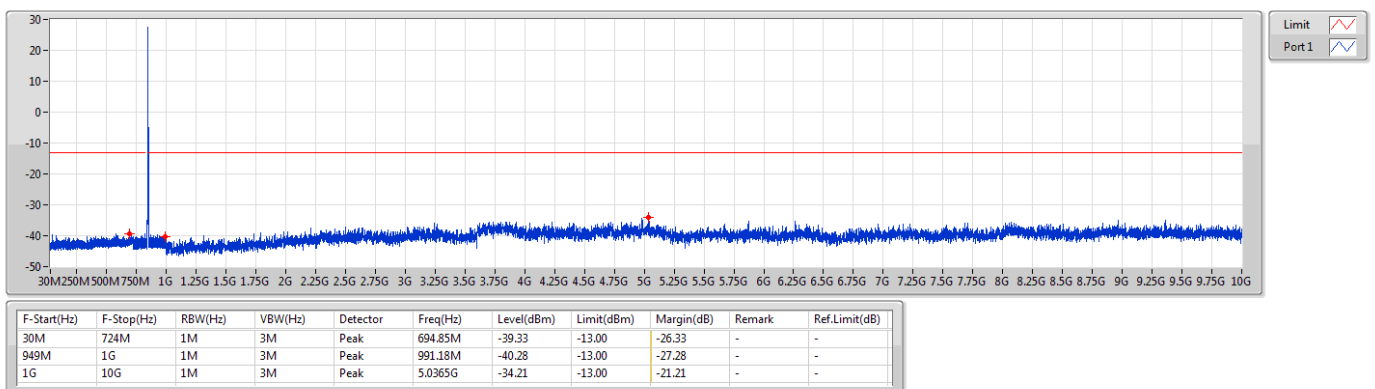
Band 5_LTE_3MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 1,#RB 8

CSE-TX-Sum



Band 5_LTE_3MHz_Nss1,16QAM_1TX
847.5MHz_16QAM_RB 1,#RB 8

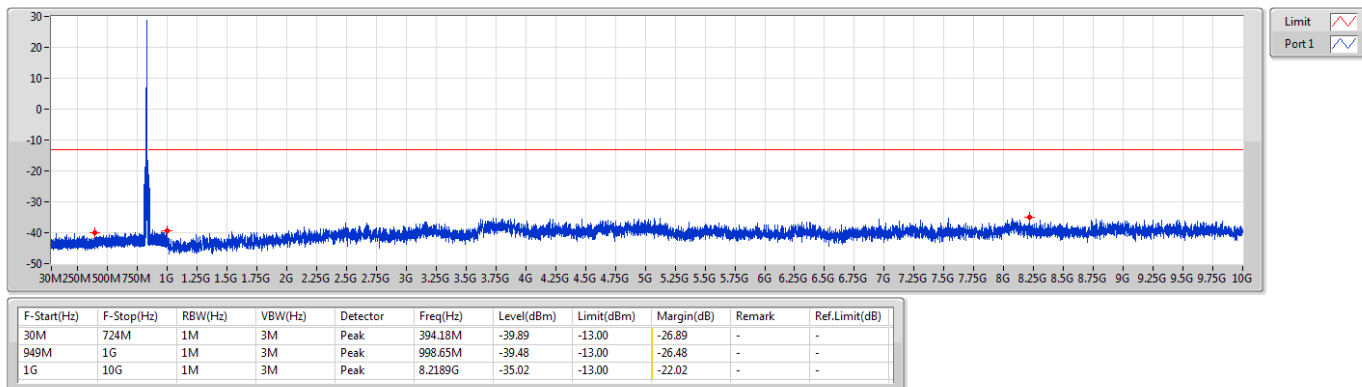
CSE-TX-Sum



Band 5_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

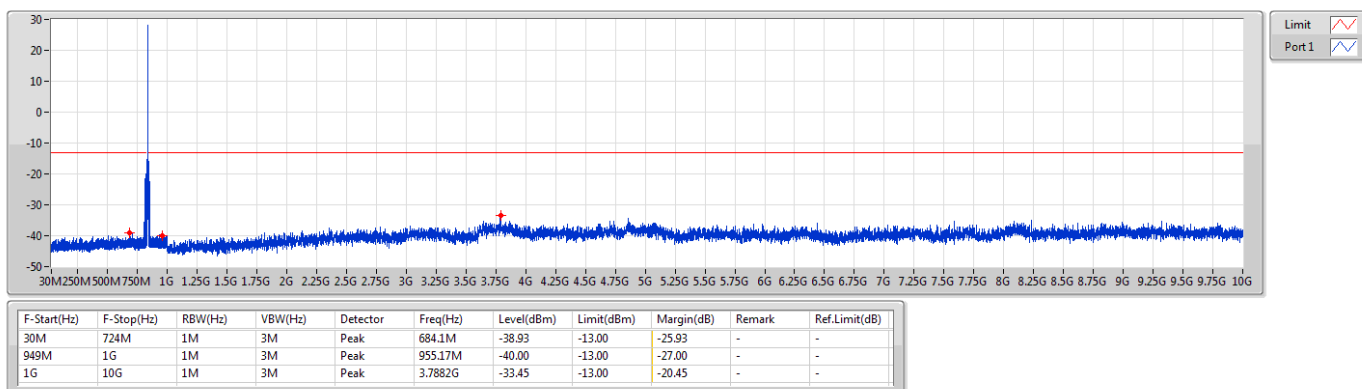
826.5MHz_QPSK_RB 1,#RB 12



Band 5_LTE_5MHz_Nss1,QPSK_1TX

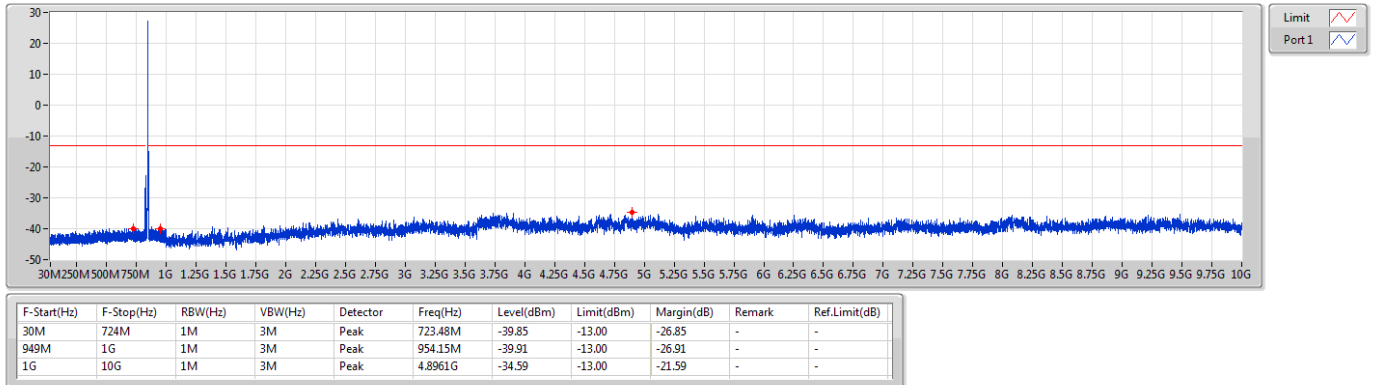
CSE-TX-Sum

836.5MHz_QPSK_RB 1,#RB 12



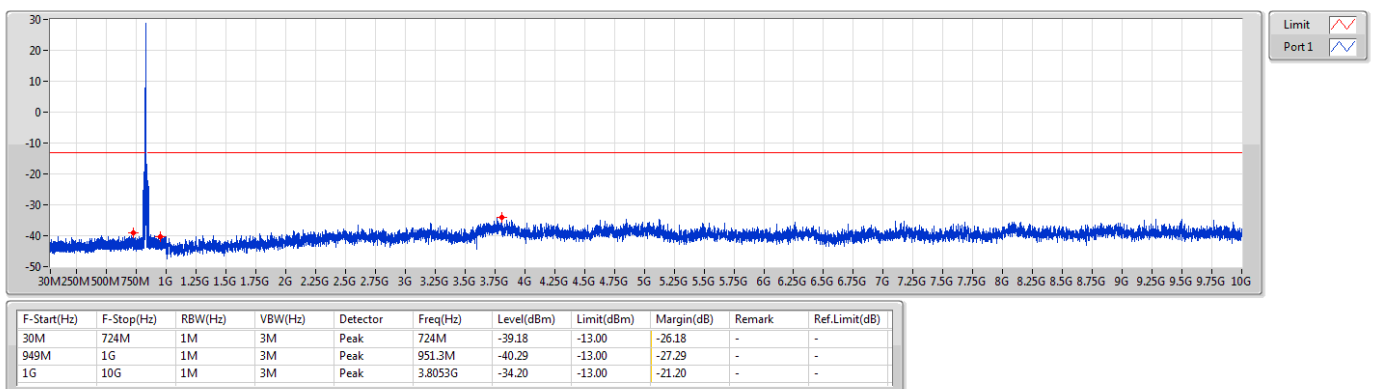
Band 5_LTE_5MHz_Nss1,QPSK_1TX
846.5MHz_QPSK_RB 1,#RB 12

CSE-TX-Sum



Band 5_LTE_5MHz_Nss1,16QAM_1TX
826.5MHz_16QAM_RB 1,#RB 12

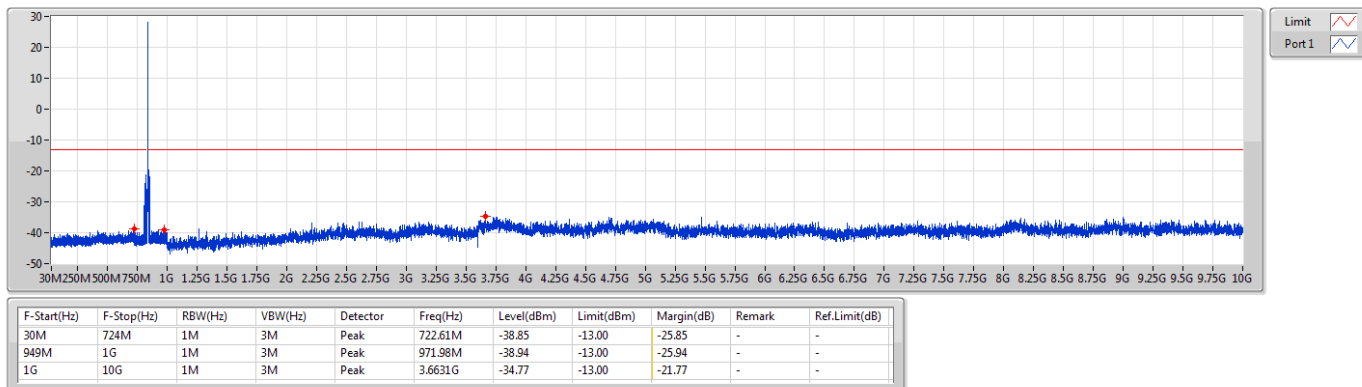
CSE-TX-Sum



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

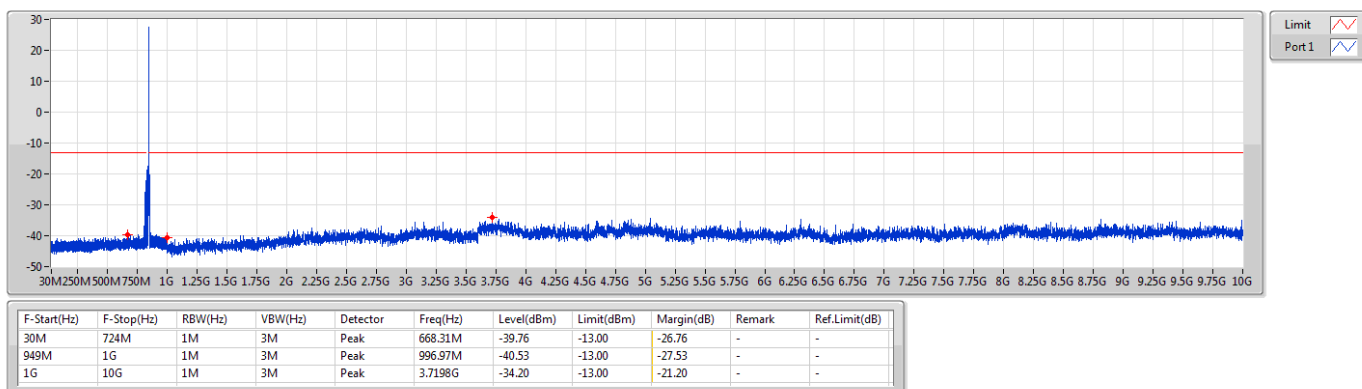
836.5MHz_16QAM_RB 1,#RB 12



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

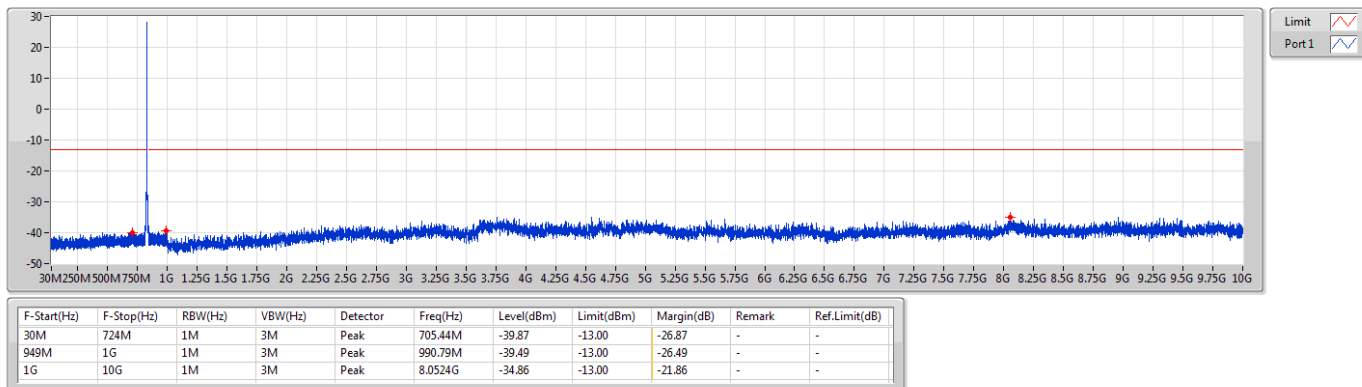
846.5MHz_16QAM_RB 1,#RB 12



Band 5_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

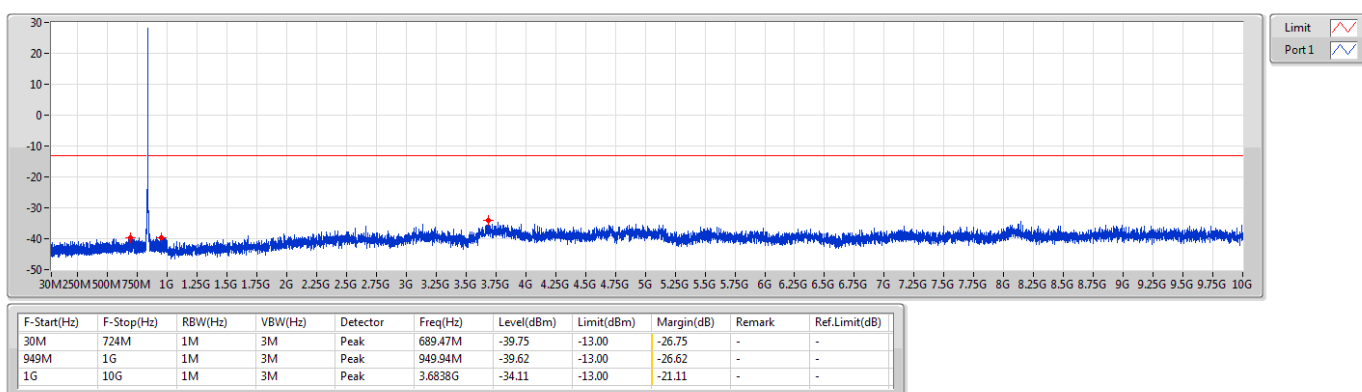
829MHz_QPSK_RB 1,#RB 25



Band 5_LTE_10MHz_Nss1,QPSK_1TX

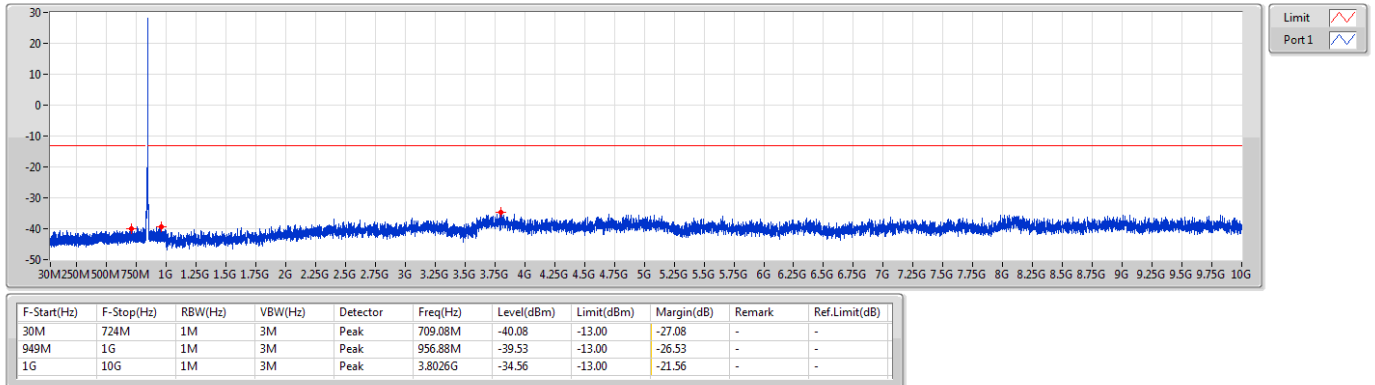
CSE-TX-Sum

836.5MHz_QPSK_RB 1,#RB 25



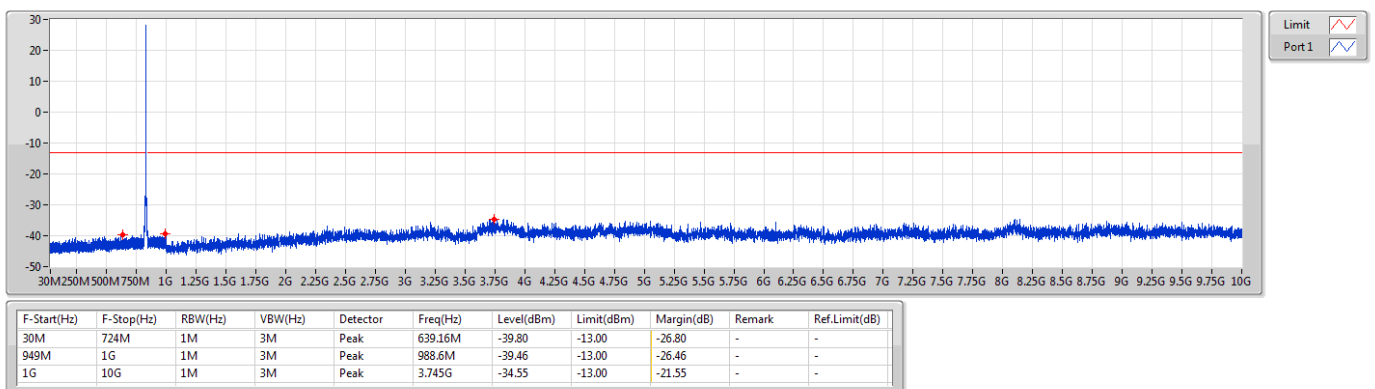
Band 5_LTE_10MHz_Nss1,QPSK_1TX
844MHz_QPSK_RB 1,#RB 25

CSE-TX-Sum



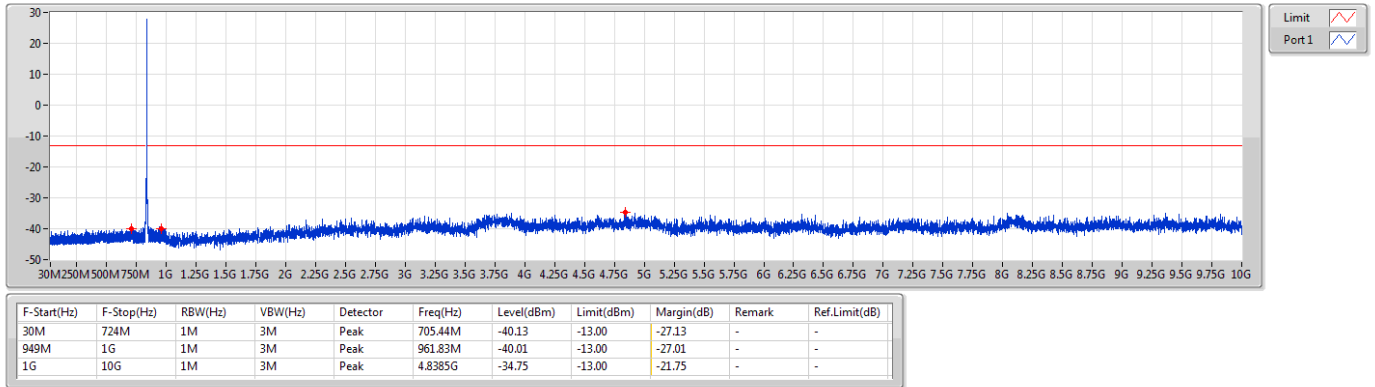
Band 5_LTE_10MHz_Nss1,16QAM_1TX
829MHz_16QAM_RB 1,#RB 25

CSE-TX-Sum



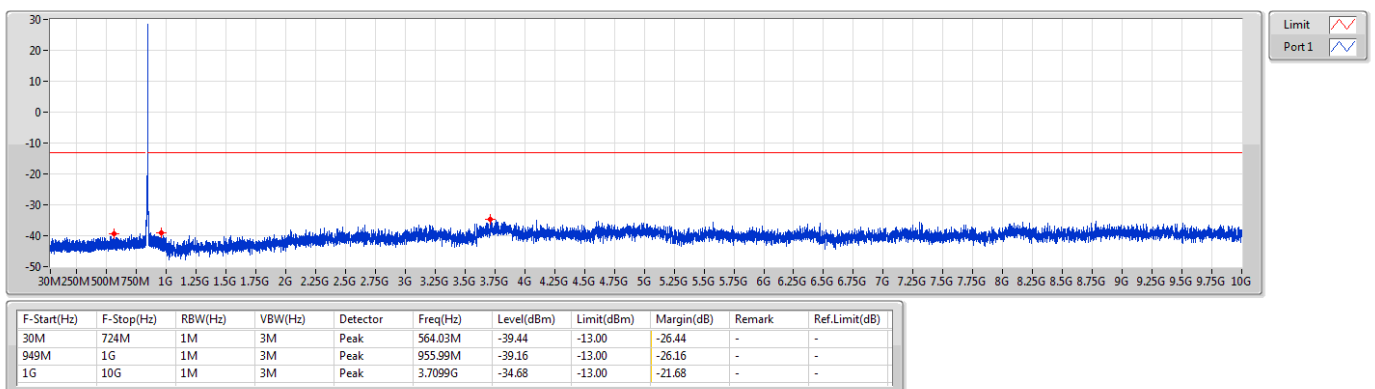
Band 5_LTE_10MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 1,#RB 25

CSE-TX-Sum



Band 5_LTE_10MHz_Nss1,16QAM_1TX
844MHz_16QAM_RB 1,#RB 25

CSE-TX-Sum

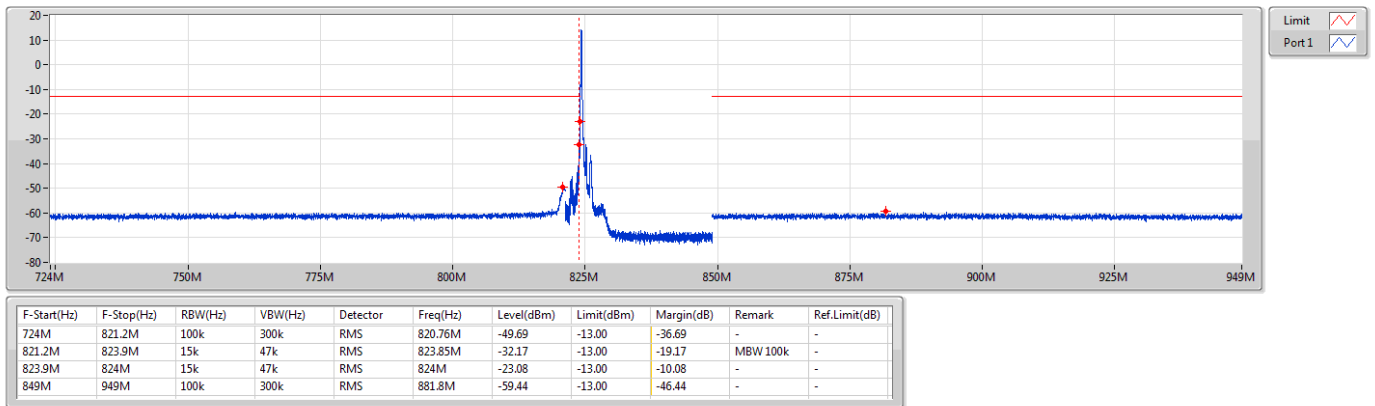


**Summary**

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 5	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	15k	47k	RMS	849M	-20.93	-13.00	-7.93	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	15k	47k	RMS	849M	-19.42	-13.00	-6.42	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	30k	100k	RMS	849M	-18.67	-13.00	-5.67	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	30k	100k	RMS	849M	-17.44	-13.00	-4.44	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	51k	160k	RMS	849M	-18.20	-13.00	-5.20	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	823.9M	824M	51k	160k	RMS	824M	-16.88	-13.00	-3.88	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	100k	300k	RMS	849M	-21.03	-13.00	-8.03	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	100k	300k	RMS	849M	-20.39	-13.00	-7.39	-	-

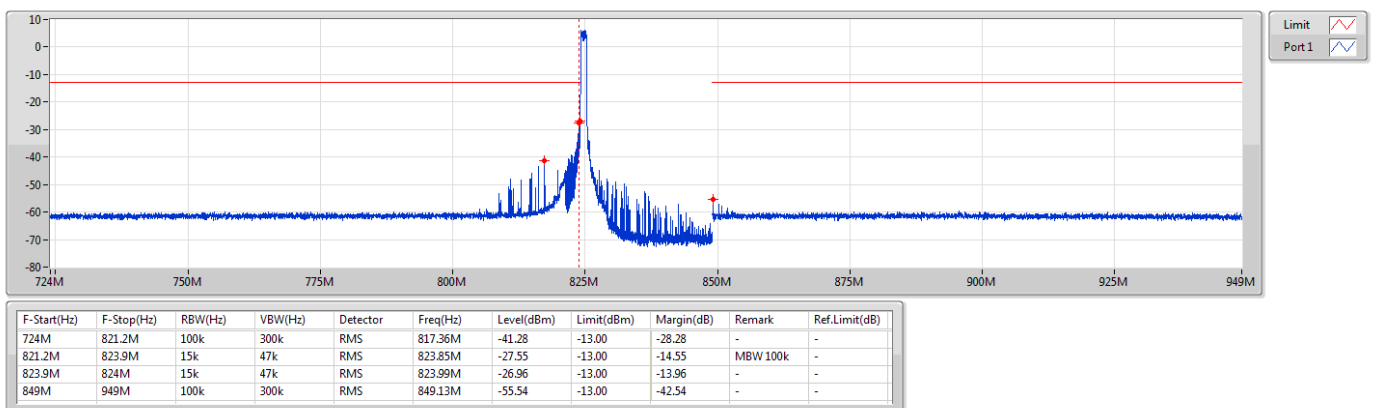
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
824.7MHz_QPSK_RB 1,#RB 0

CSE-TX-Sum



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
824.7MHz_QPSK_RB 6,#RB 0

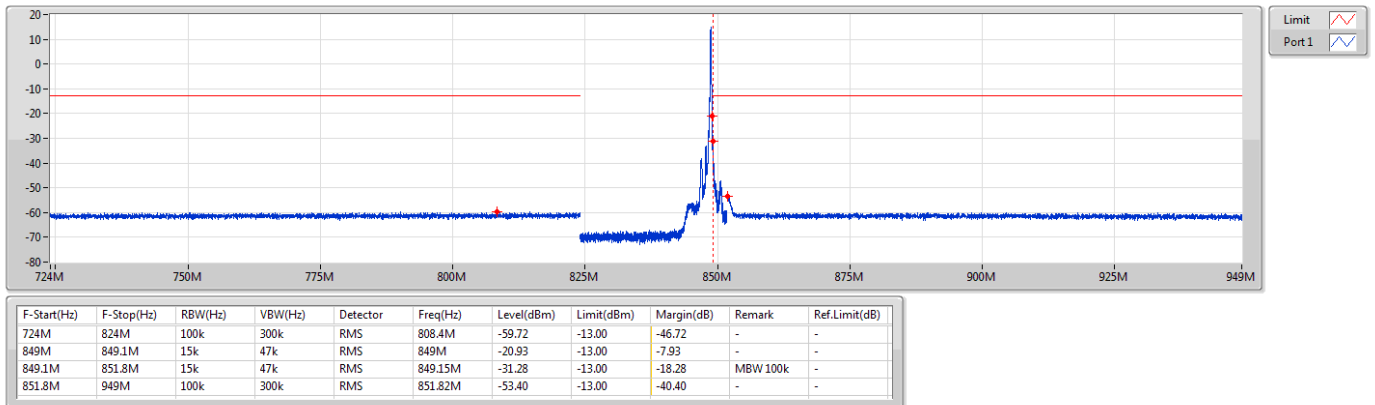
CSE-TX-Sum



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

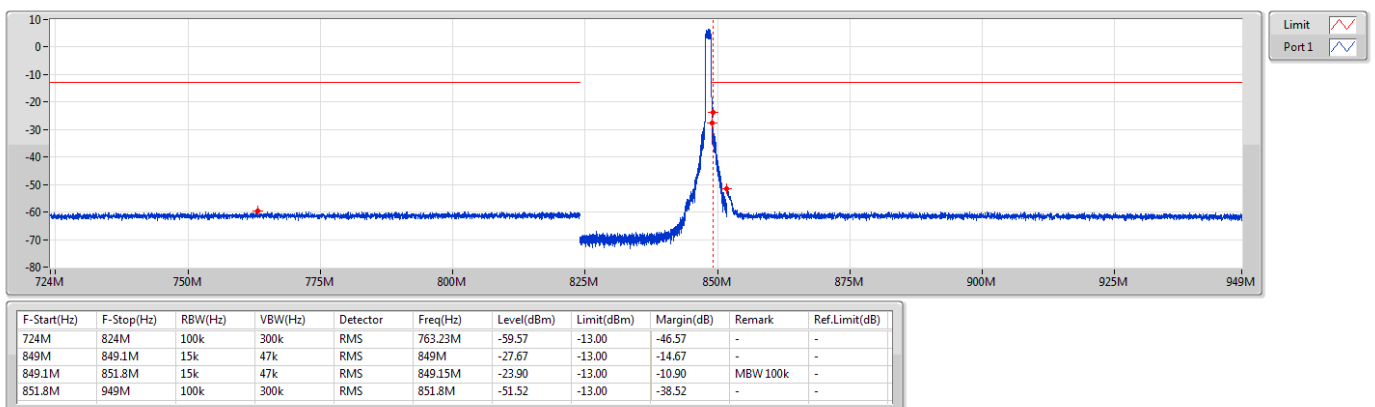
848.3MHz_QPSK_RB 1,#RB 5



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

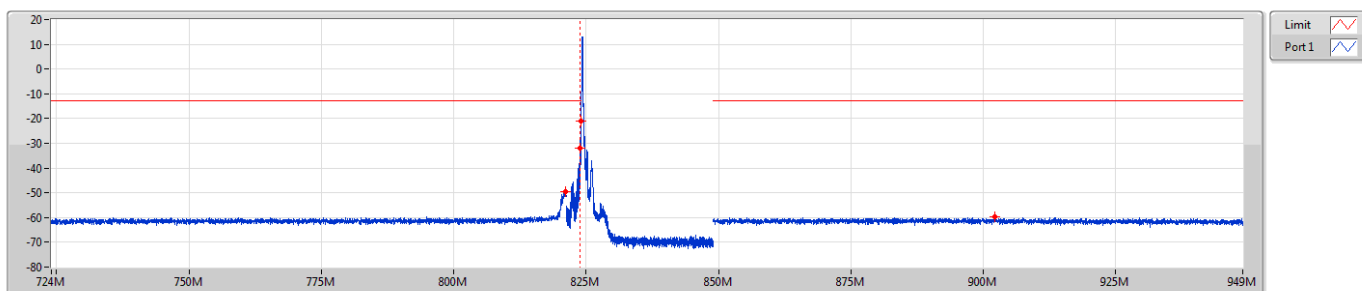
848.3MHz_QPSK_RB 6,#RB 0



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

824.7MHz_16QAM_RB 1,#RB 0

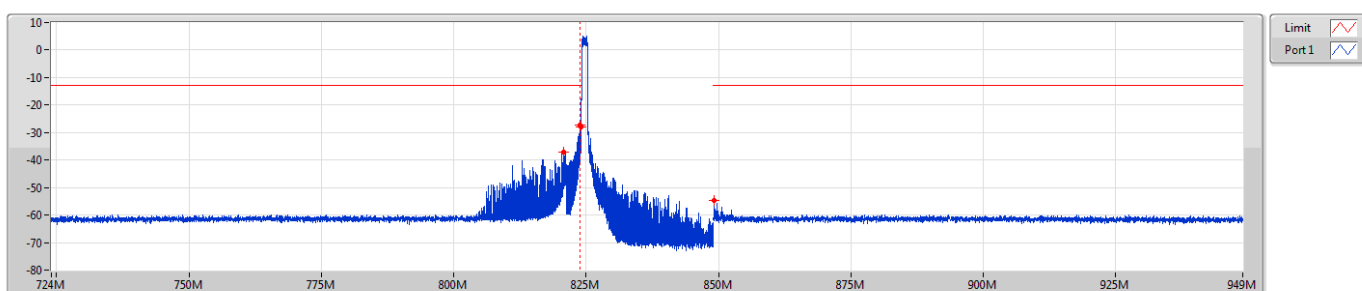


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
724M	821.2M	100k	300k	RMS	821.05M	-49.51	-13.00	-36.51	-	-
821.2M	823.9M	15k	47k	RMS	823.85M	-32.09	-13.00	-19.09	MBW 100k	-
823.9M	824M	15k	47k	RMS	824M	-21.05	-13.00	-8.05	-	-
849M	949M	100k	300k	RMS	902.13M	-59.86	-13.00	-46.86	-	-

Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

824.7MHz_16QAM_RB 6,#RB 0

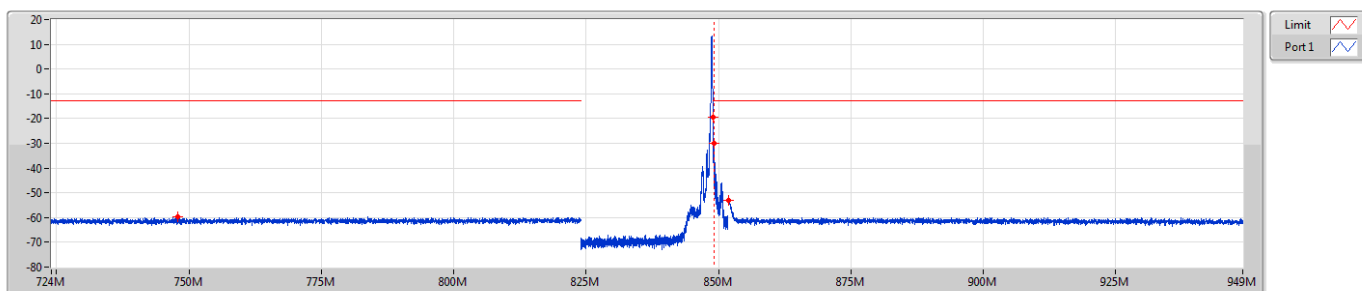


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
724M	821.2M	100k	300k	RMS	820.74M	-37.13	-13.00	-24.13	-	-
821.2M	823.9M	15k	47k	RMS	823.85M	-27.38	-13.00	-14.38	MBW 100k	-
823.9M	824M	15k	47k	RMS	823.99M	-27.95	-13.00	-14.95	-	-
849M	949M	100k	300k	RMS	849.15M	-54.84	-13.00	-41.84	-	-

Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

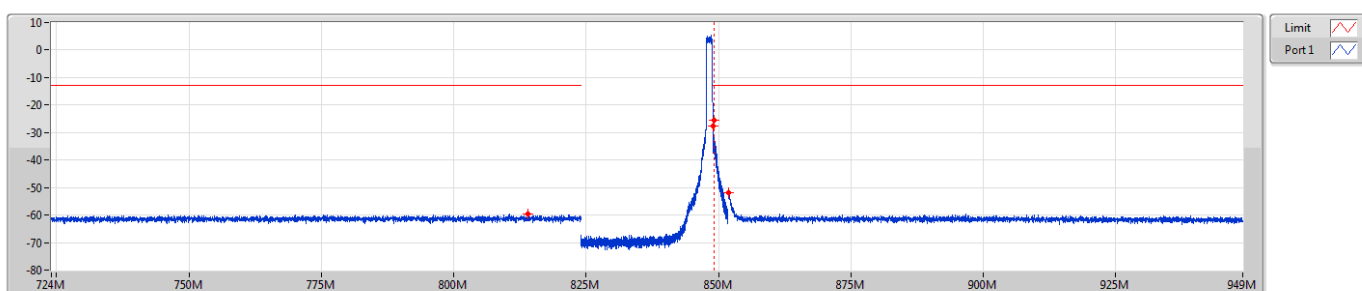
848.3MHz_16QAM_RB 1,#RB 5



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

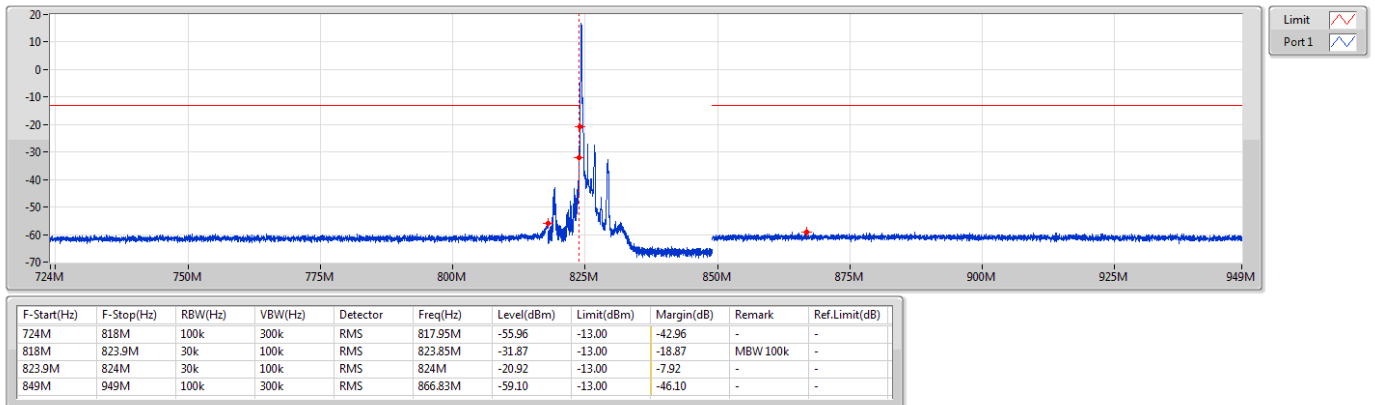
848.3MHz_16QAM_RB 6,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

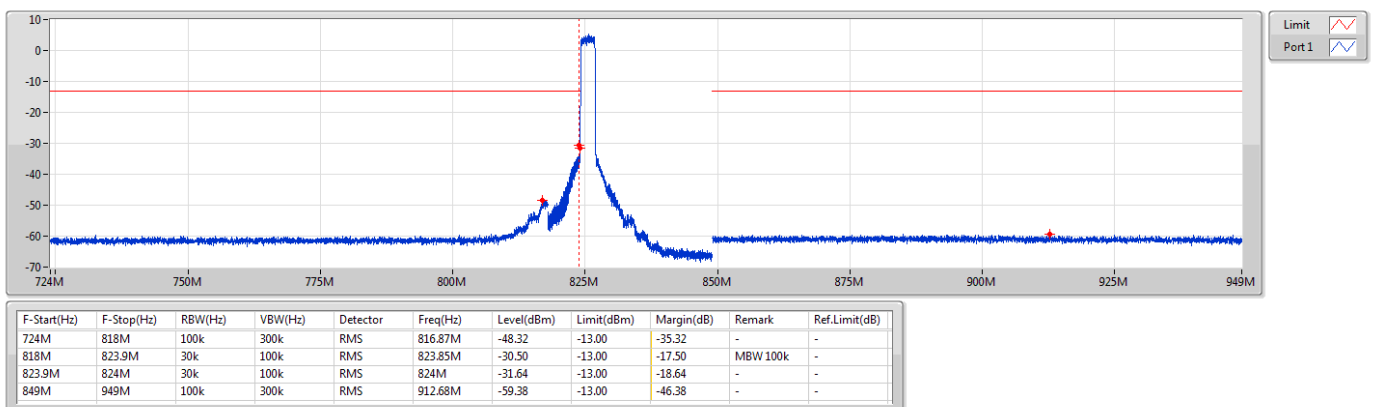
825.5MHz_QPSK_RB 1,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

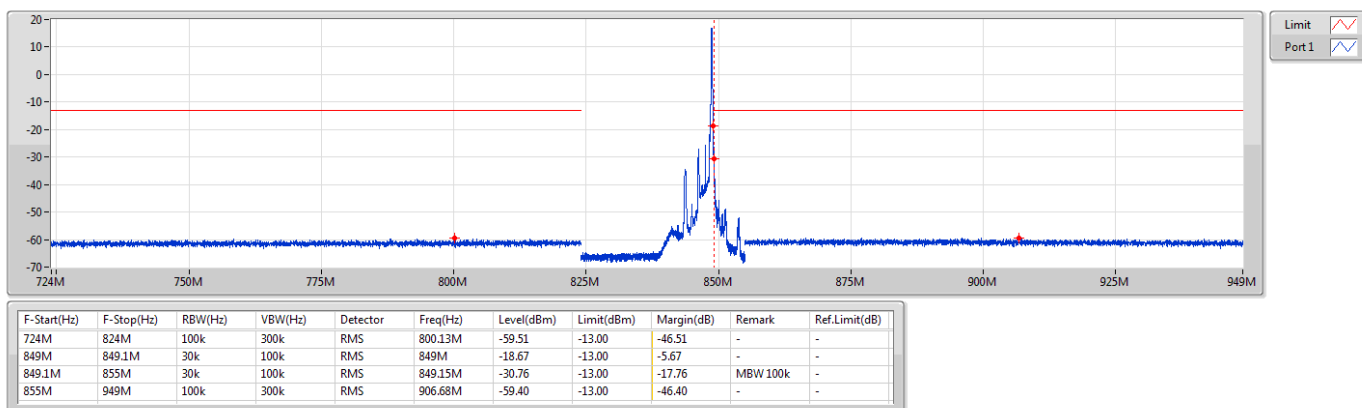
825.5MHz_QPSK_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

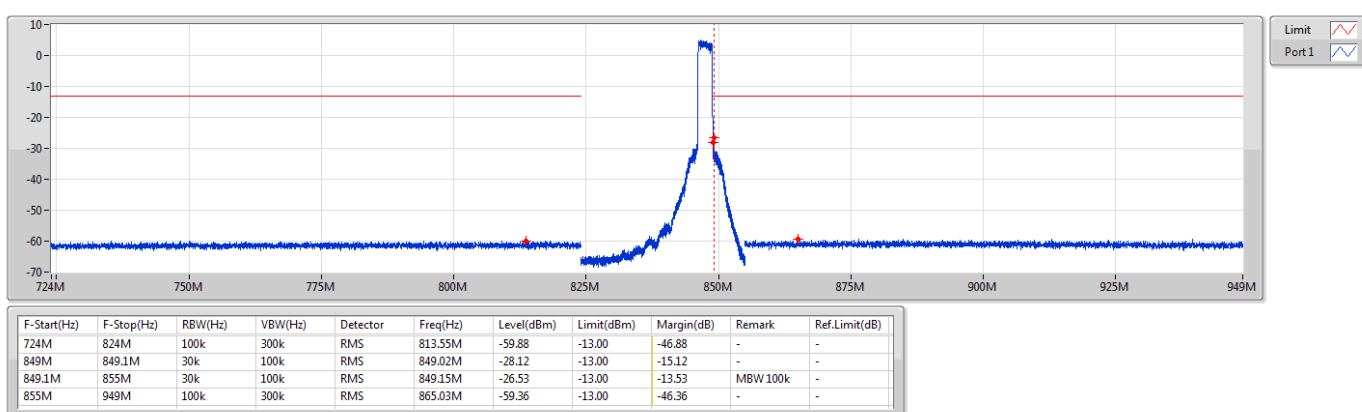
847.5MHz_QPSK_RB 1,#RB 14



Band 5_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

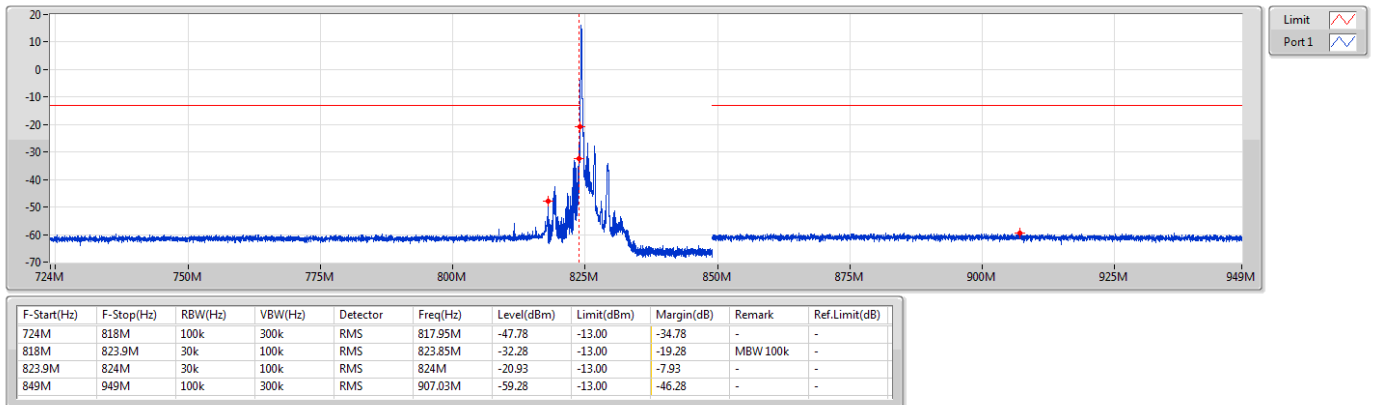
847.5MHz_QPSK_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

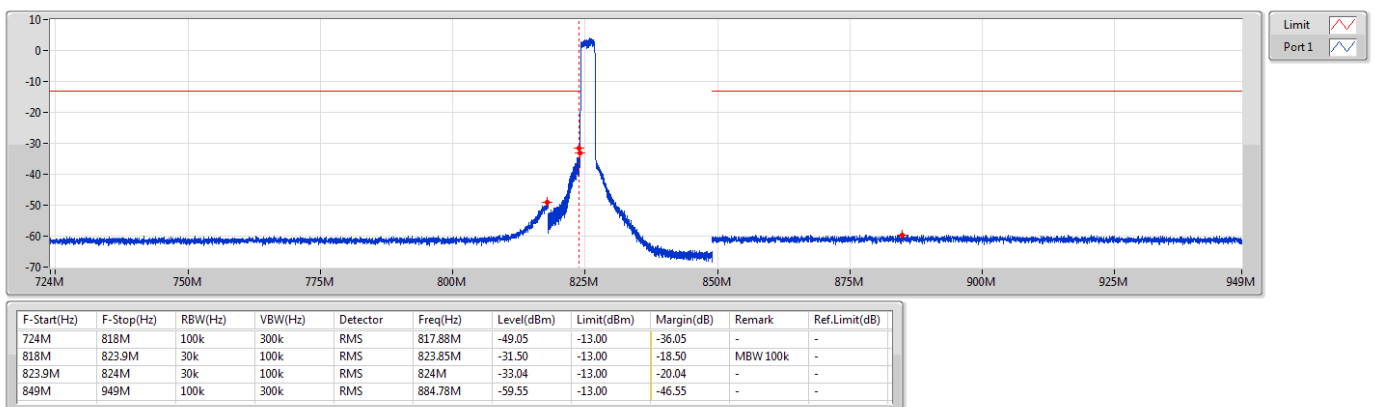
825.5MHz_16QAM_RB 1,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

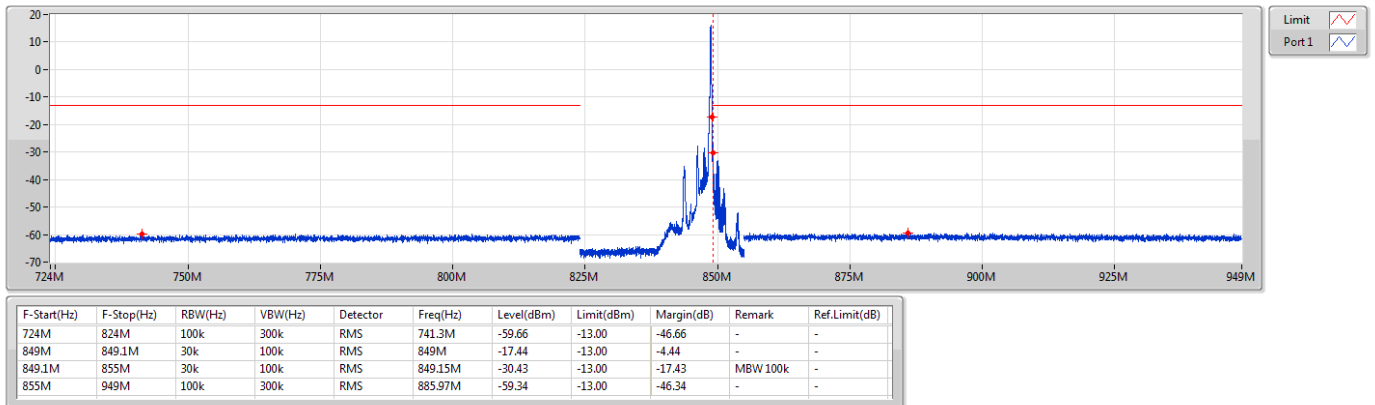
825.5MHz_16QAM_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

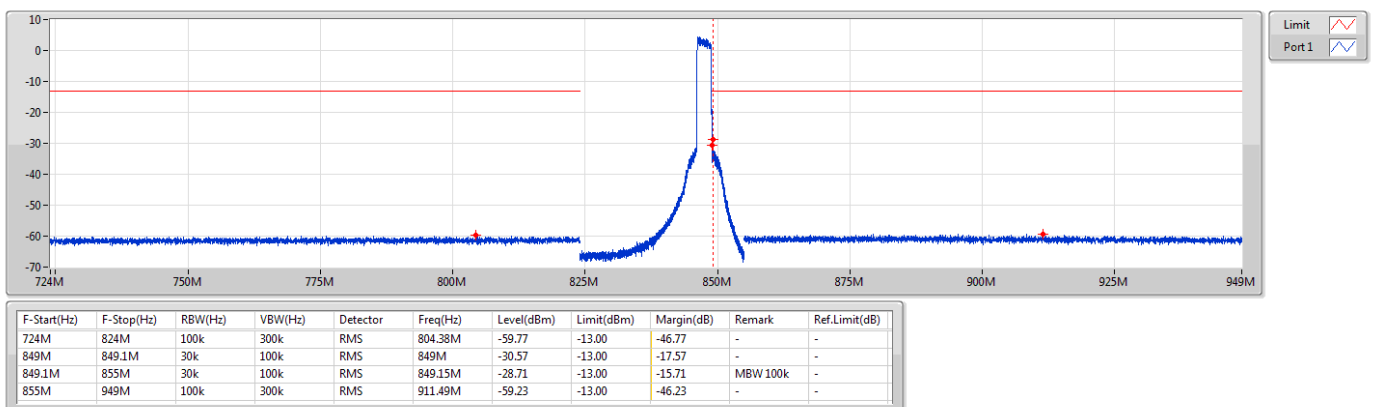
847.5MHz_16QAM_RB 1,#RB 14



Band 5_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

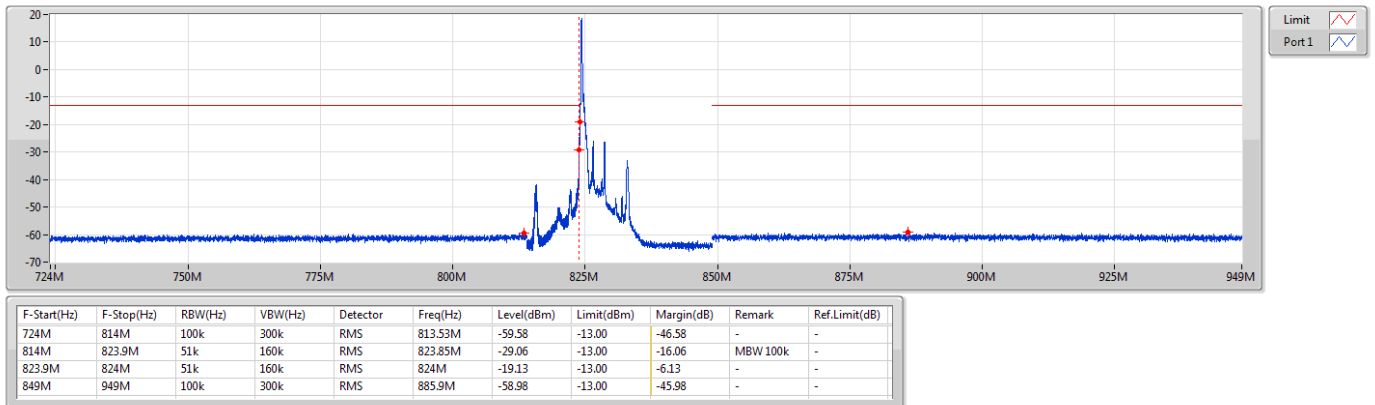
847.5MHz_16QAM_RB 15,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

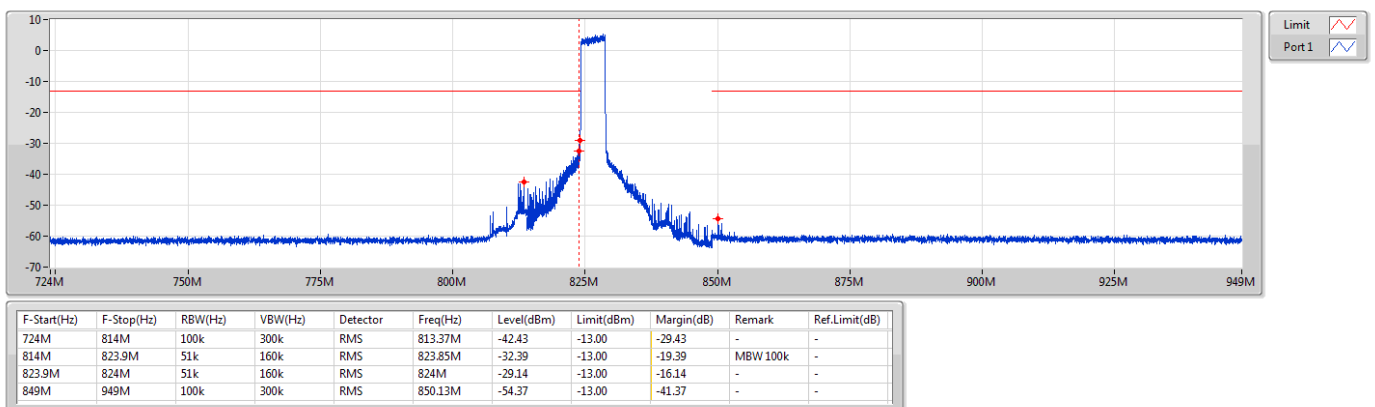
826.5MHz_QPSK_RB 1,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

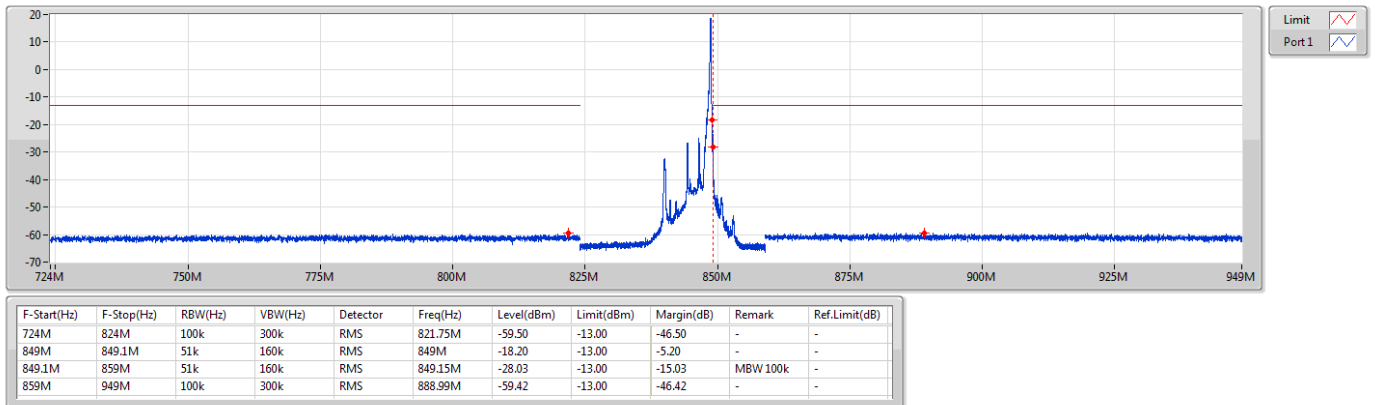
826.5MHz_QPSK_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

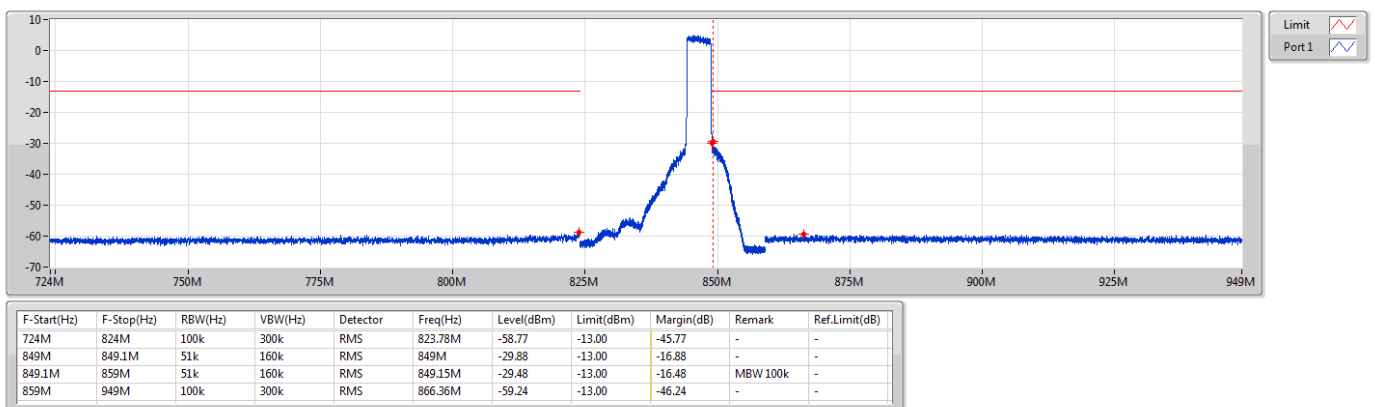
846.5MHz_QPSK_RB 1,#RB 24



Band 5_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

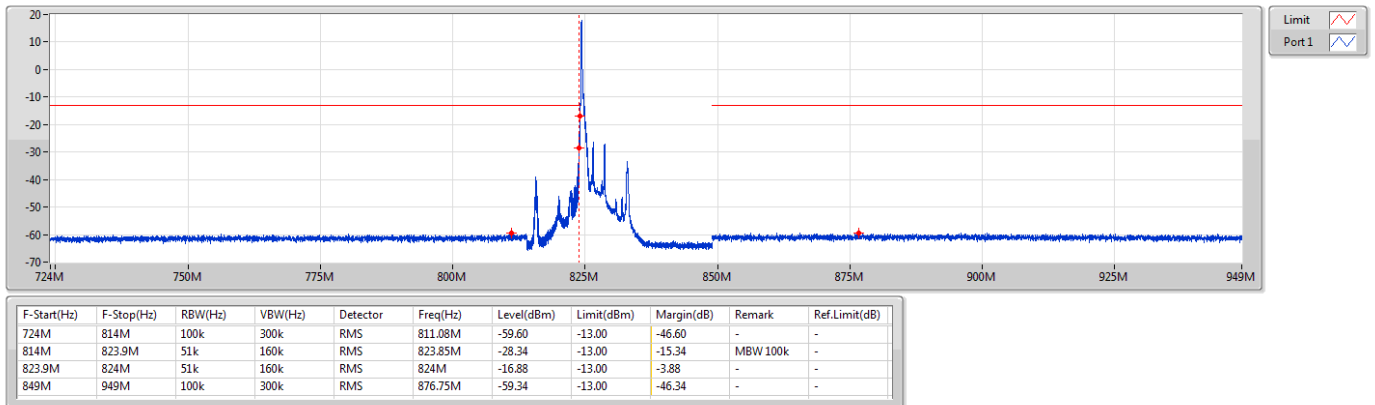
846.5MHz_QPSK_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

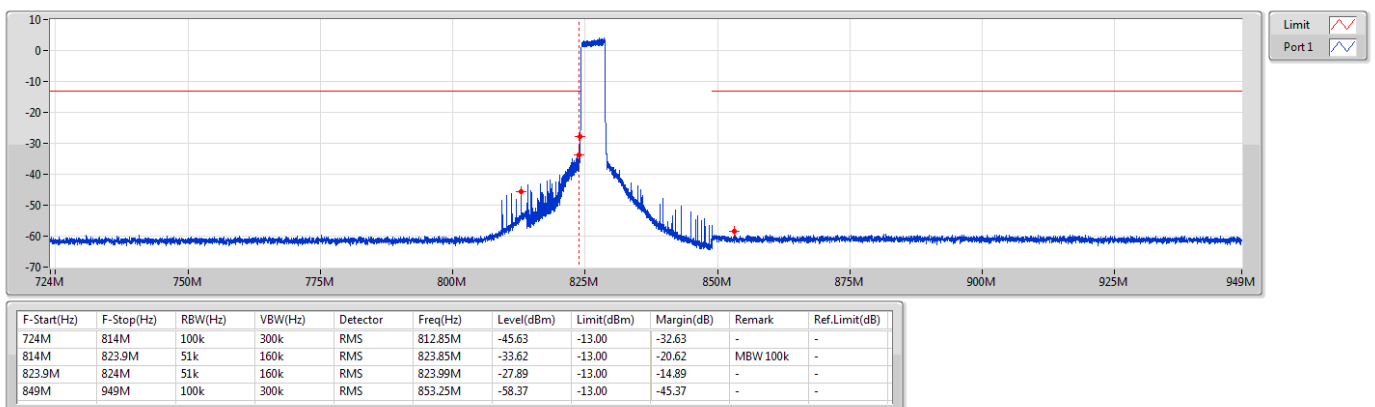
826.5MHz_16QAM_RB 1,#RB 0



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

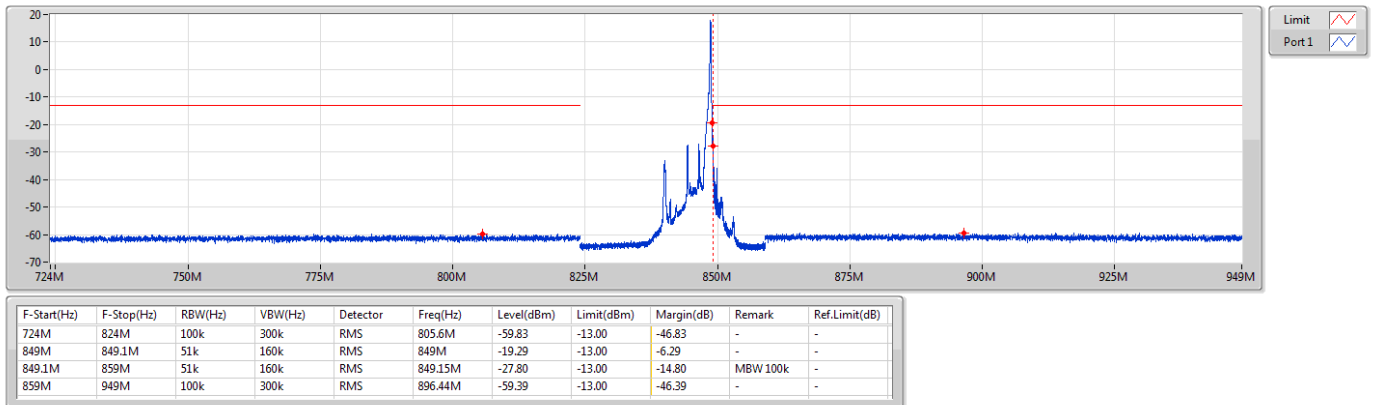
826.5MHz_16QAM_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

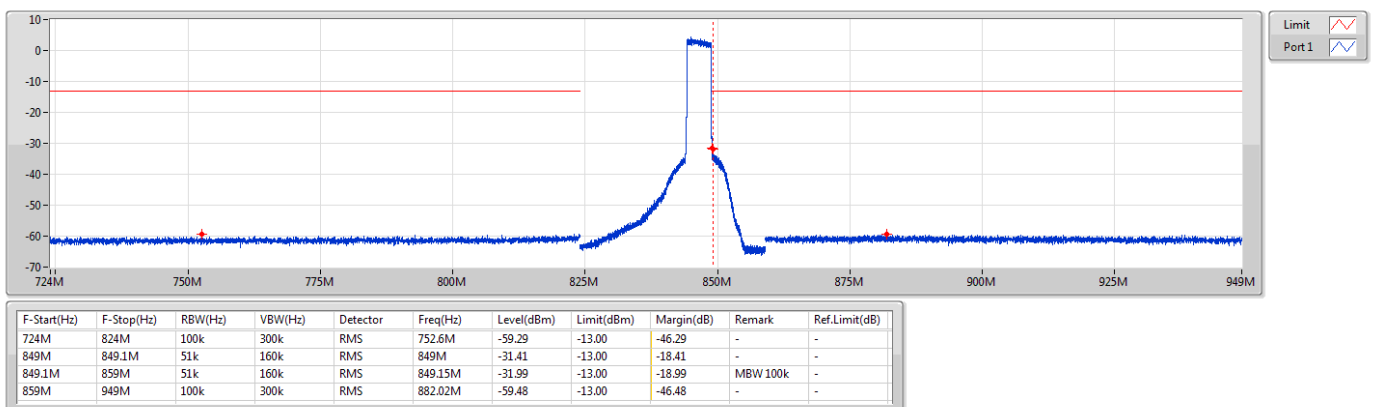
846.5MHz_16QAM_RB 1,#RB 24



Band 5_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

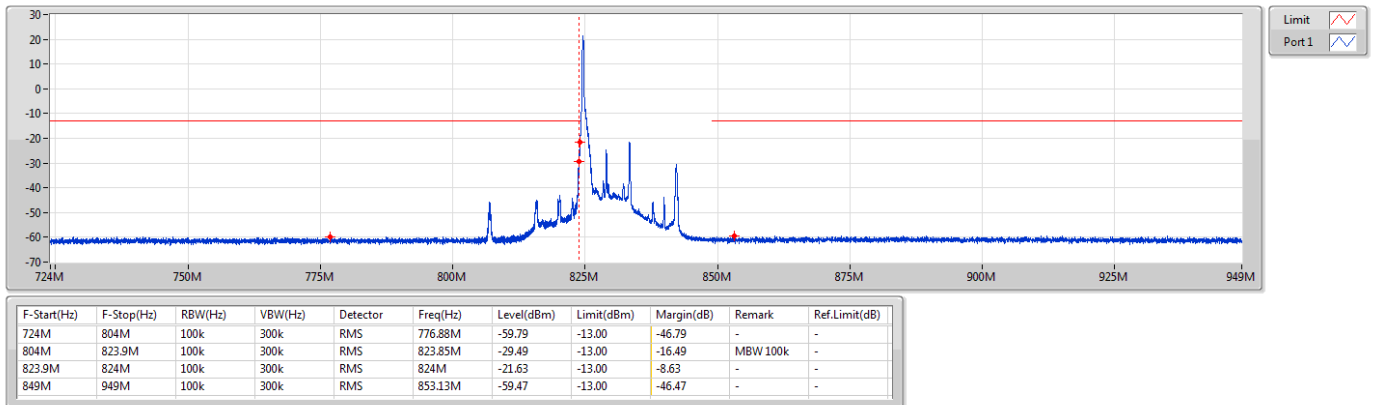
846.5MHz_16QAM_RB 25,#RB 0



Band 5_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

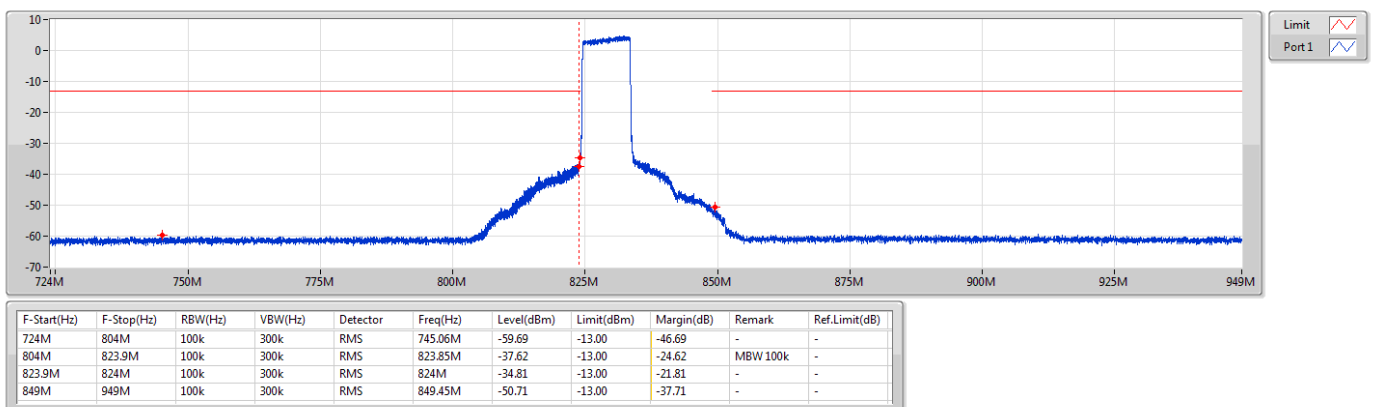
829MHz_QPSK_RB 1,#RB 0



Band 5_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

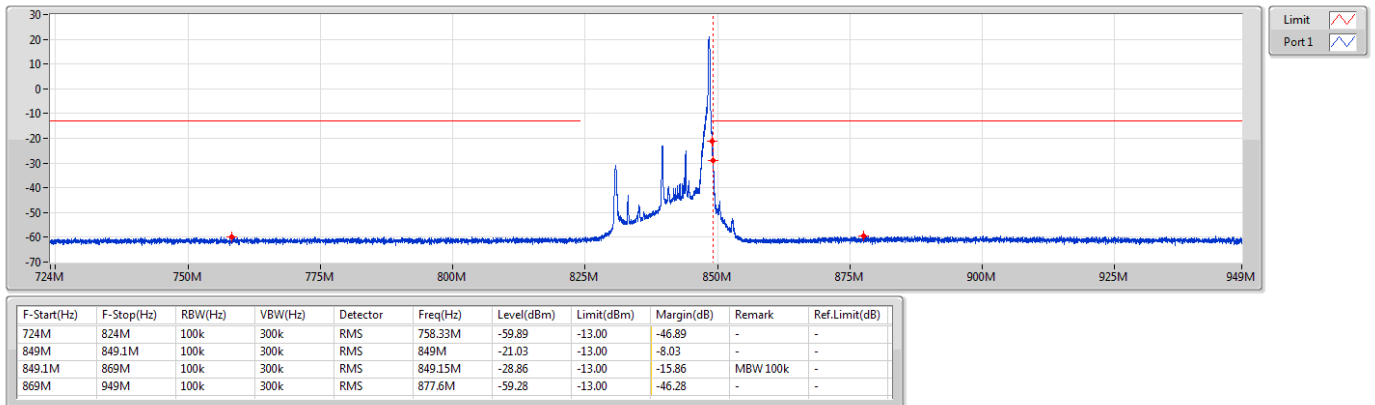
829MHz_QPSK_RB 50,#RB 0



Band 5_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

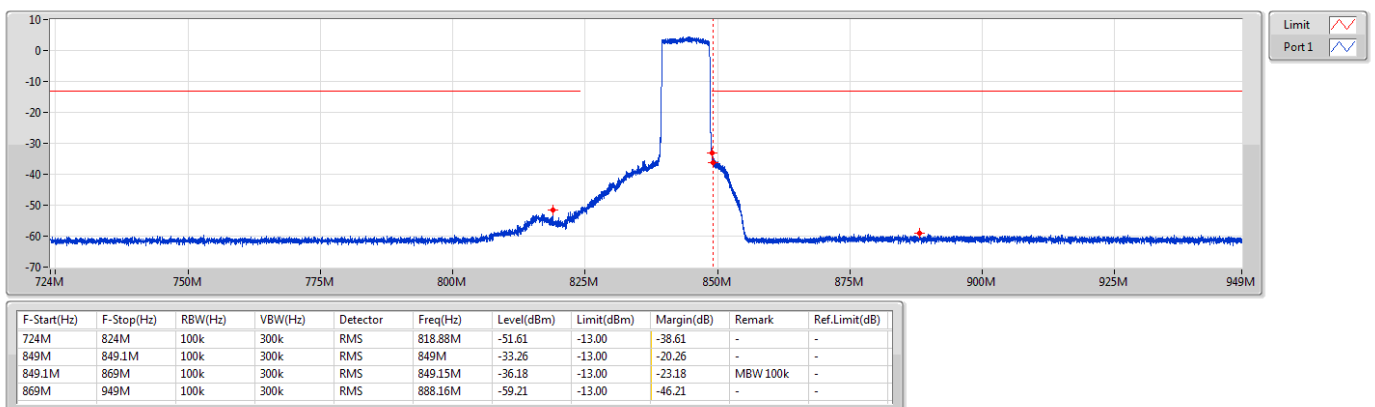
844MHz_QPSK_RB 1,#RB 49



Band 5_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

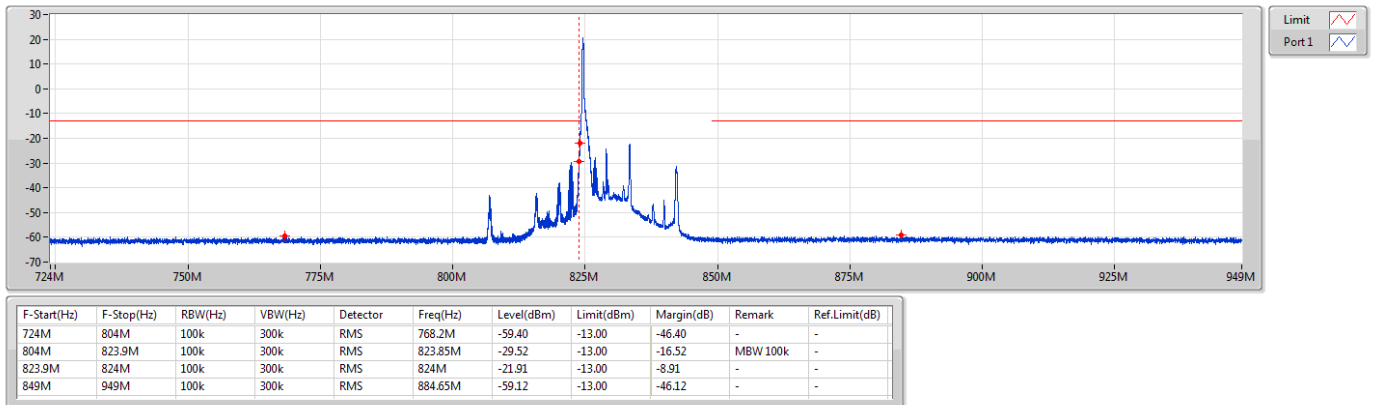
844MHz_QPSK_RB 50,#RB 0



Band 5_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Sum

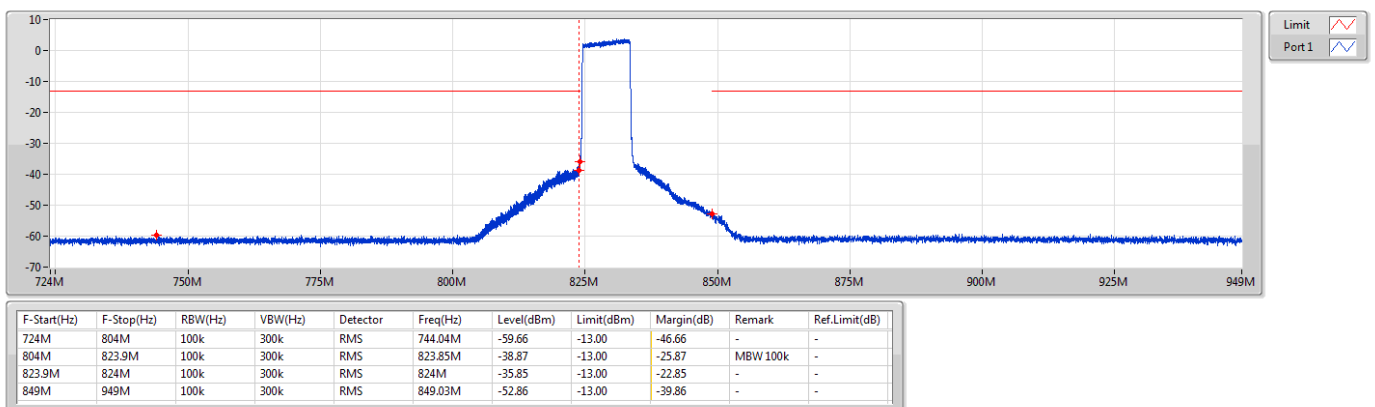
829MHz_16QAM_RB 1,#RB 0



Band 5_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Sum

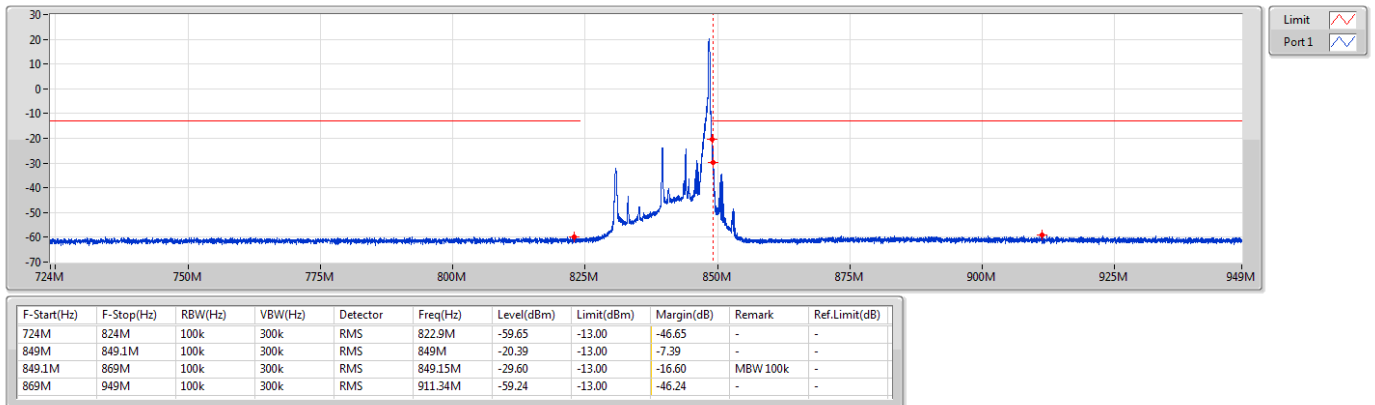
829MHz_16QAM_RB 50,#RB 0



Band 5_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Sum

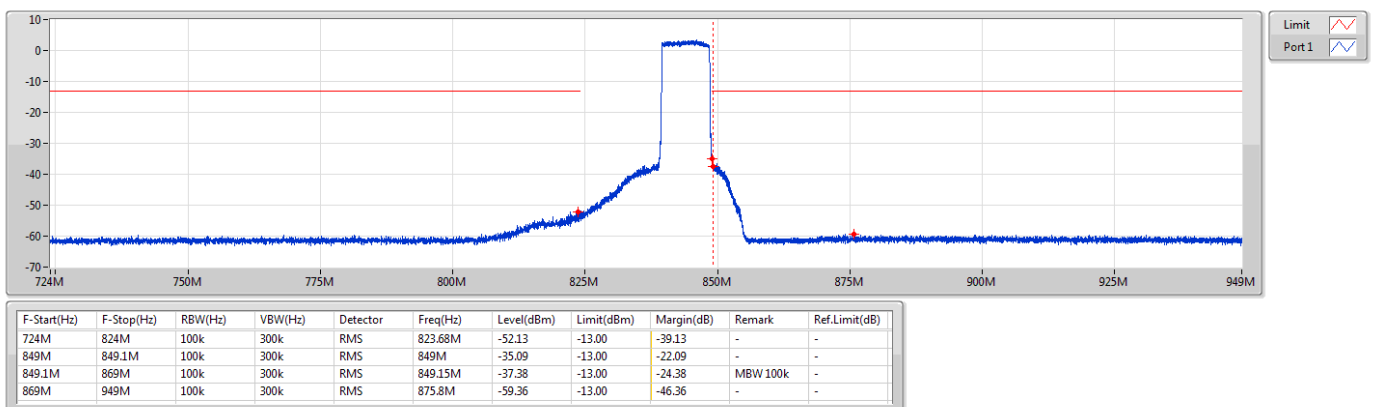
844MHz_16QAM_RB 1,#RB 49



Band 5_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Sum

844MHz_16QAM_RB 50,#RB 0



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 5	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	1.232M	1.08M	1M08G7D	1.227M	1.077M
LTE_1.4MHz_Nss1,16QAM_1TX	1.253M	1.079M	1M08W7D	1.241M	1.079M
LTE_3MHz_Nss1,QPSK_1TX	2.861M	2.673M	2M67G7D	2.816M	2.671M
LTE_3MHz_Nss1,16QAM_1TX	2.854M	2.676M	2M68W7D	2.843M	2.67M
LTE_5MHz_Nss1,QPSK_1TX	5.188M	4.465M	4M47G7D	4.806M	4.458M
LTE_5MHz_Nss1,16QAM_1TX	4.819M	4.467M	4M47W7D	4.763M	4.46M
LTE_10MHz_Nss1,QPSK_1TX	9.588M	8.927M	8M93G7D	9.45M	8.919M
LTE_10MHz_Nss1,16QAM_1TX	9.525M	8.91M	8M91W7D	9.425M	8.902M

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;

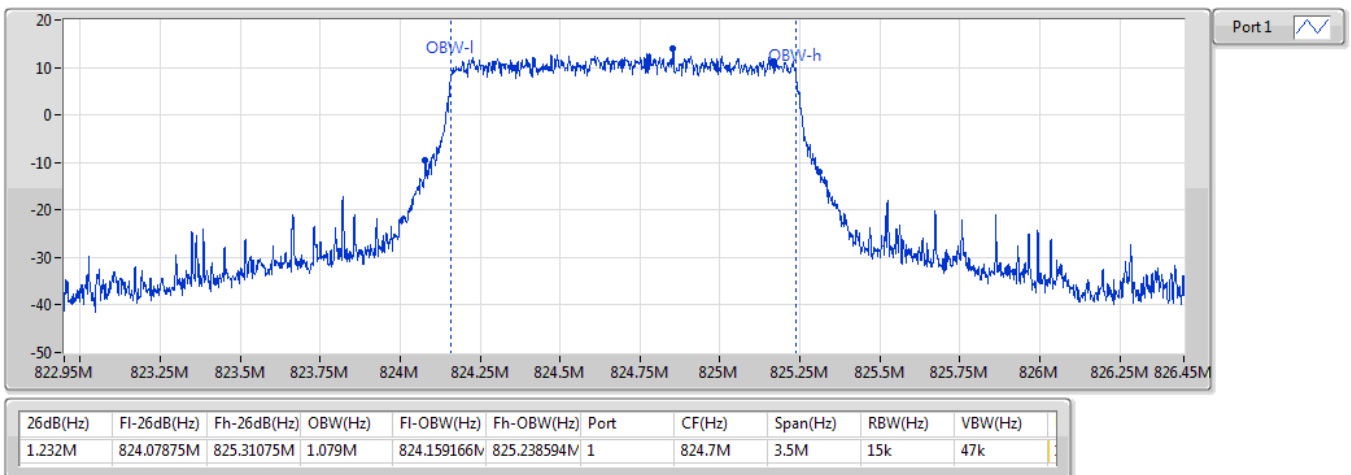
Result

Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 5_LTE_1.4MHz_Nss1_1TX	-	-	-	-
824.7MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.232M	1.079M
836.5MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.227M	1.077M
848.3MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.227M	1.08M
824.7MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.253M	1.079M
836.5MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.241M	1.079M
848.3MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.248M	1.079M
Band 5_LTE_3MHz_Nss1_1TX	-	-	-	-
825.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.816M	2.672M
836.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.839M	2.671M
847.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.861M	2.673M
825.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.854M	2.676M
836.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.843M	2.672M
847.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.846M	2.67M
Band 5_LTE_5MHz_Nss1_1TX	-	-	-	-
826.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.938M	4.463M
836.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	5.188M	4.465M
846.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.806M	4.458M
826.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.763M	4.467M
836.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.819M	4.464M
846.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.8M	4.46M
Band 5_LTE_10MHz_Nss1_1TX	-	-	-	-
829MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.525M	8.923M
836.5MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.588M	8.927M
844MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.45M	8.919M
829MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.525M	8.907M
836.5MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.425M	8.91M
844MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.488M	8.902M

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

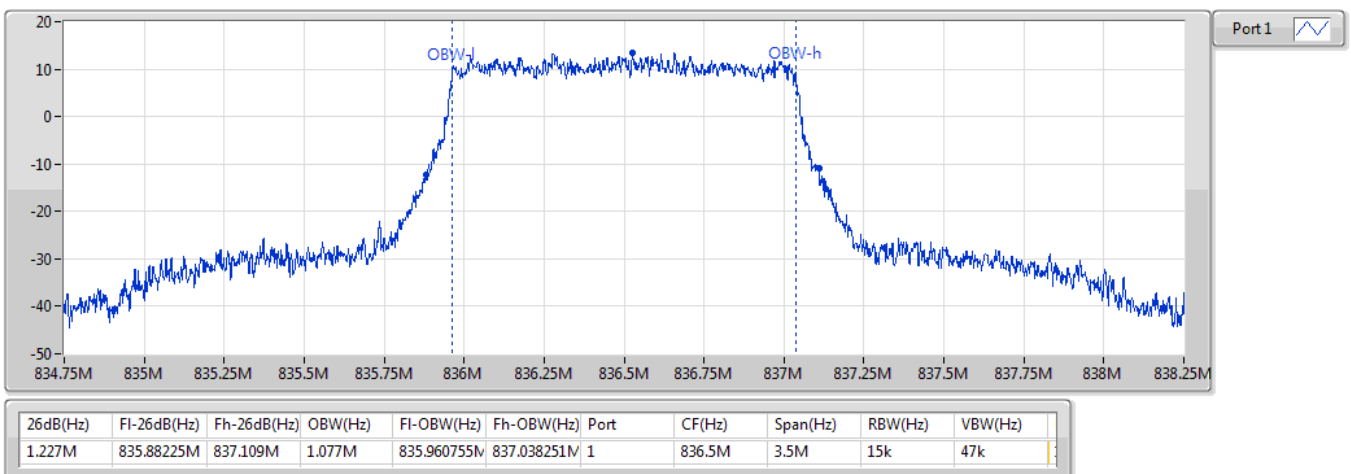
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
824.7MHz_QPSK_RB 6,#RB 0

EBW



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 6,#RB 0

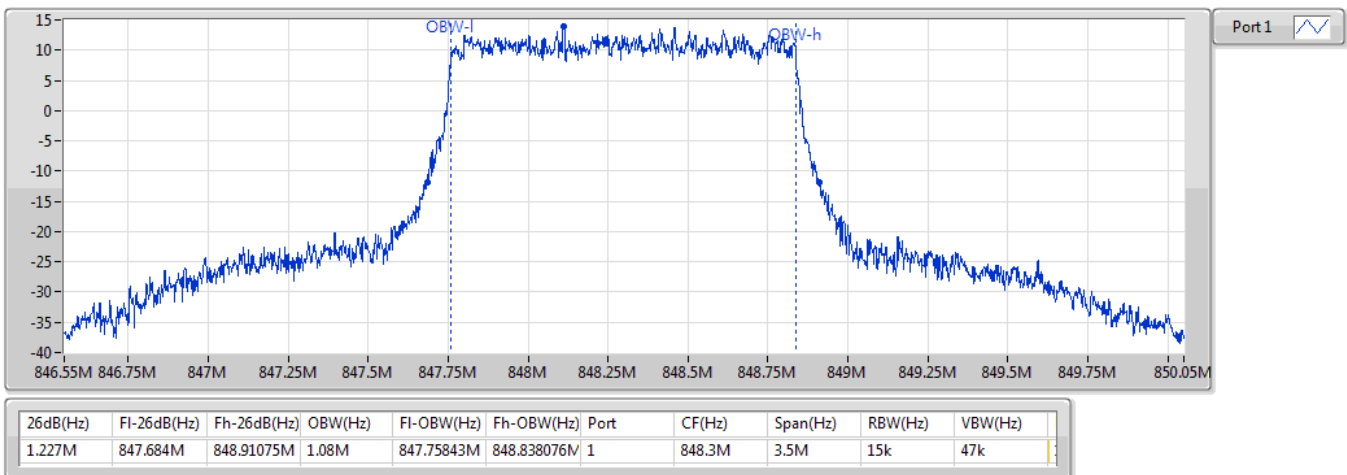
EBW



Band 5_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

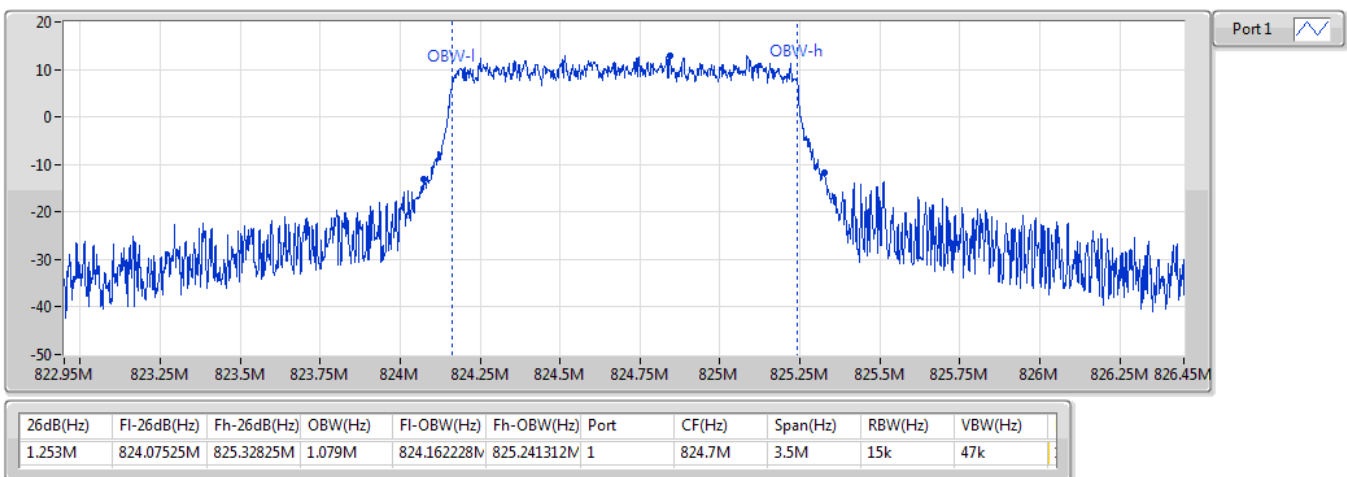
848.3MHz_QPSK_RB 6,#RB 0



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

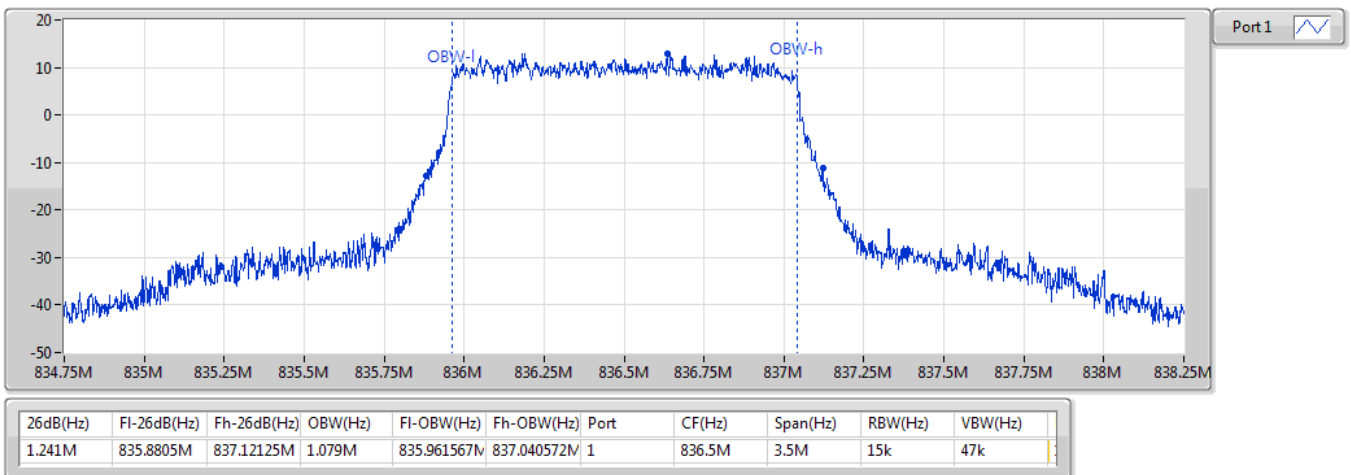
824.7MHz_16QAM_RB 6,#RB 0



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

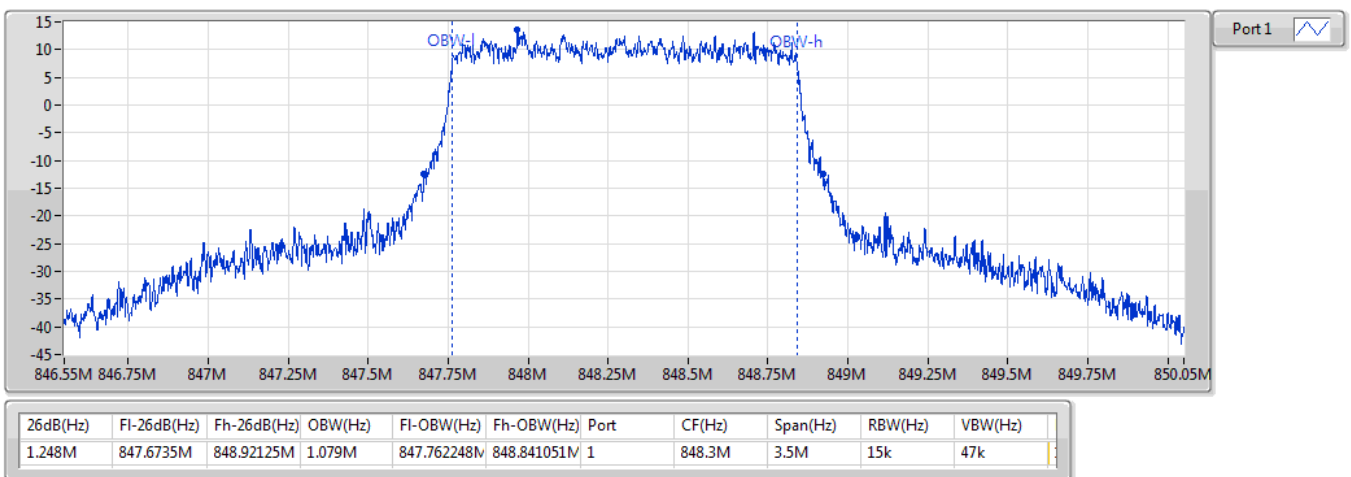
836.5MHz_16QAM_RB 6,#RB 0



Band 5_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

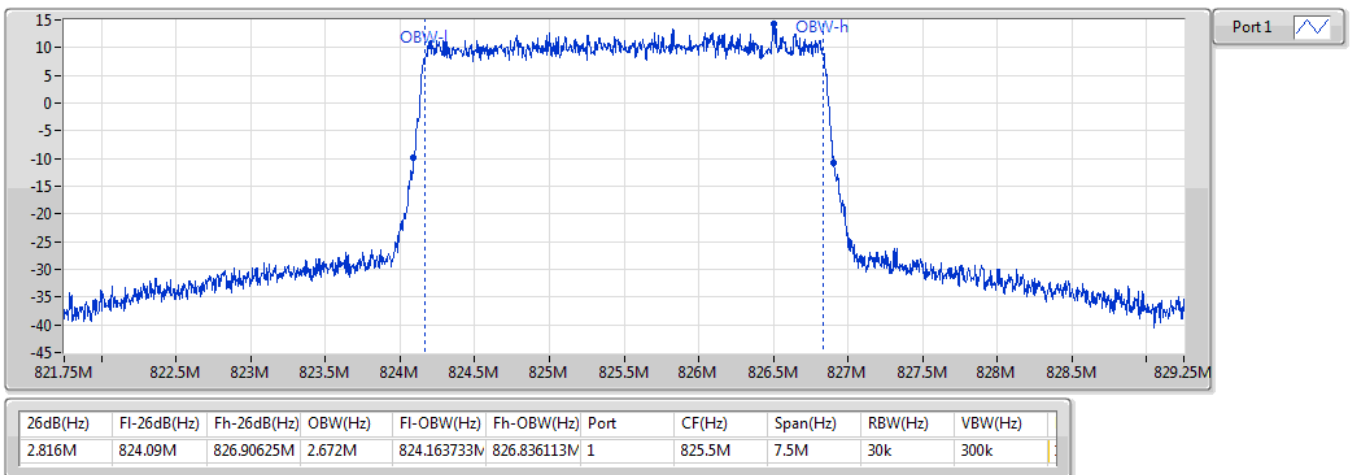
848.3MHz_16QAM_RB 6,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

EBW

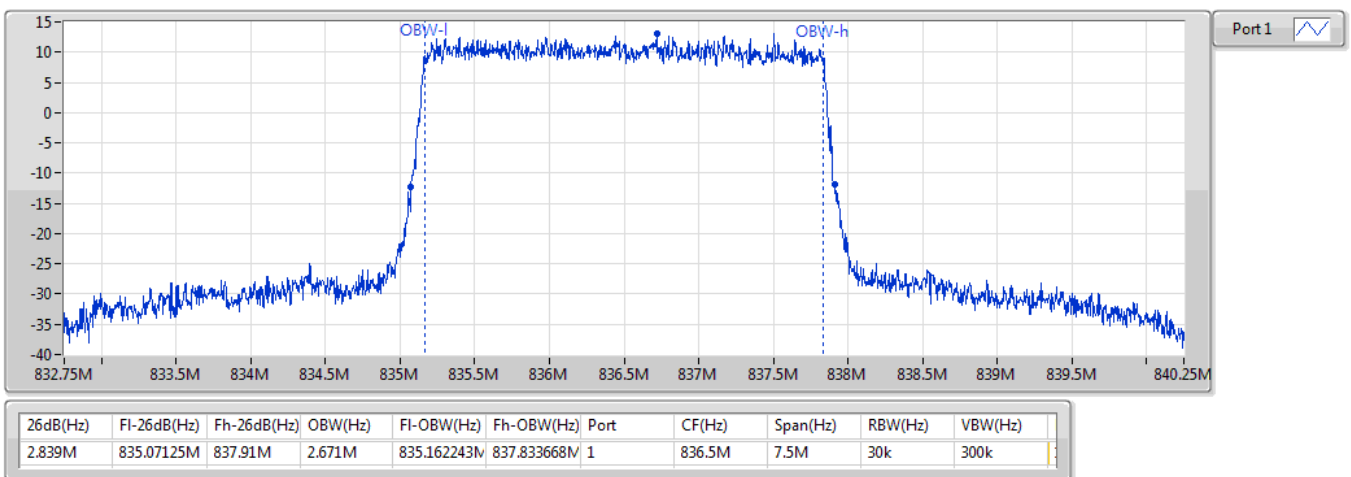
825.5MHz_QPSK_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

EBW

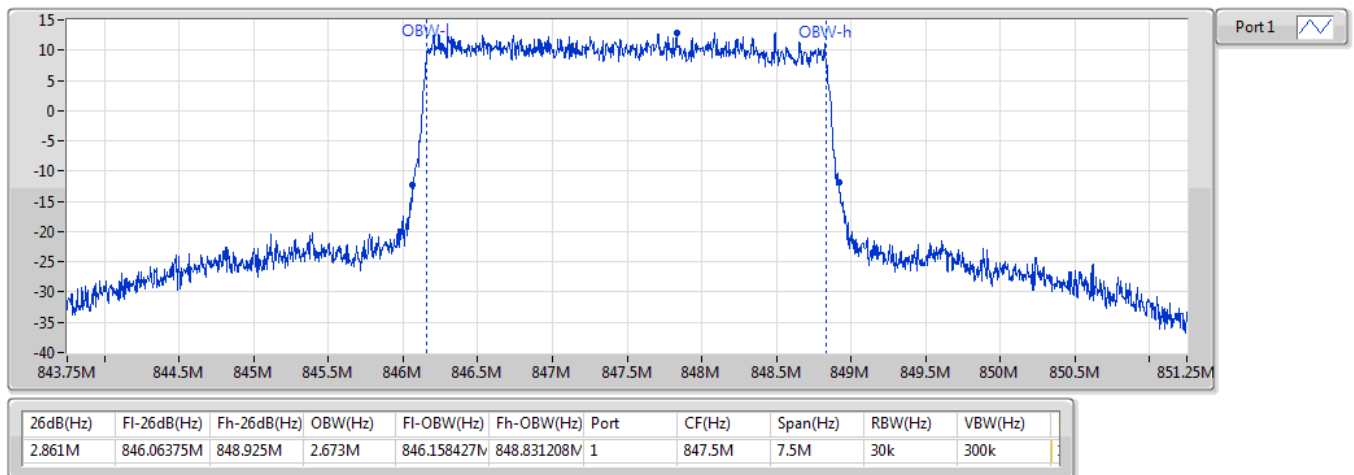
836.5MHz_QPSK_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,QPSK_1TX

EBW

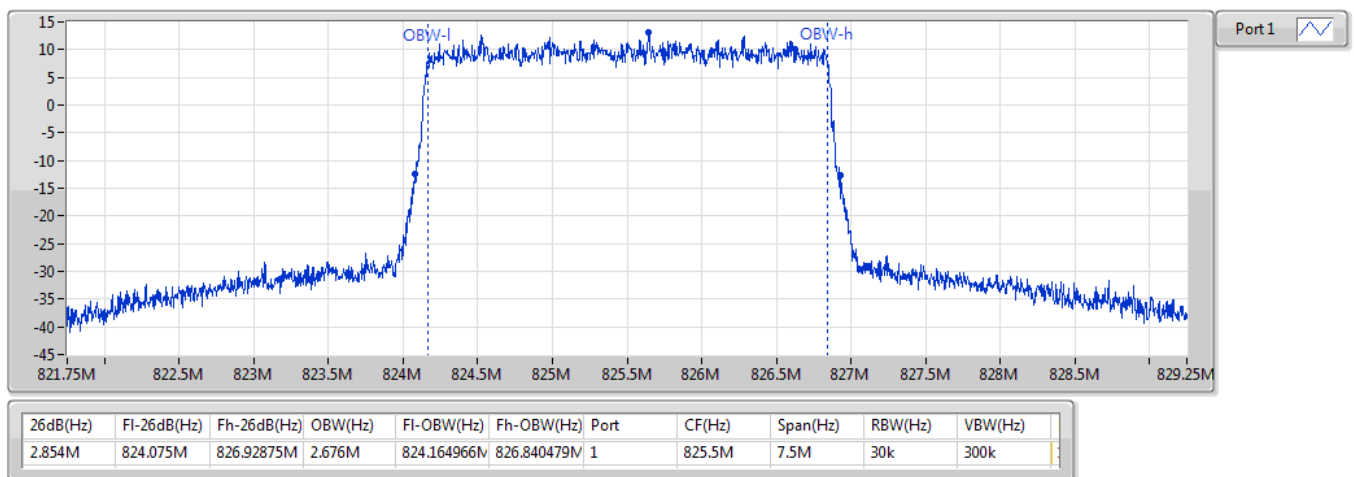
847.5MHz_QPSK_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

EBW

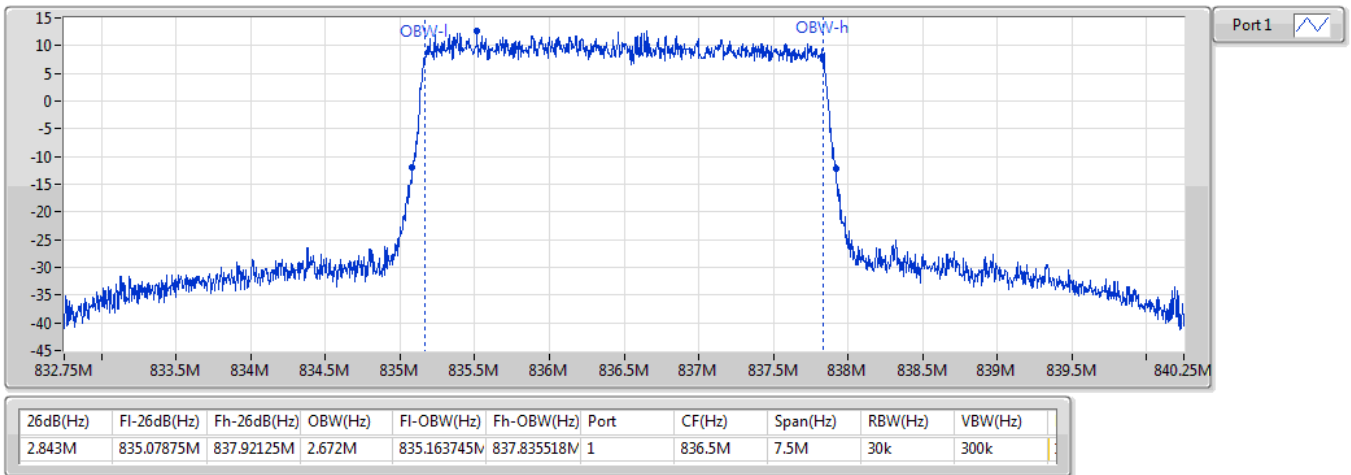
825.5MHz_16QAM_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

EBW

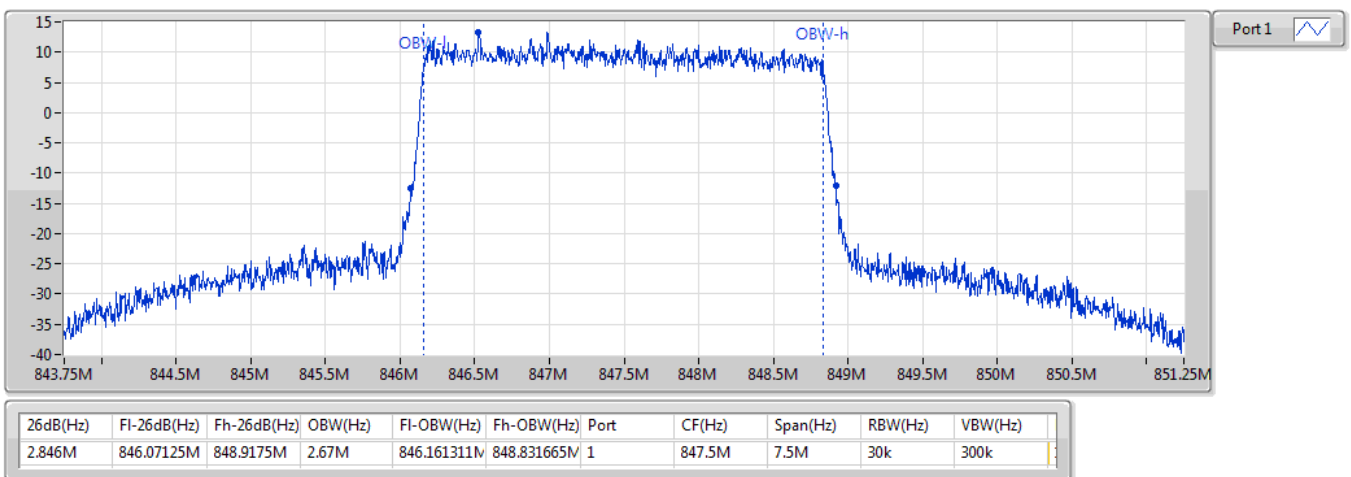
836.5MHz_16QAM_RB 15,#RB 0



Band 5_LTE_3MHz_Nss1,16QAM_1TX

EBW

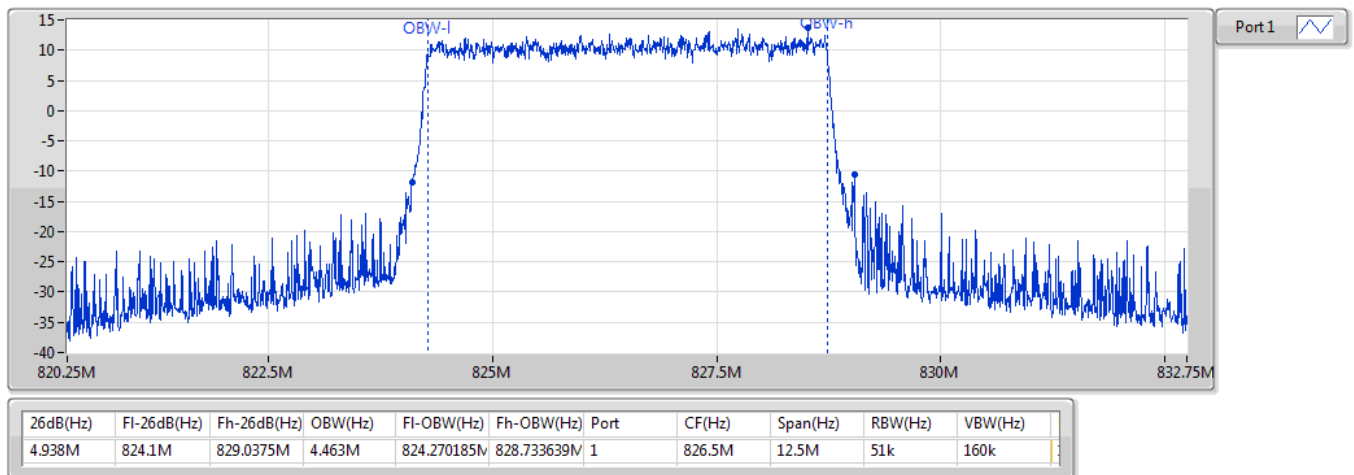
847.5MHz_16QAM_RB 15,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

EBW

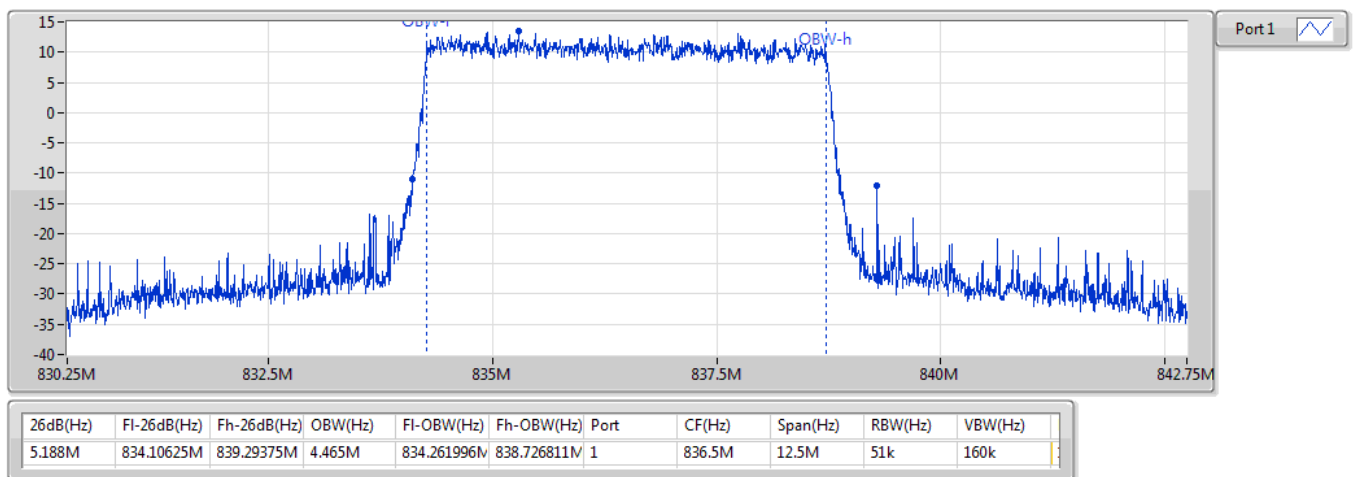
826.5MHz_QPSK_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

EBW

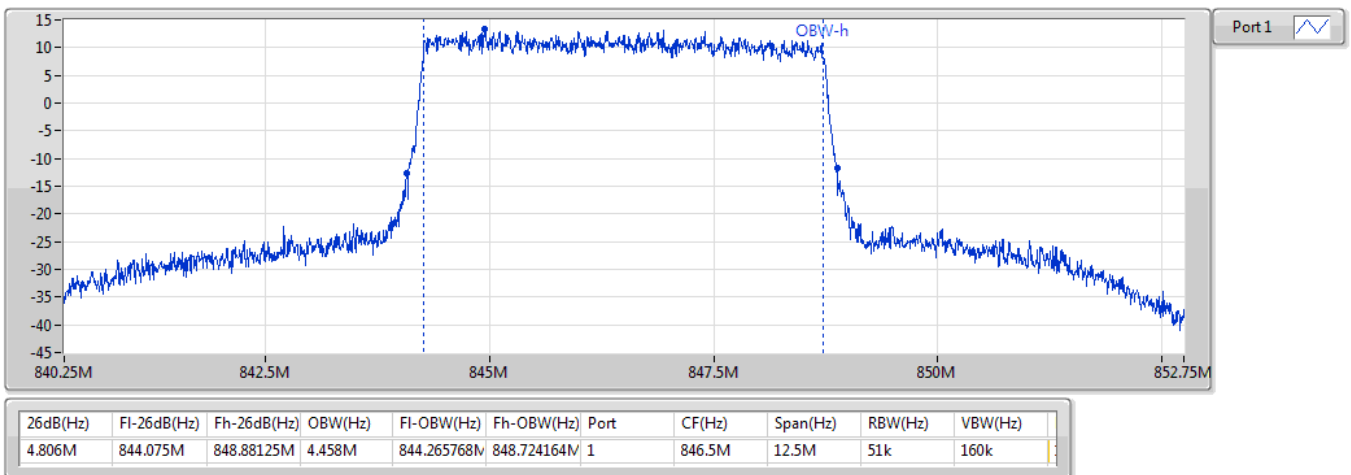
836.5MHz_QPSK_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,QPSK_1TX

EBW

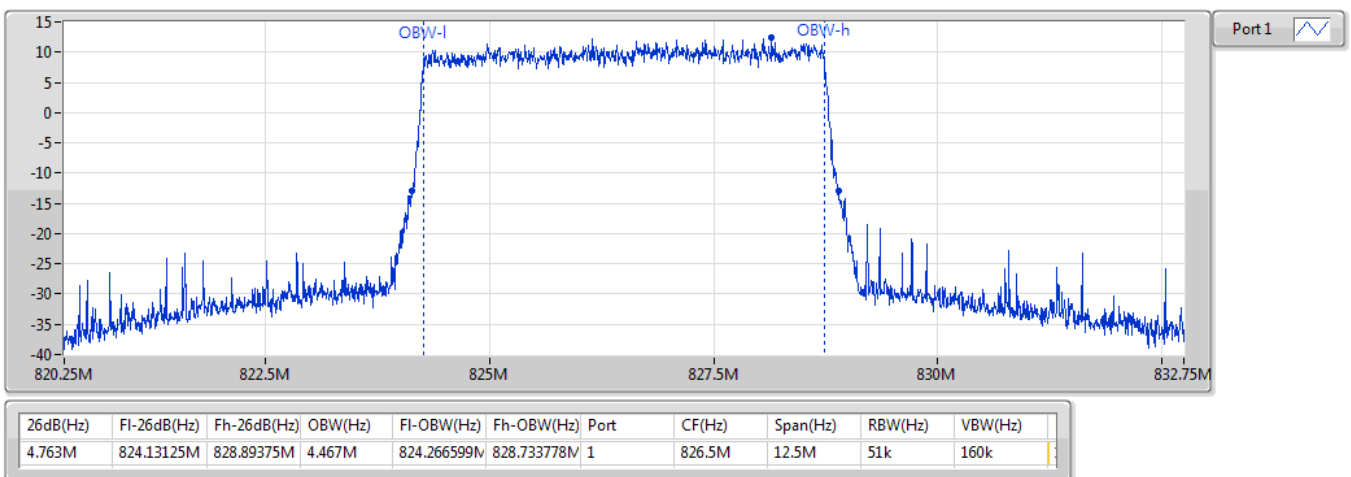
846.5MHz_QPSK_RB 25,#RB 0



Band 5_LTE_5MHz_Nss1,16QAM_1TX

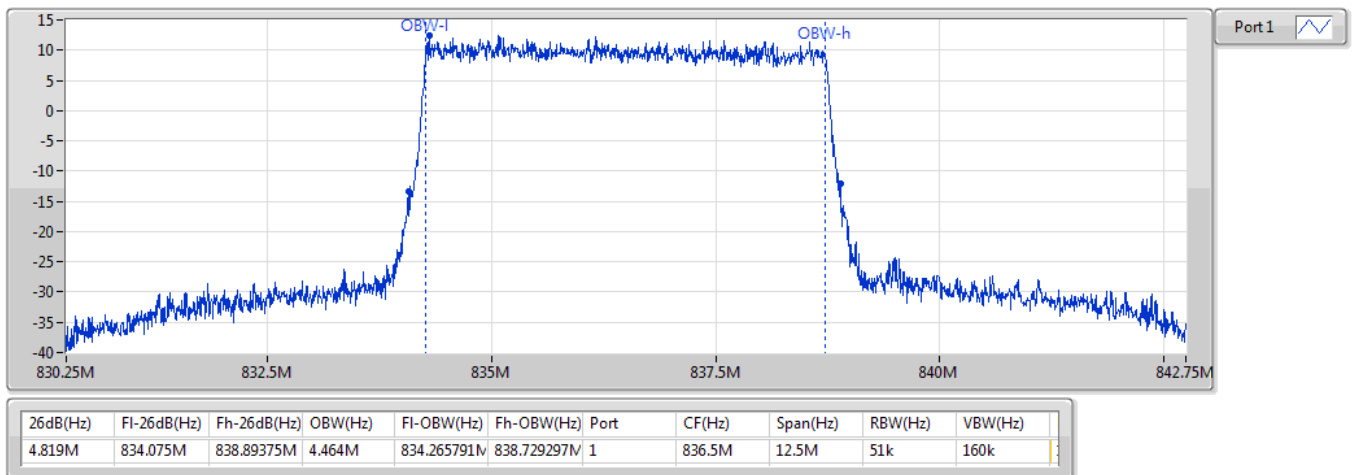
EBW

826.5MHz_16QAM_RB 25,#RB 0



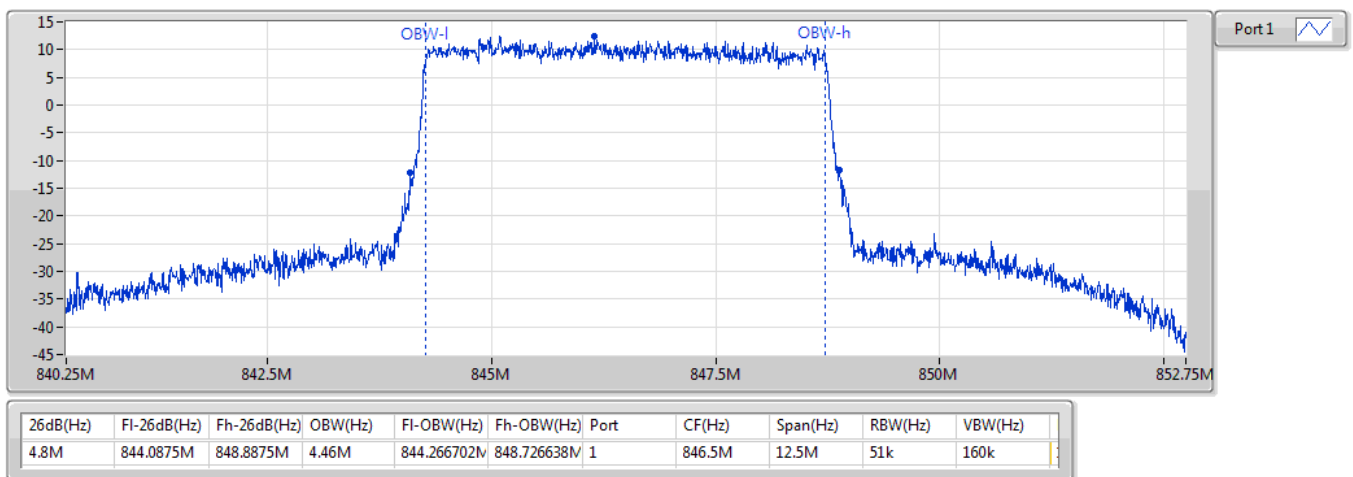
Band 5_LTE_5MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 25,#RB 0

EBW



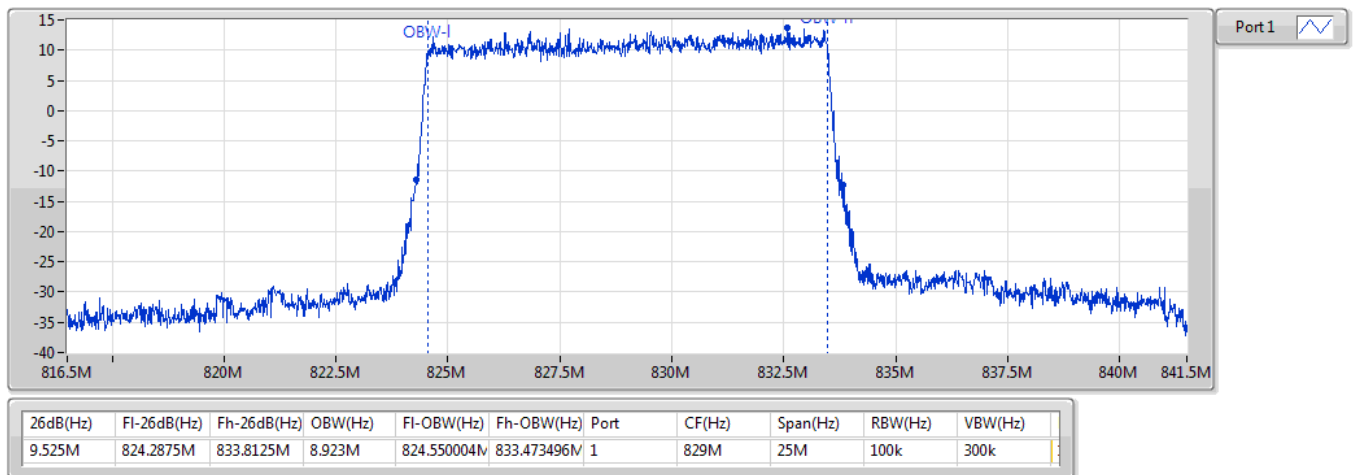
Band 5_LTE_5MHz_Nss1,16QAM_1TX
846.5MHz_16QAM_RB 25,#RB 0

EBW



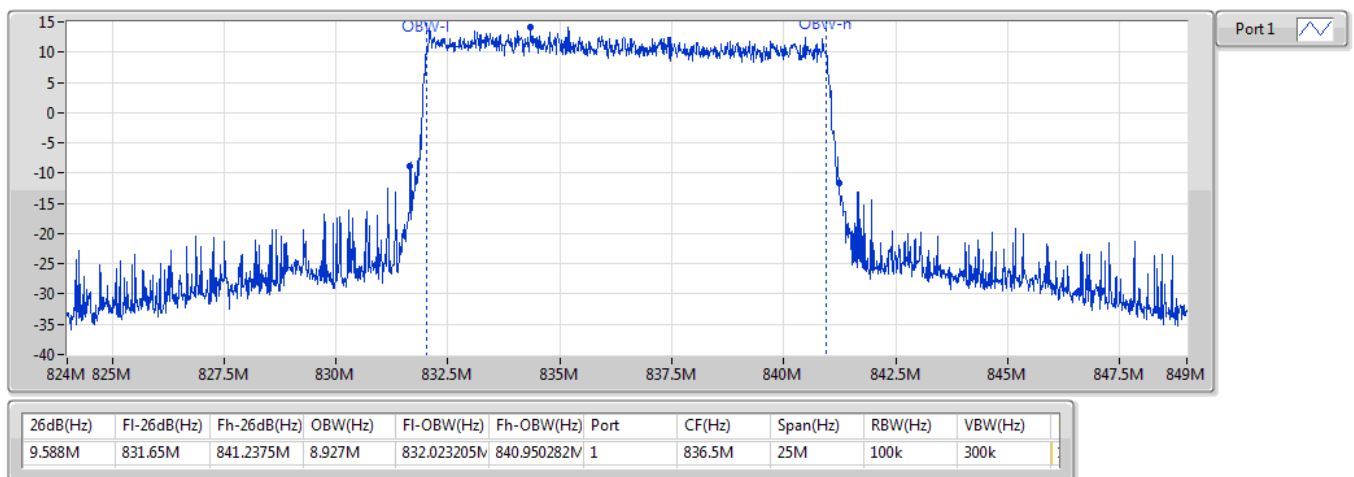
Band 5_LTE_10MHz_Nss1,QPSK_1TX
829MHz_QPSK_RB 50,#RB 0

EBW



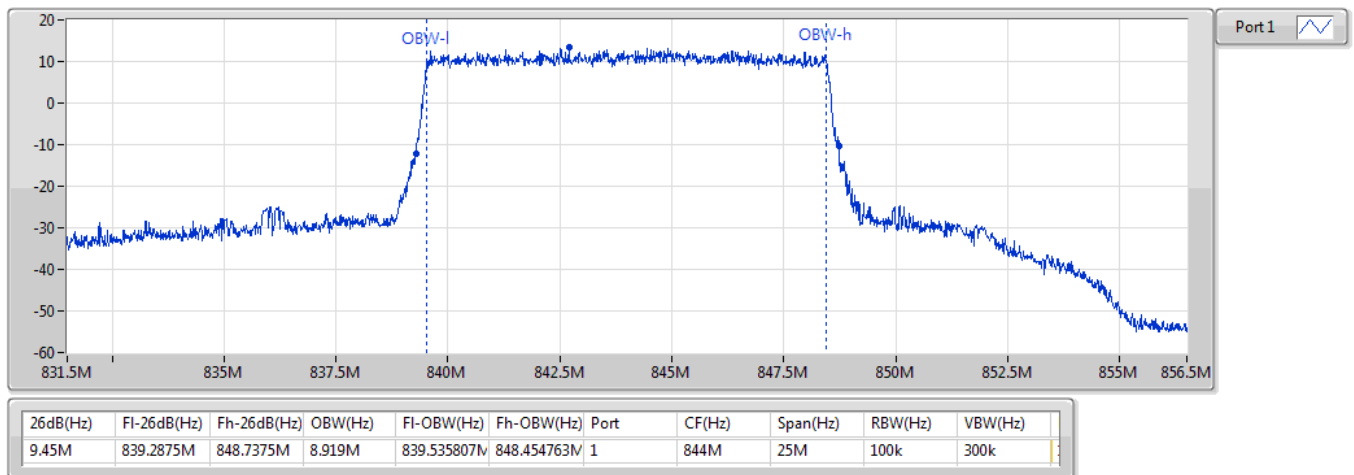
Band 5_LTE_10MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 50,#RB 0

EBW



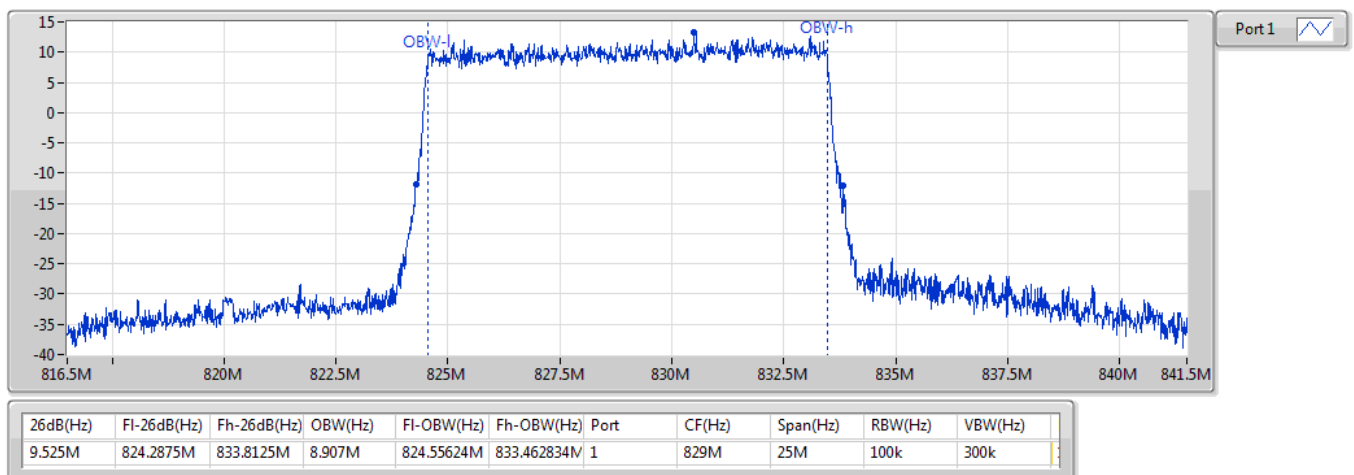
Band 5_LTE_10MHz_Nss1,QPSK_1TX
844MHz_QPSK_RB 50,#RB 0

EBW



Band 5_LTE_10MHz_Nss1,16QAM_1TX
829MHz_16QAM_RB 50,#RB 0

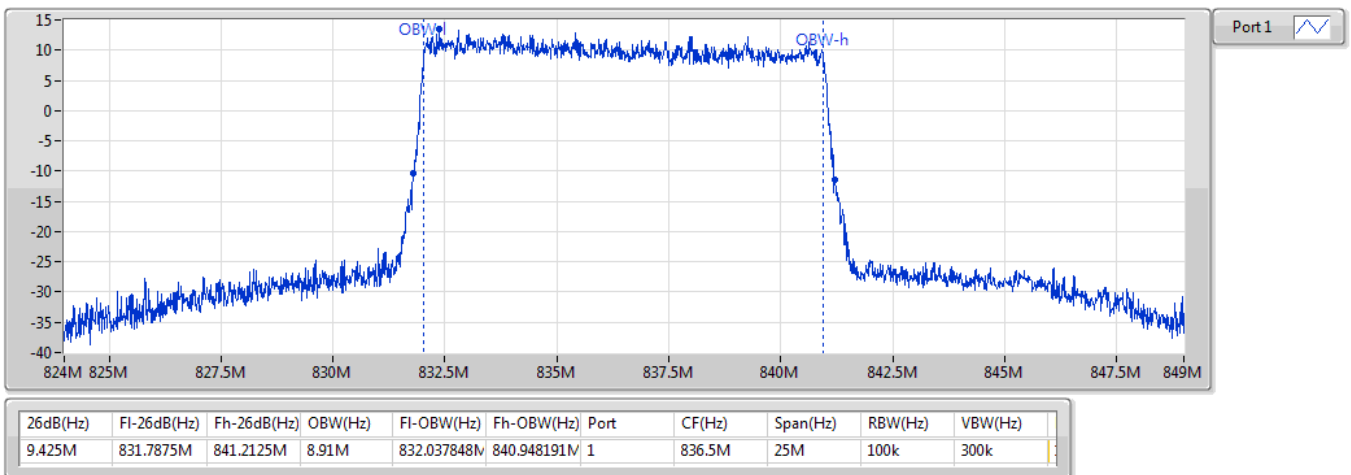
EBW



Band 5_LTE_10MHz_Nss1,16QAM_1TX

EBW

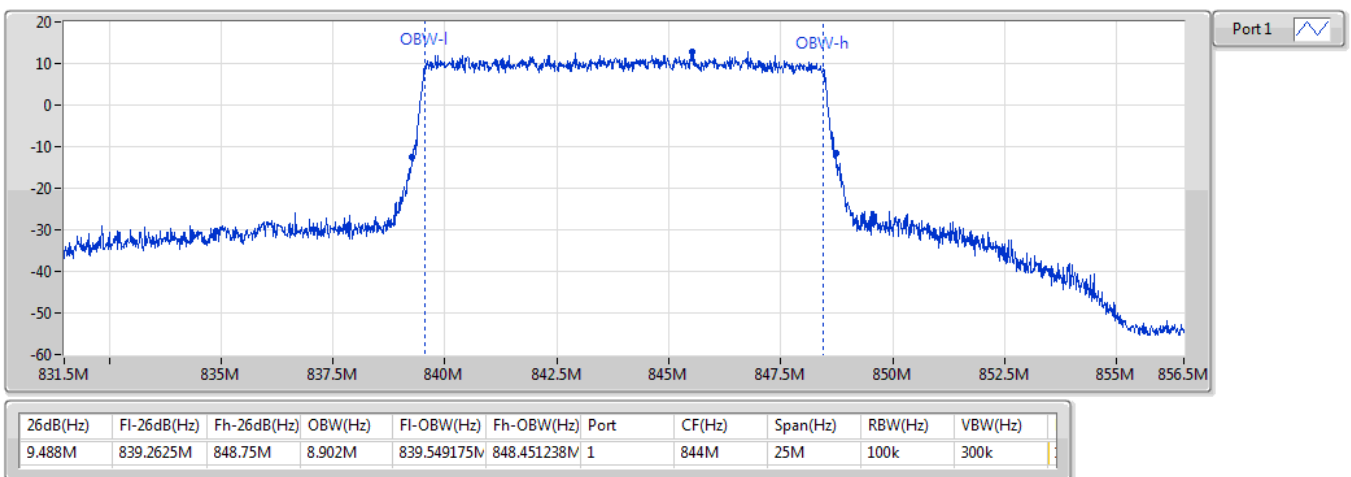
836.5MHz_16QAM_RB 50,#RB 0



Band 5_LTE_10MHz_Nss1,16QAM_1TX

EBW

844MHz_16QAM_RB 50,#RB 0



**Summary**

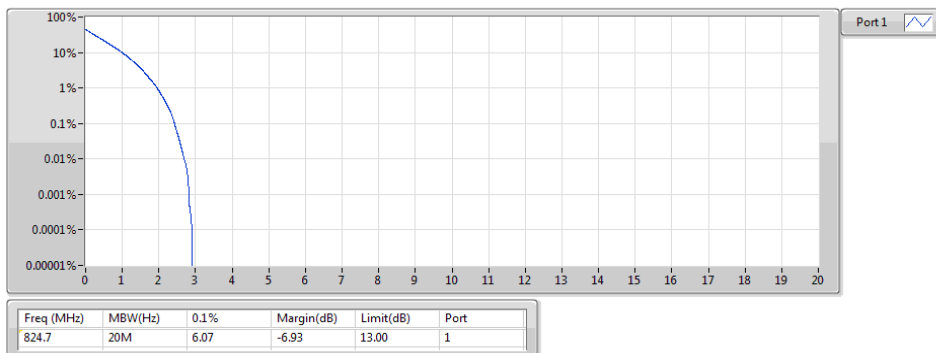
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	824.7	13.00	6.07	1
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	824.7	13.00	6.79	1
LTE_3MHz_Nss1,QPSK_1TX	Pass	825.5	13.00	6.01	1
LTE_3MHz_Nss1,16QAM_1TX	Pass	825.5	13.00	6.78	1
LTE_5MHz_Nss1,QPSK_1TX	Pass	826.5	13.00	5.92	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	826.5	13.00	6.58	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	829	13.00	5.50	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	829	13.00	6.21	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-
824.7MHz_QPSK_RB 6,#RB 0	Pass	824.7	13.00	6.07	1
836.5MHz_QPSK_RB 6,#RB 0	Pass	836.5	13.00	5.30	1
848.3MHz_QPSK_RB 6,#RB 0	Pass	848.3	13.00	4.63	1
824.7MHz_16QAM_RB 6,#RB 0	Pass	824.7	13.00	6.79	1
836.5MHz_16QAM_RB 6,#RB 0	Pass	836.5	13.00	6.08	1
848.3MHz_16QAM_RB 6,#RB 0	Pass	848.3	13.00	5.42	1
Band 5_LTE_3MHz_Nss1_1TX	-	-	-	-	-
825.5MHz_QPSK_RB 15,#RB 0	Pass	825.5	13.00	6.01	1
836.5MHz_QPSK_RB 15,#RB 0	Pass	836.5	13.00	5.29	1
847.5MHz_QPSK_RB 15,#RB 0	Pass	847.5	13.00	4.63	1
825.5MHz_16QAM_RB 15,#RB 0	Pass	825.5	13.00	6.78	1
836.5MHz_16QAM_RB 15,#RB 0	Pass	836.5	13.00	6.09	1
847.5MHz_16QAM_RB 15,#RB 0	Pass	847.5	13.00	5.47	1
Band 5_LTE_5MHz_Nss1_1TX	-	-	-	-	-
826.5MHz_QPSK_RB 25,#RB 0	Pass	826.5	13.00	5.92	1
836.5MHz_QPSK_RB 25,#RB 0	Pass	836.5	13.00	5.30	1
846.5MHz_QPSK_RB 25,#RB 0	Pass	846.5	13.00	4.92	1
826.5MHz_16QAM_RB 25,#RB 0	Pass	826.5	13.00	6.58	1
836.5MHz_16QAM_RB 25,#RB 0	Pass	836.5	13.00	5.98	1
846.5MHz_16QAM_RB 25,#RB 0	Pass	846.5	13.00	5.65	1
Band 5_LTE_10MHz_Nss1_1TX	-	-	-	-	-
829MHz_QPSK_RB 50,#RB 0	Pass	829	13.00	5.50	1
836.5MHz_QPSK_RB 50,#RB 0	Pass	836.5	13.00	5.40	1
844MHz_QPSK_RB 50,#RB 0	Pass	844	13.00	5.39	1
829MHz_16QAM_RB 50,#RB 0	Pass	829	13.00	6.21	1
836.5MHz_16QAM_RB 50,#RB 0	Pass	836.5	13.00	6.05	1
844MHz_16QAM_RB 50,#RB 0	Pass	844	13.00	6.12	1

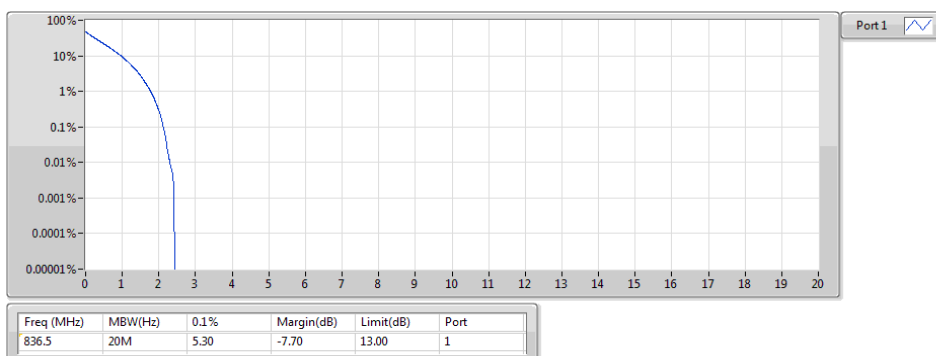
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
824.7MHz_QPSK_RB 6,#RB 0

PAR



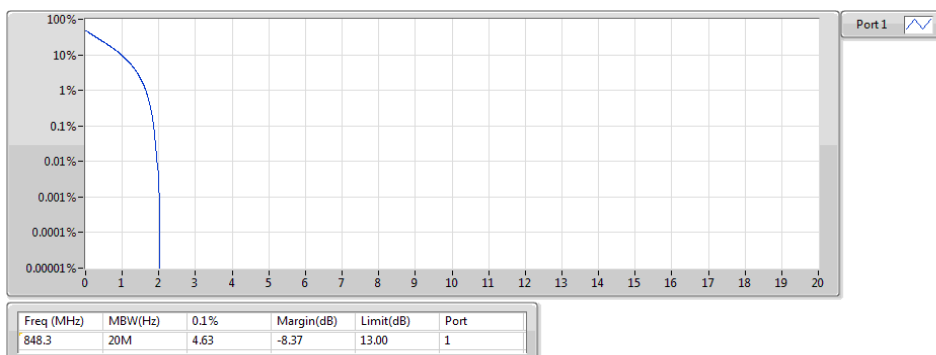
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 6,#RB 0

PAR



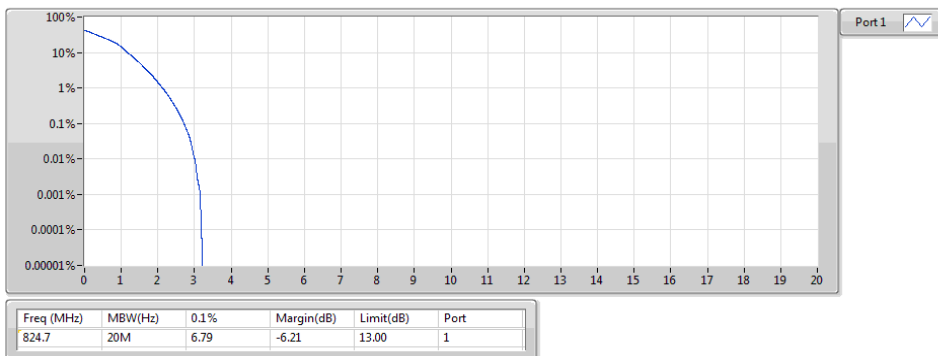
Band 5_LTE_1.4MHz_Nss1,QPSK_1TX
848.3MHz_QPSK_RB 6,#RB 0

PAR



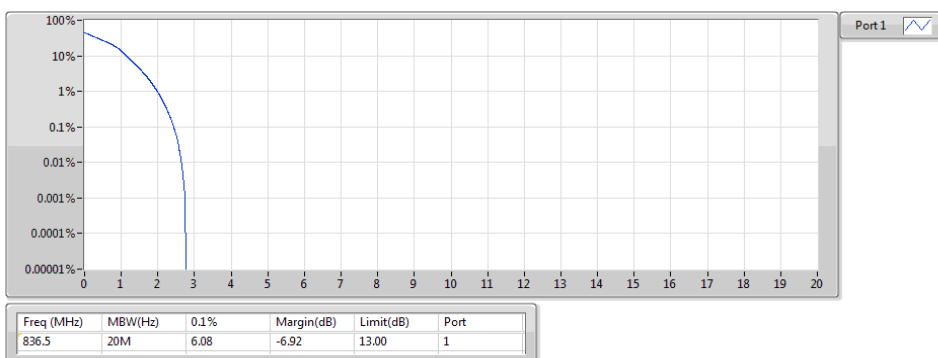
Band 5_LTE_1.4MHz_Nss1,16QAM_1TX
824.7MHz_16QAM_RB 6,#RB 0

PAR



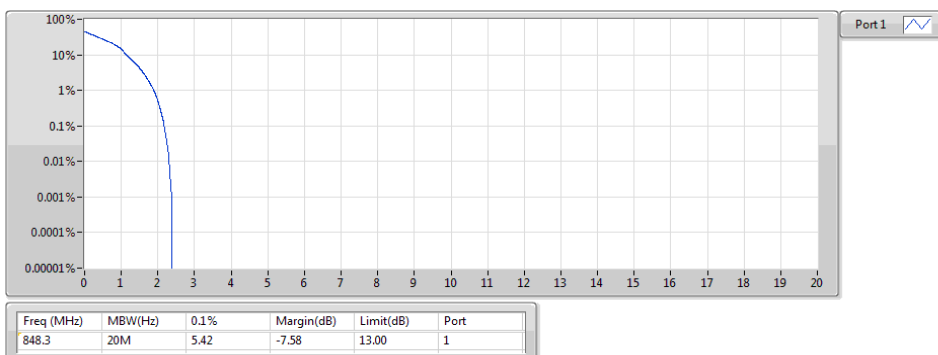
Band 5_LTE_1.4MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 6,#RB 0

PAR



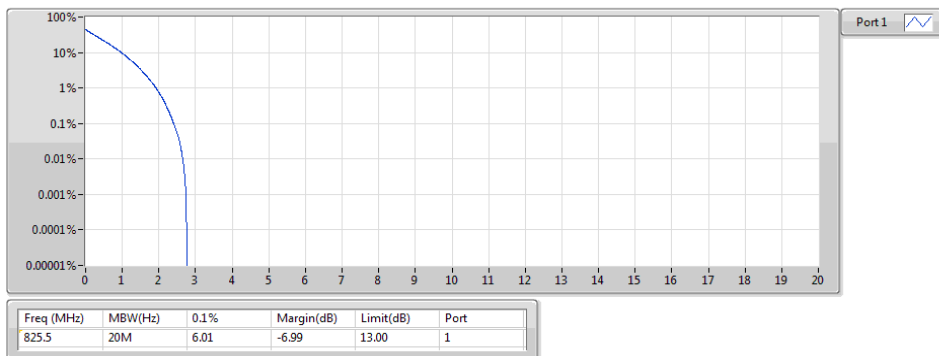
Band 5_LTE_1.4MHz_Nss1,16QAM_1TX
848.3MHz_16QAM_RB 6,#RB 0

PAR



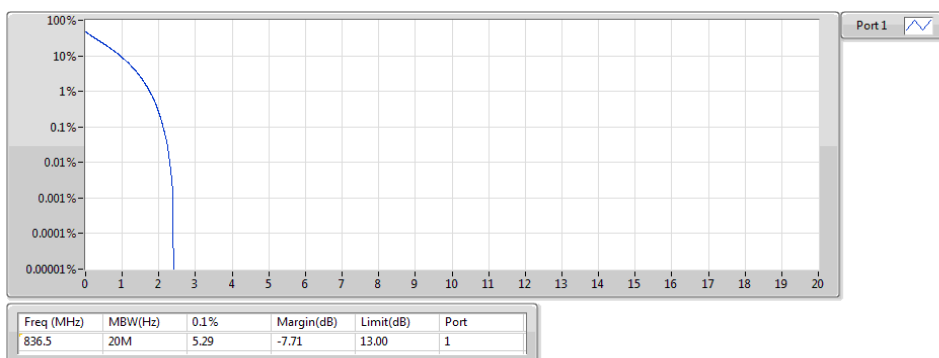
Band 5_LTE_3MHz_Nss1,QPSK_1TX
825.5MHz_QPSK_RB 15,#RB 0

PAR



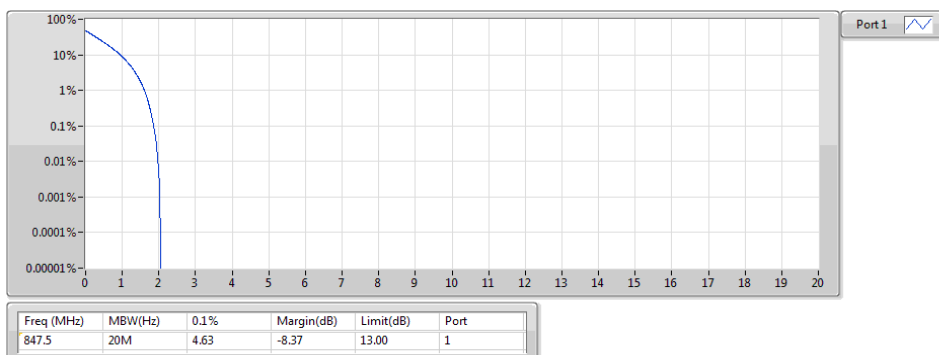
Band 5_LTE_3MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 15,#RB 0

PAR



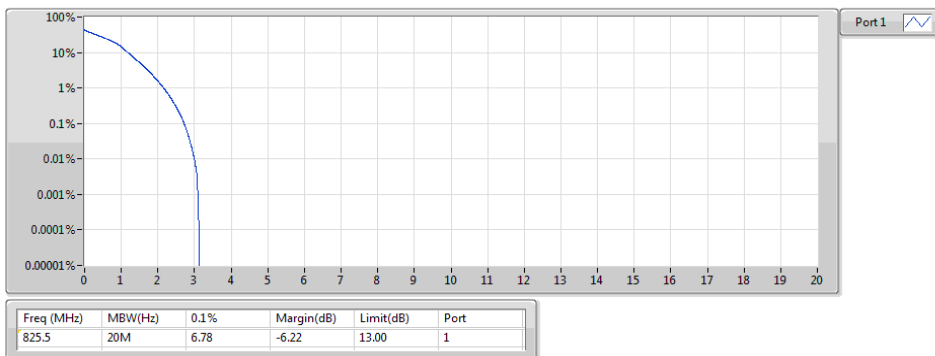
Band 5_LTE_3MHz_Nss1,QPSK_1TX
847.5MHz_QPSK_RB 15,#RB 0

PAR



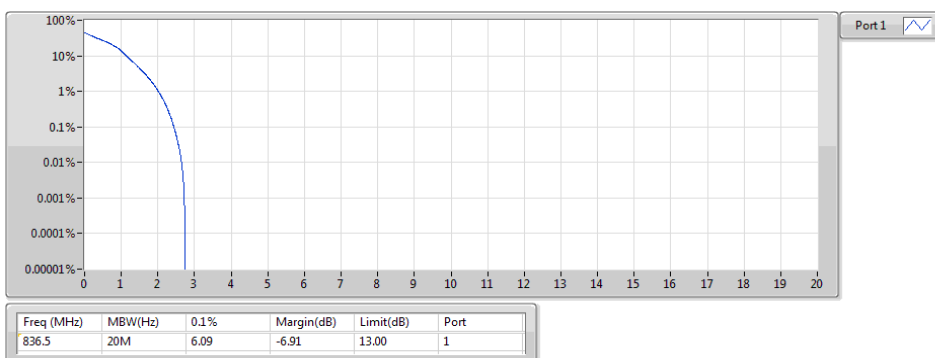
Band 5_LTE_3MHz_Nss1,16QAM_1TX
825.5MHz_16QAM_RB 15,#RB 0

PAR



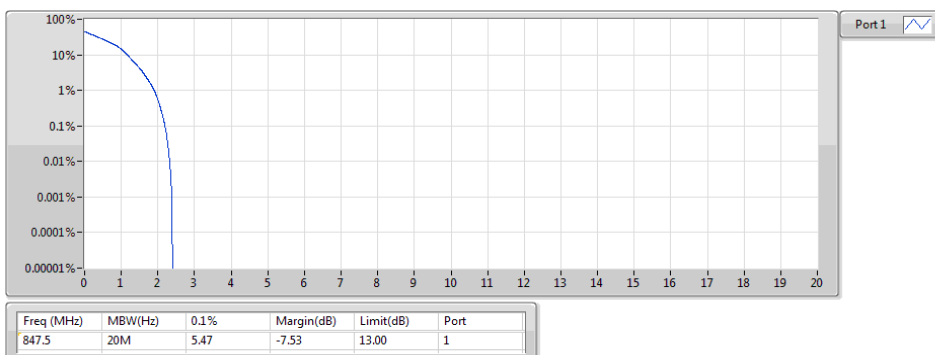
Band 5_LTE_3MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 15,#RB 0

PAR



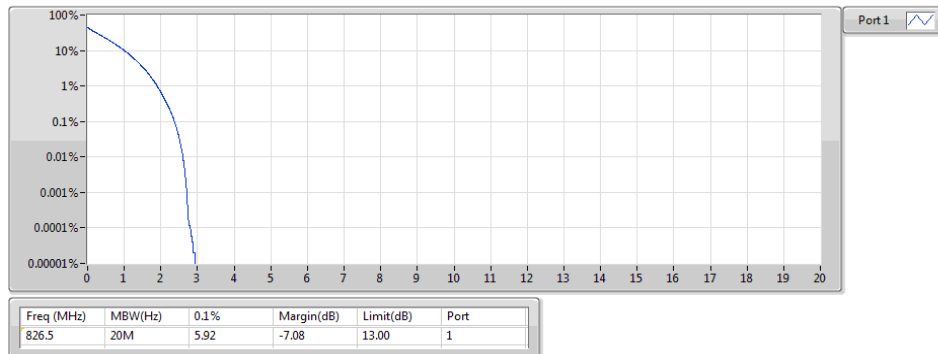
Band 5_LTE_3MHz_Nss1,16QAM_1TX
847.5MHz_16QAM_RB 15,#RB 0

PAR



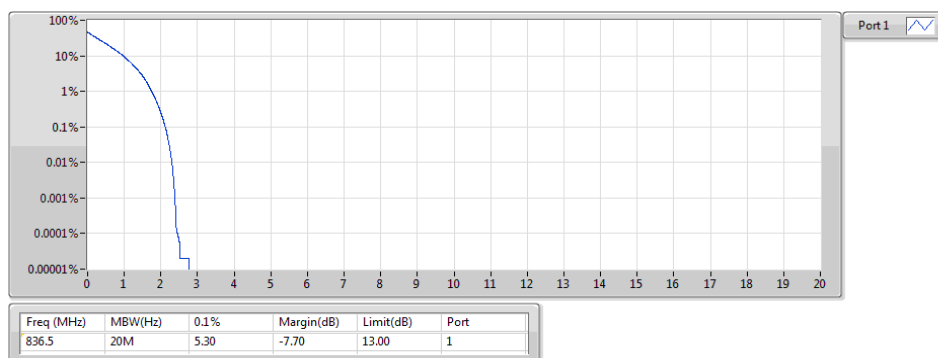
Band 5_LTE_5MHz_Nss1,QPSK_1TX
826.5MHz_QPSK_RB 25,#RB 0

PAR



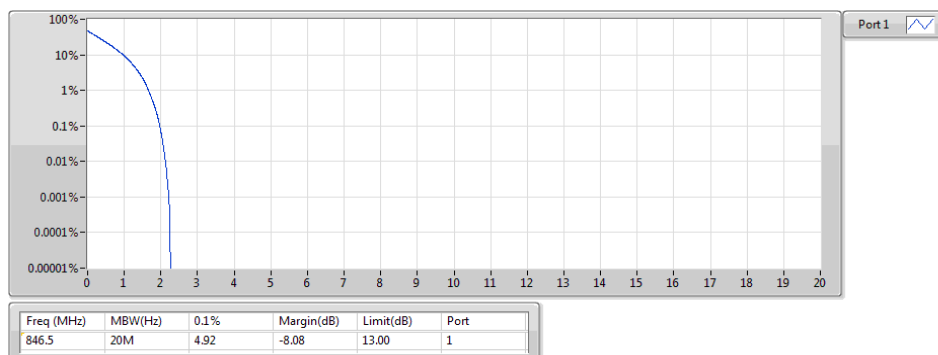
Band 5_LTE_5MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 25,#RB 0

PAR



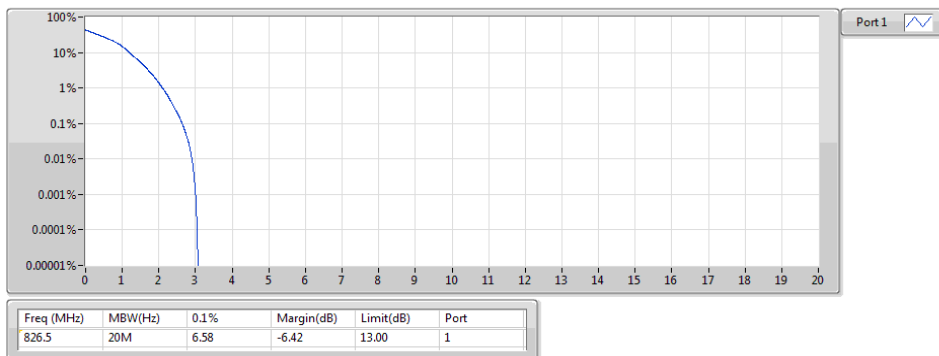
Band 5_LTE_5MHz_Nss1,QPSK_1TX
846.5MHz_QPSK_RB 25,#RB 0

PAR



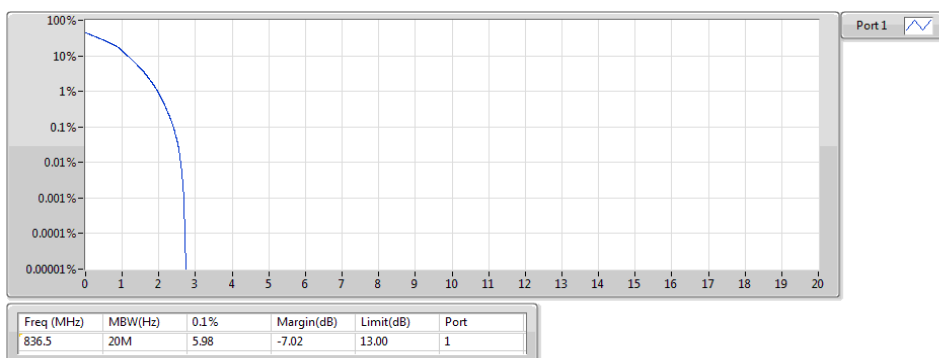
Band 5_LTE_5MHz_Nss1,16QAM_1TX
826.5MHz_16QAM_RB 25,#RB 0

PAR



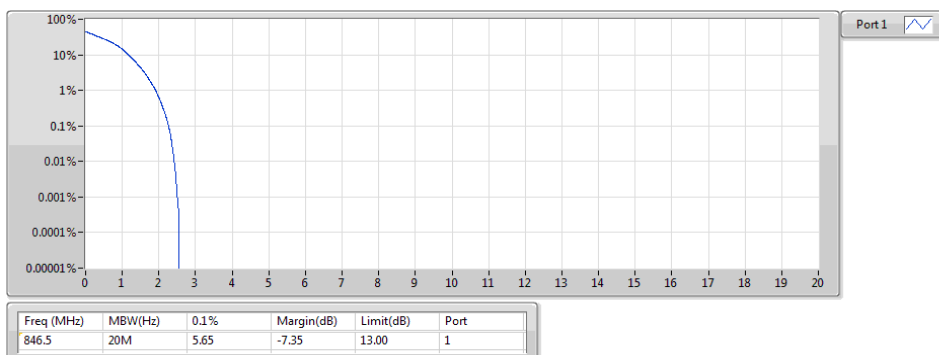
Band 5_LTE_5MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 25,#RB 0

PAR



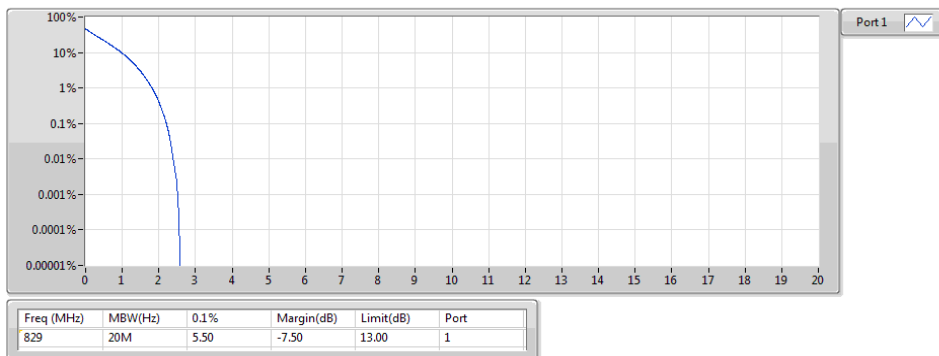
Band 5_LTE_5MHz_Nss1,16QAM_1TX
846.5MHz_16QAM_RB 25,#RB 0

PAR



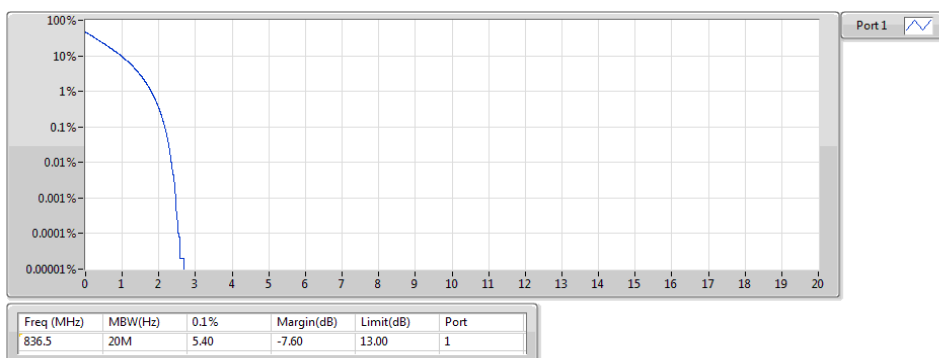
Band 5_LTE_10MHz_Nss1,QPSK_1TX
829MHz_QPSK_RB 50,#RB 0

PAR



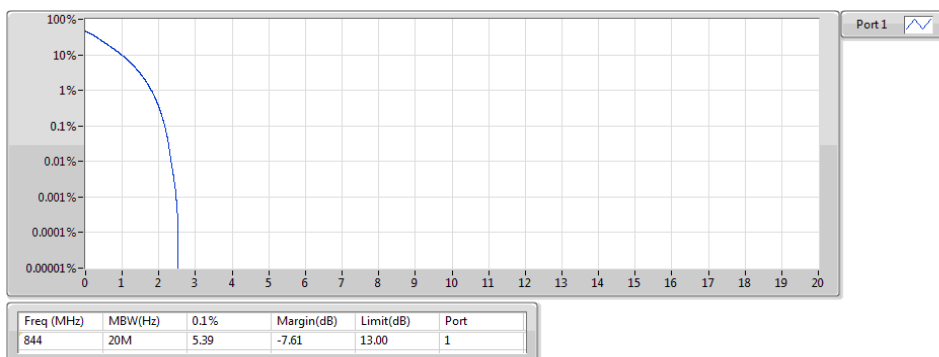
Band 5_LTE_10MHz_Nss1,QPSK_1TX
836.5MHz_QPSK_RB 50,#RB 0

PAR



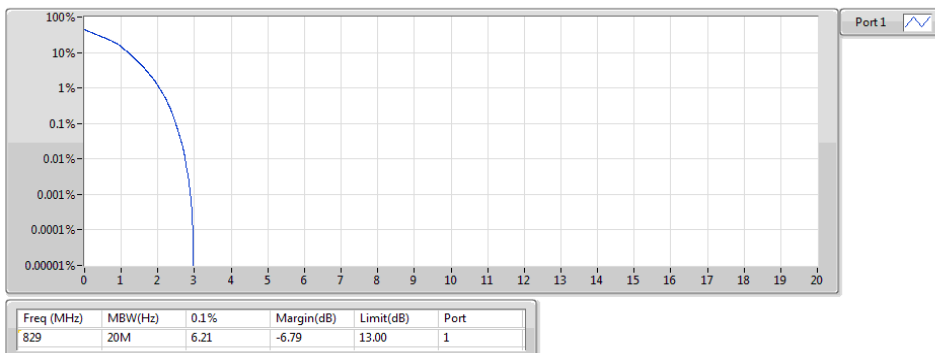
Band 5_LTE_10MHz_Nss1,QPSK_1TX
844MHz_QPSK_RB 50,#RB 0

PAR



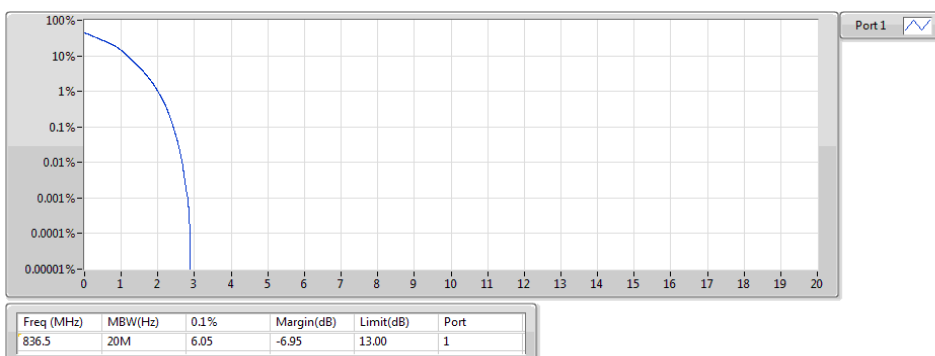
Band 5_LTE_10MHz_Nss1,16QAM_1TX
829MHz_16QAM_RB 50,#RB 0

PAR



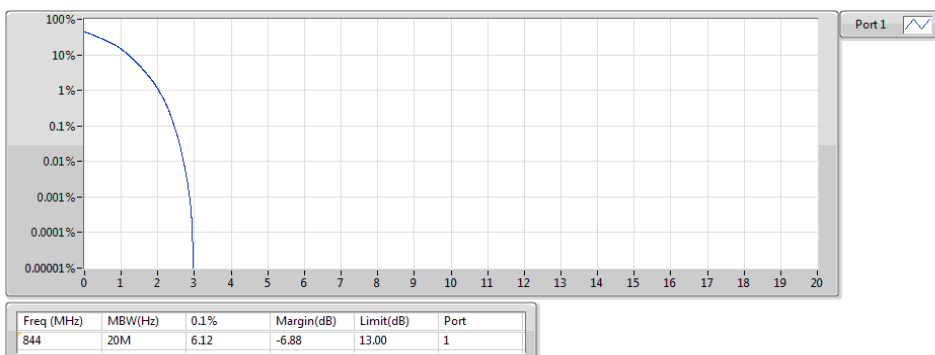
Band 5_LTE_10MHz_Nss1,16QAM_1TX
836.5MHz_16QAM_RB 50,#RB 0

PAR



Band 5_LTE_10MHz_Nss1,16QAM_1TX
844MHz_16QAM_RB 50,#RB 0

PAR



Band 5_LTE_1.4MHz_Nss1_1TX				
Temperature (°C)	824.7MHz		848.3MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.011	824.159157	-0.012	848.841041
T20°CVmin	-0.011	824.159157	-0.011	848.841042
T50°CVnom	-0.013	824.159155	-0.014	848.841039
T40°CVnom	-0.012	824.159156	-0.013	848.841040
T30°CVnom	-0.011	824.159157	-0.012	848.841041
T20°CVnom	-0.011	824.159157	-0.012	848.841041
T10°CVnom	-0.010	824.159158	-0.011	848.841042
T0°CVnom	-0.007	824.159160	-0.009	848.841043
T-10°CVnom	-0.006	824.159161	-0.006	848.841046
T-20°CVnom	-0.005	824.159162	-0.006	848.841046
T-30°CVnom	-0.002	824.159164	-0.005	848.841047
Limit	2.5 ppm	>824MHz	2.5 ppm	<849MHz

Band 5_LTE_3MHz_Nss1_1TX				
Temperature (°C)	825.5MHz		847.5MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.013	824.163722	-0.012	848.831655
T20°CVmin	-0.012	824.163723	-0.014	848.831653
T50°CVnom	-0.015	824.163721	-0.015	848.831652
T40°CVnom	-0.013	824.163722	-0.013	848.831654
T30°CVnom	-0.011	824.163724	-0.014	848.831653
T20°CVnom	-0.012	824.163723	-0.013	848.831654
T10°CVnom	-0.015	824.163721	-0.011	848.831656
T0°CVnom	-0.013	824.163722	-0.009	848.831657
T-10°CVnom	-0.012	824.163723	-0.009	848.831657
T-20°CVnom	-0.010	824.163725	-0.008	848.831658
T-30°CVnom	-0.010	824.163725	-0.005	848.831661
Limit	2.5 ppm	>824MHz	2.5 ppm	<849MHz

Band 5_LTE_5MHz_Nss1_1TX				
Temperature (°C)	826.5MHz		846.5MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.016	824.266586	-0.014	848.726626
T20°CVmin	-0.015	824.266587	-0.017	848.726624
T50°CVnom	-0.016	824.266586	-0.018	848.726623
T40°CVnom	-0.013	824.266588	-0.017	848.726624
T30°CVnom	-0.015	824.266587	-0.015	848.726625
T20°CVnom	-0.013	824.266588	-0.015	848.726625
T10°CVnom	-0.012	824.266589	-0.013	848.726627
T0°CVnom	-0.011	824.266590	-0.012	848.726628
T-10°CVnom	-0.011	824.266590	-0.011	848.726629
T-20°CVnom	-0.010	824.266591	-0.007	848.726632
T-30°CVnom	-0.006	824.266594	-0.007	848.726632
Limit	2.5 ppm	>824MHz	2.5 ppm	<849MHz

Band 5_LTE_10MHz_Nss1_1TX				
Temperature (°C)	829MHz		844MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.018	824.549989	-0.019	848.454747
T20°CVmin	-0.017	824.549990	-0.017	848.454749
T50°CVnom	-0.019	824.549988	-0.019	848.454747
T40°CVnom	-0.017	824.549990	-0.018	848.454748
T30°CVnom	-0.016	824.549991	-0.015	848.454750
T20°CVnom	-0.017	824.549990	-0.017	848.454749
T10°CVnom	-0.013	824.549993	-0.014	848.454751
T0°CVnom	-0.011	824.549995	-0.012	848.454753
T-10°CVnom	-0.010	824.549996	-0.009	848.454755
T-20°CVnom	-0.007	824.549998	-0.011	848.454754
T-30°CVnom	-0.002	824.550002	-0.006	848.454758
Limit	2.5 ppm	>824MHz	2.5 ppm	<849MHz