

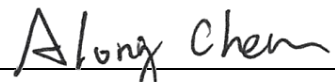
FCC Test Report

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 22 Subpart H
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

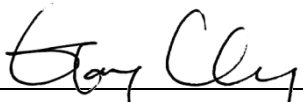

Gary Chang / Manager

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LTE BAND 5

APPENDIX A.1 TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

LTE BAND 18

APPENDIX A.2 TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

LTE BAND 19

APPENDIX A.3 TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

LTE BAND 26

APPENDIX A.4 TEST RESULTS FOR EFFECTIVE RADIATED POWER

APPENDIX B.1 TEST RESULTS FOR 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

WCDMA BAND V

APPENDIX A.5 TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

APPENDIX B.2 TEST RESULTS FOR 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
FG261301P22	Rev. 01	Initial issue	Sep. 23, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 22.913(a)(5)	Effective Radiated Power	Power[dBm] : WCDMA: 20.26 LTE: 18.34	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 Power 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 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
XSquare	XS5G03-GBO	5G DATA CARD	(SA+NSA)+GPS
	XS5G04-GBO		(SA Only)+GPS XS5G03-GBO base band IC disable NSA by SW
✦ The above models, model XS5G03-GBO was selected as a representative one for the final test and only its data was recorded in this report.			

1.1.2 Specification of the Equipment under Test (EUT)

Operating Frequency	WCDMA Band V: 826.4 MHz ~ 846.6 MHz LTE Band 5: Channel Bandwidth: 1.4MHz: 824.7 MHz ~ 848.3 MHz Channel Bandwidth: 3MHz: 825.5 MHz ~ 847.5 MHz Channel Bandwidth: 5MHz: 826.5 MHz ~ 846.5 MHz Channel Bandwidth: 10MHz: 829 MHz ~ 844 MHz LTE Band 18 Channel Bandwidth: 5MHz: 826.5 MHz ~ 827.5 MHz LTE Band 19 Channel Bandwidth: 5MHz: 832.5 MHz ~ 842.5 MHz Channel Bandwidth: 10MHz: 835 MHz ~ 840 MHz Channel Bandwidth: 15MHz: 837.5 MHz LTE Band 26 Channel Bandwidth: 1.4MHz: 824.7 MHz ~ 848.3 MHz Channel Bandwidth: 3MHz: 825.5 MHz ~ 847.5 MHz Channel Bandwidth: 5MHz: 826.5 MHz ~ 846.5 MHz Channel Bandwidth: 10MHz: 829 MHz ~ 844 MHz Channel Bandwidth: 15MHz: 831.5 MHz ~ 841.5 MHz
Modulation	WCDMA: BPSK (Uplink) LTE: QPSK, 16QAM, 64QAM (Uplink)

1.1.3 Antenna Details

Brand	Model	Type	Connector	Gain (dBi)
Anjie	AELQ2S-B066L	Dipole	UFL	-1.2

1.1.4 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	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

WCDMA Band V		
Modulation	Maximum Conducted Power (W)	Emission Designator
BPSK	0.174	4M17F9W

LTE Band 5			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
1.4MHz	QPSK	0.143	1M08G7D
1.4MHz	16QAM	0.121	1M08W7D
1.4MHz	64QAM	0.096	1M08W7D
3MHz	QPSK	0.143	2M68G7D
3MHz	16QAM	0.121	2M68W7D
3MHz	64QAM	0.096	2M68W7D
5MHz	QPSK	0.145	4M46G7D
5MHz	16QAM	0.123	4M46W7D
5MHz	64QAM	0.097	4M48W7D
10MHz	QPSK	0.147	8M92G7D
10MHz	16QAM	0.125	8M93W7D
10MHz	64QAM	0.096	8M93W7D

LTE Band 18			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
5MHz	QPSK	0.145	4M46G7D
5MHz	16QAM	0.133	4M46W7D
5MHz	64QAM	0.108	4M48W7D

LTE Band 19			
Channel Bandwidth	Modulation	Maximum Conducted Power (W)	Emission Designator
5MHz	QPSK	0.143	4M46G7D
5MHz	16QAM	0.121	4M46W7D
5MHz	64QAM	0.097	4M48W7D
10MHz	QPSK	0.145	8M92G7D
10MHz	16QAM	0.123	8M93W7D
10MHz	64QAM	0.096	8M93W7D
15MHz	QPSK	0.140	13M4G7D
15MHz	16QAM	0.119	13M4W7D
15MHz	64QAM	0.094	13M4W7D

LTE Band 26			
Mode	Modulation	Maximum Conducted Power (W)	Emission Designator
1.4MHz	QPSK	0.141	1M08G7D
1.4MHz	16QAM	0.119	1M08W7D
1.4MHz	64QAM	0.095	1M08W7D
3MHz	QPSK	0.144	2M68G7D
3MHz	16QAM	0.123	2M68W7D
3MHz	64QAM	0.096	2M68W7D
5MHz	QPSK	0.144	4M46G7D
5MHz	16QAM	0.124	4M46W7D
5MHz	64QAM	0.095	4M48W7D
10MHz	QPSK	0.148	8M92G7D
10MHz	16QAM	0.119	8M93W7D
10MHz	64QAM	0.095	8M93W7D
15MHz	QPSK	0.141	13M4G7D
15MHz	16QAM	0.119	13M4W7D
15MHz	64QAM	0.095	13M4W7D

1.1.7 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

LTE Band 18		
Channel Bandwidths (MHz)	Channel	Frequency (MHz)
5	23965	826.5
5	23970	827
5	23975	827.5

LTE Band 19		
Channel Bandwidths (MHz)	Channel	Frequency (MHz)
5	24025	832.5
5	24075	837.5
5	24125	842.5
10	24050	835
10	24075	837.5
10	24100	840
15	24075	837.5

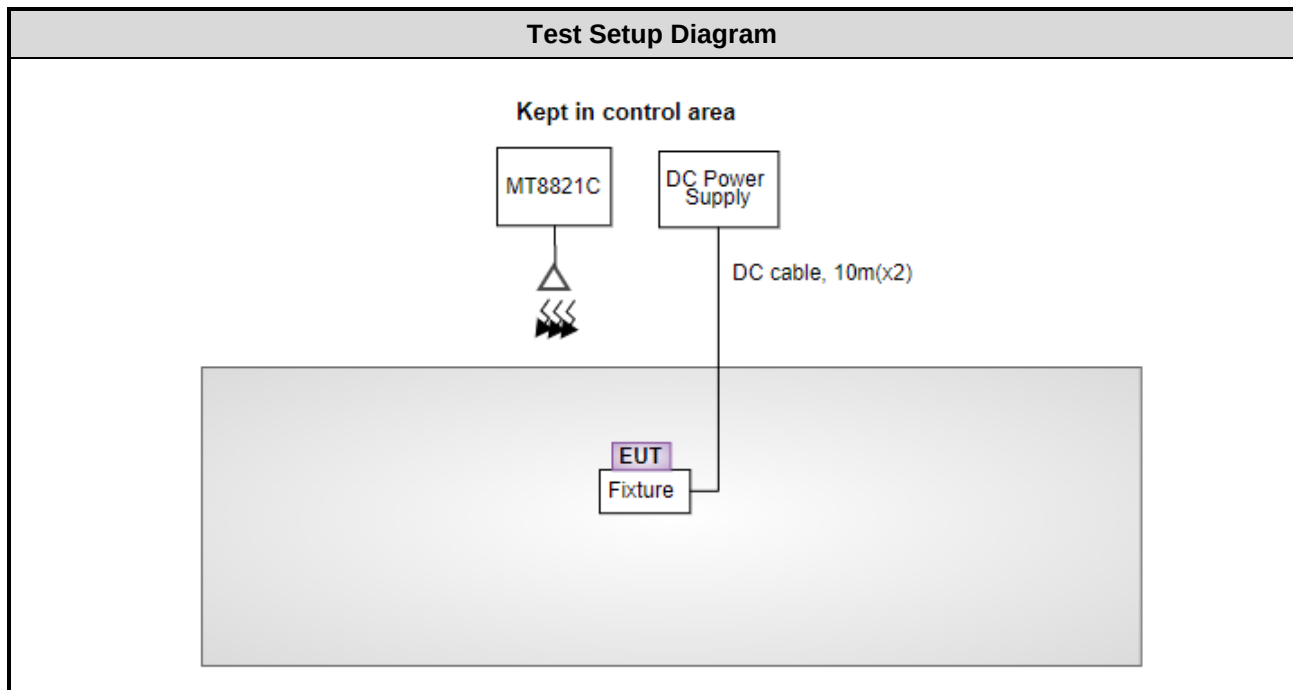
LTE Band 26		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
1.4	26797	824.7
1.4	26915	836.5
1.4	27033	848.3
3	26805	825.5
3	26915	836.5
3	27025	847.5
5	26815	826.5
5	26915	836.5
5	27015	846.5
10	26840	829.0
10	26915	836.5
10	26990	844.0
15	26865	831.5
15	26915	836.5
15	26965	841.5

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-N W-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-N M-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-4 G	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 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 and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	23-25°C / 61-64%	Roger Lu
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	Mode			Test Channel		
		RMC 12.2k	HSDPA	HSUPA	L	M	H
Max. Output Power	5	v	v	v	v	v	v
peak-to-Average Ratio	5	v				v	
26dB and 99% Bandwidth	5	v				v	
Conducted Band edge	5	v			v		v
Conducted Spurious Emission	5	v			v	v	v
Frequency Stability	5	v				v	
E.R.P / E.I.R.P	5	v	v	v	Max. power		
Radiated Spurious Emission	5	v			v	v	v
Remark	"v" : this configuration is for testing. - Frequency range of radiated measurement is from 30 MHz to 10th harmonic of fundamental frequency. - All spurious emissions below 1000 MHz are more than 20 dB below the limit. - 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.						

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	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	18	-	-	v	-	-	-	v	v	v	v	v	v	v	v	v
	19	-	-	v	v	v	-	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
peak-to-Average Ratio	5	Covered by LTE Band26														
	18	Covered by LTE Band26														
	19	Covered by LTE Band26														
	26					v	-	v	v	v			v		v	
26dB and 99% Bandwidth	5	Covered by LTE Band26														
	18	Covered by LTE Band26														
	19	Covered by LTE Band26														
	26	v	v	v	v	v	-	v	v	v			v		v	
Conducted Band edge	5	Covered by LTE Band26														
	18	Covered by LTE Band26														
	19	Covered by LTE Band26														
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
Conducted Spurious Emission	5	Covered by LTE Band26														
	18	Covered by LTE Band26														
	19	Covered by LTE Band26														
	26	v	v	v	v	v	-	v			v			v	v	v
Frequency Stability	5	Covered by LTE Band26														
	18	Covered by LTE Band26														
	19	Covered by LTE Band26														
	26					v	-	v					v		v	
E.R.P / E.I.R.P	5	v	v	v	v	-	-	v	v	v	Max. power					
	18	-	-	v	-	-	-	v	v	v						
	19	-	-	v	v	v	-	v	v	v						
	26	v	v	v	v	v	-	v	v	v						
Radiated Spurious Emission	5	Covered by LTE Band26												v	v	v
	18	Covered by LTE Band26												v	v	v
	19	Covered by LTE Band26												v	v	v
	26	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 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:

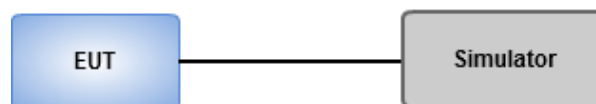
1. The EUT links up with simulator and is set to maximum output power level at low / middel / high channel.
2. Measure the output power of low / middle / high channel of the EUT.

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.1, A.2, A.3 A.4, A.5.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

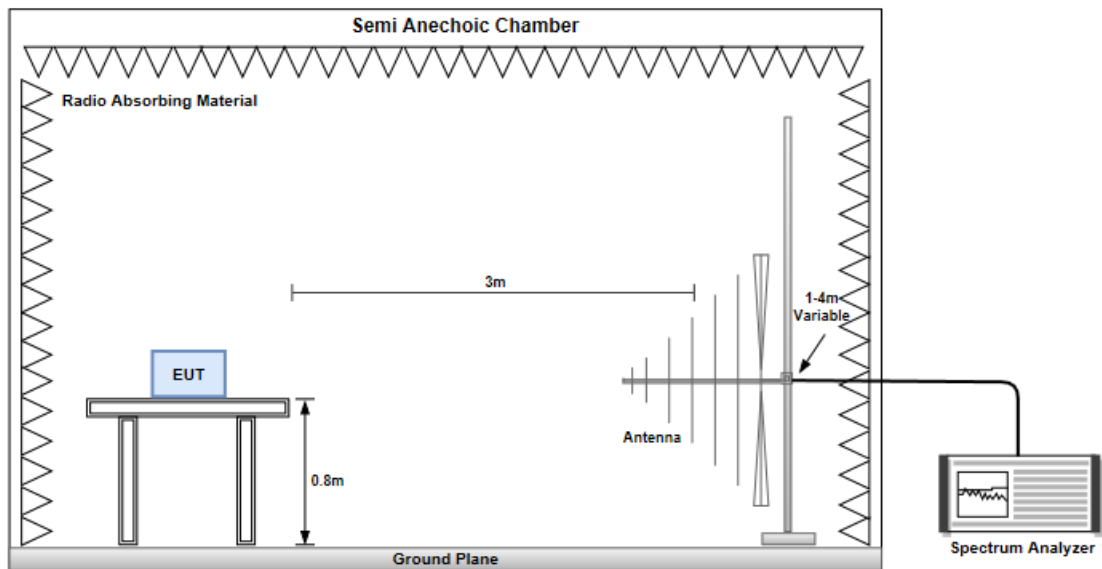
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.2.2 Test Procedures

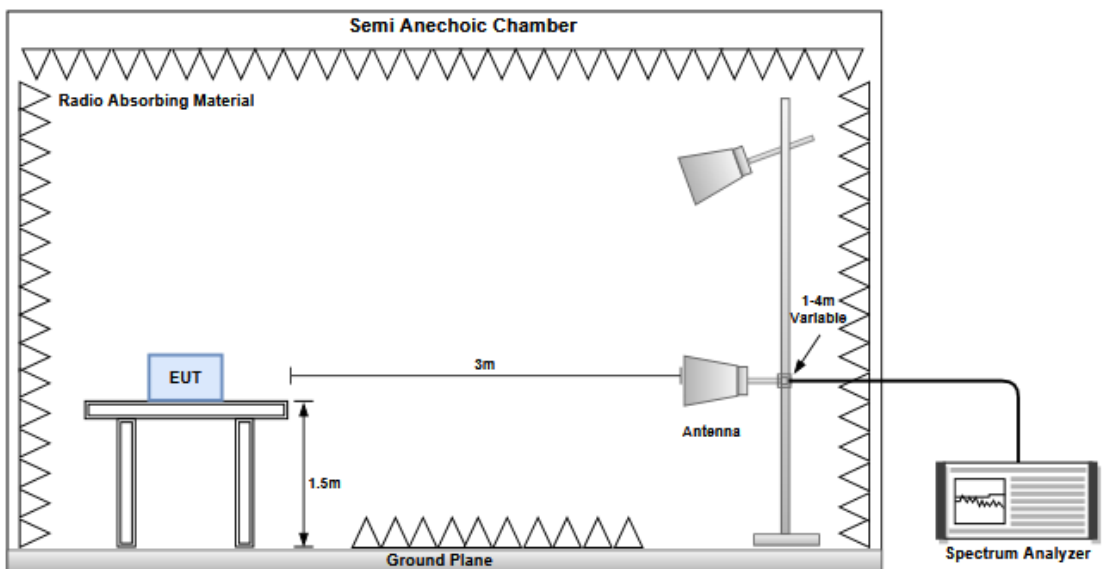
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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.1 B.2.

3.3 Out of Band Emissions & Band Edge

3.3.1 Limit of Out of Band 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

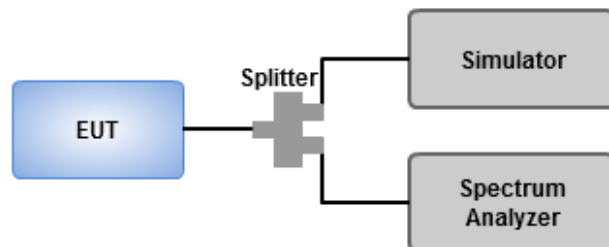
Out of band emission

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

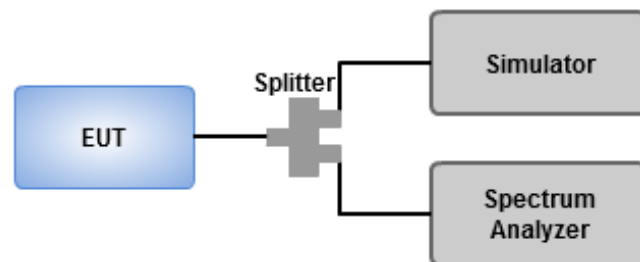
Refer to Appendix C.1, C.2, C.3, C.4.

3.4 Occupied and 26 dB 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 D.1, D.2.

3.5 Peak to Average Power Ratio

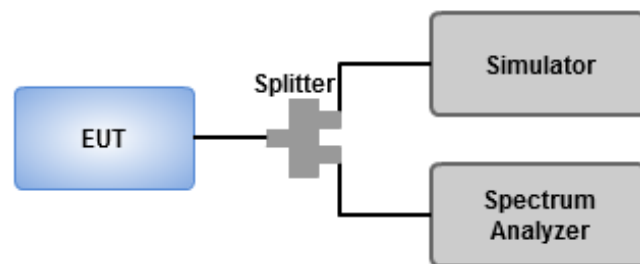
3.5.1 Limit of Peak to Average Power Ratio

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 E.1, E.2.

3.6 Frequency Stability

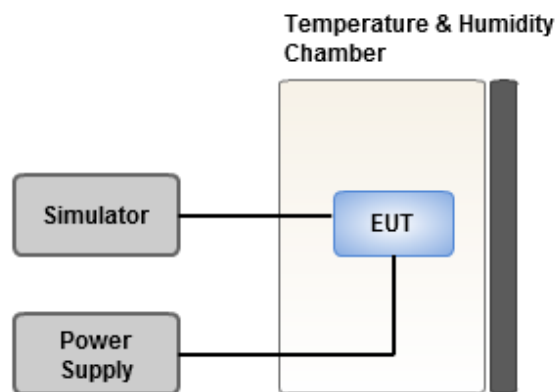
3.6.1 Limit of Frequency Stability

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. 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.1, F.2.

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

Part22H LTE Band 5 MaxiMum Average Power [dBm](GT-LC= -1.2 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest		
Channel				20450	20525	20600	ERP (dBm)	ERP (W)
Frequency				829	836.5	844		
10	QPSK	1	0	21.59	21.66	21.6	18.31	0.0678
10	QPSK	1	49	21.55	21.63	21.59		
10	QPSK	50	0	21.03	21.12	21.05		
10	16QAM	1	0	20.83	20.97	20.88	17.62	0.0578
10	64QAM	1	0	19.75	19.82	19.81	16.47	0.0444
Channel				20425	20525	20625	ERP	ERP
Frequency				826.5	836.5	846.5	(dBm)	(W)
5	QPSK	1	0	21.56	21.58	21.62	18.27	0.0671
5	QPSK	1	24	21.47	21.55	21.52		
5	QPSK	25	0	21.02	21.03	21.08		
5	16QAM	1	0	20.82	20.91	20.82	17.56	0.0570
5	64QAM	1	0	19.81	19.88	19.83	16.53	0.0450
Channel				20415	20525	20635	ERP	ERP
Frequency				825.5	836.5	847.5	(dBm)	(W)
3	QPSK	1	0	21.49	21.56	21.52	18.21	0.0662
3	QPSK	1	14	21.46	21.52	21.51		
3	QPSK	15	0	21.01	21.03	21.05		
3	16QAM	1	0	20.71	20.83	20.81	17.48	0.0560
3	64QAM	1	0	19.76	19.82	19.77	16.47	0.0444
Channel				20407	20525	20643	ERP	ERP
Frequency				824.7	836.5	848.3	(dBm)	(W)
1.4	QPSK	1	0	21.53	21.54	21.53	18.19	0.0659
1.4	QPSK	1	5	21.51	21.52	21.51		
1.4	QPSK	6	0	21.01	21.05	21.06		
1.4	16QAM	1	0	20.82	20.83	20.75	17.48	0.0560
1.4	64QAM	1	0	19.81	19.82	19.81	16.47	0.0444
Limit	ERP < 7 W			Result			Pass	

**Summary**

Part22H Band 18 Maximum Average Power [dBm](GT-LC= -1.2 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest		
Channel				23965	23970	23975	ERP	ERP
Frequency				826.5	827	827.5	(dBm)	(W)
5	QPSK	1	0	21.51	21.62	21.56	18.27	0.0671
5	QPSK	1	24	21.46	21.58	21.45		
5	QPSK	25	0	20.97	20.96	21.01		
5	16QAM	1	0	20.74	21.25	20.62	17.9	0.0617
5	64QAM	1	0	20.31	20.32	19.82	16.97	0.0498
Limit	ERP < 7 W			Result			Pass	

Summary

Part22H LTE Band 19 Maximum Average Power [dBm](GT-LC= -1.2 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest		
Channel					24075		ERP	ERP
Frequency					837.5		(dBm)	(W)
15	QPSK	1	0		21.46		18.11	0.0647
15	QPSK	1	74		21.41			
15	QPSK	75	0		21.02			
15	16QAM	1	0		20.75		17.4	0.0550
15	64QAM	1	0		19.73		16.38	0.0435
Channel				24050	24075	24100	ERP	ERP
Frequency				835	837.5	840	(dBm)	(W)
10	QPSK	1	0	21.55	21.62	21.54	18.27	0.0671
10	QPSK	1	49	21.53	21.53	21.45		
10	QPSK	50	0	21.08	21.12	21.06		
10	16QAM	1	0	20.82	20.91	20.83	17.56	0.0570
10	64QAM	1	0	19.71	19.83	19.75	16.48	0.0445
Channel				24025	24075	24125	ERP	ERP
Frequency				832.5	837.5	842.5	(dBm)	(W)
5	QPSK	1	0	21.5	21.55	21.53	18.2	0.0661
5	QPSK	1	24	21.48	21.51	21.52		
5	QPSK	25	0	21.07	21.08	21.03		
5	16QAM	1	0	20.83	20.81	20.81	17.48	0.0560
5	64QAM	1	0	19.76	19.73	19.86	16.51	0.0448
Limit	ERP < 7 W			Result			Pass	

Summary

Part22H LTE Band 26 Maximum Average Power [dBm](GT-LC= -1.2 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest		
Channel				26865	26915	26965	ERP (dBm)	ERP (W)
Frequency				831.5	836.5	841.5		
15	QPSK	1	0	21.57	21.54	21.69	18.34	0.0682
15	QPSK	1	74	21.43	21.38	21.46		
15	QPSK	75	0	21.04	21.02	20.92		
15	16QAM	1	0	20.66	20.76	20.75	17.41	0.0551
15	64QAM	1	0	19.74	19.77	19.76	16.42	0.0439
Channel				26840	26915	26990	ERP	ERP
Frequency				829	836.5	844	(dBm)	(W)
10	QPSK	1	0	21.58	21.56	21.55	18.23	0.0665
10	QPSK	1	49	21.55	21.55	21.53		
10	QPSK	50	0	21.05	21.07	20.97		
10	16QAM	1	0	20.89	20.92	20.76	17.57	0.0571
10	64QAM	1	0	19.77	19.75	19.75	16.42	0.0439
Channel				26815	26915	27015	ERP	ERP
Frequency				826.5	836.5	846.5	(dBm)	(W)
5	QPSK	1	0	21.51	21.57	21.54	18.22	0.0664
5	QPSK	1	24	21.46	21.55	21.49		
5	QPSK	25	0	21.05	21.05	21.03		
5	16QAM	1	0	20.66	20.88	20.91	17.56	0.0570
5	64QAM	1	0	19.83	19.81	19.82	16.48	0.0445
Channel				26805	26915	27025	ERP	ERP
Frequency				825.5	836.5	847.5	(dBm)	(W)
3	QPSK	1	0	21.5	21.45	21.4	18.15	0.0653
3	QPSK	1	14	21.43	21.42	21.39		
3	QPSK	15	0	20.95	20.96	20.97		
3	16QAM	1	0	20.76	20.67	20.66	17.41	0.0551
3	64QAM	1	0	19.74	19.71	19.78	16.43	0.0440
Limit	ERP < 7 W			Result			Pass	



Part22H LTE Band 26 Maximum Average Power [dBm](GT-LC= -1.2 dB)								
BW (MHz)	Modulation	RB Size	RB Offset	Lowest	Middle	Highest		
Channel				26797	26915	27033	ERP (dBm)	ERP (W)
Frequency				824.7	836.5	848.3		
1.4	QPSK	1	0	21.52	21.49	21.5	18.17	0.0656
1.4	QPSK	1	5	21.41	21.45	21.48		
1.4	QPSK	6	0	21.03	21	20.95		
1.4	16QAM	1	0	20.89	20.72	20.76	17.54	0.0568
1.4	64QAM	1	0	19.83	19.83	19.68	16.48	0.0445
Limit	ERP < 7 W			Result			Pass	

**Summary**

WCDMA Band V MaxiMum Average Power [dBm](GT-LC= -1.2 dB)					
Channel	4132	4182	4233	ERP	ERP
Frequency	826.4	836.4	846.6	(dBm)	(W)
RMC 12.2K	22.33	22.41	22.38	20.26	0.1062
HSDPA Subtest-1	21.23	21.25	21.39		
HSDPA Subtest-2	21.24	21.25	21.34		
HSDPA Subtest-3	20.74	20.81	20.90		
HSDPA Subtest-4	20.69	20.75	20.81		
HSUPA Subtest-1	19.33	19.38	19.35		
HSUPA Subtest-2	19.33	19.37	19.34		
HSUPA Subtest-3	20.22	20.24	20.36		
HSUPA Subtest-4	18.89	18.88	19.00		
HSUPA Subtest-5	20.20	20.20	20.30		
Limit	ERP< 7 W			Result	Pass

Mode	LTE Band 26, QPSK, CB:15 MHz, 1 RB, Channel: 26865						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1649.8	H	-56.19	-13	-43.19	-58.32	-59.38	5.34
2474.7	H	-53.72	-13	-40.72	-58.6	-57.17	5.6
3299.6	H	-63.47	-13	-50.47	-70.15	-67.75	6.43
1649.8	V	-56.02	-13	-43.02	-58.27	-59.21	5.34
2474.7	V	-53.06	-13	-40.06	-57.64	-56.51	5.6
3299.6	V	-63.57	-13	-50.57	-70.25	-67.85	6.43

Mode	LTE Band 26, QPSK, CB:15 MHz, 1 RB, Channel: 26915						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1659.8	H	-55.39	-13	-42.39	-57.55	-58.61	5.37
2489.7	H	-53.39	-13	-40.39	-58.26	-56.88	5.64
3319.6	H	-63.77	-13	-50.77	-70.41	-68.15	6.53
1659.8	V	-55.23	-13	-42.23	-57.47	-58.45	5.37
2489.7	V	-52.98	-13	-39.98	-57.56	-56.47	5.64
3319.6	V	-63.59	-13	-50.59	-70.24	-67.97	6.53

Mode	LTE Band 26, QPSK, CB:15 MHz, 1 RB, Channel: 26965						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1669.8	H	-56.16	-13	-43.16	-58.35	-59.41	5.4
2504.7	H	-53.71	-13	-40.71	-58.58	-57.24	5.68
3339.6	H	-63.64	-13	-50.64	-70.26	-68.11	6.62
1669.8	V	-55.77	-13	-42.77	-58.01	-59.02	5.4
2504.7	V	-52.85	-13	-39.85	-57.43	-56.38	5.68
3339.6	V	-63.94	-13	-50.94	-70.57	-68.41	6.62

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

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)
1652.8	H	-56.29	-13	-43.29	-58.42	-59.49	5.35
2479.2	H	-54.5	-13	-41.5	-59.38	-57.96	5.61
3305.6	H	-63.88	-13	-50.88	-70.54	-68.19	6.46
1652.8	V	-56.4	-13	-43.4	-58.64	-59.6	5.35
2479.2	V	-54.01	-13	-41.01	-58.59	-57.47	5.61
3305.6	V	-63.78	-13	-50.78	-70.44	-68.09	6.46

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)
1672.8	H	-56.4	-13	-43.4	-58.59	-59.66	5.41
2509.2	H	-53.81	-13	-40.81	-58.68	-57.36	5.7
3345.6	H	-63.64	-13	-50.64	-70.26	-68.14	6.65
1672.8	V	-56.33	-13	-43.33	-58.56	-59.59	5.41
2509.2	V	-53.77	-13	-40.77	-58.35	-57.32	5.7
3345.6	V	-64.02	-13	-51.02	-70.64	-68.52	6.65

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)
1693.2	H	-56.21	-13	-43.21	-58.45	-59.52	5.46
2539.8	H	-54.38	-13	-41.38	-59.26	-58.01	5.78
3386.4	H	-63.75	-13	-50.75	-70.32	-68.45	6.85
1693.2	V	-56.24	-13	-43.24	-58.45	-59.55	5.46
2539.8	V	-53.98	-13	-40.98	-58.59	-57.61	5.78
3386.4	V	-63.98	-13	-50.98	-70.57	-68.68	6.85

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

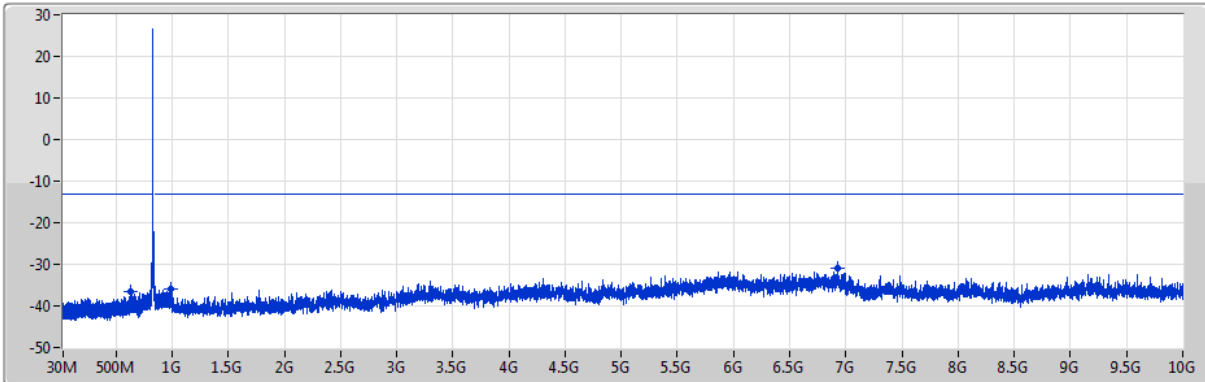
**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 26	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_15MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	6.9274G	-30.83	-13.00	-17.83	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	6.8752G	-30.08	-13.00	-17.08	1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	6.913G	-30.66	-13.00	-17.66	1	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	5.8573G	-30.50	-13.00	-17.50	1	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	5.797G	-31.18	-13.00	-18.18	1	-	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

831.5MHz_QPSK_RB 1



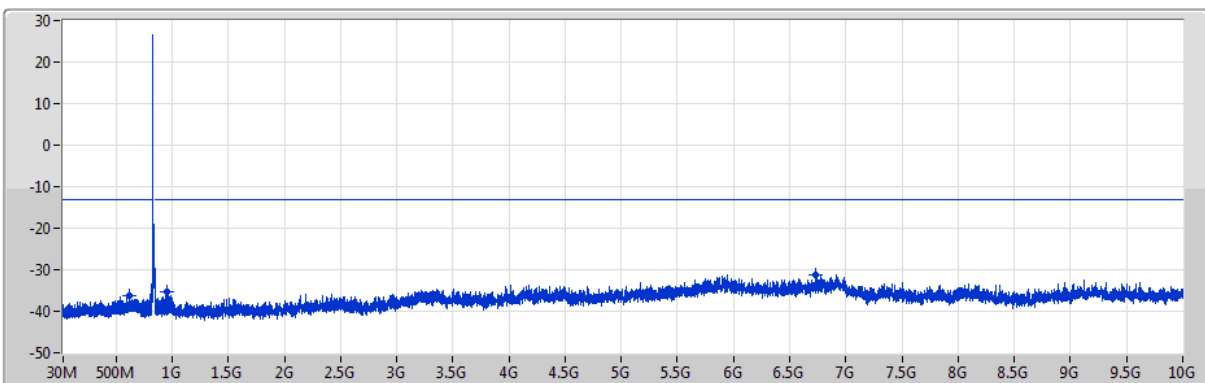
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	628.58M	-36.62	-13.00	-23.62	1	-
949M	1G	1M	3M	Peak	992.07M	-35.94	-13.00	-22.94	1	-
1G	10G	1M	3M	Peak	6.9274G	-30.83	-13.00	-17.83	1	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

836.5MHz_QPSK_RB 1



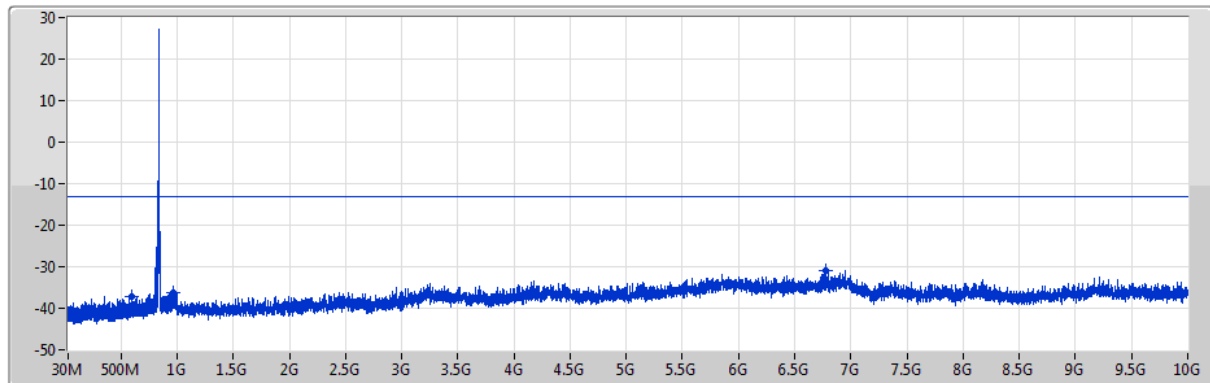
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	623.2M	-36.24	-13.00	-23.24	1	-
949M	1G	1M	3M	Peak	949.77M	-35.46	-13.00	-22.46	1	-
1G	10G	1M	3M	Peak	6.7303G	-31.15	-13.00	-18.15	1	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

841.5MHz_QPSK_RB 1



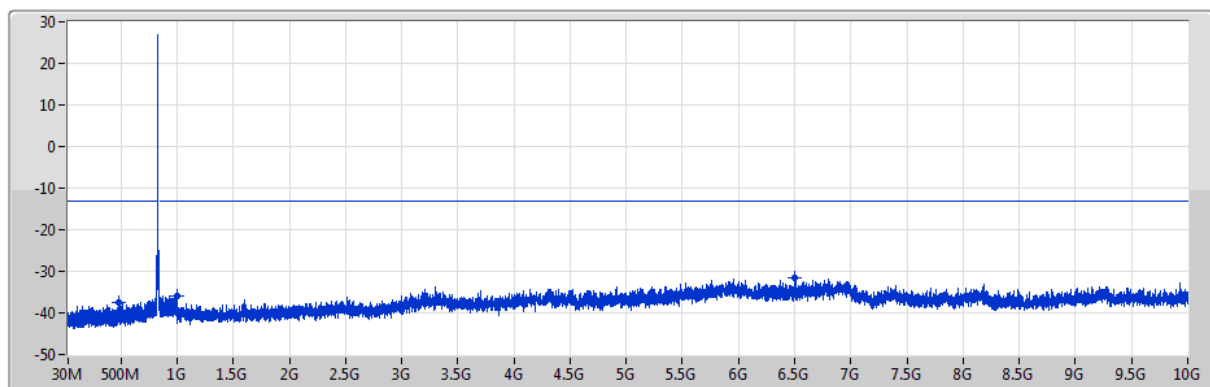
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	595.26M	-37.27	-13.00	-24.27	1	-
949M	1G	1M	3M	Peak	964.5M	-36.19	-13.00	-23.19	1	-
1G	10G	1M	3M	Peak	6.778G	-30.86	-13.00	-17.86	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

829MHz_QPSK_RB 1



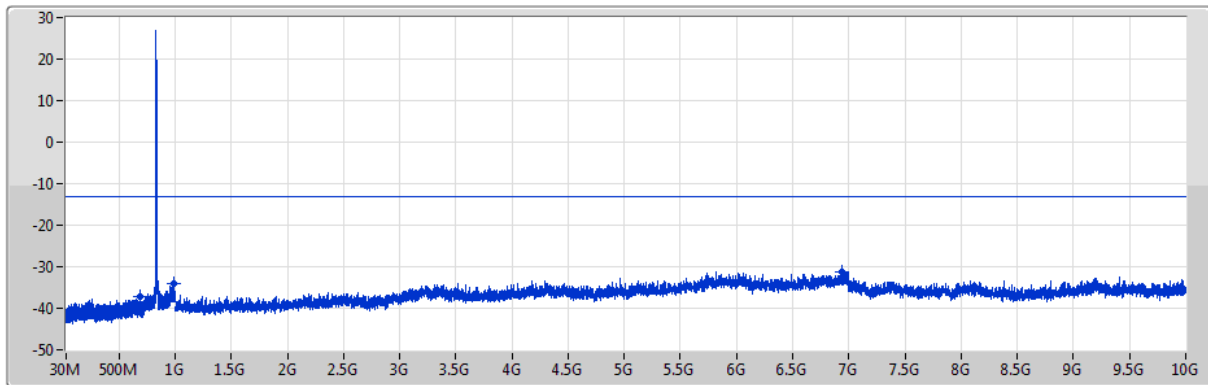
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	484.92M	-37.44	-13.00	-24.44	1	-
949M	1G	1M	3M	Peak	999.06M	-35.80	-13.00	-22.80	1	-
1G	10G	1M	3M	Peak	6.5044G	-31.49	-13.00	-18.49	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

836.5MHz_QPSK_RB 1



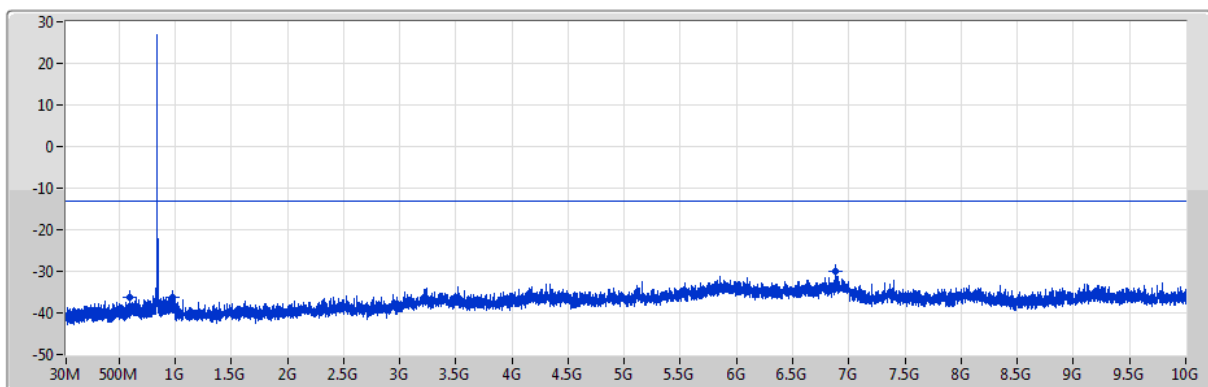
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	685.48M	-37.33	-13.00	-24.33	1	-
949M	1G	1M	3M	Peak	993.32M	-34.13	-13.00	-21.13	1	-
1G	10G	1M	3M	Peak	6.9346G	-31.22	-13.00	-18.22	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

844MHz_QPSK_RB 1



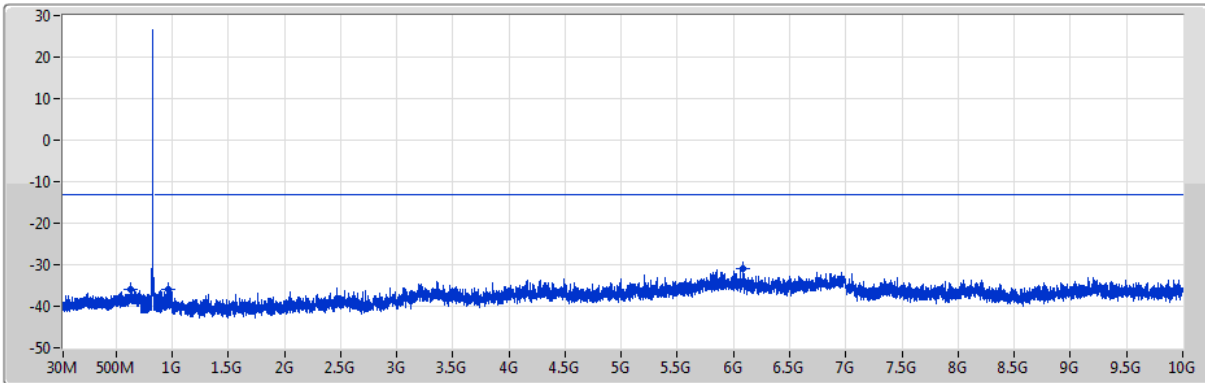
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	597.17M	-36.16	-13.00	-23.16	1	-
949M	1G	1M	3M	Peak	973.68M	-36.13	-13.00	-23.13	1	-
1G	10G	1M	3M	Peak	6.8752G	-30.08	-13.00	-17.08	1	-

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

826.5MHz_QPSK_RB 1



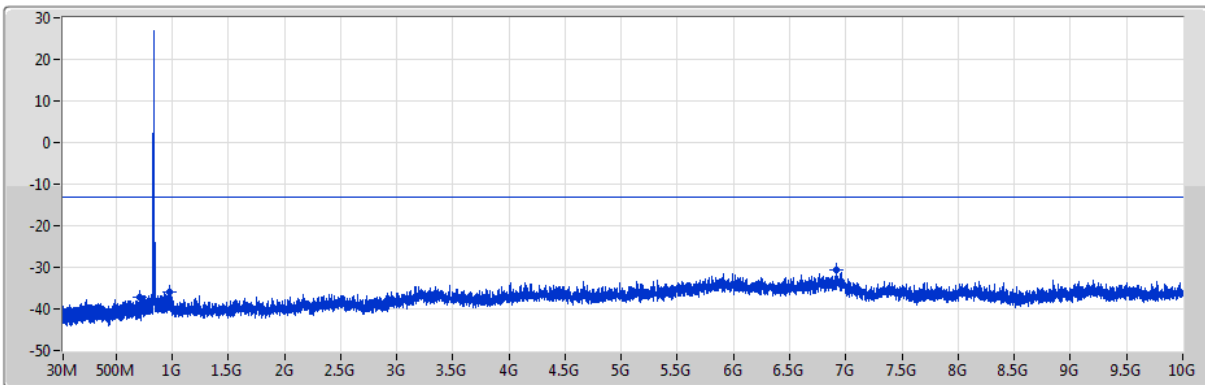
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	636.21M	-35.80	-13.00	-22.80	1	-
949M	1G	1M	3M	Peak	962.69M	-35.99	-13.00	-22.99	1	-
1G	10G	1M	3M	Peak	6.0877G	-31.02	-13.00	-18.02	1	-

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

836.5MHz_QPSK_RB 1



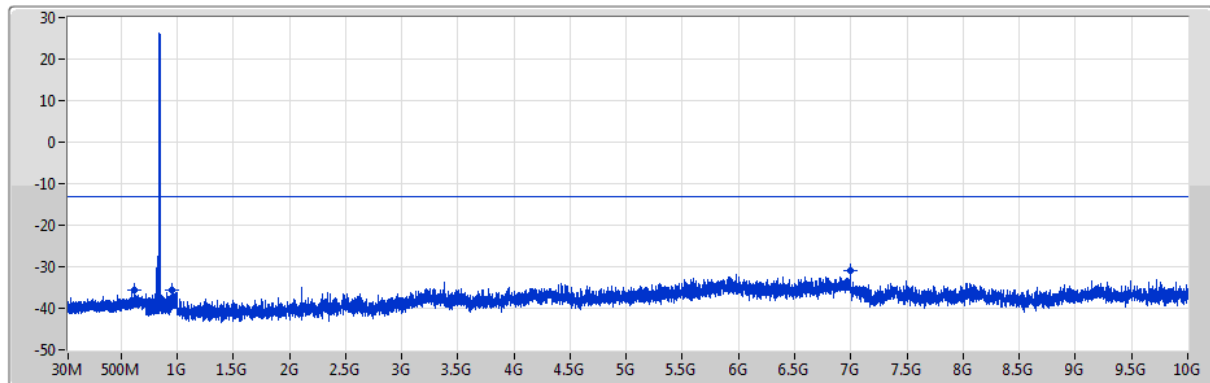
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	713.07M	-37.31	-13.00	-24.31	1	-
949M	1G	1M	3M	Peak	978.07M	-35.93	-13.00	-22.93	1	-
1G	10G	1M	3M	Peak	6.913G	-30.66	-13.00	-17.66	1	-

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

846.5MHz_QPSK_RB 1

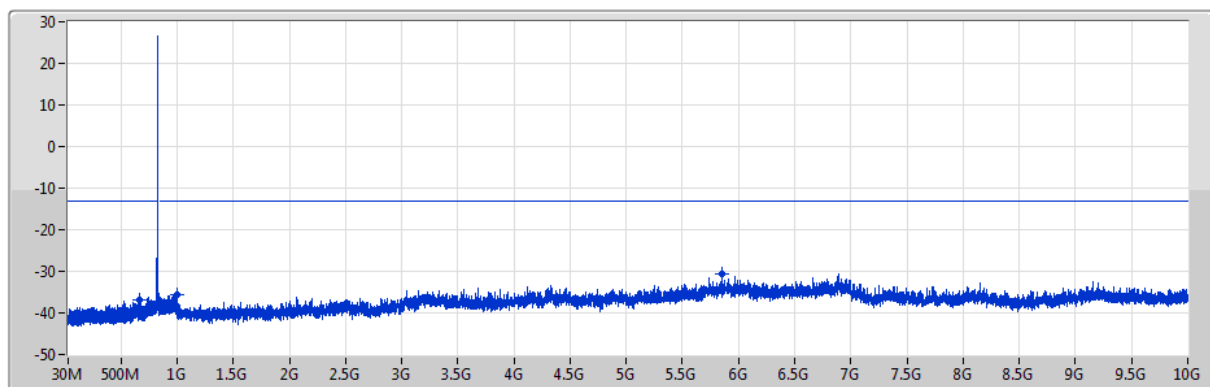


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	619.21M	-35.75	-13.00	-22.75	1	-
949M	1G	1M	3M	Peak	949.77M	-35.72	-13.00	-22.72	1	-
1G	10G	1M	3M	Peak	6.994G	-31.01	-13.00	-18.01	1	-

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

825.5MHz_QPSK_RB 1

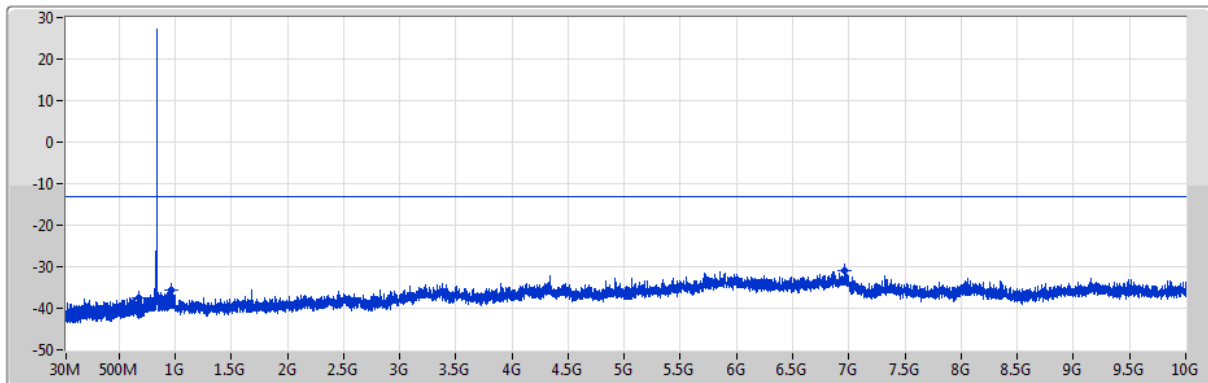


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	662.58M	-36.99	-13.00	-23.99	1	-
949M	1G	1M	3M	Peak	998.32M	-35.74	-13.00	-22.74	1	-
1G	10G	1M	3M	Peak	5.8573G	-30.50	-13.00	-17.50	1	-

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

836.5MHz_QPSK_RB 1

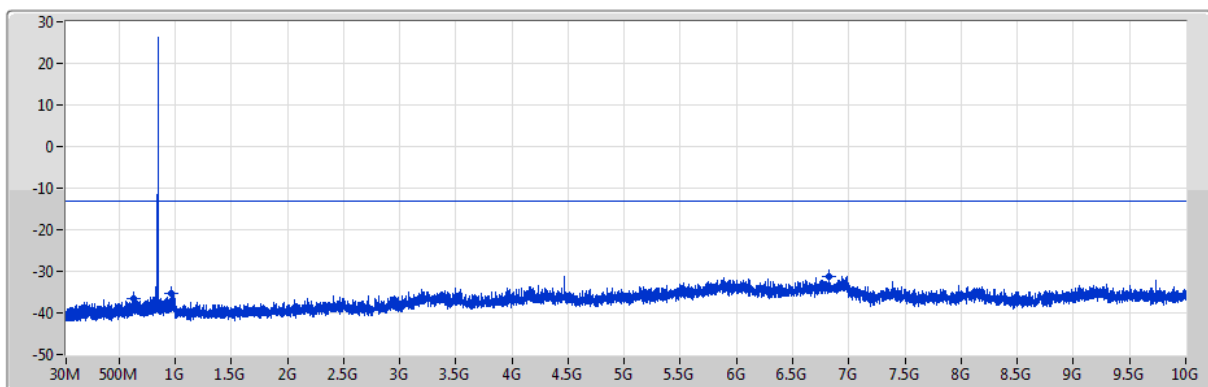


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	672.99M	-37.44	-13.00	-24.44	1	-
949M	1G	1M	3M	Peak	965.29M	-35.53	-13.00	-22.53	1	-
1G	10G	1M	3M	Peak	6.9643G	-30.91	-13.00	-17.91	1	-

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

847.5MHz_QPSK_RB 1

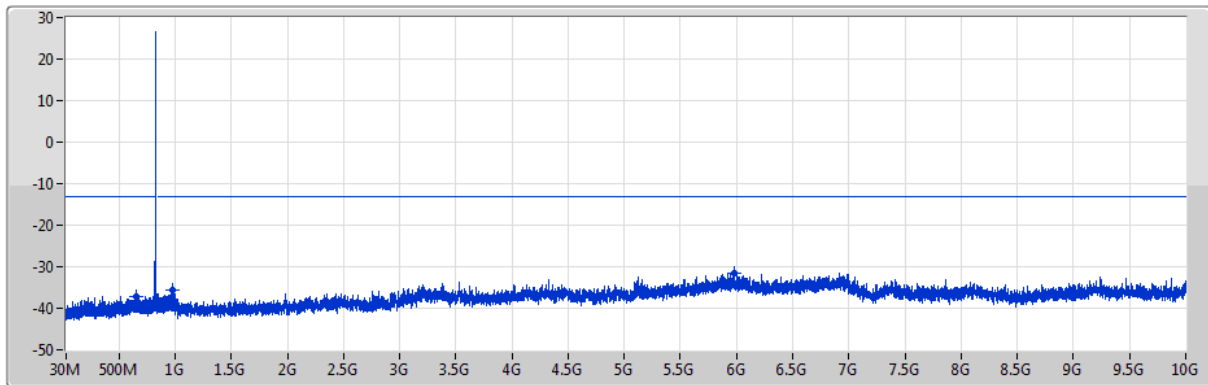


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	625.28M	-36.50	-13.00	-23.50	1	-
949M	1G	1M	3M	Peak	961.8M	-35.34	-13.00	-22.34	1	-
1G	10G	1M	3M	Peak	6.8212G	-31.33	-13.00	-18.33	1	-

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

824.7MHz_QPSK_RB 1



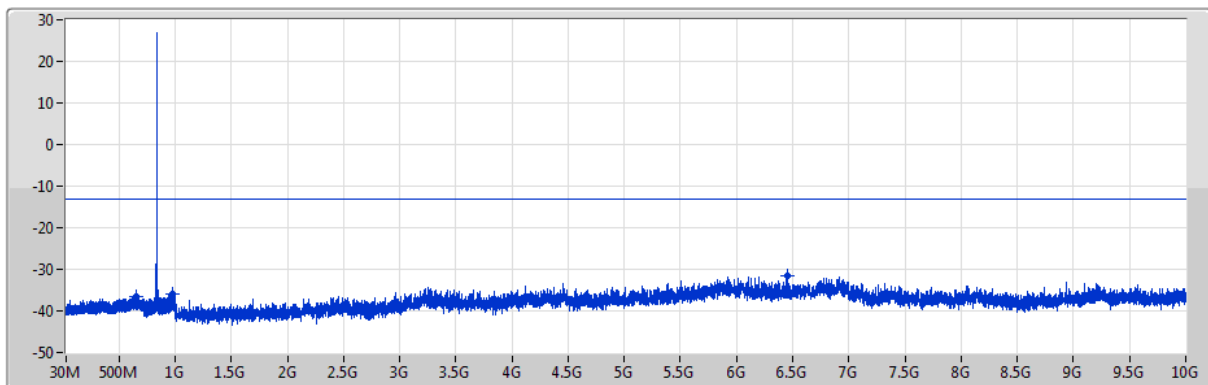
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	654.77M	-37.13	-13.00	-24.13	1	-
949M	1G	1M	3M	Peak	978.15M	-35.60	-13.00	-22.60	1	-
1G	10G	1M	3M	Peak	5.977G	-31.50	-13.00	-18.50	1	-

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

836.5MHz_QPSK_RB 1



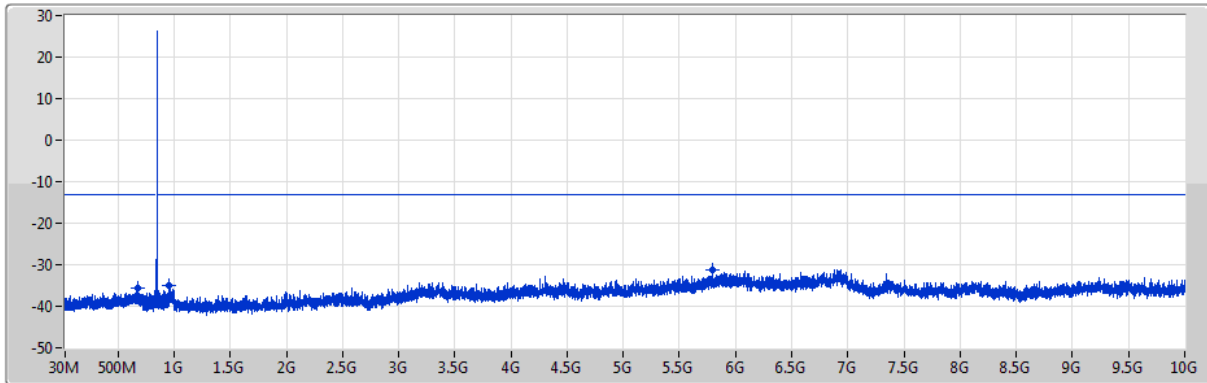
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	652M	-36.62	-13.00	-23.62	1	-
949M	1G	1M	3M	Peak	978.71M	-36.00	-13.00	-23.00	1	-
1G	10G	1M	3M	Peak	6.4585G	-31.58	-13.00	-18.58	1	-

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

848.3MHz_QPSK_RB 1



Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	724M	1M	3M	Peak	681.15M	-35.60	-13.00	-22.60	1	-
949M	1G	1M	3M	Peak	952.26M	-34.91	-13.00	-21.91	1	-
1G	10G	1M	3M	Peak	5.797G	-31.18	-13.00	-18.18	1	-

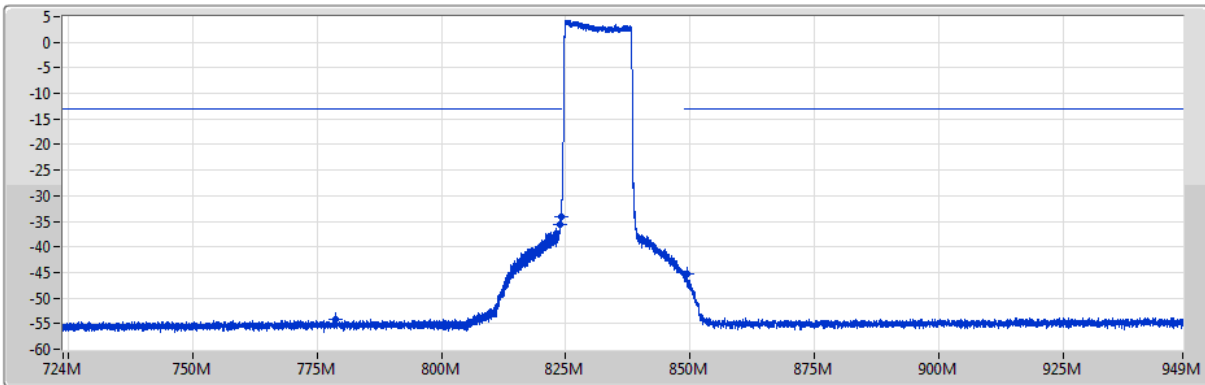
**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 26	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_15MHz_Nss1,QPSK_1TX	Pass	823.9M	824M	200k	1M	RMS	824M	-21.97	-13.00	-8.97	1	-	-
LTE_15MHz_Nss1,16QAM_1TX	Pass	823.9M	824M	200k	1M	RMS	824M	-21.46	-13.00	-8.46	1	-	-
LTE_15MHz_Nss1,64QAM_1TX	Pass	849M	849.1M	200k	1M	RMS	849M	-23.30	-13.00	-10.30	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	823.9M	824M	100k	300k	RMS	823.99M	-20.55	-13.00	-7.55	1	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	100k	300k	RMS	849M	-21.65	-13.00	-8.65	1	-	-
LTE_10MHz_Nss1,64QAM_1TX	Pass	823.9M	824M	100k	300k	RMS	824M	-23.39	-13.00	-10.39	1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	50k	200k	RMS	849M	-18.79	-13.00	-5.79	1	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	50k	200k	RMS	849M	-19.87	-13.00	-6.87	1	-	-
LTE_5MHz_Nss1,64QAM_1TX	Pass	849M	849.1M	50k	200k	RMS	849M	-20.28	-13.00	-7.28	1	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	30k	100k	RMS	849M	-21.34	-13.00	-8.34	1	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	30k	100k	RMS	849M	-19.43	-13.00	-6.43	1	-	-
LTE_3MHz_Nss1,64QAM_1TX	Pass	849M	849.1M	30k	100k	RMS	849M	-22.40	-13.00	-9.40	1	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	849M	849.1M	20k	100k	RMS	849M	-22.93	-13.00	-9.93	1	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	849M	849.1M	20k	100k	RMS	849M	-21.64	-13.00	-8.64	1	-	-
LTE_1.4MHz_Nss1,64QAM_1TX	Pass	849M	849.1M	20k	100k	RMS	849M	-24.59	-13.00	-11.59	1	-	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

831.5MHz_QPSK_RB 75,#RB 0



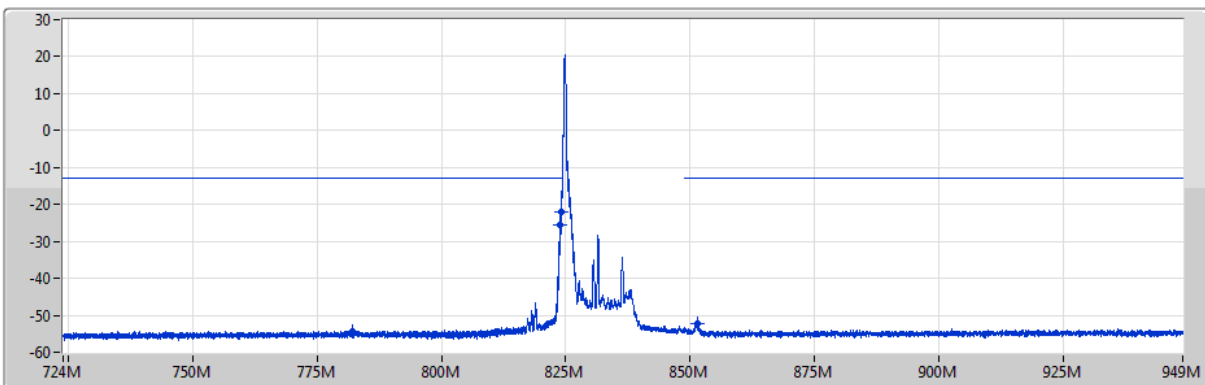
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	778.72M	-54.15	-13.00	-41.15	1	-
794M	823.9M	200k	1M	RMS	823.89M	-35.51	-13.00	-22.51	1	-
823.9M	824M	200k	1M	RMS	824M	-33.98	-13.00	-20.98	1	-
849M	949M	200k	1M	RMS	849.28M	-45.37	-13.00	-32.37	1	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

831.5MHz_QPSK_RB 1,#RB L



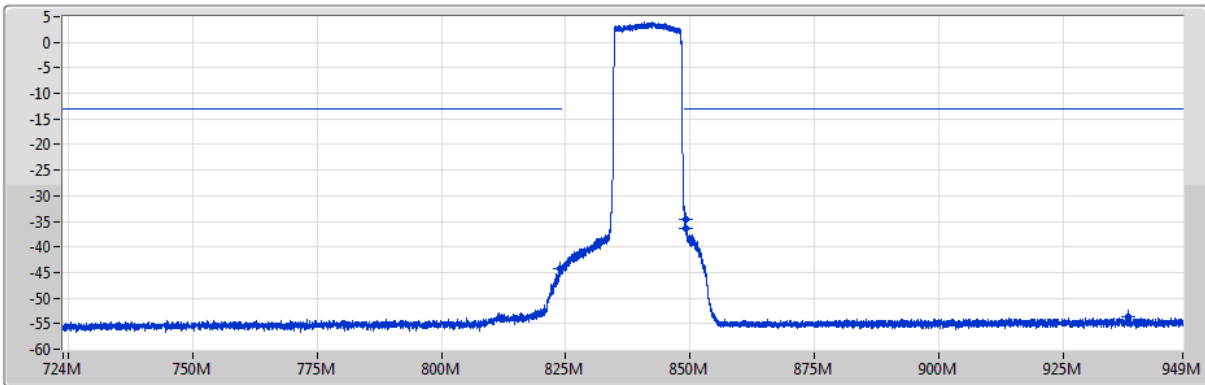
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	782.08M	-54.21	-13.00	-41.21	1	-
794M	823.9M	200k	1M	RMS	823.9M	-25.40	-13.00	-12.40	1	-
823.9M	824M	200k	1M	RMS	824M	-21.97	-13.00	-8.97	1	-
849M	949M	200k	1M	RMS	851.48M	-52.17	-13.00	-39.17	1	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

841.5MHz_QPSK_RB 75,#RB 0



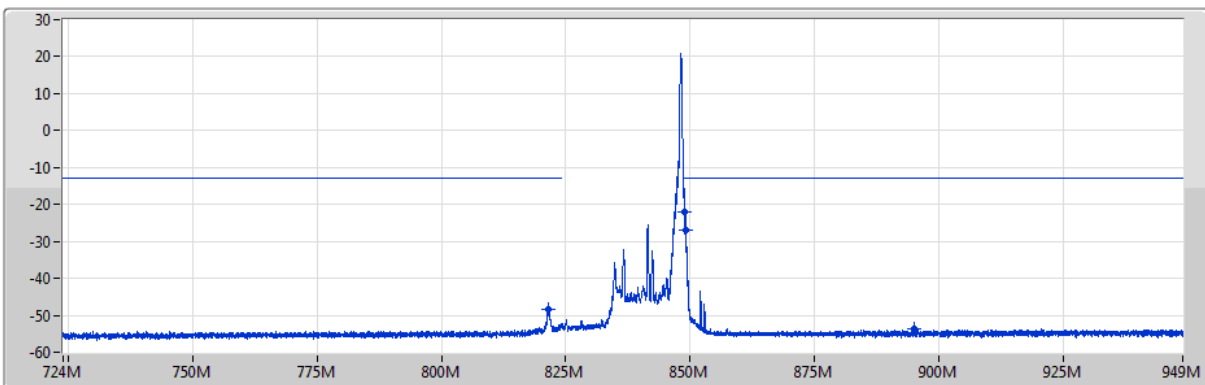
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	823.95M	-44.36	-13.00	-31.36	1	-
849M	849.1M	200k	1M	RMS	849.05M	-34.60	-13.00	-21.60	1	-
849.1M	879M	200k	1M	RMS	849.1M	-36.26	-13.00	-23.26	1	-
879M	949M	200k	1M	RMS	938.06M	-53.72	-13.00	-40.72	1	-

Band 26_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Port

841.5MHz_QPSK_RB 1,#RB H



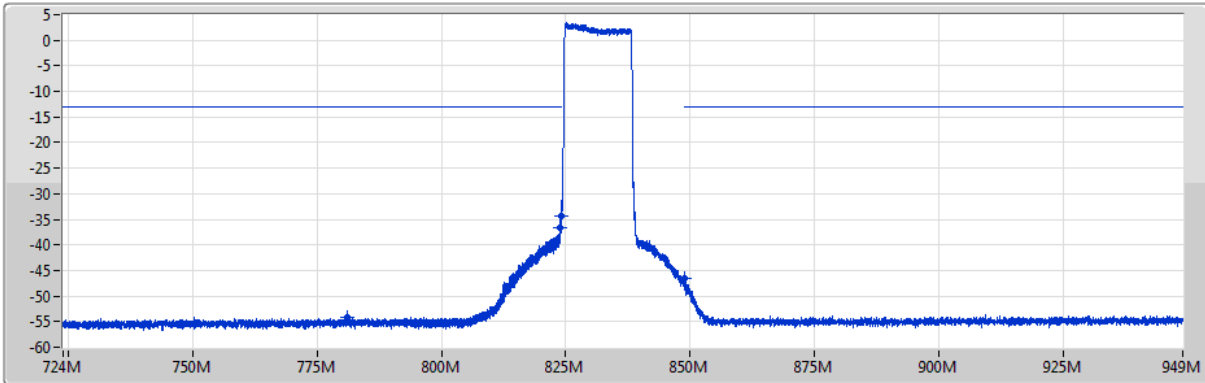
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	821.45M	-48.42	-13.00	-35.42	1	-
849M	849.1M	200k	1M	RMS	849M	-22.02	-13.00	-9.02	1	-
849.1M	879M	200k	1M	RMS	849.13M	-26.83	-13.00	-13.83	1	-
879M	949M	200k	1M	RMS	895.03M	-53.78	-13.00	-40.78	1	-

Band 26_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Port

831.5MHz_16QAM_RB 75,#RB 0



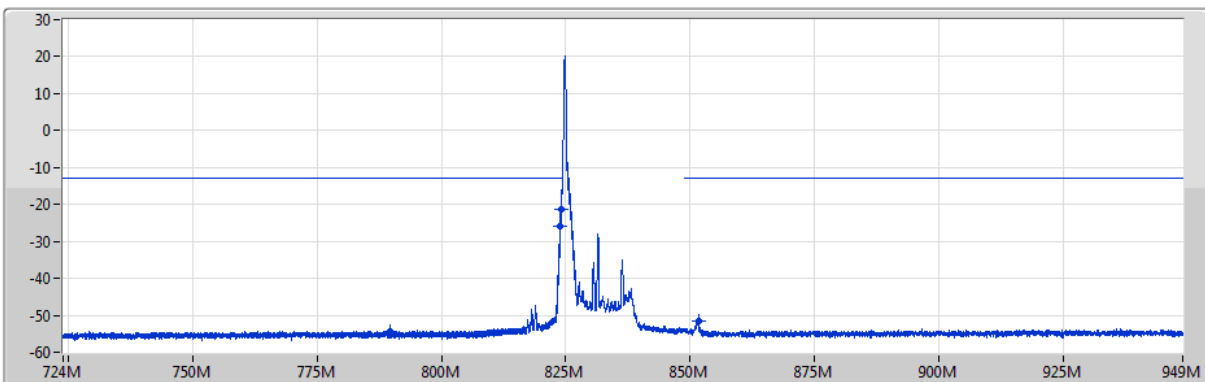
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	781.21M	-54.18	-13.00	-41.18	1	-
794M	823.9M	200k	1M	RMS	823.85M	-36.66	-13.00	-23.66	1	-
823.9M	824M	200k	1M	RMS	824M	-34.42	-13.00	-21.42	1	-
849M	949M	200k	1M	RMS	849M	-46.52	-13.00	-33.52	1	-

Band 26_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Port

831.5MHz_16QAM_RB 1,#RB L



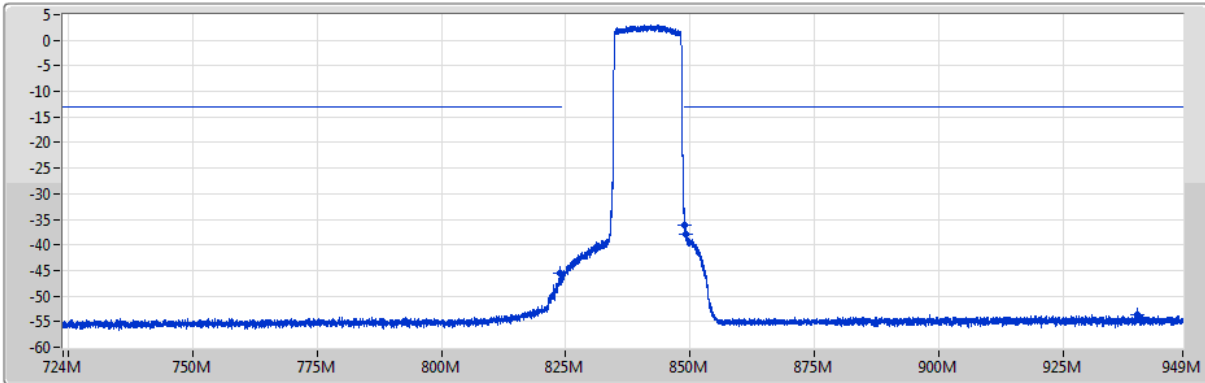
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	789.77M	-54.22	-13.00	-41.22	1	-
794M	823.9M	200k	1M	RMS	823.89M	-25.87	-13.00	-12.87	1	-
823.9M	824M	200k	1M	RMS	824M	-21.46	-13.00	-8.46	1	-
849M	949M	200k	1M	RMS	851.63M	-51.39	-13.00	-38.39	1	-

Band 26_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Port

841.5MHz_16QAM_RB 75,#RB 0



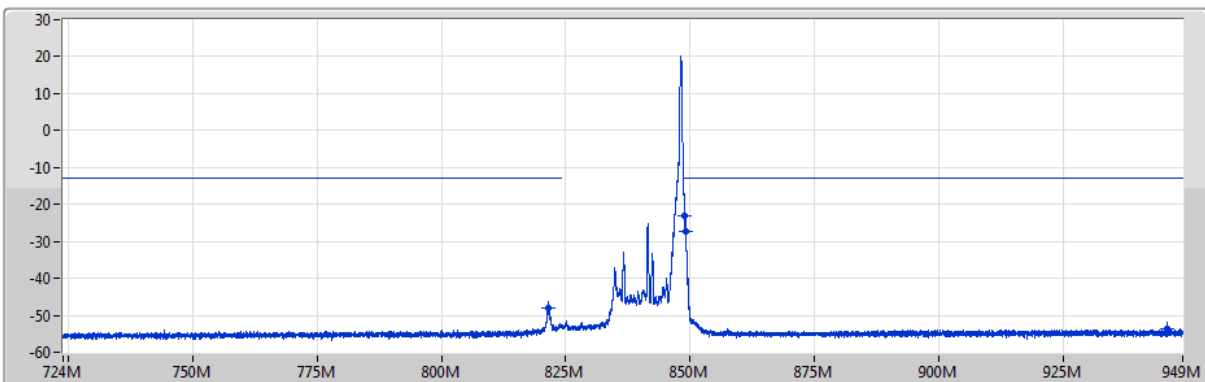
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	823.95M	-45.63	-13.00	-32.63	1	-
849M	849.1M	200k	1M	RMS	849M	-36.04	-13.00	-23.04	1	-
849.1M	879M	200k	1M	RMS	849.13M	-37.80	-13.00	-24.80	1	-
879M	949M	200k	1M	RMS	939.97M	-53.76	-13.00	-40.76	1	-

Band 26_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Port

841.5MHz_16QAM_RB 1,#RB H



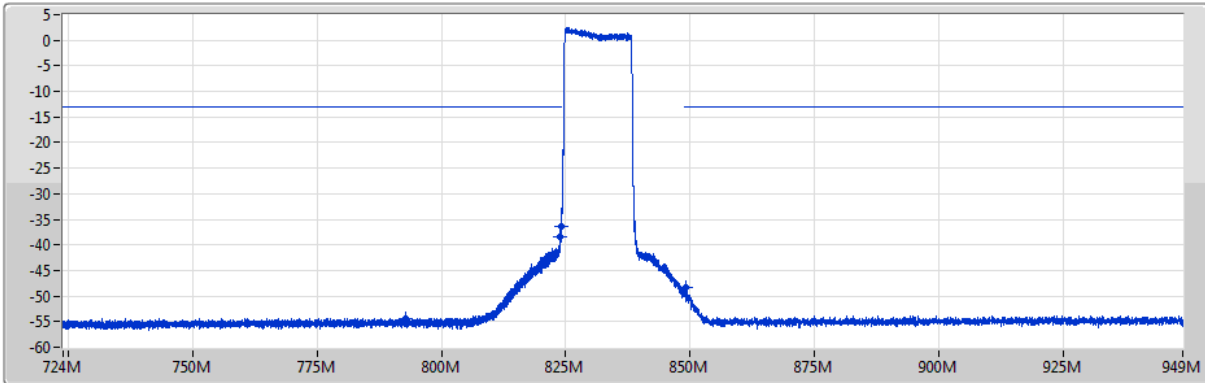
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	821.58M	-47.96	-13.00	-34.96	1	-
849M	849.1M	200k	1M	RMS	849M	-23.10	-13.00	-10.10	1	-
849.1M	879M	200k	1M	RMS	849.11M	-27.13	-13.00	-14.13	1	-
879M	949M	200k	1M	RMS	945.99M	-53.70	-13.00	-40.70	1	-

Band 26_LTE_15MHz_Nss1,64QAM_1TX

CSE-TX-Port

831.5MHz_64QAM_RB 75,#RB 0



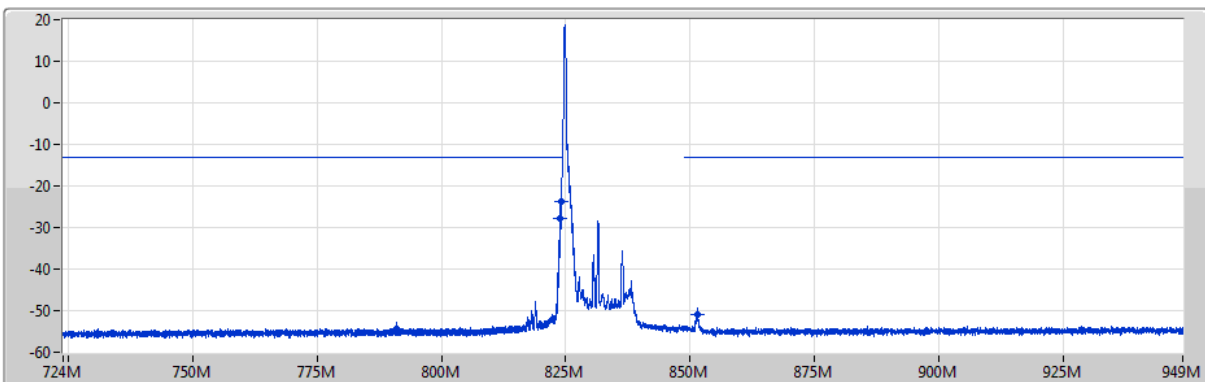
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	792.81M	-54.34	-13.00	-41.34	1	-
794M	823.9M	200k	1M	RMS	823.9M	-38.40	-13.00	-25.40	1	-
823.9M	824M	200k	1M	RMS	824M	-36.37	-13.00	-23.37	1	-
849M	949M	200k	1M	RMS	849.08M	-48.40	-13.00	-35.40	1	-

Band 26_LTE_15MHz_Nss1,64QAM_1TX

CSE-TX-Port

831.5MHz_64QAM_RB 1,#RB L



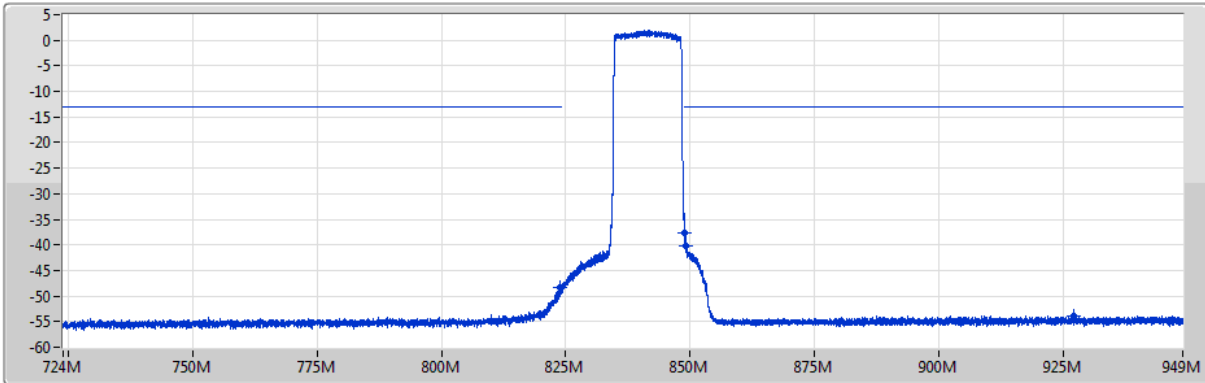
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	794M	200k	1M	RMS	790.97M	-54.29	-13.00	-41.29	1	-
794M	823.9M	200k	1M	RMS	823.9M	-27.82	-13.00	-14.82	1	-
823.9M	824M	200k	1M	RMS	823.99M	-23.70	-13.00	-10.70	1	-
849M	949M	200k	1M	RMS	851.43M	-51.00	-13.00	-38.00	1	-

Band 26_LTE_15MHz_Nss1,64QAM_1TX

CSE-TX-Port

841.5MHz_64QAM_RB 75,#RB 0



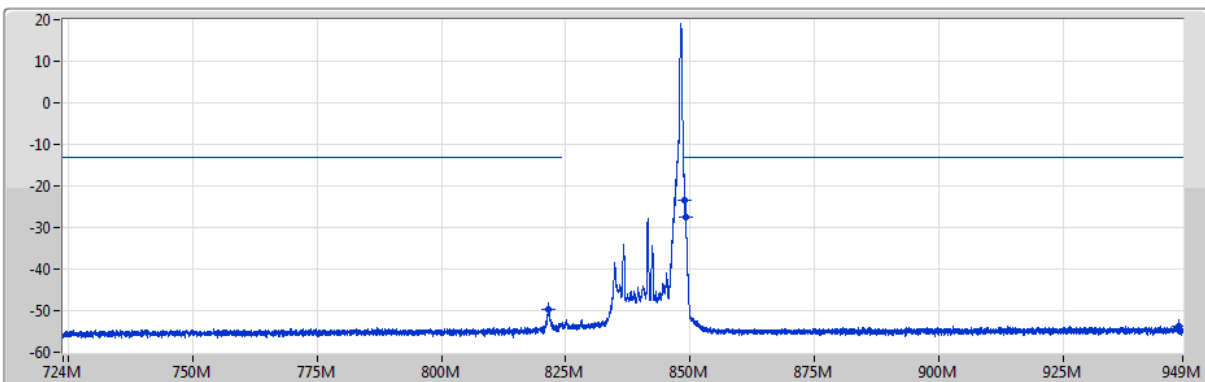
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	823.8M	-48.30	-13.00	-35.30	1	-
849M	849.1M	200k	1M	RMS	849M	-37.57	-13.00	-24.57	1	-
849.1M	879M	200k	1M	RMS	849.1M	-40.10	-13.00	-27.10	1	-
879M	949M	200k	1M	RMS	927.04M	-53.91	-13.00	-40.91	1	-

Band 26_LTE_15MHz_Nss1,64QAM_1TX

CSE-TX-Port

841.5MHz_64QAM_RB 1,#RB H



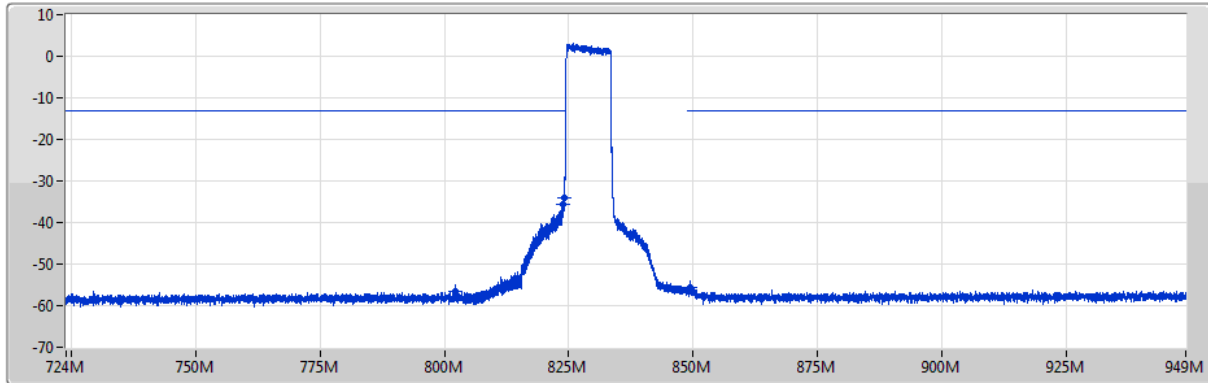
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	200k	1M	RMS	821.45M	-49.61	-13.00	-36.61	1	-
849M	849.1M	200k	1M	RMS	849M	-23.30	-13.00	-10.30	1	-
849.1M	879M	200k	1M	RMS	849.13M	-27.63	-13.00	-14.63	1	-
879M	949M	200k	1M	RMS	948.21M	-53.80	-13.00	-40.80	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

829MHz_QPSK_RB 50,#RB 0

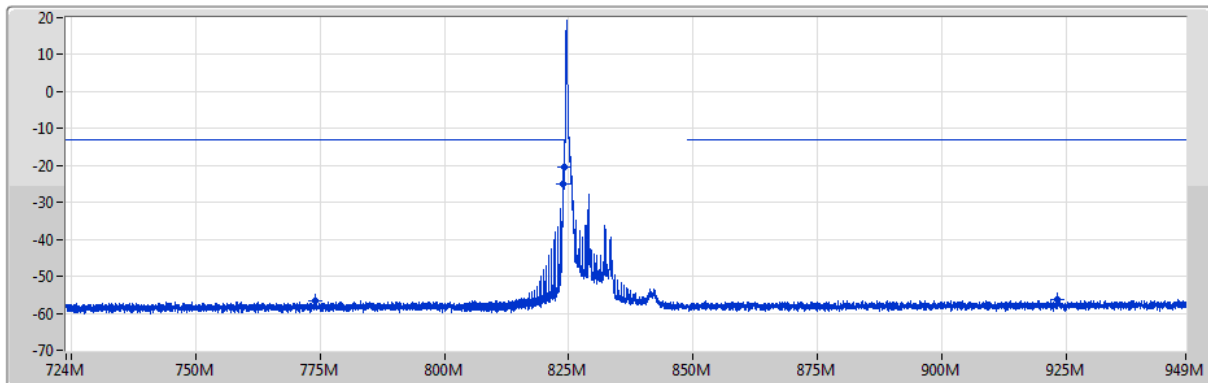


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	802.3M	-56.63	-13.00	-43.63	1	-
804M	823.9M	100k	300k	RMS	823.9M	-35.77	-13.00	-22.77	1	-
823.9M	824M	100k	300k	RMS	824M	-34.12	-13.00	-21.12	1	-
849M	949M	100k	300k	RMS	849.43M	-55.54	-13.00	-42.54	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

829MHz_QPSK_RB 1,#RB L

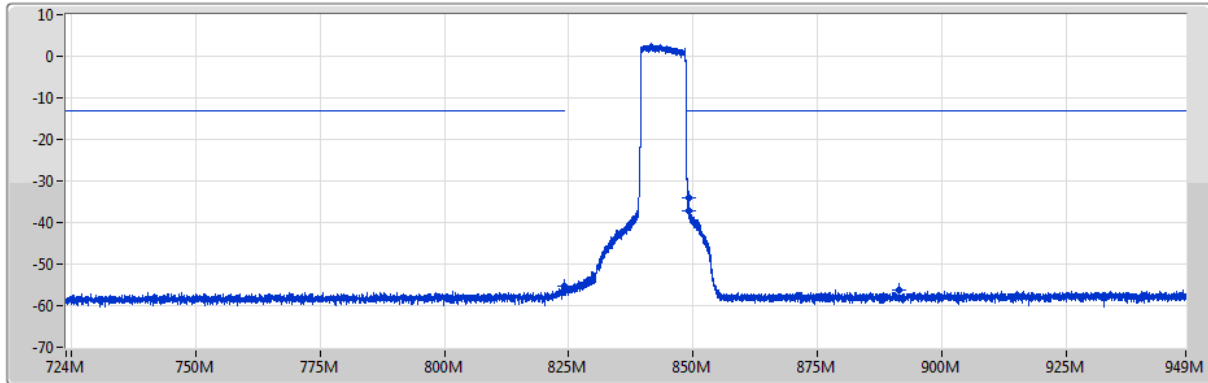


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	774.1M	-56.74	-13.00	-43.74	1	-
804M	823.9M	100k	300k	RMS	823.78M	-24.83	-13.00	-11.83	1	-
823.9M	824M	100k	300k	RMS	823.99M	-20.55	-13.00	-7.55	1	-
849M	949M	100k	300k	RMS	923.18M	-56.34	-13.00	-43.34	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

844MHz_QPSK_RB 50,#RB 0



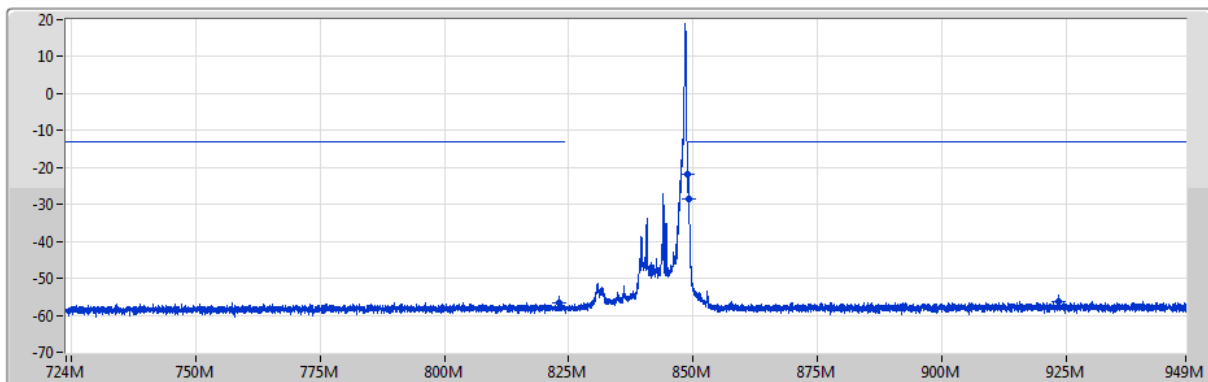
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	824M	-55.40	-13.00	-42.40	1	-
849M	849.1M	100k	300k	RMS	849.03M	-34.11	-13.00	-21.11	1	-
849.1M	869M	100k	300k	RMS	849.13M	-37.11	-13.00	-24.11	1	-
869M	949M	100k	300k	RMS	891.4M	-56.29	-13.00	-43.29	1	-

Band 26_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

844MHz_QPSK_RB 1,#RB H



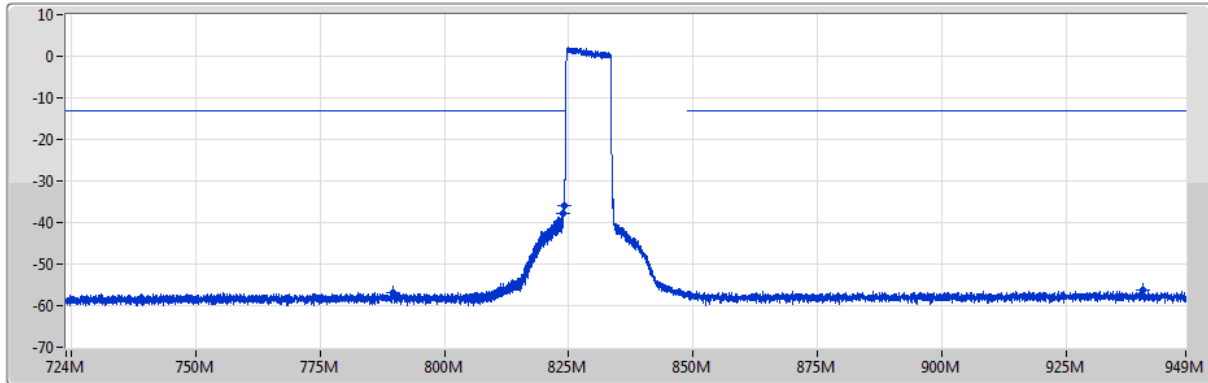
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	822.95M	-56.49	-13.00	-43.49	1	-
849M	849.1M	100k	300k	RMS	849M	-21.82	-13.00	-8.82	1	-
849.1M	869M	100k	300k	RMS	849.1M	-28.49	-13.00	-15.49	1	-
869M	949M	100k	300k	RMS	923.32M	-56.26	-13.00	-43.26	1	-

Band 26_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

829MHz_16QAM_RB 50,#RB 0

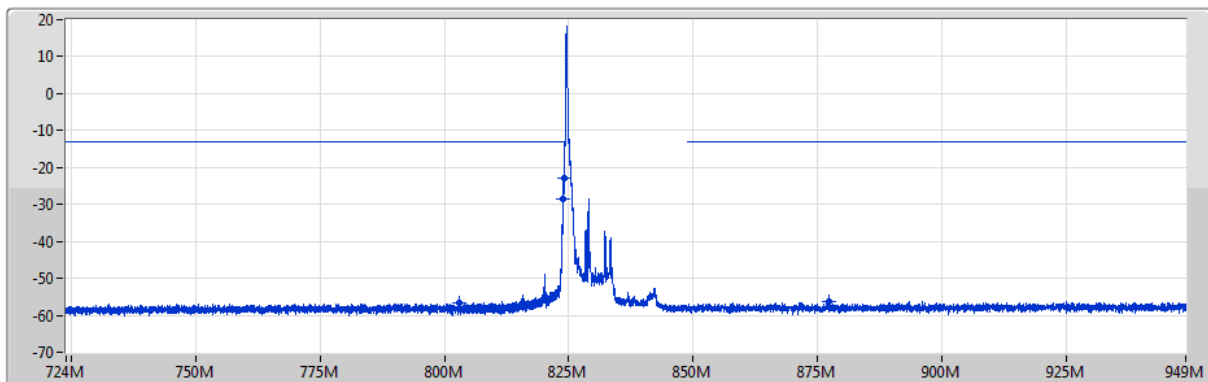


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	789.6M	-56.91	-13.00	-43.91	1	-
804M	823.9M	100k	300k	RMS	823.9M	-37.86	-13.00	-24.86	1	-
823.9M	824M	100k	300k	RMS	824M	-35.87	-13.00	-22.87	1	-
849M	949M	100k	300k	RMS	940.28M	-56.39	-13.00	-43.39	1	-

Band 26_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

829MHz_16QAM_RB 1,#RB L

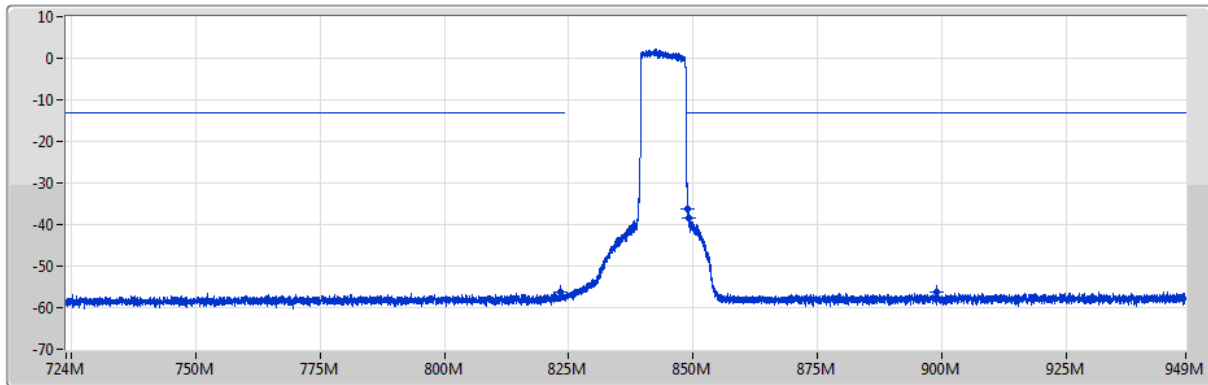


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	802.92M	-56.72	-13.00	-43.72	1	-
804M	823.9M	100k	300k	RMS	823.88M	-28.45	-13.00	-15.45	1	-
823.9M	824M	100k	300k	RMS	824M	-22.99	-13.00	-9.99	1	-
849M	949M	100k	300k	RMS	877.4M	-56.29	-13.00	-43.29	1	-

Band 26_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

844MHz_16QAM_RB 50,#RB 0



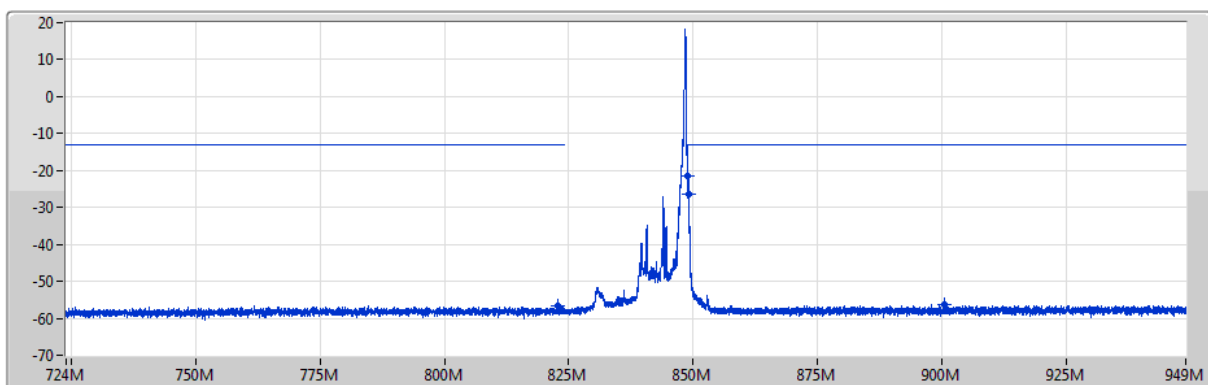
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	823.45M	-56.36	-13.00	-43.36	1	-
849M	849.1M	100k	300k	RMS	849M	-36.19	-13.00	-23.19	1	-
849.1M	869M	100k	300k	RMS	849.13M	-38.54	-13.00	-25.54	1	-
869M	949M	100k	300k	RMS	898.84M	-56.22	-13.00	-43.22	1	-

Band 26_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

844MHz_16QAM_RB 1,#RB H



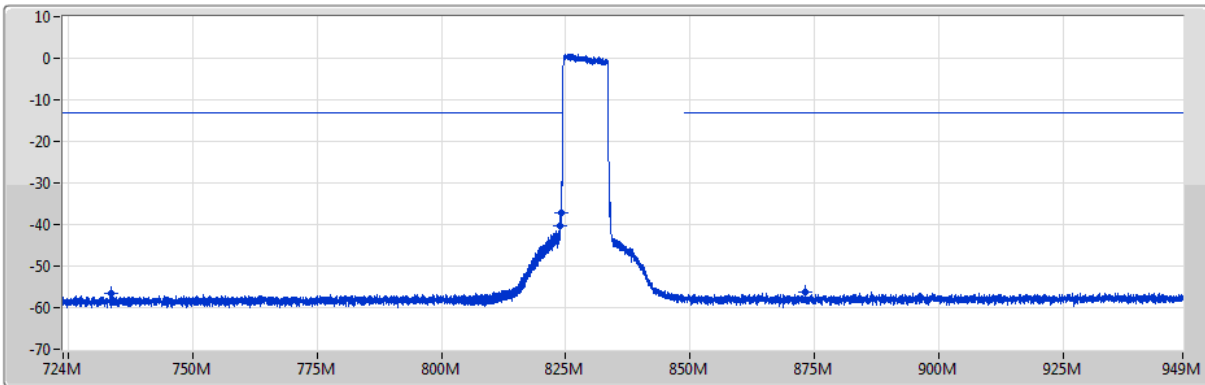
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	822.93M	-56.68	-13.00	-43.68	1	-
849M	849.1M	100k	300k	RMS	849M	-21.65	-13.00	-8.65	1	-
849.1M	869M	100k	300k	RMS	849.11M	-26.58	-13.00	-13.58	1	-
869M	949M	100k	300k	RMS	900.48M	-56.25	-13.00	-43.25	1	-

Band 26_LTE_10MHz_Nss1,64QAM_1TX

CSE-TX-Port

829MHz_64QAM_RB 50,#RB 0



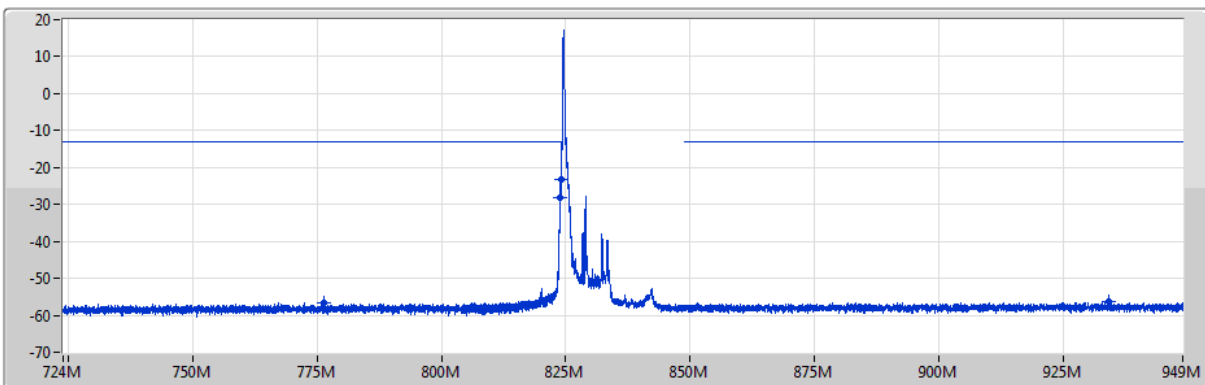
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	733.52M	-56.48	-13.00	-43.48	1	-
804M	823.9M	100k	300k	RMS	823.84M	-40.42	-13.00	-27.42	1	-
823.9M	824M	100k	300k	RMS	824M	-37.17	-13.00	-24.17	1	-
849M	949M	100k	300k	RMS	873.03M	-56.12	-13.00	-43.12	1	-

Band 26_LTE_10MHz_Nss1,64QAM_1TX

CSE-TX-Port

829MHz_64QAM_RB 1,#RB L



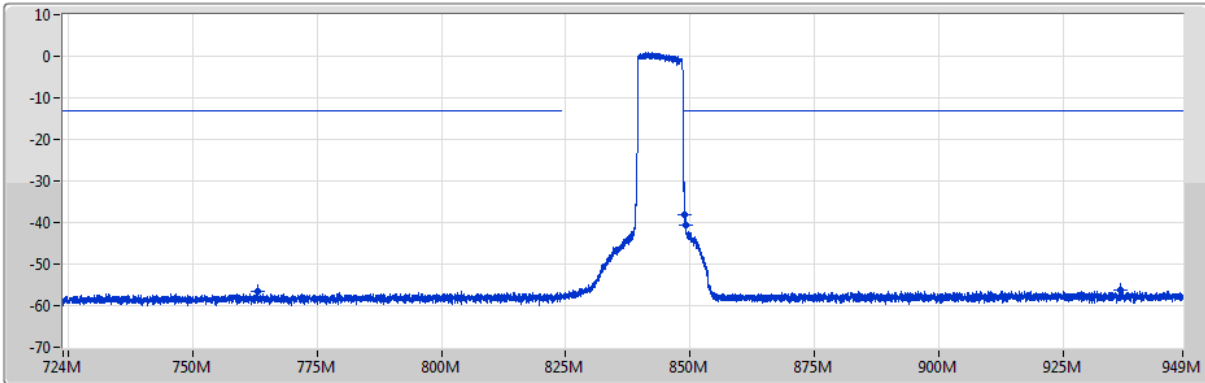
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	804M	100k	300k	RMS	776.3M	-56.73	-13.00	-43.73	1	-
804M	823.9M	100k	300k	RMS	823.88M	-28.22	-13.00	-15.22	1	-
823.9M	824M	100k	300k	RMS	824M	-23.39	-13.00	-10.39	1	-
849M	949M	100k	300k	RMS	934.18M	-56.36	-13.00	-43.36	1	-

Band 26_LTE_10MHz_Nss1,64QAM_1TX

CSE-TX-Port

844MHz_64QAM_RB 50,#RB 0



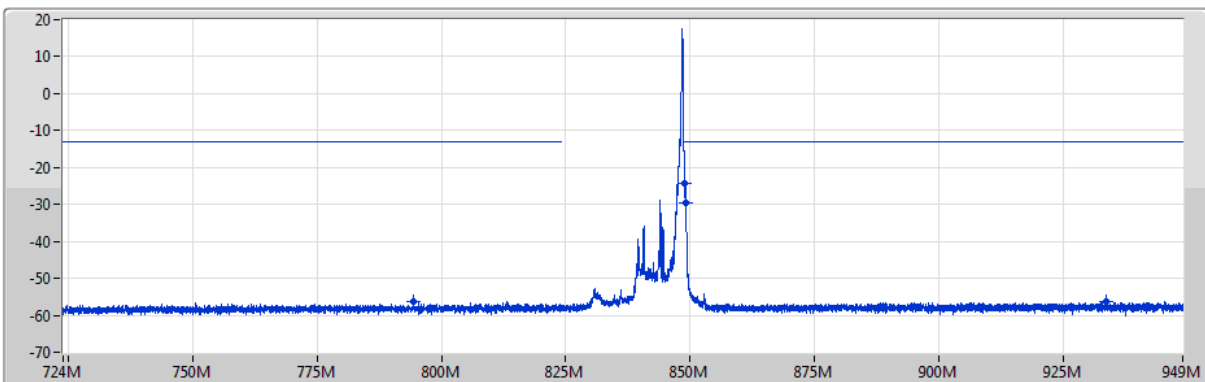
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	763.08M	-56.54	-13.00	-43.54	1	-
849M	849.1M	100k	300k	RMS	849M	-38.13	-13.00	-25.13	1	-
849.1M	869M	100k	300k	RMS	849.17M	-40.76	-13.00	-27.76	1	-
869M	949M	100k	300k	RMS	936.52M	-56.39	-13.00	-43.39	1	-

Band 26_LTE_10MHz_Nss1,64QAM_1TX

CSE-TX-Port

844MHz_64QAM_RB 1,#RB H



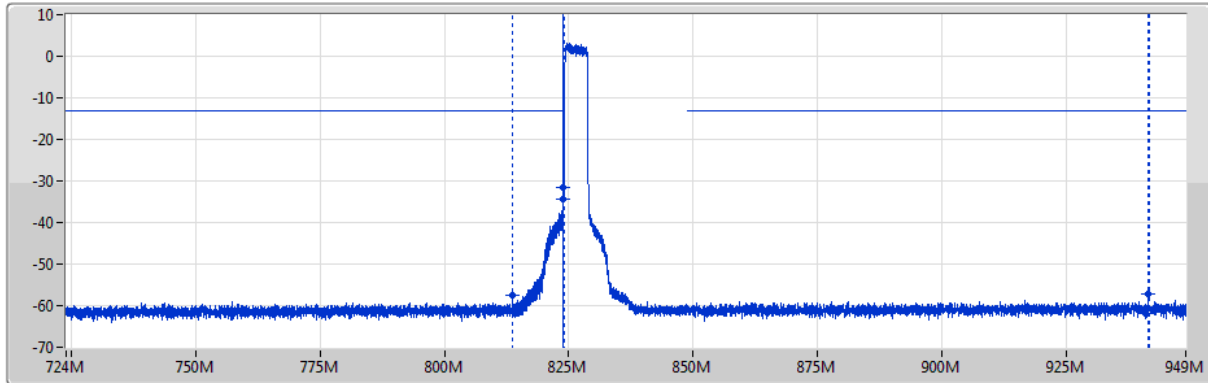
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	100k	300k	RMS	794.5M	-56.41	-13.00	-43.41	1	-
849M	849.1M	100k	300k	RMS	849M	-24.37	-13.00	-11.37	1	-
849.1M	869M	100k	300k	RMS	849.11M	-29.42	-13.00	-16.42	1	-
869M	949M	100k	300k	RMS	933.72M	-56.16	-13.00	-43.16	1	-

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

826.5MHz_QPSK_RB 25,#RB 0



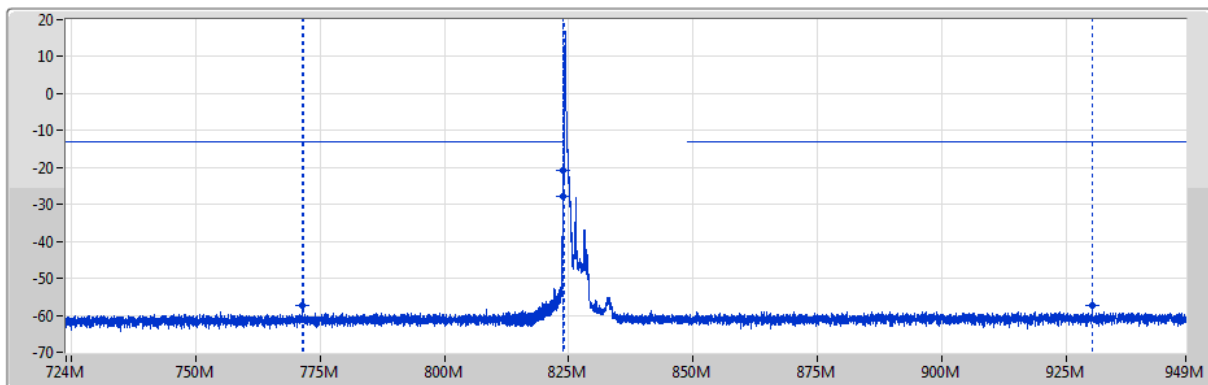
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	813.65M	-57.44	-13.00	-44.44	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-34.53	-13.00	-21.53	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-31.50	-13.00	-18.50	1	MBW 100k
849M	949M	50k	200k	RMS	941.55M	-57.33	-13.00	-44.33	1	MBW 100k

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

826.5MHz_QPSK_RB 1,#RB L



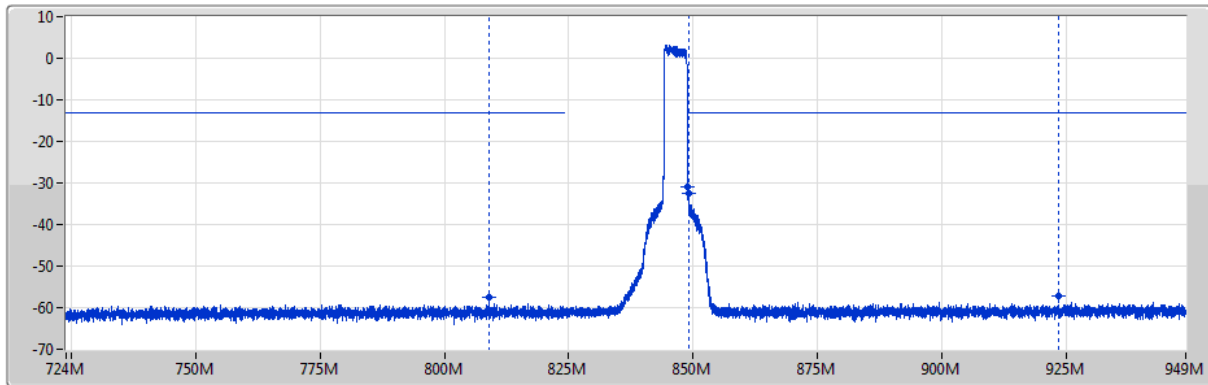
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	771.55M	-57.45	-13.00	-44.45	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-27.85	-13.00	-14.85	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-20.91	-13.00	-7.91	1	MBW 100k
849M	949M	50k	200k	RMS	930.15M	-57.32	-13.00	-44.32	1	MBW 100k

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

846.5MHz_QPSK_RB 25,#RB 0



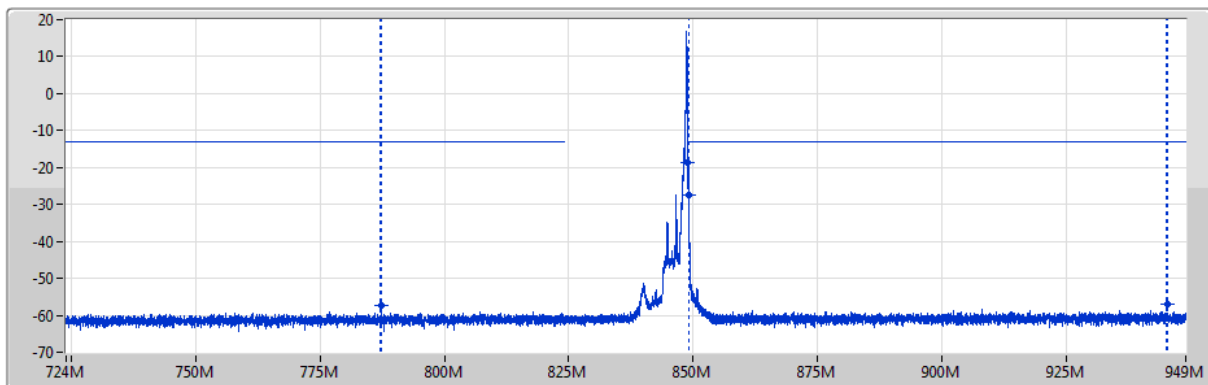
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	809.05M	-57.59	-13.00	-44.59	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-30.79	-13.00	-17.79	1	-
849.1M	859M	50k	200k	RMS	849.15M	-32.45	-13.00	-19.45	1	MBW 100k
859M	949M	50k	200k	RMS	923.45M	-57.09	-13.00	-44.09	1	MBW 100k

Band 26_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

846.5MHz_QPSK_RB 1,#RB H



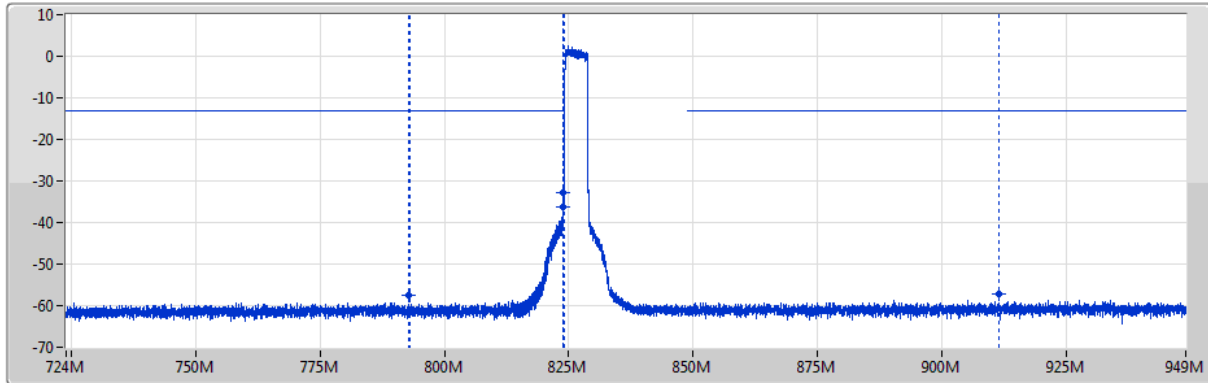
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	787.25M	-57.46	-13.00	-44.46	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-18.79	-13.00	-5.79	1	-
849.1M	859M	50k	200k	RMS	849.15M	-27.60	-13.00	-14.60	1	MBW 100k
859M	949M	50k	200k	RMS	945.25M	-57.12	-13.00	-44.12	1	MBW 100k

Band 26_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

826.5MHz_16QAM_RB 25,#RB 0



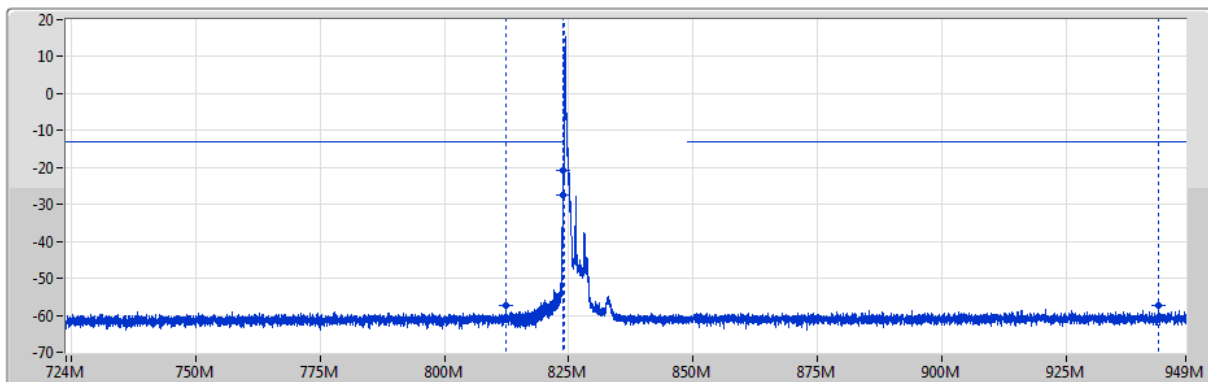
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	792.95M	-57.55	-13.00	-44.55	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-36.24	-13.00	-23.24	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-32.85	-13.00	-19.85	1	MBW 100k
849M	949M	50k	200k	RMS	911.45M	-57.15	-13.00	-44.15	1	MBW 100k

Band 26_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

826.5MHz_16QAM_RB 1,#RB L



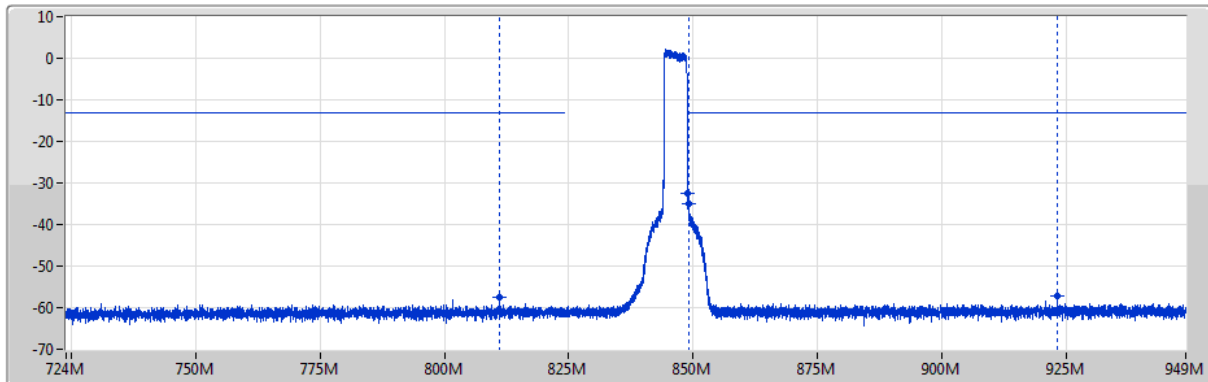
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	812.35M	-57.25	-13.00	-44.25	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-27.54	-13.00	-14.54	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-20.77	-13.00	-7.77	1	MBW 100k
849M	949M	50k	200k	RMS	943.55M	-57.24	-13.00	-44.24	1	MBW 100k

Band 26_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

846.5MHz_16QAM_RB 25,#RB 0



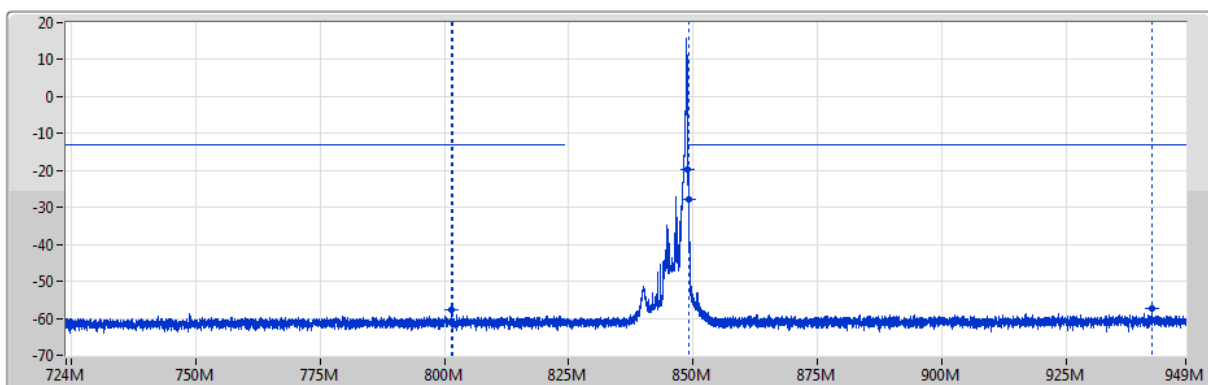
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	811.15M	-57.39	-13.00	-44.39	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-32.55	-13.00	-19.55	1	-
849.1M	859M	50k	200k	RMS	849.15M	-34.87	-13.00	-21.87	1	MBW 100k
859M	949M	50k	200k	RMS	923.15M	-57.26	-13.00	-44.26	1	MBW 100k

Band 26_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

846.5MHz_16QAM_RB 1,#RB H



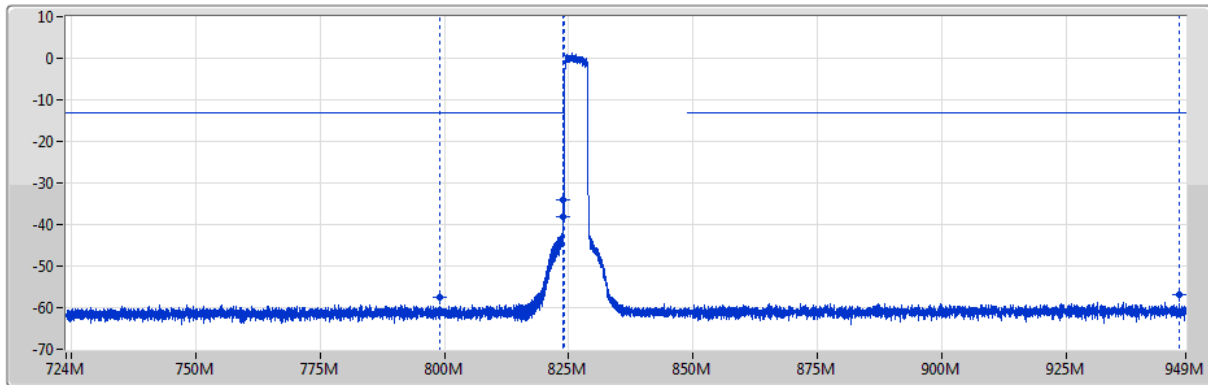
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	801.55M	-57.54	-13.00	-44.54	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-19.87	-13.00	-6.87	1	-
849.1M	859M	50k	200k	RMS	849.15M	-27.82	-13.00	-14.82	1	MBW 100k
859M	949M	50k	200k	RMS	942.15M	-57.25	-13.00	-44.25	1	MBW 100k

Band 26_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Port

826.5MHz_64QAM_RB 25,#RB 0

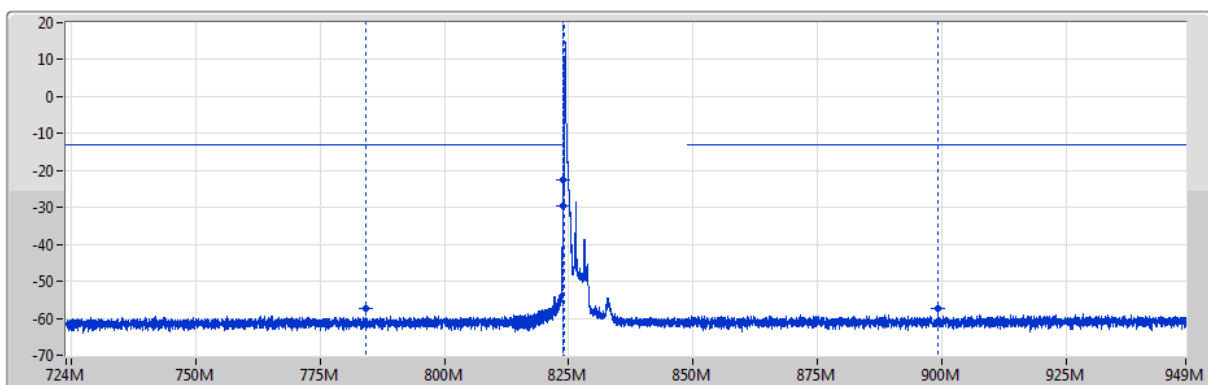


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	799.15M	-57.39	-13.00	-44.39	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-38.20	-13.00	-25.20	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-34.19	-13.00	-21.19	1	MBW 100k
849M	949M	50k	200k	RMS	947.75M	-56.99	-13.00	-43.99	1	MBW 100k

Band 26_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Port

826.5MHz_64QAM_RB 1,#RB L

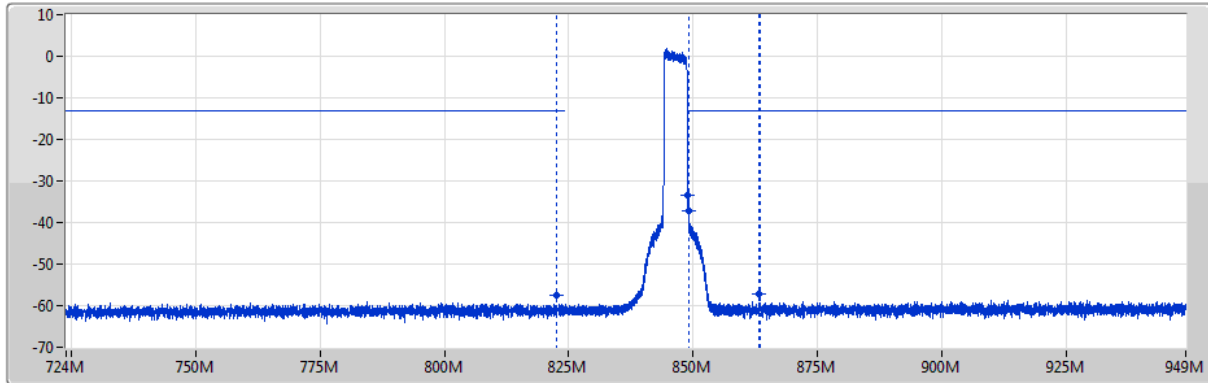


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	814M	50k	200k	RMS	784.15M	-57.49	-13.00	-44.49	1	MBW 100k
814M	823.9M	50k	200k	RMS	823.85M	-29.47	-13.00	-16.47	1	MBW 100k
823.9M	824M	50k	200k	RMS	823.95M	-22.71	-13.00	-9.71	1	MBW 100k
849M	949M	50k	200k	RMS	899.15M	-57.28	-13.00	-44.28	1	MBW 100k

Band 26_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Port

846.5MHz_64QAM_RB 25,#RB 0



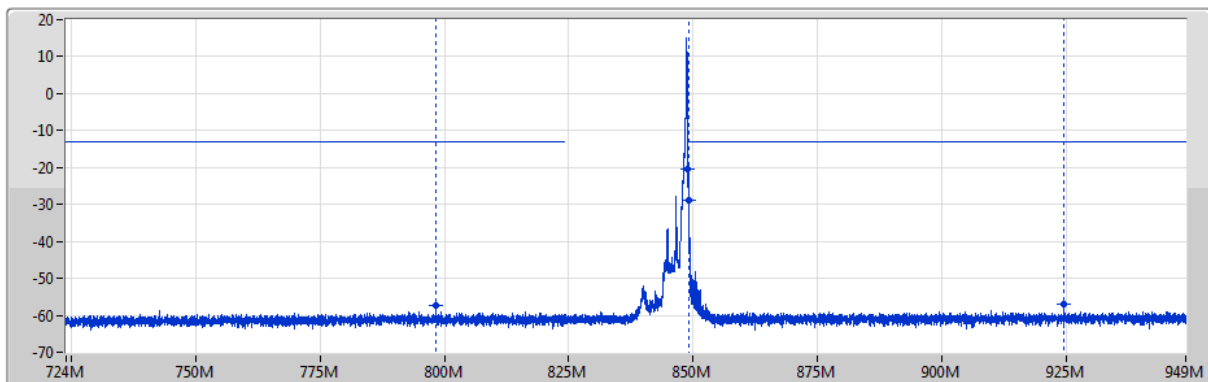
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	822.55M	-57.64	-13.00	-44.64	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-33.59	-13.00	-20.59	1	-
849.1M	859M	50k	200k	RMS	849.15M	-37.25	-13.00	-24.25	1	MBW 100k
859M	949M	50k	200k	RMS	863.35M	-57.14	-13.00	-44.14	1	MBW 100k

Band 26_LTE_5MHz_Nss1,64QAM_1TX

CSE-TX-Port

846.5MHz_64QAM_RB 1,#RB H



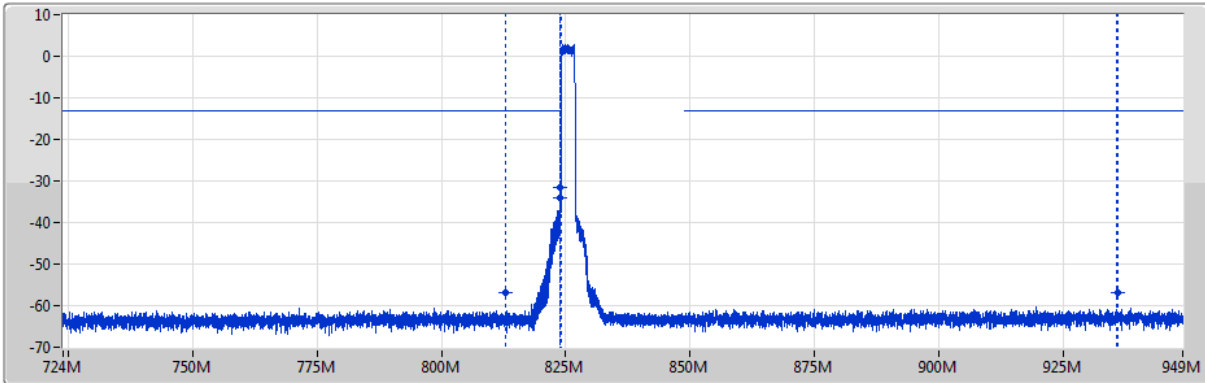
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	50k	200k	RMS	798.35M	-57.42	-13.00	-44.42	1	MBW 100k
849M	849.1M	50k	200k	RMS	849M	-20.28	-13.00	-7.28	1	-
849.1M	859M	50k	200k	RMS	849.15M	-28.79	-13.00	-15.79	1	MBW 100k
859M	949M	50k	200k	RMS	924.45M	-57.12	-13.00	-44.12	1	MBW 100k

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

825.5MHz_QPSK_RB 15,#RB 0



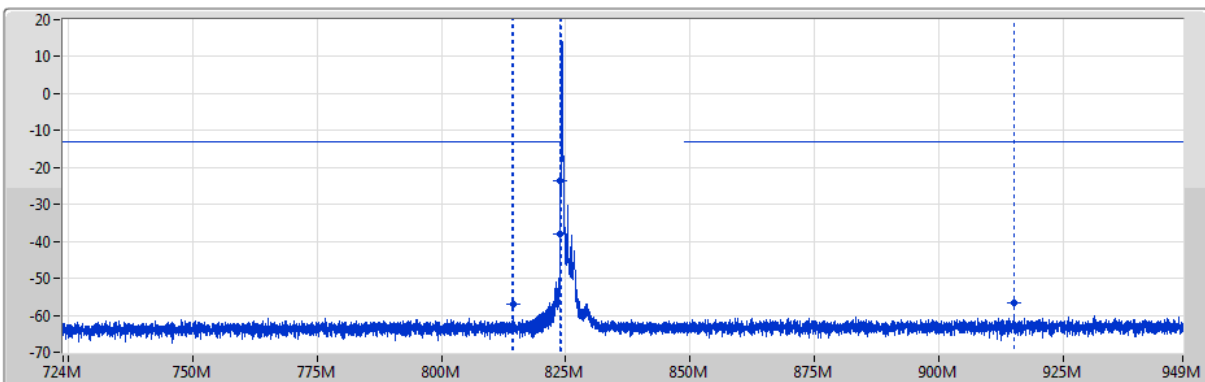
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	812.95M	-56.98	-13.00	-43.98	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-34.02	-13.00	-21.02	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-31.60	-13.00	-18.60	1	MBW 100k
849M	949M	30k	100k	RMS	935.85M	-56.87	-13.00	-43.87	1	MBW 100k

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

825.5MHz_QPSK_RB 1,#RB L



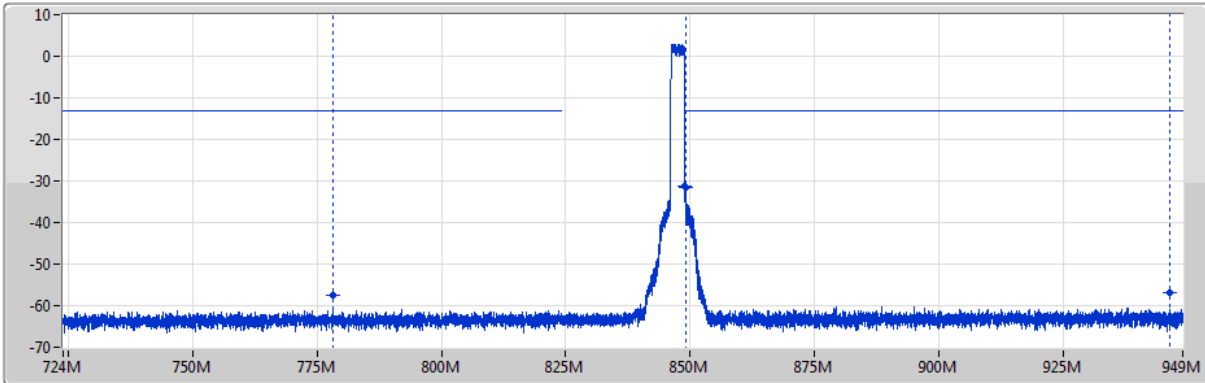
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	814.35M	-56.83	-13.00	-43.83	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-37.94	-13.00	-24.94	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-23.45	-13.00	-10.45	1	MBW 100k
849M	949M	30k	100k	RMS	915.05M	-56.78	-13.00	-43.78	1	MBW 100k

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

847.5MHz_QPSK_RB 15,#RB 0

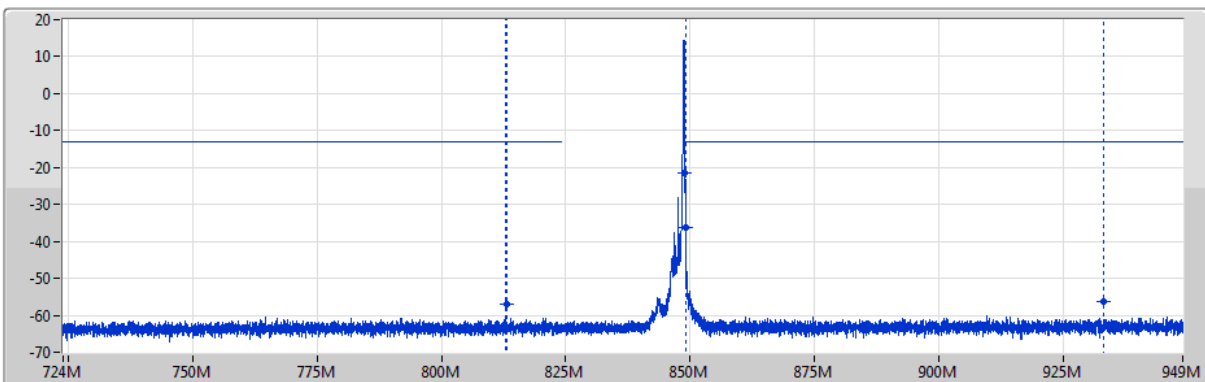


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	778.25M	-57.47	-13.00	-44.47	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-31.31	-13.00	-18.31	1	-
849.1M	855M	30k	100k	RMS	849.15M	-31.62	-13.00	-18.62	1	MBW 100k
855M	949M	30k	100k	RMS	946.45M	-56.94	-13.00	-43.94	1	MBW 100k

Band 26_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

847.5MHz_QPSK_RB 1,#RB H

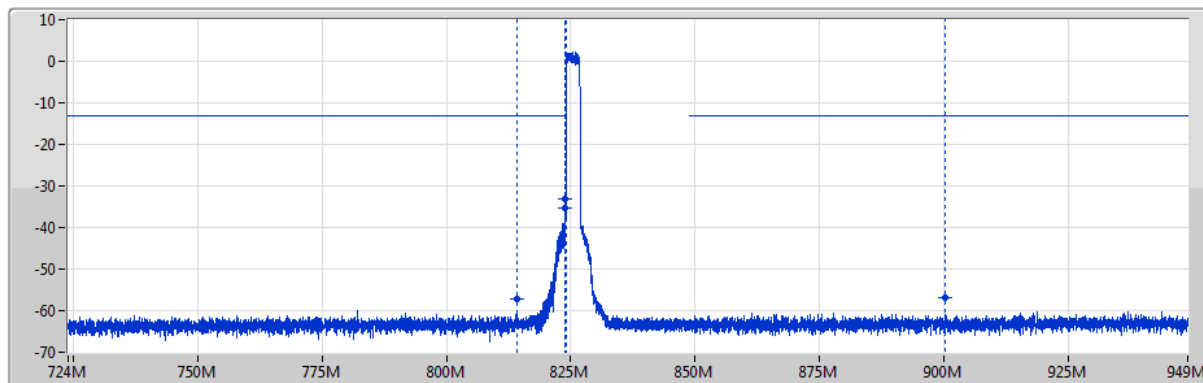


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	813.05M	-57.03	-13.00	-44.03	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-21.34	-13.00	-8.34	1	-
849.1M	855M	30k	100k	RMS	849.15M	-36.42	-13.00	-23.42	1	MBW 100k
855M	949M	30k	100k	RMS	933.15M	-56.38	-13.00	-43.38	1	MBW 100k

Band 26_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

825.5MHz_16QAM_RB 15,#RB 0

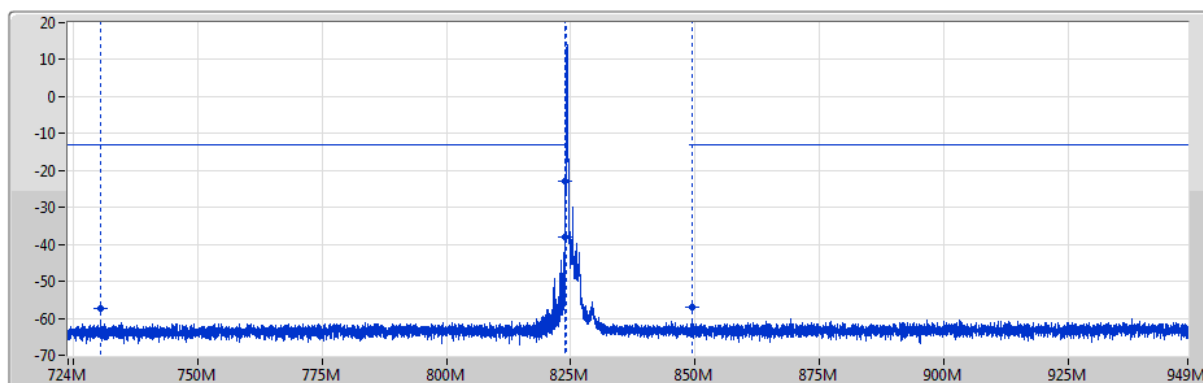


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	814.25M	-57.04	-13.00	-44.04	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-35.34	-13.00	-22.34	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-33.10	-13.00	-20.10	1	MBW 100k
849M	949M	30k	100k	RMS	900.25M	-56.96	-13.00	-43.96	1	MBW 100k

Band 26_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

825.5MHz_16QAM_RB 1,#RB L

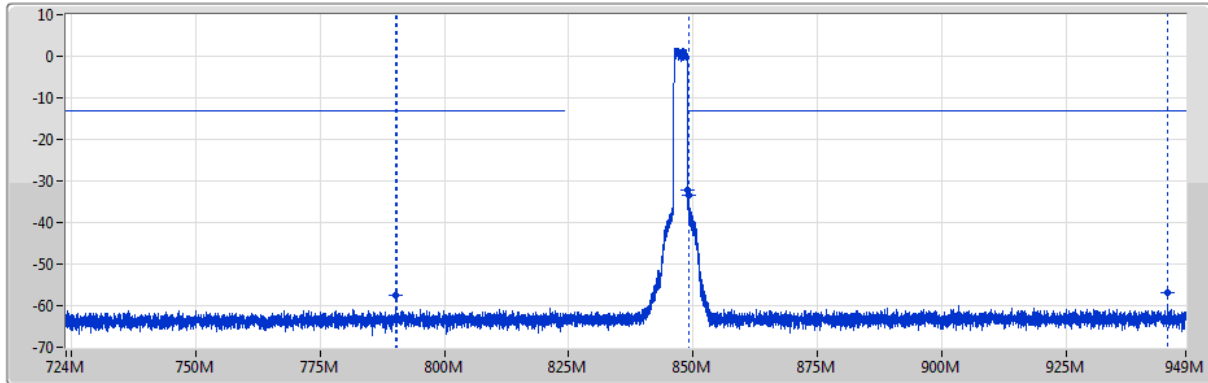


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	730.45M	-57.24	-13.00	-44.24	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-37.84	-13.00	-24.84	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-23.02	-13.00	-10.02	1	MBW 100k
849M	949M	30k	100k	RMS	849.35M	-56.93	-13.00	-43.93	1	MBW 100k

Band 26_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

847.5MHz_16QAM_RB 15,#RB 0

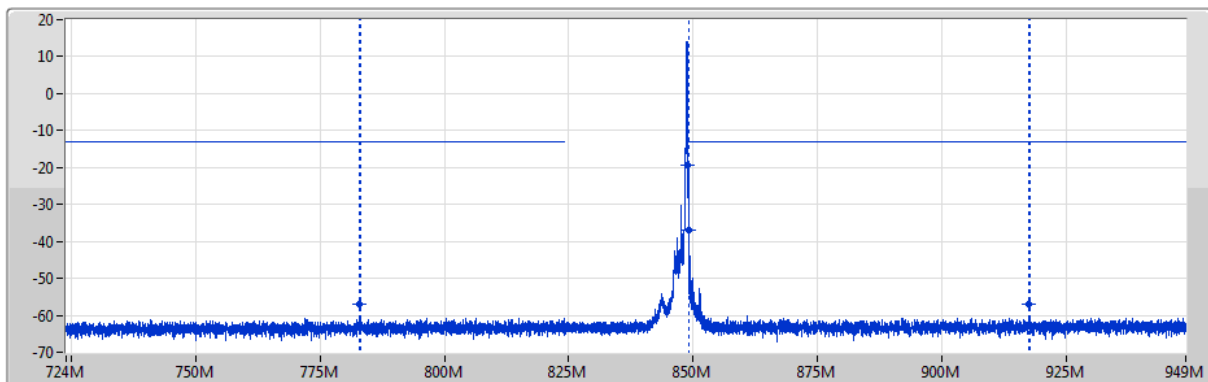


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	790.35M	-57.37	-13.00	-44.37	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-32.06	-13.00	-19.06	1	-
849.1M	855M	30k	100k	RMS	849.15M	-33.49	-13.00	-20.49	1	MBW 100k
855M	949M	30k	100k	RMS	945.35M	-56.72	-13.00	-43.72	1	MBW 100k

Band 26_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

847.5MHz_16QAM_RB 1,#RB H

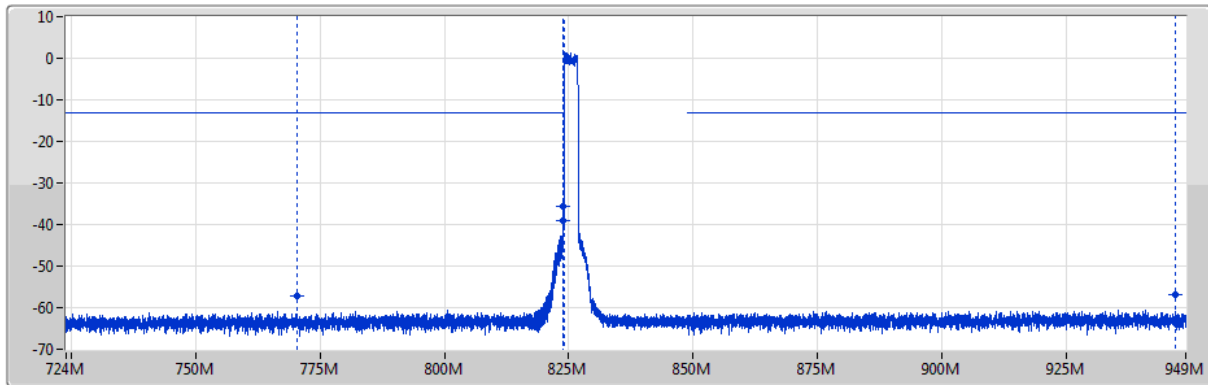


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	783.05M	-57.13	-13.00	-44.13	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-19.43	-13.00	-6.43	1	-
849.1M	855M	30k	100k	RMS	849.15M	-36.99	-13.00	-23.99	1	MBW 100k
855M	949M	30k	100k	RMS	917.55M	-56.91	-13.00	-43.91	1	MBW 100k

Band 26_LTE_3MHz_Nss1,64QAM_1TX

CSE-TX-Port

825.5MHz_64QAM_RB 15,#RB 0

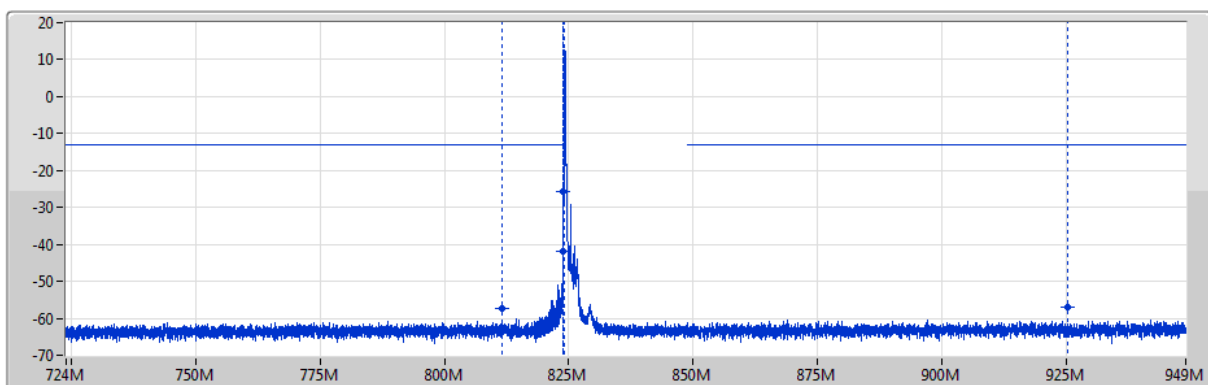


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	770.35M	-57.08	-13.00	-44.08	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-39.13	-13.00	-26.13	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-35.71	-13.00	-22.71	1	MBW 100k
849M	949M	30k	100k	RMS	946.95M	-56.79	-13.00	-43.79	1	MBW 100k

Band 26_LTE_3MHz_Nss1,64QAM_1TX

CSE-TX-Port

825.5MHz_64QAM_RB 1,#RB L

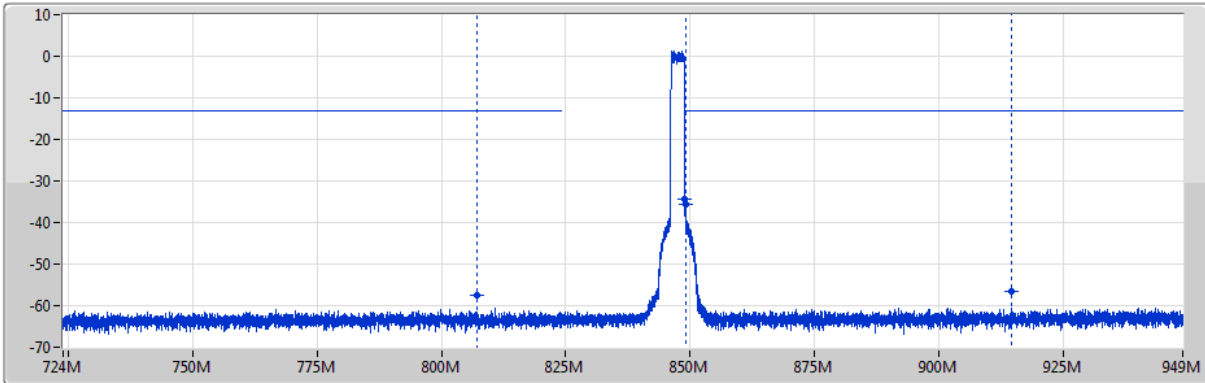


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	818M	30k	100k	RMS	811.55M	-57.32	-13.00	-44.32	1	MBW 100k
818M	823.9M	30k	100k	RMS	823.85M	-41.95	-13.00	-28.95	1	MBW 100k
823.9M	824M	30k	100k	RMS	823.95M	-25.62	-13.00	-12.62	1	MBW 100k
849M	949M	30k	100k	RMS	925.25M	-56.95	-13.00	-43.95	1	MBW 100k

Band 26_LTE_3MHz_Nss1,64QAM_1TX

CSE-TX-Port

847.5MHz_64QAM_RB 15,#RB 0



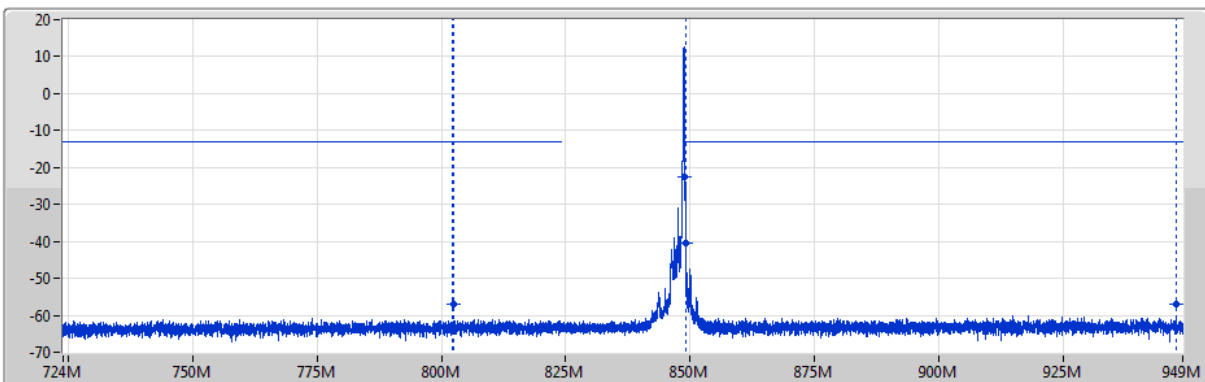
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	807.15M	-57.42	-13.00	-44.42	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-34.28	-13.00	-21.28	1	-
849.1M	855M	30k	100k	RMS	849.15M	-35.61	-13.00	-22.61	1	MBW 100k
855M	949M	30k	100k	RMS	914.65M	-56.57	-13.00	-43.57	1	MBW 100k

Band 26_LTE_3MHz_Nss1,64QAM_1TX

CSE-TX-Port

847.5MHz_64QAM_RB 1,#RB H



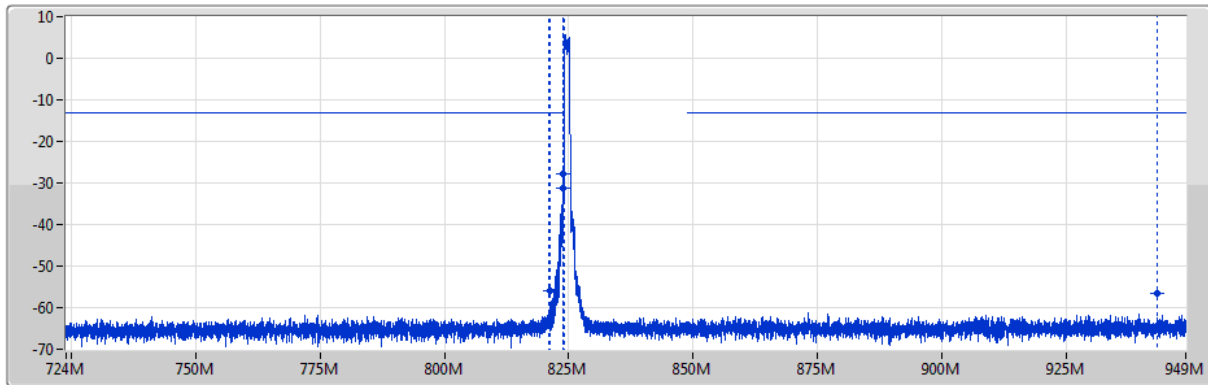
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	30k	100k	RMS	802.35M	-56.99	-13.00	-43.99	1	MBW 100k
849M	849.1M	30k	100k	RMS	849M	-22.40	-13.00	-9.40	1	-
849.1M	855M	30k	100k	RMS	849.15M	-40.37	-13.00	-27.37	1	MBW 100k
855M	949M	30k	100k	RMS	947.75M	-56.86	-13.00	-43.86	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

824.7MHz_QPSK_RB 6,#RB 0

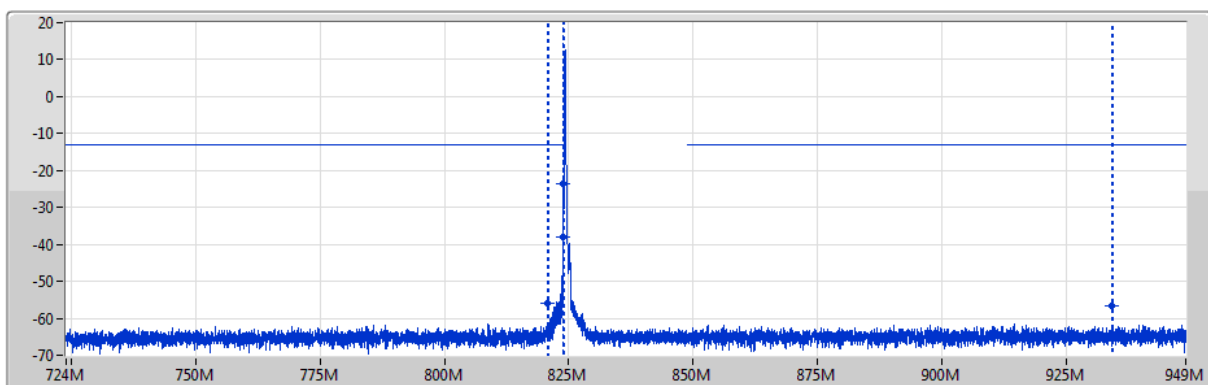


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	821.15M	-55.89	-13.00	-42.89	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-31.33	-13.00	-18.33	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-27.85	-13.00	-14.85	1	MBW 100k
849M	949M	20k	100k	RMS	943.25M	-56.70	-13.00	-43.70	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

824.7MHz_QPSK_RB 1,#RB L

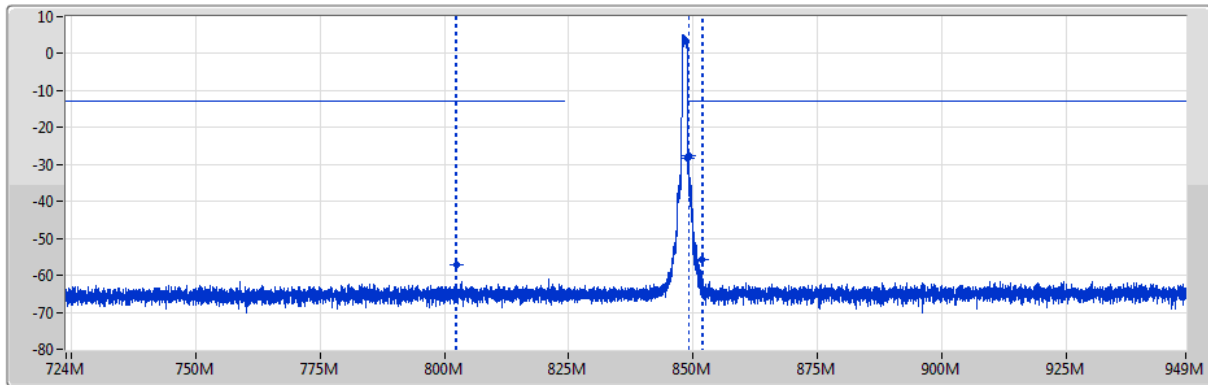


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	820.85M	-55.93	-13.00	-42.93	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-37.98	-13.00	-24.98	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-23.66	-13.00	-10.66	1	MBW 100k
849M	949M	20k	100k	RMS	934.25M	-56.63	-13.00	-43.63	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

848.3MHz_QPSK_RB 6,#RB 0

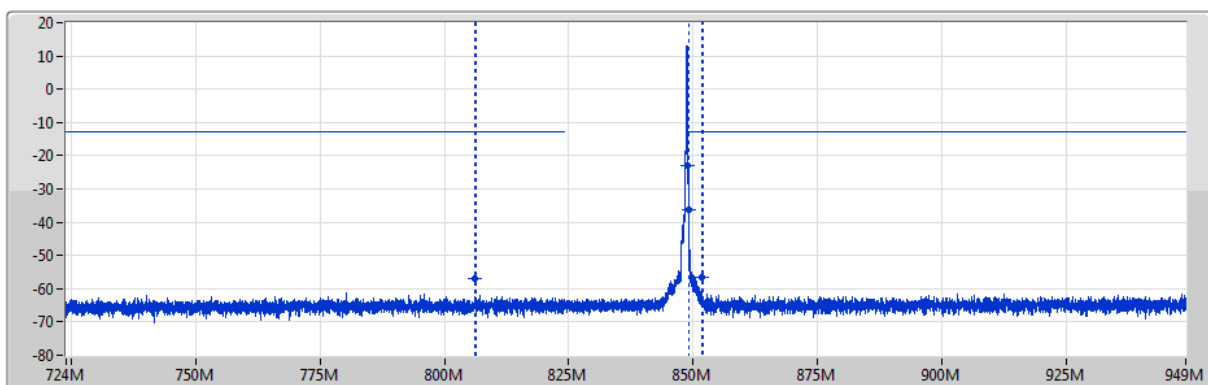


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	802.35M	-57.17	-13.00	-44.17	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-28.32	-13.00	-15.32	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-27.68	-13.00	-14.68	1	MBW 100k
851.8M	949M	20k	100k	RMS	851.85M	-55.81	-13.00	-42.81	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

848.3MHz_QPSK_RB 1,#RB H

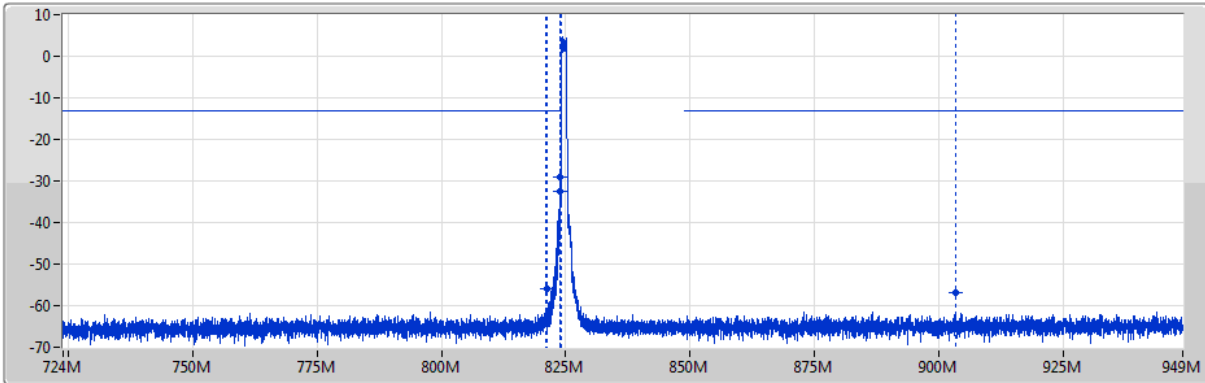


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	806.25M	-57.10	-13.00	-44.10	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-22.93	-13.00	-9.93	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-36.43	-13.00	-23.43	1	MBW 100k
851.8M	949M	20k	100k	RMS	851.85M	-56.48	-13.00	-43.48	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

824.7MHz_16QAM_RB 6,#RB 0

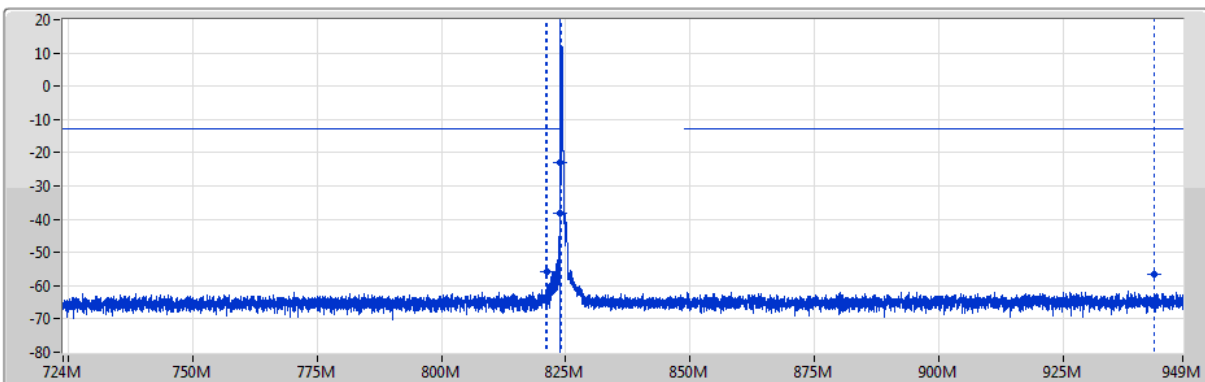


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	821.15M	-55.79	-13.00	-42.79	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-32.65	-13.00	-19.65	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-29.21	-13.00	-16.21	1	MBW 100k
849M	949M	20k	100k	RMS	903.35M	-56.75	-13.00	-43.75	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

824.7MHz_16QAM_RB 1,#RB L

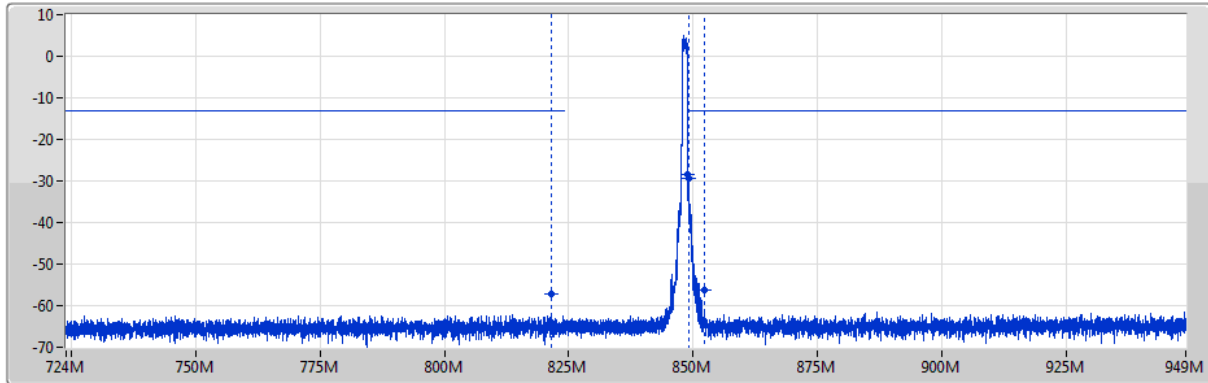


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	821.15M	-55.64	-13.00	-42.64	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-38.16	-13.00	-25.16	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-22.78	-13.00	-9.78	1	MBW 100k
849M	949M	20k	100k	RMS	943.25M	-56.65	-13.00	-43.65	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

848.3MHz_16QAM_RB 6,#RB 0



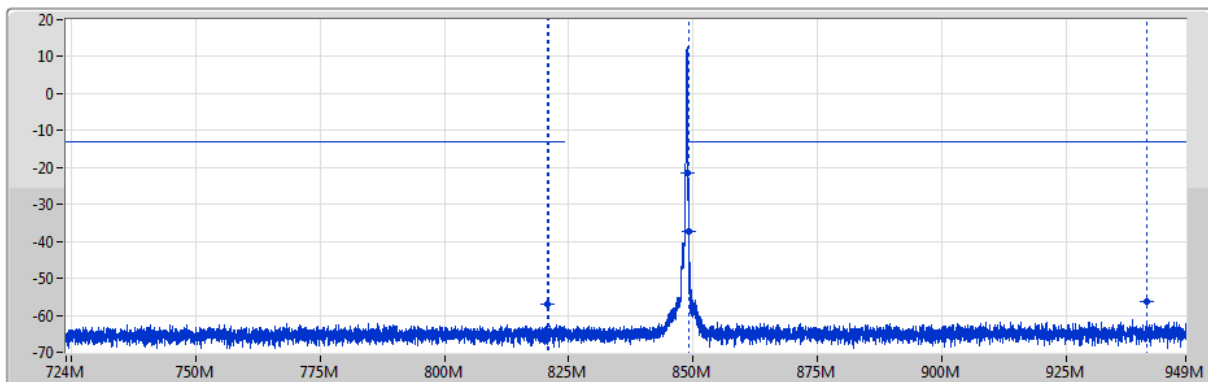
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	821.55M	-57.05	-13.00	-44.05	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-28.46	-13.00	-15.46	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-29.46	-13.00	-16.46	1	MBW 100k
851.8M	949M	20k	100k	RMS	852.35M	-56.13	-13.00	-43.13	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

848.3MHz_16QAM_RB 1,#RB H



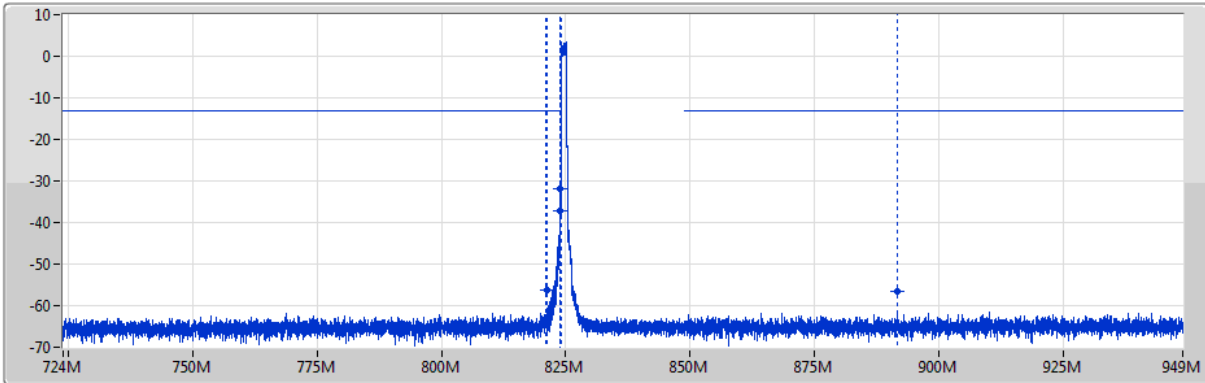
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	820.85M	-57.07	-13.00	-44.07	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-21.64	-13.00	-8.64	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-37.22	-13.00	-24.22	1	MBW 100k
851.8M	949M	20k	100k	RMS	941.25M	-56.31	-13.00	-43.31	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,64QAM_1TX

CSE-TX-Port

824.7MHz_64QAM_RB 6,#RB 0



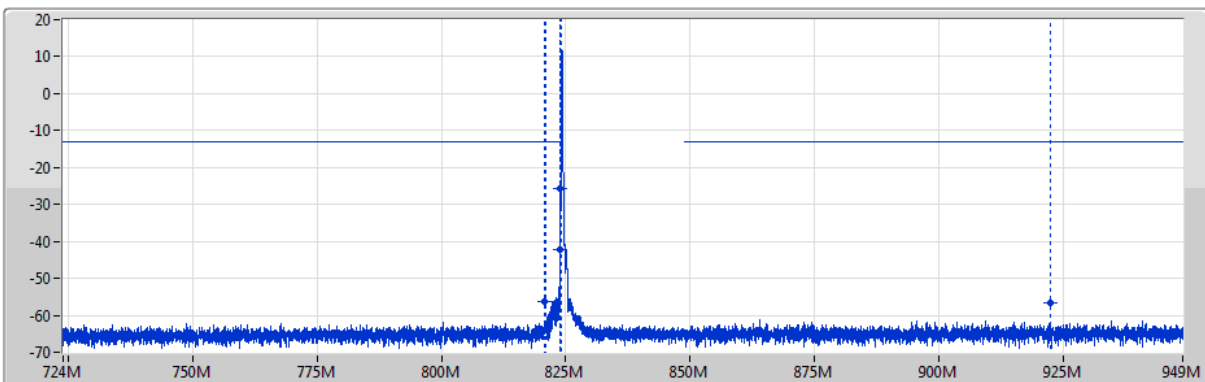
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	821.15M	-56.16	-13.00	-43.16	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-37.16	-13.00	-24.16	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-32.03	-13.00	-19.03	1	MBW 100k
849M	949M	20k	100k	RMS	891.65M	-56.52	-13.00	-43.52	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,64QAM_1TX

CSE-TX-Port

824.7MHz_64QAM_RB 1,#RB L



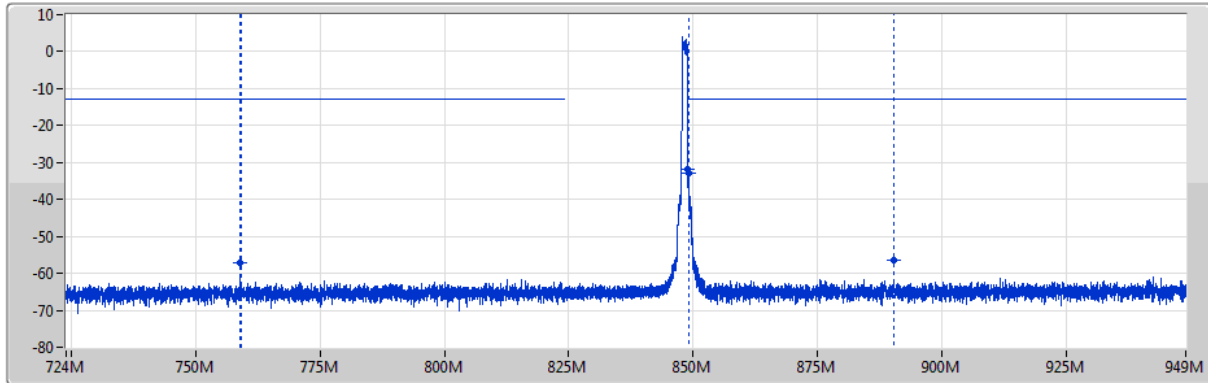
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	821.2M	20k	100k	RMS	820.85M	-56.14	-13.00	-43.14	1	MBW 100k
821.2M	823.9M	20k	100k	RMS	823.85M	-42.33	-13.00	-29.33	1	MBW 100k
823.9M	824M	20k	100k	RMS	823.95M	-25.58	-13.00	-12.58	1	MBW 100k
849M	949M	20k	100k	RMS	922.45M	-56.57	-13.00	-43.57	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,64QAM_1TX

CSE-TX-Port

848.3MHz_64QAM_RB 6,#RB 0

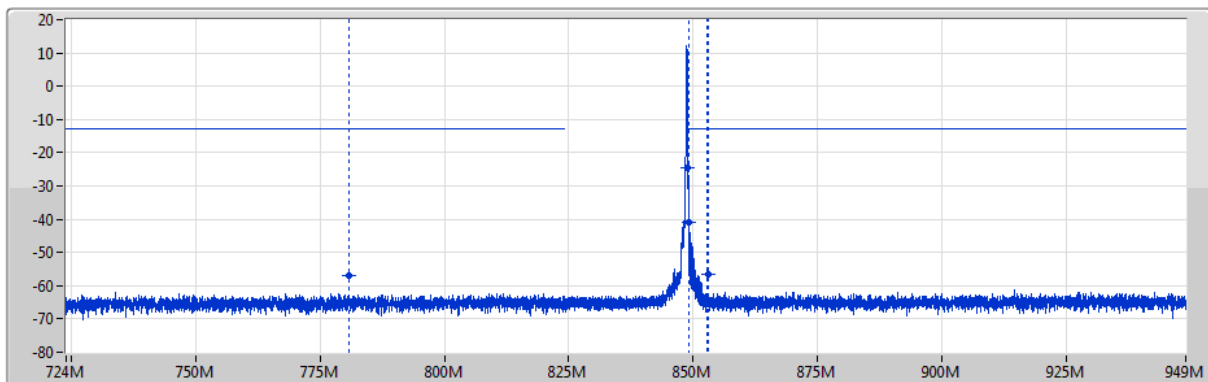


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	759.05M	-57.02	-13.00	-44.02	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-31.92	-13.00	-18.92	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-33.00	-13.00	-20.00	1	MBW 100k
851.8M	949M	20k	100k	RMS	890.35M	-56.58	-13.00	-43.58	1	MBW 100k

Band 26_LTE_1.4MHz_Nss1,64QAM_1TX

CSE-TX-Port

848.3MHz_64QAM_RB 1,#RB H



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
724M	824M	20k	100k	RMS	780.85M	-56.83	-13.00	-43.83	1	MBW 100k
849M	849.1M	20k	100k	RMS	849M	-24.59	-13.00	-11.59	1	-
849.1M	851.8M	20k	100k	RMS	849.15M	-40.78	-13.00	-27.78	1	MBW 100k
851.8M	949M	20k	100k	RMS	852.95M	-56.61	-13.00	-43.61	1	MBW 100k



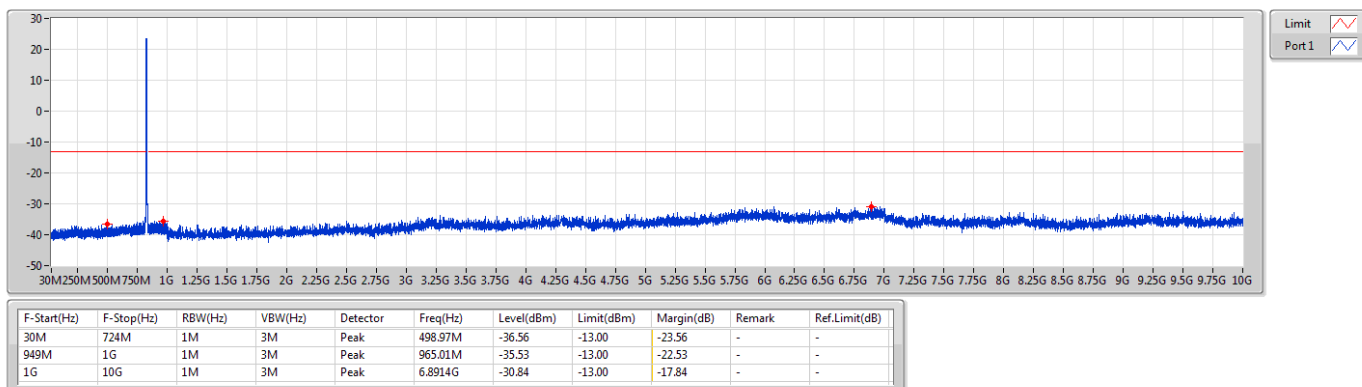
Summary

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	5.8915G	-30.47	-13.00	-17.47	-	-

Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

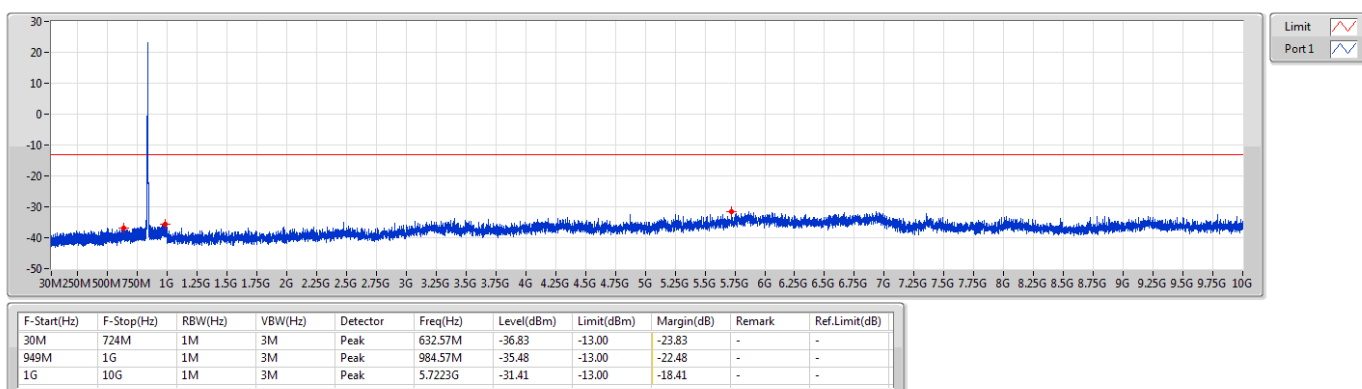
826.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

836.4MHz

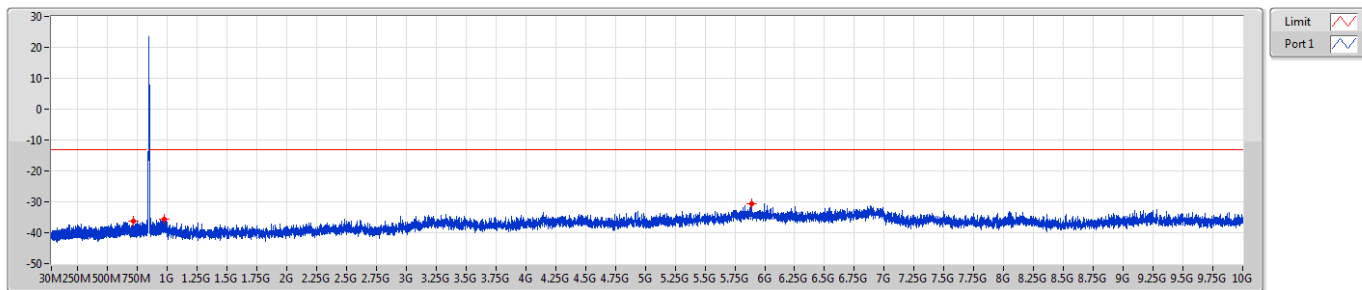




Band 5_WCDMA_5MHz_Nss1_1TX

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	720.18M	-36.32	-13.00	-23.32	-	-
949M	1G	1M	3M	Peak	976.29M	-35.61	-13.00	-22.61	-	-
1G	10G	1M	3M	Peak	5.8915G	-30.47	-13.00	-17.47	-	-

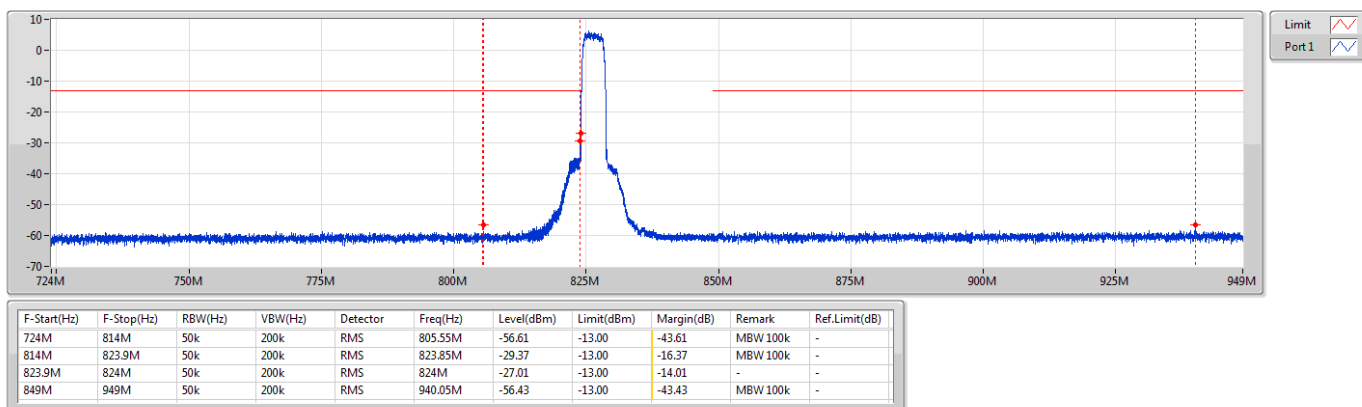
**Summary**

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	849M	849.1M	50k	200k	RMS	849M	-24.90	-13.00	-11.90	-	-

Band 5_WCDMA_5MHz_Nss1_1TX

CSE-TX-Sum

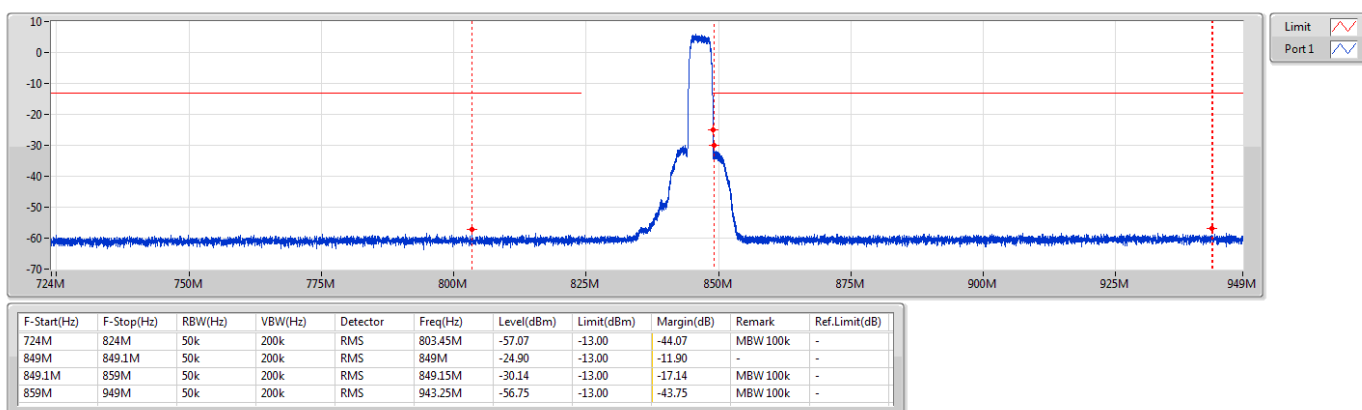
826.4MHz



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 26	-	-	-	-	-
LTE_15MHz_Nss1,QPSK_1TX	14.288M	13.418M	13M4G7D	14.288M	13.418M
LTE_15MHz_Nss1,16QAM_1TX	14.569M	13.437M	13M4W7D	14.569M	13.437M
LTE_15MHz_Nss1,64QAM_1TX	14.325M	13.4M	13M4W7D	14.325M	13.4M
LTE_10MHz_Nss1,QPSK_1TX	9.588M	8.921M	8M92G7D	9.588M	8.921M
LTE_10MHz_Nss1,16QAM_1TX	9.538M	8.933M	8M93W7D	9.538M	8.933M
LTE_10MHz_Nss1,64QAM_1TX	9.5M	8.933M	8M93W7D	9.5M	8.933M
LTE_5MHz_Nss1,QPSK_1TX	4.788M	4.46M	4M46G7D	4.788M	4.46M
LTE_5MHz_Nss1,16QAM_1TX	4.819M	4.46M	4M46W7D	4.819M	4.46M
LTE_5MHz_Nss1,64QAM_1TX	4.819M	4.479M	4M48W7D	4.819M	4.479M
LTE_3MHz_Nss1,QPSK_1TX	2.85M	2.68M	2M68G7D	2.85M	2.68M
LTE_3MHz_Nss1,16QAM_1TX	2.85M	2.676M	2M68W7D	2.85M	2.676M
LTE_3MHz_Nss1,64QAM_1TX	2.869M	2.68M	2M68W7D	2.869M	2.68M
LTE_1.4MHz_Nss1,QPSK_1TX	1.253M	1.084M	1M08G7D	1.253M	1.084M
LTE_1.4MHz_Nss1,16QAM_1TX	1.257M	1.084M	1M08W7D	1.257M	1.084M
LTE_1.4MHz_Nss1,64QAM_1TX	1.29M	1.084M	1M08W7D	1.29M	1.084M

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

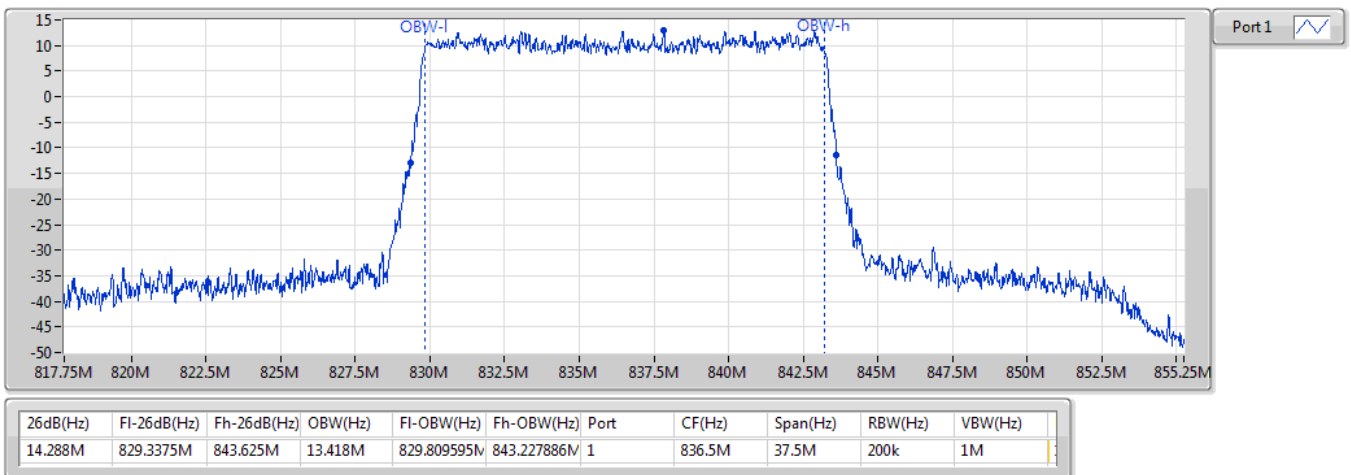
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 26_LTE_15MHz_Nss1_1TX	-	-	-	-
836.5MHz_QPSK_RB 75,#RB 0	Pass	Inf	14.288M	13.418M
836.5MHz_16QAM_RB 75,#RB 0	Pass	Inf	14.569M	13.437M
836.5MHz_64QAM_RB 75,#RB 0	Pass	Inf	14.325M	13.4M
Band 26_LTE_10MHz_Nss1_1TX	-	-	-	-
836.5MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.588M	8.921M
836.5MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.538M	8.933M
836.5MHz_64QAM_RB 50,#RB 0	Pass	Inf	9.5M	8.933M
Band 26_LTE_5MHz_Nss1_1TX	-	-	-	-
836.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.788M	4.46M
836.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.819M	4.46M
836.5MHz_64QAM_RB 25,#RB 0	Pass	Inf	4.819M	4.479M
Band 26_LTE_3MHz_Nss1_1TX	-	-	-	-
836.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.85M	2.68M
836.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.85M	2.676M
836.5MHz_64QAM_RB 15,#RB 0	Pass	Inf	2.869M	2.68M
Band 26_LTE_1.4MHz_Nss1_1TX	-	-	-	-
836.5MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.253M	1.084M
836.5MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.257M	1.084M
836.5MHz_64QAM_RB 6,#RB 0	Pass	Inf	1.29M	1.084M

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

Band 26_LTE_15MHz_Nss1,QPSK_1TX

EBW

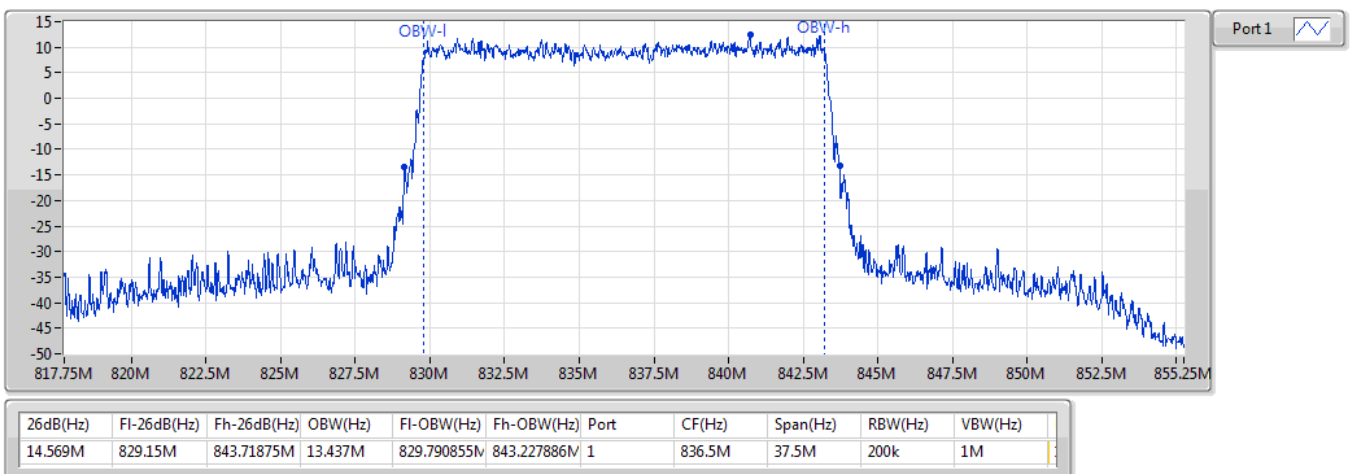
836.5MHz_QPSK_RB 75,#RB 0



Band 26_LTE_15MHz_Nss1,16QAM_1TX

EBW

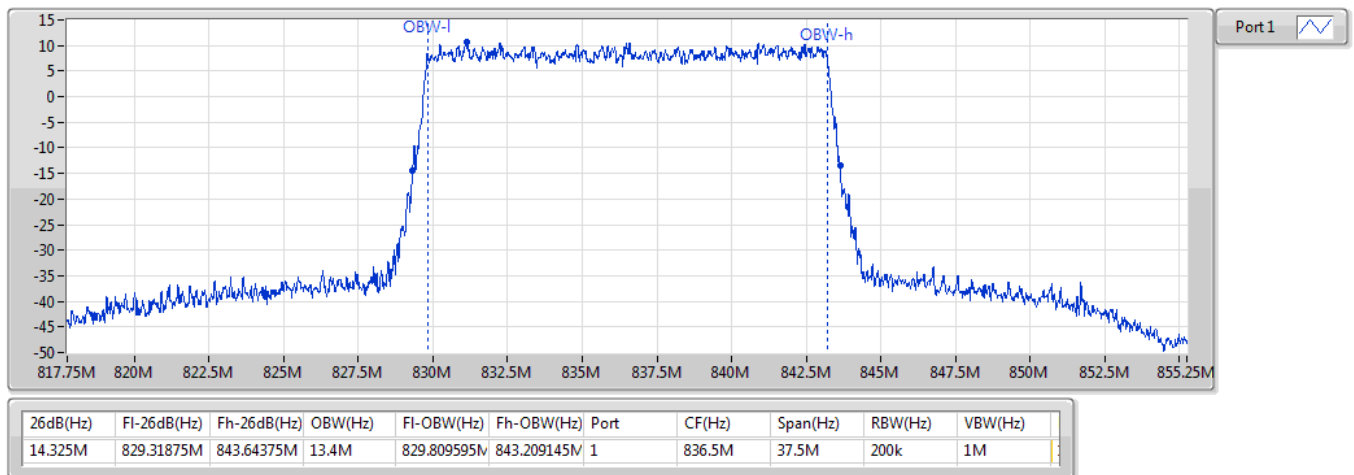
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Band 26_LTE_15MHz_Nss1,64QAM_1TX

EBW

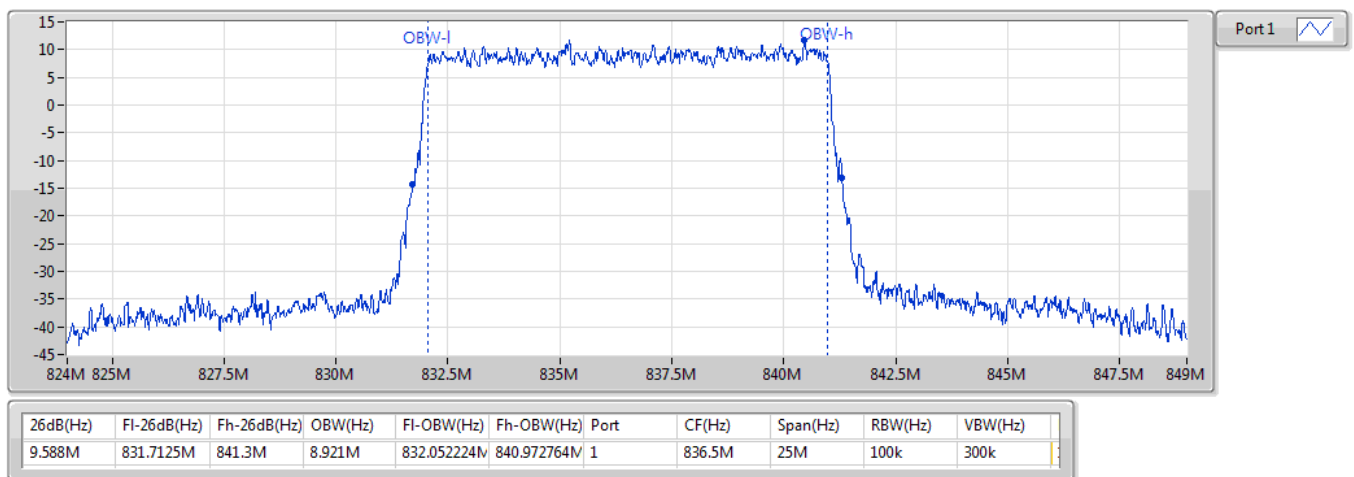
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Band 26_LTE_10MHz_Nss1,QPSK_1TX

EBW

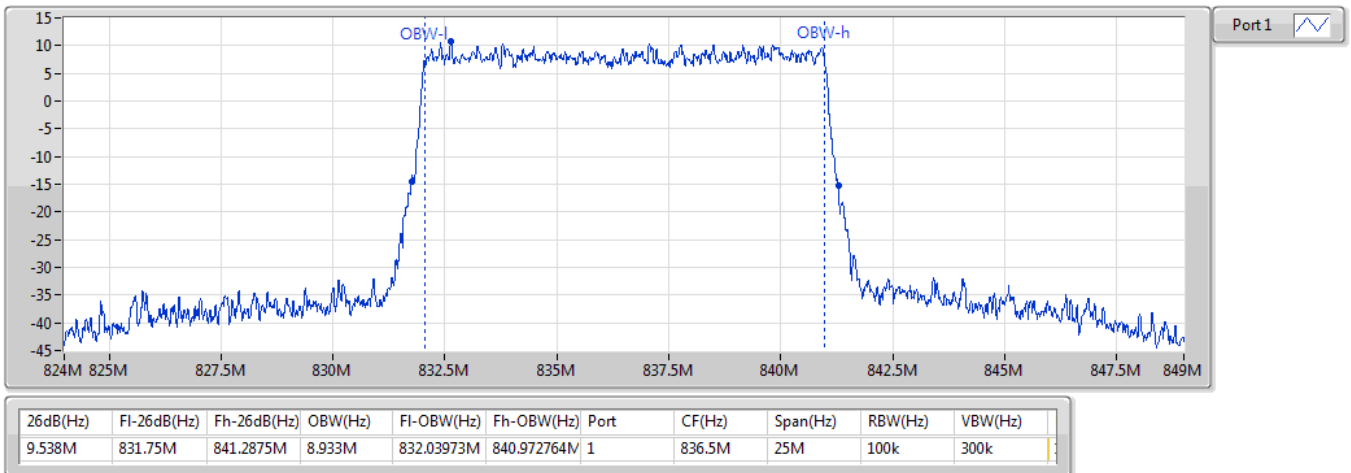
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Band 26_LTE_10MHz_Nss1,16QAM_1TX

EBW

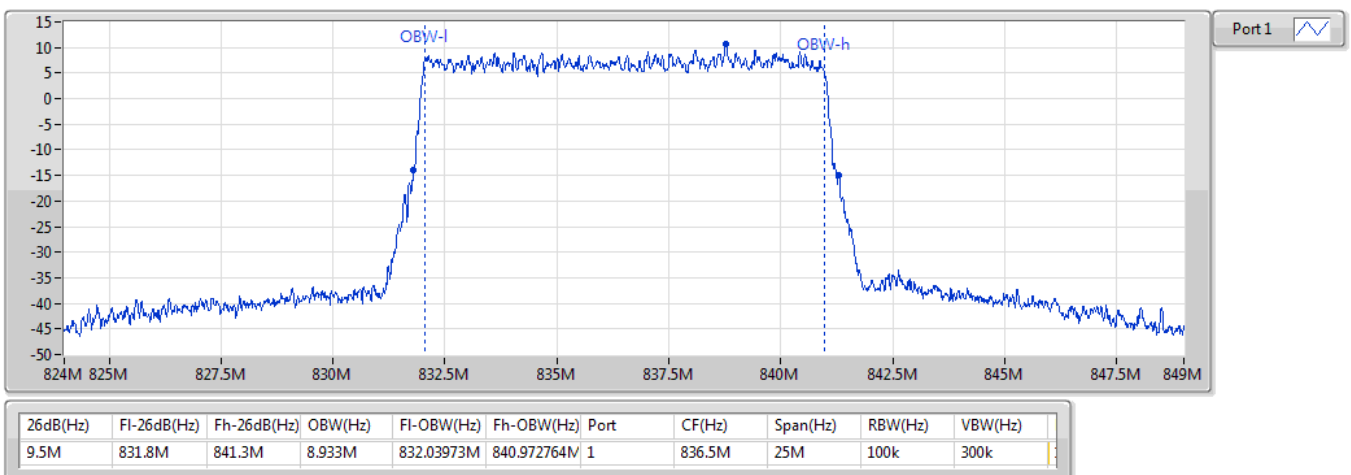
836.5MHz_16QAM_RB 50,#RB 0



Band 26_LTE_10MHz_Nss1,64QAM_1TX

EBW

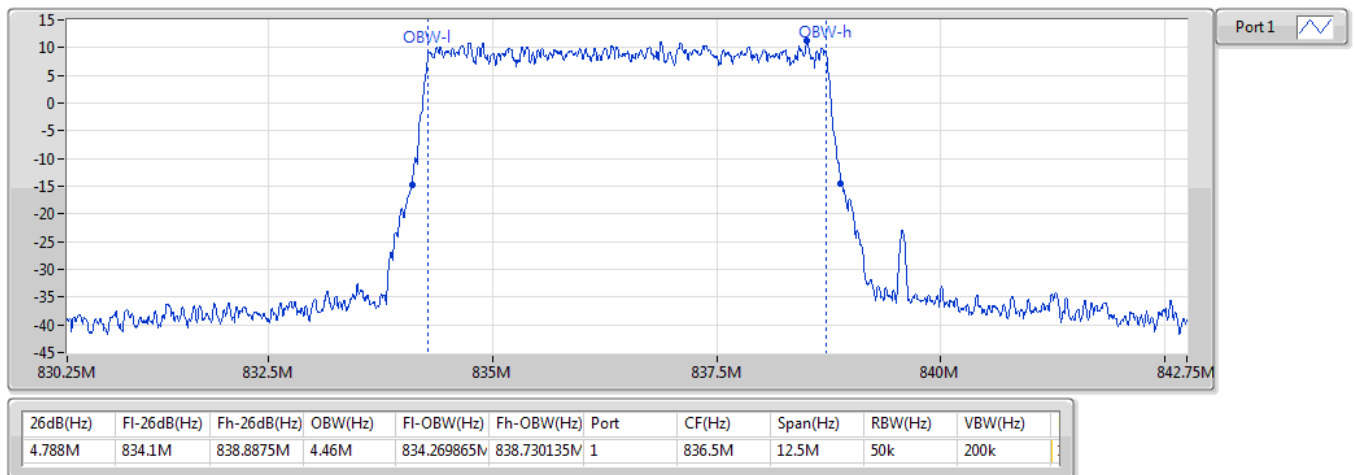
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Band 26_LTE_5MHz_Nss1,QPSK_1TX

EBW

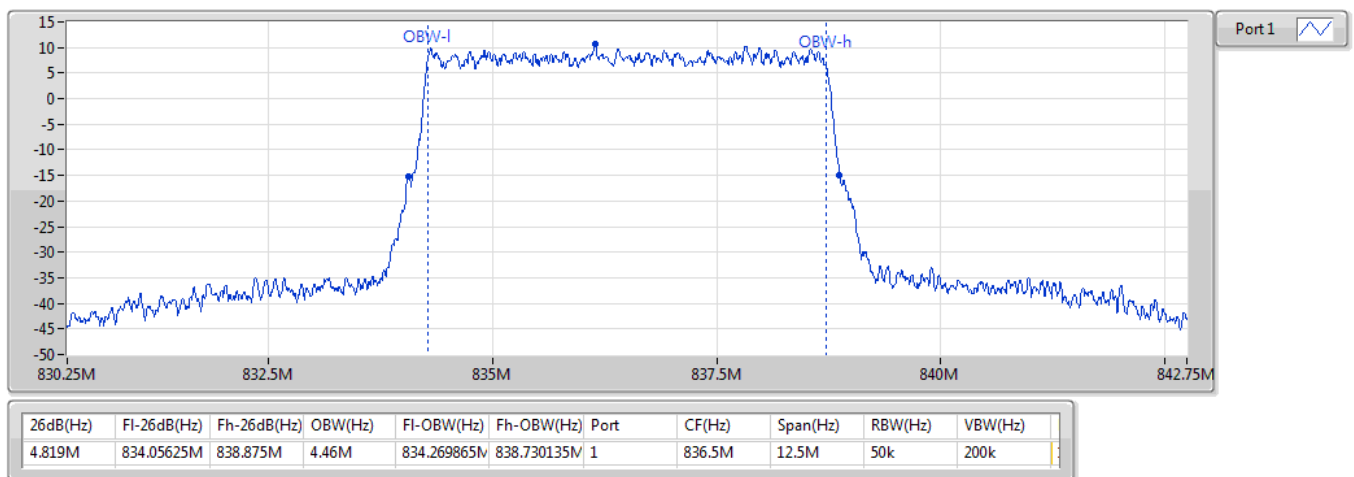
836.5MHz_QPSK_RB 25,#RB 0



Band 26_LTE_5MHz_Nss1,16QAM_1TX

EBW

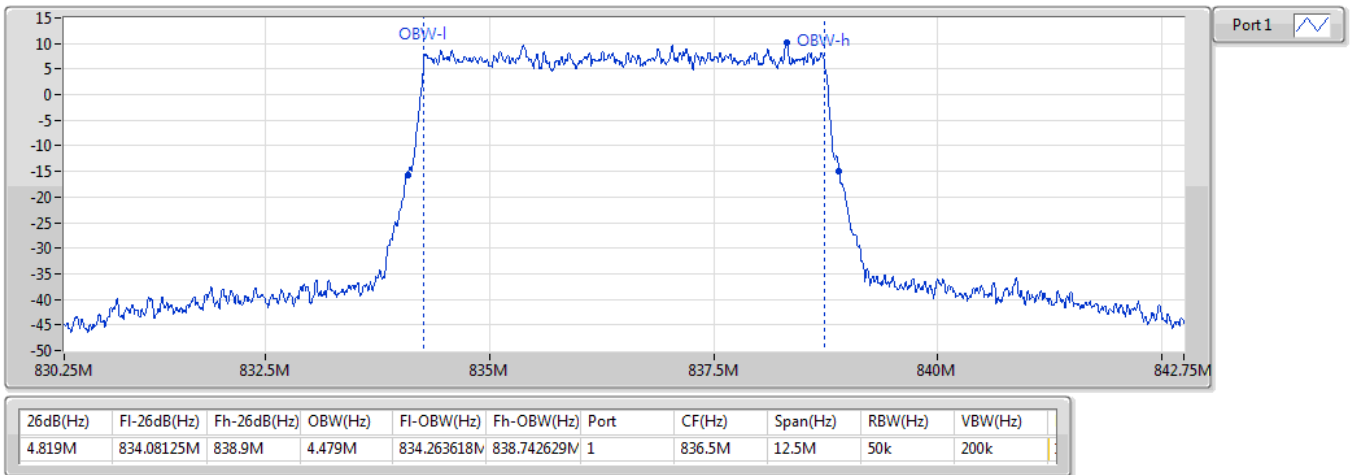
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Band 26_LTE_5MHz_Nss1,64QAM_1TX

EBW

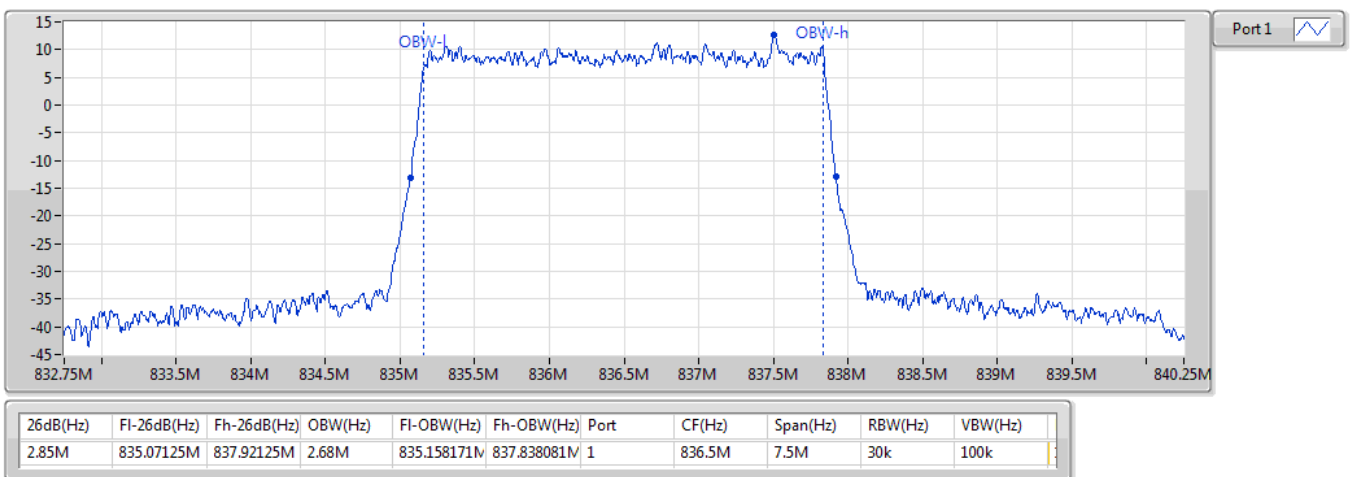
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Band 26_LTE_3MHz_Nss1,QPSK_1TX

EBW

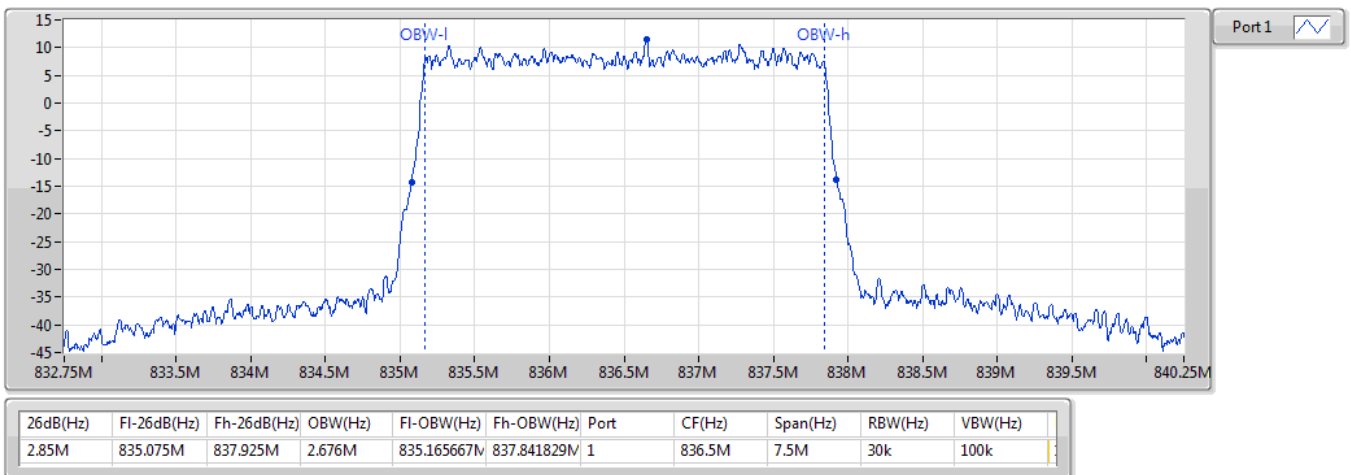
836.5MHz_QPSK_RB 15,#RB 0



Band 26_LTE_3MHz_Nss1,16QAM_1TX

EBW

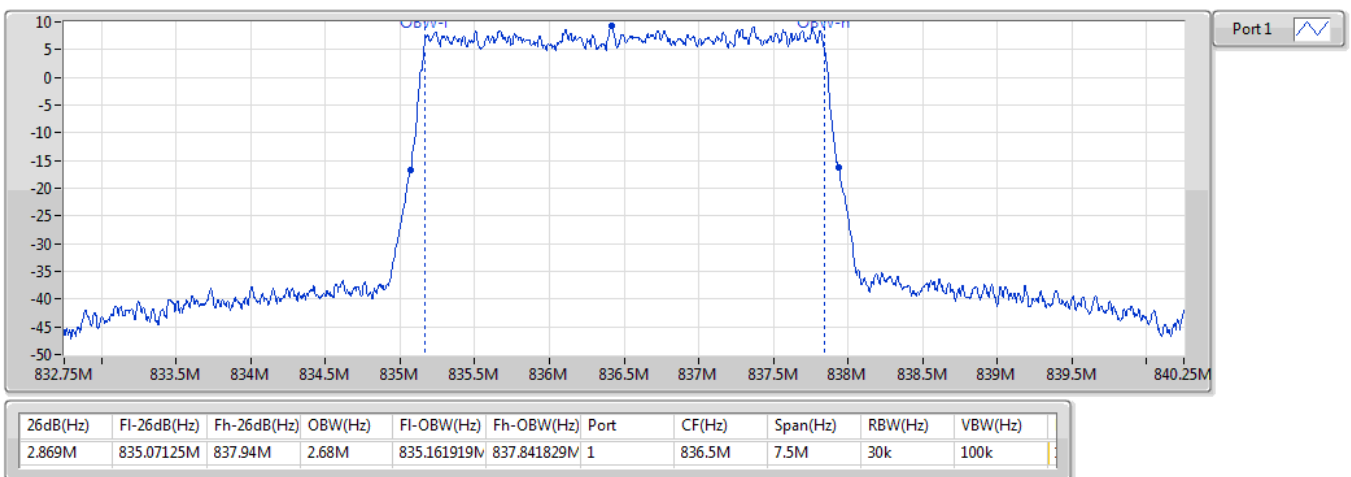
836.5MHz_16QAM_RB 15,#RB 0



Band 26_LTE_3MHz_Nss1,64QAM_1TX

EBW

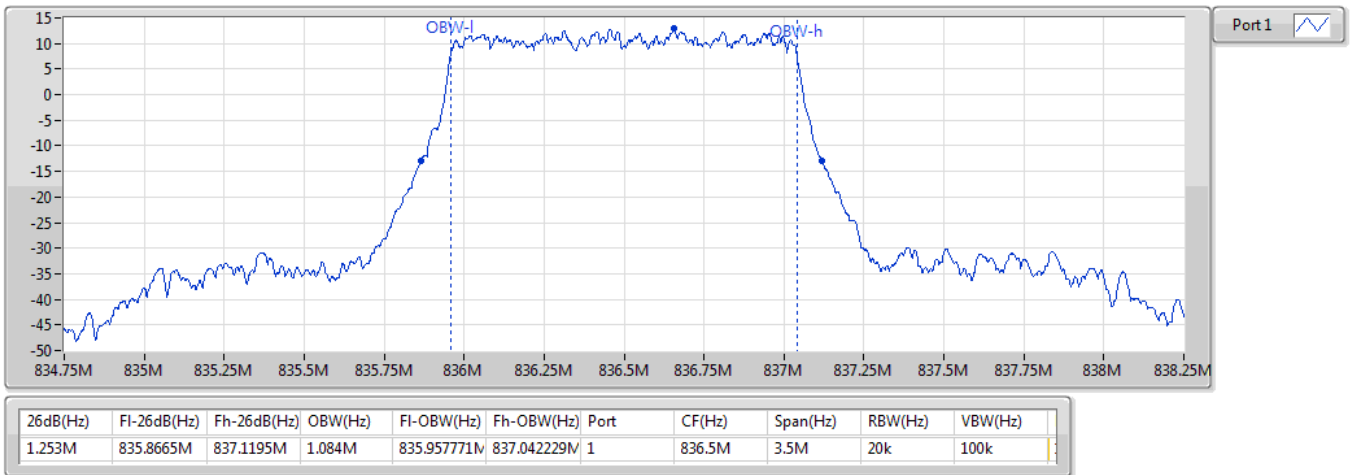
836.5MHz_64QAM_RB 15,#RB 0



Band 26_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

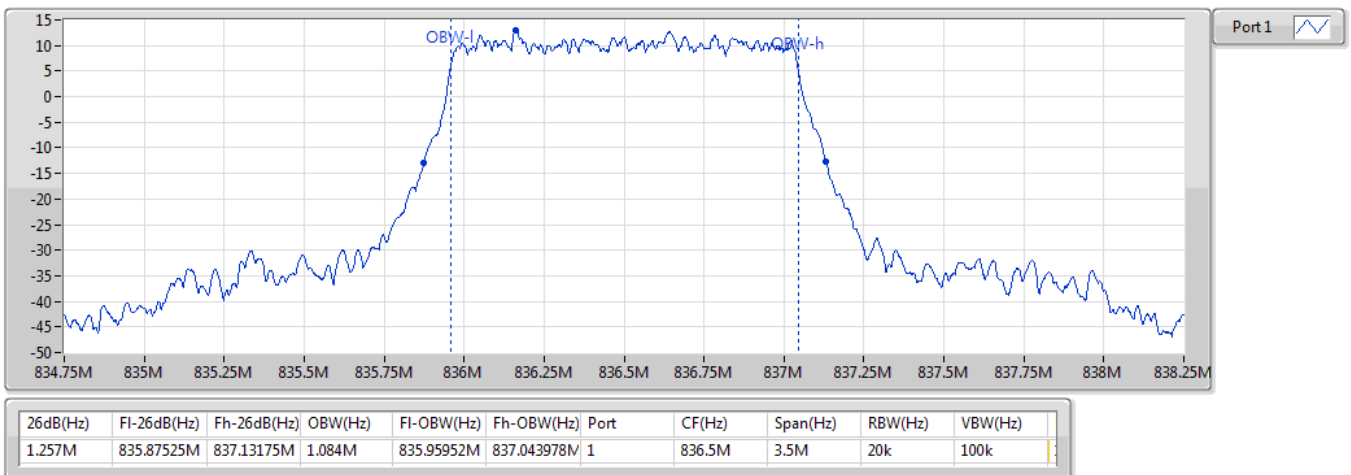
836.5MHz_QPSK_RB 6,#RB 0



Band 26_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

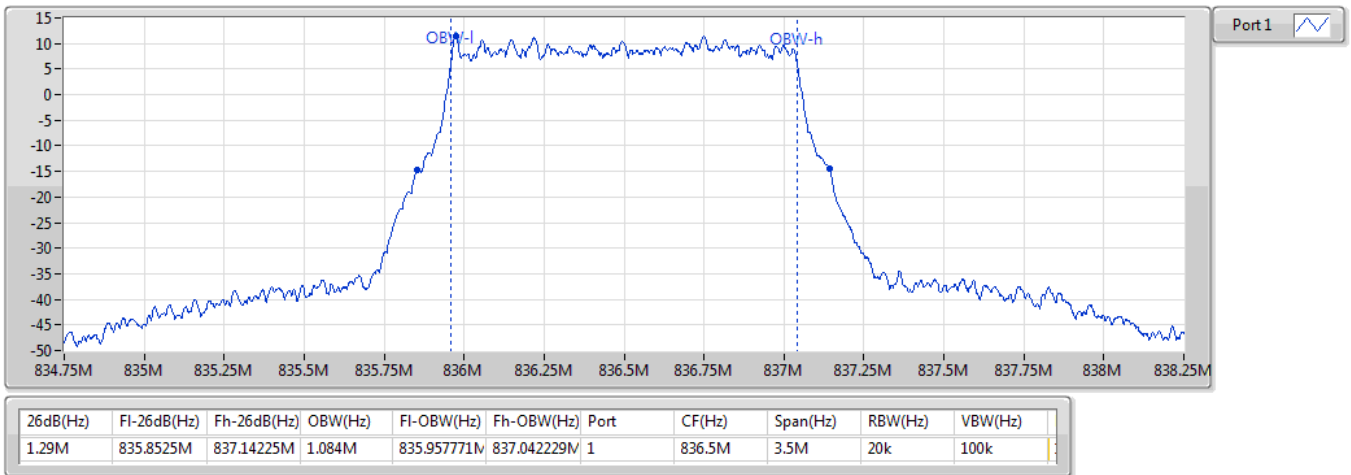
836.5MHz_16QAM_RB 6,#RB 0



Band 26_LTE_1.4MHz_Nss1,64QAM_1TX

EBW

836.5MHz_64QAM_RB 6,#RB 0



**Summary**

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	4.706M	4.173M	4M17F9W	4.638M	4.142M

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

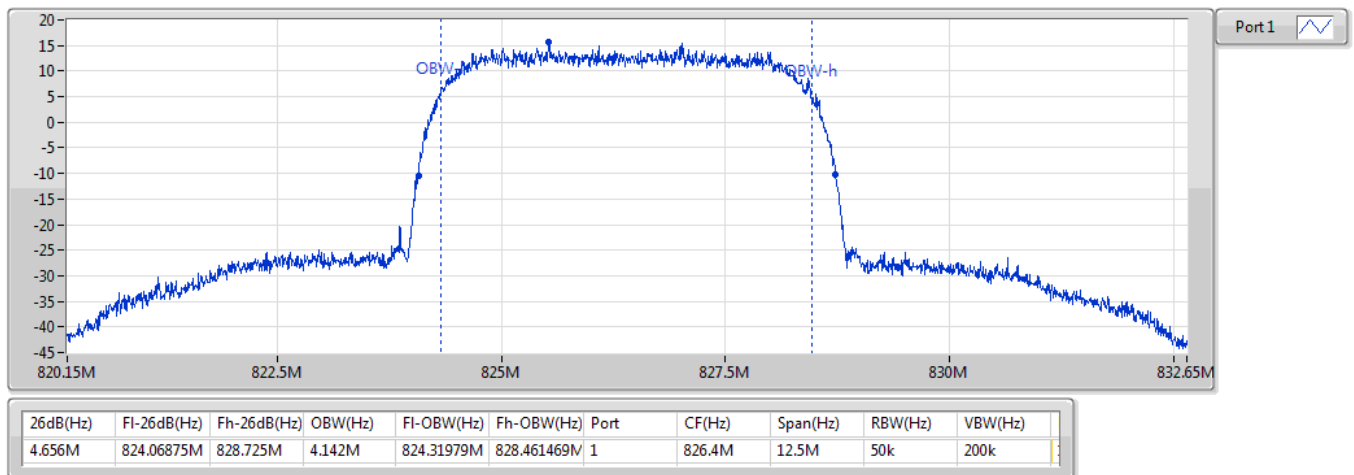
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-
826.4MHz	Pass	Inf	4.656M	4.142M
836.4MHz	Pass	Inf	4.638M	4.154M
846.6MHz	Pass	Inf	4.706M	4.173M

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

Band 5_WCDMA_5MHz_Nss1_1TX

EBW

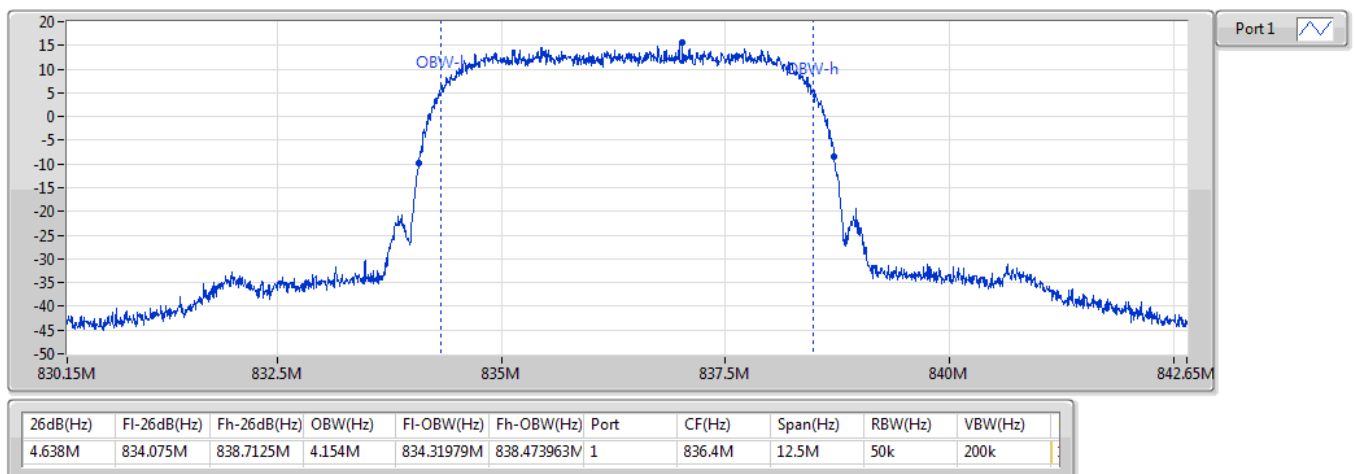
826.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

EBW

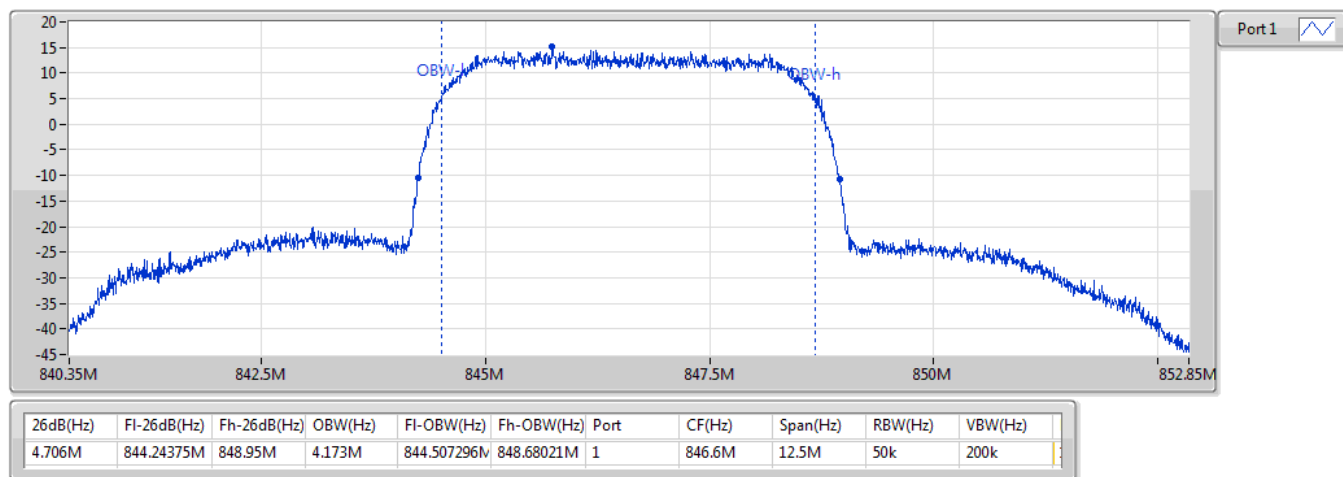
836.4MHz



Band 5_WCDMA_5MHz_Nss1_1TX

EBW

846.6MHz



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 26	-	-	-	-	-
LTE_15MHz_Nss1,QPSK_1TX	Pass	836.5	13.00	5.39	1
LTE_15MHz_Nss1,16QAM_1TX	Pass	836.5	13.00	6.09	1
LTE_15MHz_Nss1,64QAM_1TX	Pass	836.5	13.00	6.35	1

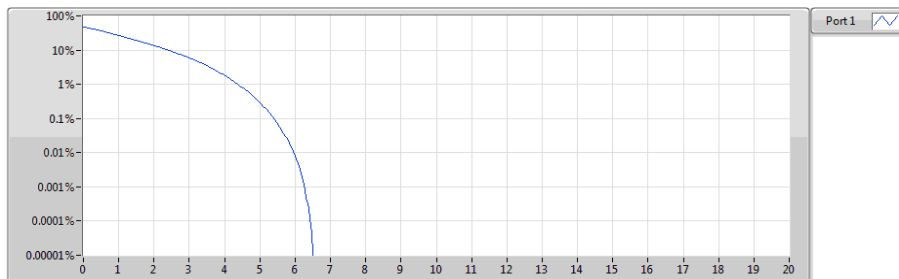
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 26_LTE_15MHz_Nss1_1TX	-	-	-	-	-
836.5MHz_QPSK_RB 75,#RB 0	Pass	836.5	13.00	5.39	1
836.5MHz_16QAM_RB 75,#RB 0	Pass	836.5	13.00	6.09	1
836.5MHz_64QAM_RB 75,#RB 0	Pass	836.5	13.00	6.35	1

Band 26_LTE_15MHz_Nss1,QPSK_1TX

PAR

836.5MHz_QPSK_RB 75,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
836.5	20M	5.39	-7.61	13.00	1

Band 26_LTE_15MHz_Nss1,16QAM_1TX

PAR

836.5MHz_16QAM_RB 75,#RB 0

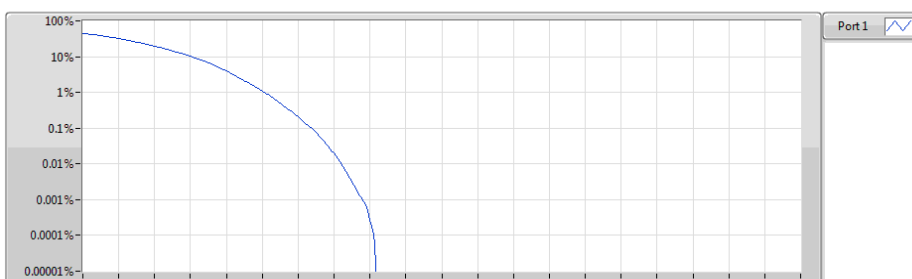


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
836.5	20M	6.09	-6.91	13.00	1

Band 26_LTE_15MHz_Nss1,64QAM_1TX

PAR

836.5MHz_64QAM_RB 75,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
836.5	20M	6.35	-6.65	13.00	1

**Summary**

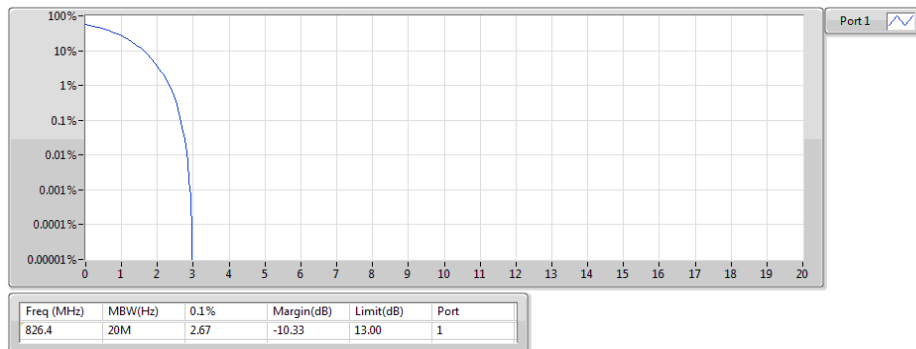
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5	-	-	-	-	-
WCDMA_5MHz_Nss1_1TX	Pass	836.4	13.00	2.99	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 5_WCDMA_5MHz_Nss1_1TX	-	-	-	-	-
826.4MHz	Pass	826.4	13.00	2.67	1
836.4MHz	Pass	836.4	13.00	2.99	1
846.6MHz	Pass	846.6	13.00	2.41	1

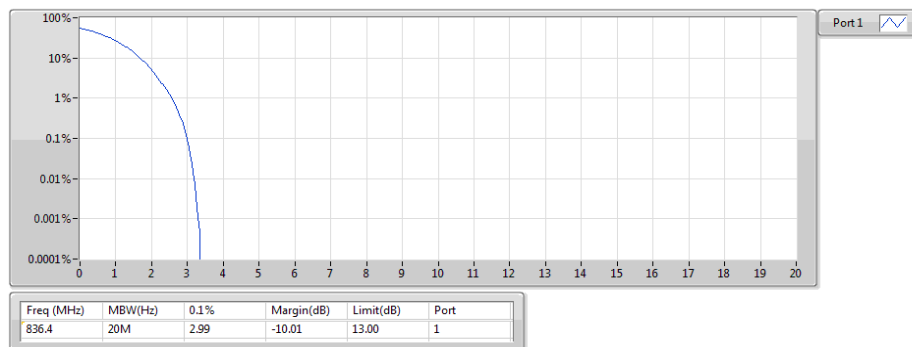
Band 5_WCDMA_5MHz_Nss1_1TX
826.4MHz

PAR



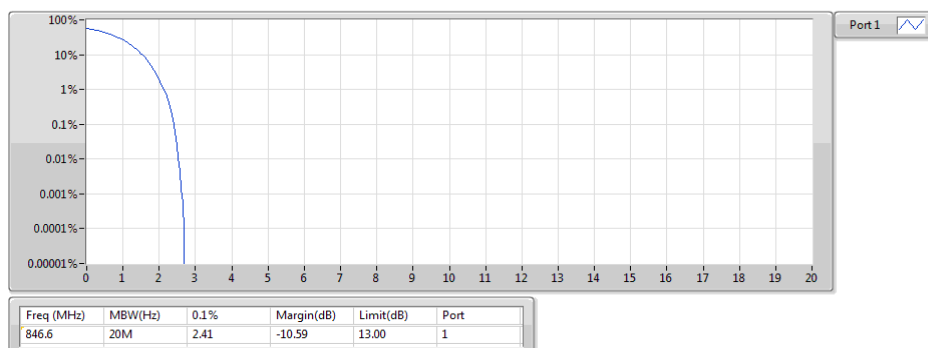
Band 5_WCDMA_5MHz_Nss1_1TX
836.4MHz

PAR



Band 5_WCDMA_5MHz_Nss1_1TX
846.6MHz

PAR





Ref. Freq:	836.5MHz	
Test Conditions	LTE Band 26(QPSK) / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit
		2.5 ppm
T20°CVmax	0.04	PASS
T20°CVmin	0.03	
T70°CVnom	0.02	
T60°CVnom	0.03	
T50°CVnom	0.04	
T40°CVnom	0.03	
T30°CVnom	0.03	
T20°CVnom	0.04	
T10°CVnom	0.02	
T0°CVnom	0.04	
T-10°CVnom	0.02	
T-20°CVnom	0.04	
T-30°CVnom	0.02	



Ref. Freq:	836.4MHz	
Test Conditions	WCDMA B5 / Middle channel	
Temperature (°C)	Deviation (ppm)	Limit
		2.5 ppm
T20°CVmax	0.04	PASS
T20°CVmin	0.04	
T70°CVnom	0.04	
T60°CVnom	0.03	
T50°CVnom	0.03	
T40°CVnom	0.02	
T30°CVnom	0.03	
T20°CVnom	0.05	
T10°CVnom	0.03	
T0°CVnom	0.04	
T-10°CVnom	0.04	
T-20°CVnom	0.03	
T-30°CVnom	0.03	