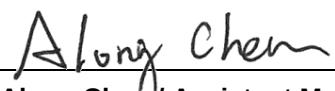


FCC Test Report

FCC ID : 2ASKHAQG01
Equipment : Arrow-VI
Model No. : 4-6340-17
(Please refer to section 1.1.1 for more details)
Brand Name : PHILLIPS CONNECT TECHNOLOGIES
Applicant : PHILLIPS CONNECT TECHNOLOGIES LLC
Address : 12012 Burke Street, SANTA FE SPRINGS,
California, 90670-2676, United States
Standard : 47 CFR FCC Part 27
Received Date : Jan. 06, 2021
Tested Date : Jan. 08 ~ Jan. 18, 2021

We, International Certification Corp., 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:

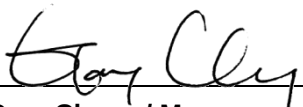

Gary Chang / Manager



Table of Contents

1	GENERAL DESCRIPTION	6
1.1	Information.....	6
1.2	Local Support Equipment List	9
1.3	Test Setup Chart	9
1.4	The Equipment List	10
1.5	Test Standards	11
1.6	Reference Guidance	11
1.7	Deviation from Test Standard and Measurement Procedure.....	11
1.8	Measurement Uncertainty	12
2	TEST CONFIGURATION.....	13
2.1	Testing Condition and Location Information.....	13
2.2	Testing Facility	13
2.3	The Worst Test Modes and Channel Details	14
3	TEST RESULTS	15
3.1	Effective Radiated Power	15
3.2	Radiated Emissions.....	16
3.3	Out of Band Emissions& Band Edge	18
3.4	Occupied Bandwidth and 26dB Bandwidth	20
3.5	Peak to Average Power Ratio	21
3.6	Frequency Stability.....	22
4	TEST LABORATORY INFORMATION	23

-->Continued to the next page-->

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LTE BAND 12

APPENDIX A TEST RESULTS FOR EFFECTIVE RADIATED POWER

APPENDIX B TEST RESULTS FOR E RADIATED EMISSIONS

APPENDIX C.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.2 TEST RESULTS FOR BAND EDGE

APPENDIX D TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX E TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F TEST RESULTS FOR FREQUENCY STABILITY

LTE BAND 13

APPENDIX G TEST RESULTS FOR EFFECTIVE RADIATED POWER

APPENDIX H TEST RESULTS FOR E RADIATED EMISSIONS

APPENDIX I.3TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX I.4TEST RESULTS FOR BAND EDGE

APPENDIX J TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX K TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX L TEST RESULTS FOR FREQUENCY STABILITY

Release Record

Report No.	Version	Description	Issued Date
FG110604-1P27	Rev. 01	Initial issue	Feb. 03, 2021

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 27.50(b)(10) 27.50(c)(10) 27.50(d)(4)	Effective Radiated Power	Power[dBm]: LTE Band 12: 18.93 LTE Band 13: 18.11	Pass
2.1053 27.53(c) 27.53(g) 27.53(h)	Radiated Emissions	Meet the requirement of limit	Pass
2.1053 / 27.53(f)	Radiated Spurious Emission in the 1559-1610MHz band	Meet the requirement of limit	Pass
2.1051 27.53(c) 27.53(g) 27.53(h)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 27.53(c) 27.53(g) 27.53(h)	Band Edge	Meet the requirement of limit	Pass
2.1049 / 27.53(h)	Occupied Bandwidth	Meet the requirement of limit	Pass
2.1055 / 27.54	Frequency Stability	Meet the requirement of limit	Pass
27.50(d)(5)	Peak to Average Ratio	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
PHILLIPS CONNECT TECHNOLOGIES	4-6340-17	Arrow-VI	LTE Cellular GPS Tracker
	4-6340-10		
	4-6341-17		
	4-6341-10		
★ All models are electrically identical, different model names are for marking purpose.			

1.1.2 Specification of the Equipment under Test (EUT)

Operating Frequency	LTE Band 12 Channel Bandwidth: 1.4MHz: 699.7 MHz ~ 715.3 MHz Channel Bandwidth: 3MHz: 700.5 MHz ~ 714.5 MHz Channel Bandwidth: 5MHz: 701.5 MHz ~ 713.5 MHz Channel Bandwidth: 10MHz: 704 MHz ~ 711 MHz LTE Band 13 Channel Bandwidth: 5MHz: 779.5 ~ 784.5 MHz Channel Bandwidth: 10MHz: 782 MHz
Modulation	QPSK, 16QAM
UE Category	M1
Release Version	13

1.1.3 Antenna Details

Ant. No.	Type	Connector	Gain (dBi)	Remark
1	Monopole	No	0.3	LTE Band 12
			-0.6	LTE Band 13

1.1.4 Power Supply Type of Equipment under Test (EUT)

Supply Voltage	12Vdc from battery		
Operational Voltage	☒ Vnom (12 V)	☒ Vmax (14 V)	☒ Vmin (10 V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (60°C)	☒ Tmin (0°C)

1.1.5 Accessories

N/A

1.1.6 Maximum ERP and Emission Designator

LTE Band 12

Channel Bandwidth	Modulation	Maximum ERP (W)	Emission Designator
1.4 MHz	QPSK	0.073	1M08G7D
1.4 MHz	16QAM	0.057	1M08W7D
3 MHz	QPSK	0.076	1M08G7D
3 MHz	16QAM	0.059	1M08W7D
5 MHz	QPSK	0.078	1M09G7D
5 MHz	16QAM	0.078	1M09W7D
10 MHz	QPSK	0.078	1M09G7D
10 MHz	16QAM	0.077	1M10W7D

LTE Band 13

Channel Bandwidth	Modulation	Maximum ERP (W)	Emission Designator
5 MHz	QPSK	0.065	1M09G7D
5 MHz	16QAM	0.065	1M09W7D
10 MHz	QPSK	0.060	1M09G7D
10 MHz	16QAM	0.058	1M09W7D

1.1.7 Operating Channel List

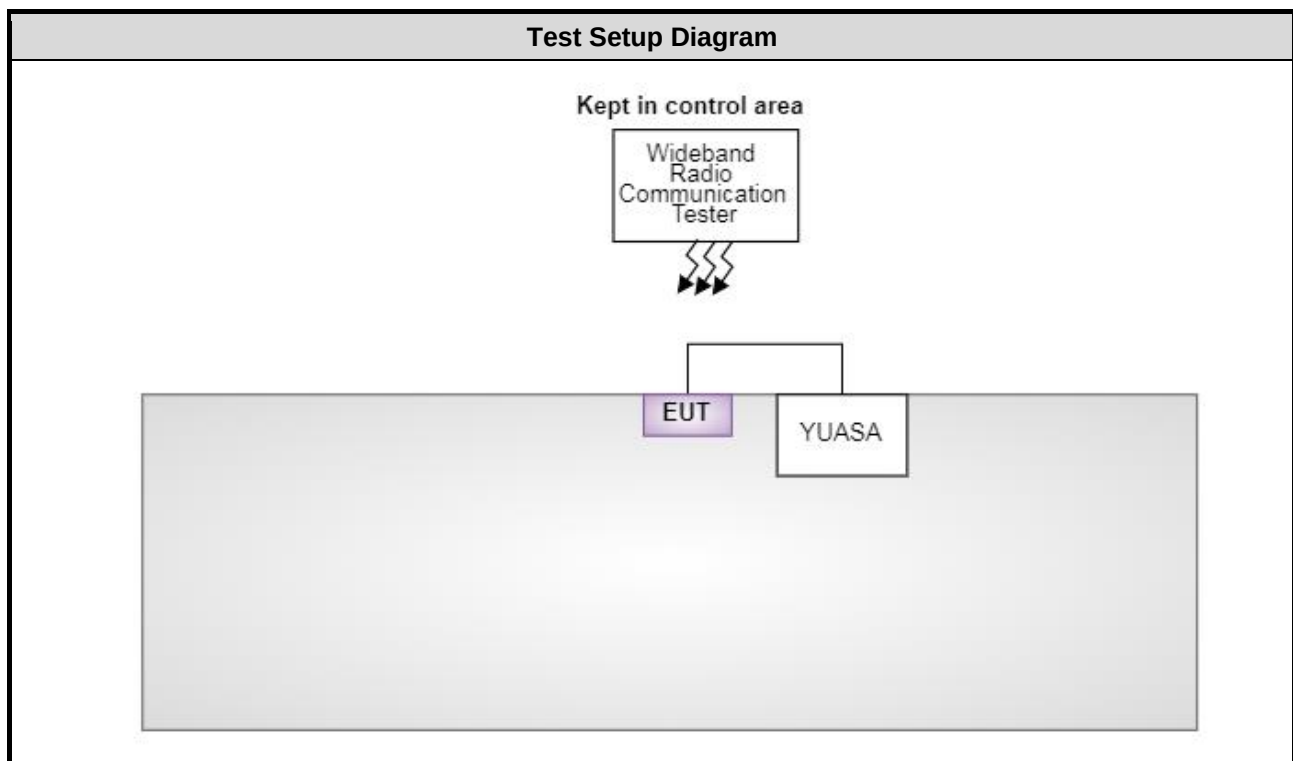
LTE Band 12		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
1.4	23017	699.7
1.4	23095	707.5
1.4	23173	715.3
3	23025	700.5
3	23095	707.5
3	23165	714.5
5	23035	701.5
5	23095	707.5
5	23155	713.5
10	23060	704.0
10	23095	707.5
10	23130	711.0

LTE Band 13		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	23205	779.5
5	23230	782.0
5	23255	784.5
10	23230	782.0

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	DC Battery	YUASA	38B19R(S)-MF	---	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Jan. 09 ~ Jan. 12, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Wideband Radio Communication Tester	R&S	CMW500	106070	Feb. 06, 2020	Feb. 05, 2021
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 10, 2020	Jul. 09, 2021
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
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2020	Nov. 16, 2021
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 06, 2020	Oct. 05, 2021
Preamplifier	EMC	EMC02325	980225	Jul. 03, 2020	Jul. 02, 2021
Preamplifier	Agilent	83017A	MY39501308	Sep. 26, 2020	Sep. 25, 2021
Preamplifier	EMC	EMC184045B	980192	Jul. 21, 2020	Jul. 20, 2021
RF Cable	EMC	EMC104-SM-SM-8000	181106	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
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	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-N W-11000	200801	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	Jan. 08 ~ Jan. 18, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 30, 2020	Apr. 29, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	May 06, 2020	May 05, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	May 06, 2020	May 05, 2021
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 09, 2020	Nov. 08, 2021
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA

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

1.5 Test Standards

47 CFR FCC Part 27

ANSI C63.26-2015

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

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

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

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	20-22°C / 68-69%	Brad Wu Akun Chung
RF Conducted	TH01-WS	22-24°C / 61-66%	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

LTE Band 12			
Test item	Channel Bandwidths	Modulation	Test channel
E.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	1.4 MHz 3 MHz 5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	23017 / 23095 / 23173 23025 / 23095 / 23165 23035 / 23095 / 23155 23060 / 23095 / 23130
Radiated Emission $\leq$ 1GHz	1.4 MHz 3 MHz 5 MHz 10 MHz	QPSK QPSK QPSK QPSK	23095 23095 23095 23095
Radiated Emission $>$ 1GHz	1.4 MHz 3 MHz 5 MHz 10 MHz	QPSK QPSK QPSK QPSK	23017 / 23095 / 23173 23025 / 23095 / 23165 23035 / 23095 / 23155 23060 / 23095 / 23130
Band Edge	1.4 MHz 3 MHz 5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	23017 / 23173 23025 / 23165 23035 / 23155 23060 / 23130
Frequency Stability	1.4 MHz 3 MHz 5 MHz 10 MHz	QPSK QPSK QPSK QPSK	23017 / 23173 23025 / 23165 23035 / 23155 23060 / 23130
Note: The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.			

LTE Band 13			
Test item	Channel Bandwidth	Modulation	Test channel
E.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM	23205 / 23230 / 23255 23230
Radiated Emission $\leq$ 1GHz	5 MHz 10 MHz	QPSK QPSK	23230 23230
Radiated Emission $>$ 1GHz	5 MHz 10 MHz	QPSK QPSK	23205 / 23230 / 23255 23230
Band Edge	5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM	23205 / 23255 23230
Frequency Stability	5 MHz 10 MHz	QPSK QPSK	23205 / 23255 23230
Note: The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Y-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

Portable stations (hand-held devices) are limited to 3 watts ERP.

3.1.2 Test Procedures

For E.R.P measurement

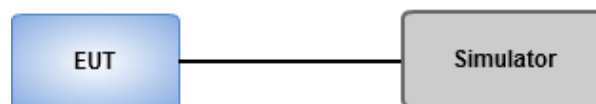
ERP can be calculated by below formula from KDB 412172 D01.

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

For Conducted power measurement

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

3.1.3 Test Setup



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

Refer to Appendix A, G.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

LTE Band 12 /13

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.

LTE Band 13

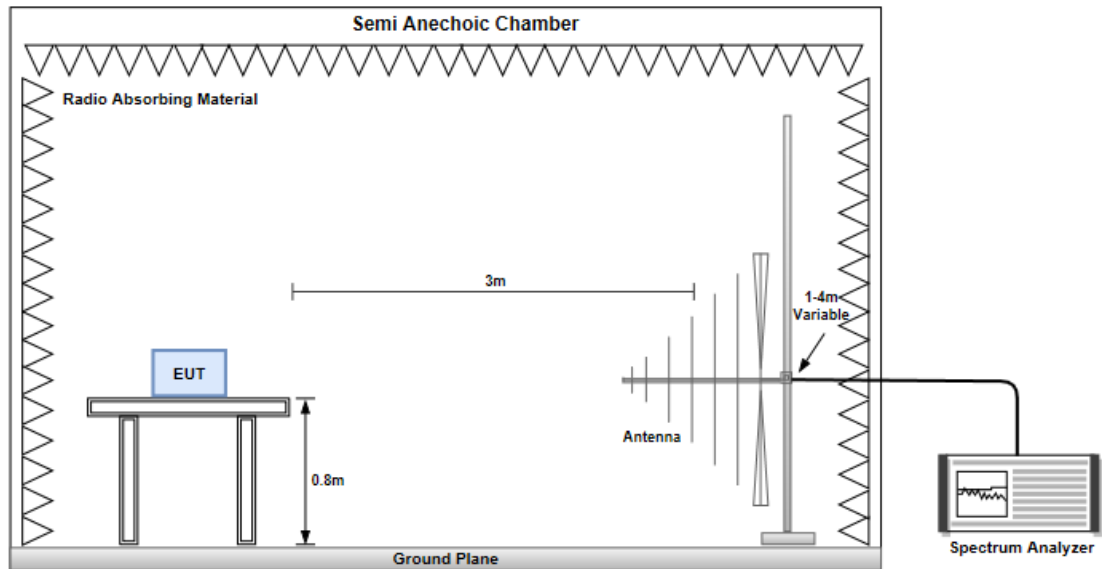
For operations in the 775-788 MHz emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

3.2.2 Test Procedures

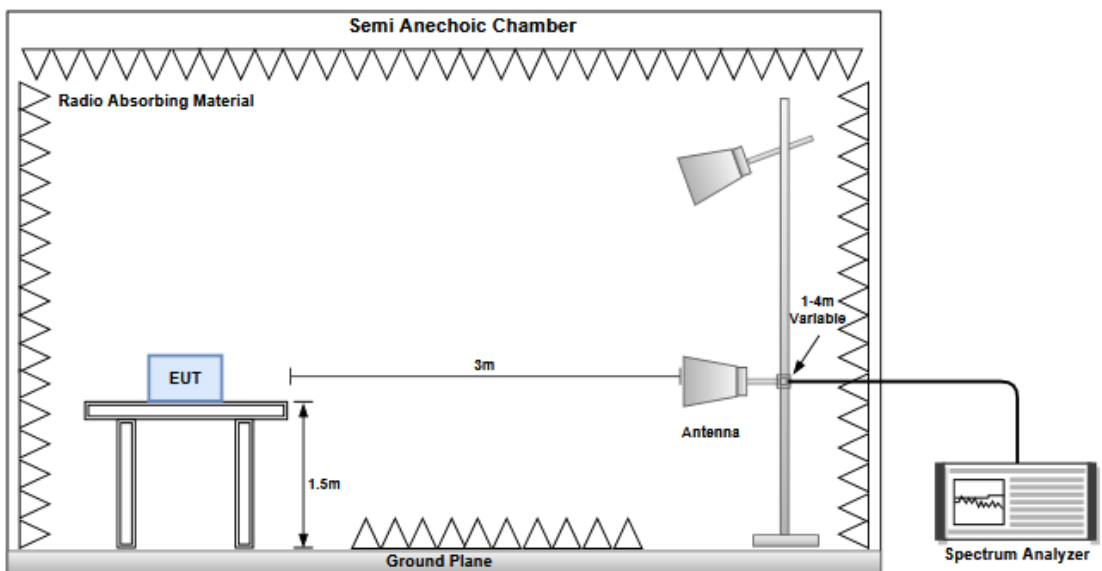
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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 = output power of step 4 + gain of substitution antenna – cable loss of RF cable. ERP can be calculated by below formula:
$$E.R.P = E.I.R.P - 2.15dB.$$

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions below 1GHz

Refer to Appendix B, H.

3.3 Out of Band Emissions& Band Edge

3.3.1 Limit of Out of Band Emissions& Band Edge

LTE Band 12 / 13

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.

LTE Band 13

On all frequencies between 763 ~ 775 MHz and 793 ~ 805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

3.3.2 Test Procedures

Out of band emission

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

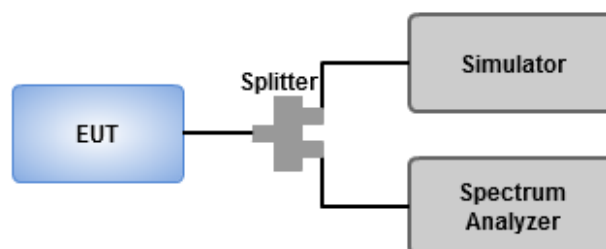
Band edge

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

763 ~ 775 MHz / 793 ~ 805 MHz

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

3.3.3 Test Setup



3.3.4 Test Result of Out of Band Emissions & Band Edge

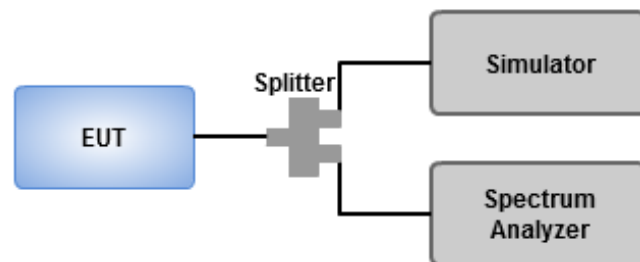
Refer to Appendix C.1, C.2, I3, I4.

3.4 Occupied Bandwidth and 26dB Bandwidth

3.4.1 Test Procedures

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

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26 dB Bandwidth

Refer to Appendix D, J.

3.5 Peak to Average Power Ratio

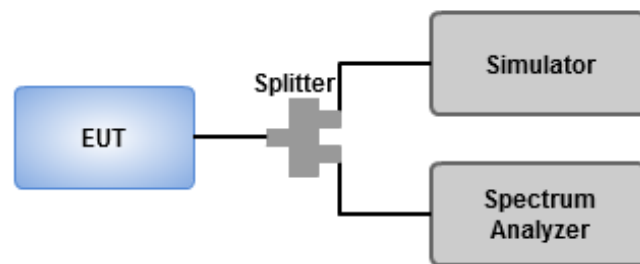
3.5.1 Limit of Peak to Average Power Ratio

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

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Power Ratio

Refer to Appendix E, K.

3.6 Frequency Stability

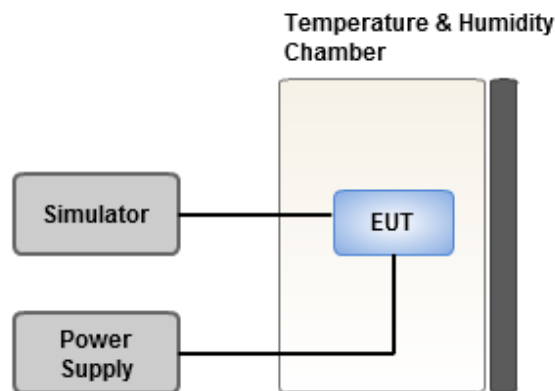
3.6.1 Limit of Frequency Stability

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

3.6.2 Test Procedures

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

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

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

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

Linkou

Tel: 886-2-2601-1640

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

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd St.,
Kwei Shan District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==

Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 12	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	20.50	0.112	18.65	0.07328
LTE-M1_1.4MHz_Nss1,16QAM_1TX	19.39	0.087	17.54	0.05675
LTE-M1_3MHz_Nss1,QPSK_1TX	20.67	0.117	18.82	0.07621
LTE-M1_3MHz_Nss1,16QAM_1TX	19.53	0.090	17.68	0.05861
LTE-M1_5MHz_Nss1,QPSK_1TX	20.78	0.120	18.93	0.07816
LTE-M1_5MHz_Nss1,16QAM_1TX	20.76	0.119	18.91	0.07780
LTE-M1_10MHz_Nss1,QPSK_1TX	20.78	0.120	18.93	0.07816
LTE-M1_10MHz_Nss1,16QAM_1TX	20.73	0.118	18.88	0.07727

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 12_LTE-M1_1.4MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
699.7MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.76	18.61	0.07261	3	20.46	0.111	Inf	20.46
699.7MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.57	18.42	0.06950	3	20.27	0.106	Inf	20.27
699.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.61	16.46	0.04426	3	18.31	0.068	Inf	18.31
707.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.80	18.65	0.07328	3	20.50	0.112	Inf	20.5
707.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.59	18.44	0.06982	3	20.29	0.107	Inf	20.29
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.66	16.51	0.04477	3	18.36	0.069	Inf	18.36
715.3MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.31	18.16	0.06546	3	20.01	0.100	Inf	20.01
715.3MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.16	18.01	0.06324	3	19.86	0.097	Inf	19.86
715.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.41	16.26	0.04227	3	18.11	0.065	Inf	18.11
699.7MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.39	17.24	0.05297	3	19.09	0.081	Inf	19.09
699.7MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.17	17.02	0.05035	3	18.87	0.077	Inf	18.87
699.7MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.42	16.27	0.04236	3	18.12	0.065	Inf	18.12
707.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.69	17.54	0.05675	3	19.39	0.087	Inf	19.39
707.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.54	17.39	0.05483	3	19.24	0.084	Inf	19.24
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.55	16.40	0.04365	3	18.25	0.067	Inf	18.25
715.3MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.67	17.52	0.05649	3	19.37	0.086	Inf	19.37
715.3MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.60	17.45	0.05559	3	19.30	0.085	Inf	19.3
715.3MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.31	16.16	0.04130	3	18.01	0.063	Inf	18.01
Band 12_LTE-M1_3MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
700.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.78	18.63	0.07295	3	20.48	0.112	Inf	20.48
700.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	20.74	18.59	0.07228	3	20.44	0.111	Inf	20.44
700.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.58	18.43	0.06966	3	20.28	0.107	Inf	20.28
700.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.70	18.55	0.07161	3	20.40	0.110	Inf	20.4
700.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	19.50	17.35	0.05433	3	19.20	0.083	Inf	19.2
700.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	0.30	19.52	17.37	0.05458	3	19.22	0.084	Inf	19.22
700.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.52	16.37	0.04335	3	18.22	0.066	Inf	18.22
700.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	0.30	18.59	16.44	0.04406	3	18.29	0.067	Inf	18.29
707.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.97	18.82	0.07621	3	20.67	0.117	Inf	20.67
707.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	20.81	18.66	0.07345	3	20.51	0.112	Inf	20.51
707.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.66	18.51	0.07096	3	20.36	0.109	Inf	20.36
707.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.61	18.46	0.07015	3	20.31	0.107	Inf	20.31
707.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	19.62	17.47	0.05585	3	19.32	0.086	Inf	19.32
707.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	0.30	19.53	17.38	0.05470	3	19.23	0.084	Inf	19.23
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.65	16.50	0.04467	3	18.35	0.068	Inf	18.35
707.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	0.30	18.70	16.55	0.04519	3	18.40	0.069	Inf	18.4
714.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.45	18.30	0.06761	3	20.15	0.104	Inf	20.15

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
714.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	20.22	18.07	0.06412	3	19.92	0.098	Inf	19.92
714.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	0.30	20.32	18.17	0.06561	3	20.02	0.100	Inf	20.02
714.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.23	18.08	0.06427	3	19.93	0.098	Inf	19.93
714.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	19.42	17.27	0.05333	3	19.12	0.082	Inf	19.12
714.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	0.30	19.19	17.04	0.05058	3	18.89	0.077	Inf	18.89
714.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	18.40	16.25	0.04217	3	18.10	0.065	Inf	18.1
714.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	0.30	18.33	16.18	0.04150	3	18.03	0.064	Inf	18.03
700.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.46	17.31	0.05383	3	19.16	0.082	Inf	19.16
700.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	19.35	17.20	0.05248	3	19.05	0.080	Inf	19.05
700.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.25	17.10	0.05129	3	18.95	0.079	Inf	18.95
700.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	19.32	17.17	0.05212	3	19.02	0.080	Inf	19.02
700.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	18.31	16.16	0.04130	3	18.01	0.063	Inf	18.01
700.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	0.30	18.35	16.20	0.04169	3	18.05	0.064	Inf	18.05
700.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.51	16.36	0.04325	3	18.21	0.066	Inf	18.21
700.5MHz_16QAM_RB 6,#RB 0,NB 1	Pass	0.30	18.48	16.33	0.04295	3	18.18	0.066	Inf	18.18
707.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.57	17.42	0.05521	3	19.27	0.085	Inf	19.27
707.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	19.61	17.46	0.05572	3	19.31	0.085	Inf	19.31
707.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.34	17.19	0.05236	3	19.04	0.080	Inf	19.04
707.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	19.48	17.33	0.05408	3	19.18	0.083	Inf	19.18
707.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	18.33	16.18	0.04150	3	18.03	0.064	Inf	18.03
707.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	0.30	18.32	16.17	0.04140	3	18.02	0.063	Inf	18.02
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.62	16.47	0.04436	3	18.32	0.068	Inf	18.32
707.5MHz_16QAM_RB 6,#RB 0,NB 1	Pass	0.30	18.47	16.32	0.04285	3	18.17	0.066	Inf	18.17
714.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	19.83	17.68	0.05861	3	19.53	0.090	Inf	19.53
714.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	19.68	17.53	0.05662	3	19.38	0.087	Inf	19.38
714.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	0.30	19.58	17.43	0.05534	3	19.28	0.085	Inf	19.28
714.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	19.60	17.45	0.05559	3	19.30	0.085	Inf	19.3
714.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	18.42	16.27	0.04236	3	18.12	0.065	Inf	18.12
714.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	0.30	18.37	16.22	0.04188	3	18.07	0.064	Inf	18.07
714.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	18.34	16.19	0.04159	3	18.04	0.064	Inf	18.04
714.5MHz_16QAM_RB 6,#RB 0,NB 1	Pass	0.30	18.32	16.17	0.04140	3	18.02	0.063	Inf	18.02
Band 12_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
701.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.80	18.65	0.07328	3	20.50	0.112	Inf	20.5
701.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	20.98	18.83	0.07638	3	20.68	0.117	Inf	20.68
701.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.65	18.50	0.07079	3	20.35	0.108	Inf	20.35
701.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
701.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.74	18.59	0.07228	3	20.44	0.111	Inf	20.44
701.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	0.30	20.77	18.62	0.07278	3	20.47	0.111	Inf	20.47

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
701.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.50	17.35	0.05433	3	19.20	0.083	Inf	19.2
701.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	0.30	19.49	17.34	0.05420	3	19.19	0.083	Inf	19.19
707.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.87	18.72	0.07447	3	20.57	0.114	Inf	20.57
707.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	21.08	18.93	0.07816	3	20.78	0.120	Inf	20.78
707.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.78	18.63	0.07295	3	20.48	0.112	Inf	20.48
707.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
707.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.78	18.63	0.07295	3	20.48	0.112	Inf	20.48
707.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	0.30	20.68	18.53	0.07129	3	20.38	0.109	Inf	20.38
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.65	17.50	0.05623	3	19.35	0.086	Inf	19.35
707.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	0.30	19.58	17.43	0.05534	3	19.28	0.085	Inf	19.28
713.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	20.86	18.71	0.07430	3	20.56	0.114	Inf	20.56
713.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	0.30	21.02	18.87	0.07709	3	20.72	0.118	Inf	20.72
713.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	0.30	20.64	18.49	0.07063	3	20.34	0.108	Inf	20.34
713.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.50	18.35	0.06839	3	20.20	0.105	Inf	20.2
713.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.67	18.52	0.07112	3	20.37	0.109	Inf	20.37
713.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	0.30	20.58	18.43	0.06966	3	20.28	0.107	Inf	20.28
713.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.50	17.35	0.05433	3	19.20	0.083	Inf	19.2
713.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	0.30	19.31	17.16	0.05200	3	19.01	0.080	Inf	19.01
701.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	20.96	18.81	0.07603	3	20.66	0.116	Inf	20.66
701.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	20.93	18.78	0.07551	3	20.63	0.116	Inf	20.63
701.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	20.90	18.75	0.07499	3	20.60	0.115	Inf	20.6
701.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.92	18.77	0.07534	3	20.62	0.115	Inf	20.62
701.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.65	18.50	0.07079	3	20.35	0.108	Inf	20.35
701.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	0.30	20.56	18.41	0.06934	3	20.26	0.106	Inf	20.26
701.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	19.50	17.35	0.05433	3	19.20	0.083	Inf	19.2
701.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	0.30	19.48	17.33	0.05408	3	19.18	0.083	Inf	19.18
707.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	21.05	18.90	0.07762	3	20.75	0.119	Inf	20.75
707.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	21.06	18.91	0.07780	3	20.76	0.119	Inf	20.76
707.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	20.99	18.84	0.07656	3	20.69	0.117	Inf	20.69
707.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.93	18.78	0.07551	3	20.63	0.116	Inf	20.63
707.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.69	18.54	0.07145	3	20.39	0.109	Inf	20.39
707.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	0.30	20.73	18.58	0.07211	3	20.43	0.110	Inf	20.43
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	19.63	17.48	0.05598	3	19.33	0.086	Inf	19.33
707.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	0.30	19.65	17.50	0.05623	3	19.35	0.086	Inf	19.35
713.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	20.99	18.84	0.07656	3	20.69	0.117	Inf	20.69
713.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	0.30	20.92	18.77	0.07534	3	20.62	0.115	Inf	20.62
713.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	0.30	20.71	18.56	0.07178	3	20.41	0.110	Inf	20.41
713.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.65	18.50	0.07079	3	20.35	0.108	Inf	20.35

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
713.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.67	18.52	0.07112	3	20.37	0.109	Inf	20.37
713.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	0.30	20.39	18.24	0.06668	3	20.09	0.102	Inf	20.09
713.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	19.60	17.45	0.05559	3	19.30	0.085	Inf	19.3
713.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	0.30	19.46	17.31	0.05383	3	19.16	0.082	Inf	19.16
Band 12_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
704MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	21.03	18.88	0.07727	3	20.73	0.118	Inf	20.73
704MHz_QPSK_RB 1,#RB 0,NB 3	Pass	0.30	20.89	18.74	0.07482	3	20.59	0.115	Inf	20.59
704MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
704MHz_QPSK_RB 1,#RB 5,NB 7	Pass	0.30	20.73	18.58	0.07211	3	20.43	0.110	Inf	20.43
704MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
704MHz_QPSK_RB 3,#RB 3,NB 7	Pass	0.30	20.63	18.48	0.07047	3	20.33	0.108	Inf	20.33
704MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.43	17.28	0.05346	3	19.13	0.082	Inf	19.13
704MHz_QPSK_RB 6,#RB 0,NB 7	Pass	0.30	19.64	17.49	0.05610	3	19.34	0.086	Inf	19.34
707.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	21.08	18.93	0.07816	3	20.78	0.120	Inf	20.78
707.5MHz_QPSK_RB 1,#RB 0,NB 3	Pass	0.30	20.88	18.73	0.07464	3	20.58	0.114	Inf	20.58
707.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
707.5MHz_QPSK_RB 1,#RB 5,NB 7	Pass	0.30	20.60	18.45	0.06998	3	20.30	0.107	Inf	20.3
707.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.67	18.52	0.07112	3	20.37	0.109	Inf	20.37
707.5MHz_QPSK_RB 3,#RB 3,NB 7	Pass	0.30	20.68	18.53	0.07129	3	20.38	0.109	Inf	20.38
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.54	17.39	0.05483	3	19.24	0.084	Inf	19.24
707.5MHz_QPSK_RB 6,#RB 0,NB 7	Pass	0.30	19.39	17.24	0.05297	3	19.09	0.081	Inf	19.09
711MHz_QPSK_RB 1,#RB 0,NB 0	Pass	0.30	21.06	18.91	0.07780	3	20.76	0.119	Inf	20.76
711MHz_QPSK_RB 1,#RB 0,NB 3	Pass	0.30	20.87	18.72	0.07447	3	20.57	0.114	Inf	20.57
711MHz_QPSK_RB 1,#RB 5,NB 3	Pass	0.30	20.63	18.48	0.07047	3	20.33	0.108	Inf	20.33
711MHz_QPSK_RB 1,#RB 5,NB 7	Pass	0.30	20.62	18.47	0.07031	3	20.32	0.108	Inf	20.32
711MHz_QPSK_RB 3,#RB 0,NB 0	Pass	0.30	20.84	18.69	0.07396	3	20.54	0.113	Inf	20.54
711MHz_QPSK_RB 3,#RB 3,NB 7	Pass	0.30	20.53	18.38	0.06887	3	20.23	0.105	Inf	20.23
711MHz_QPSK_RB 6,#RB 0,NB 0	Pass	0.30	19.55	17.40	0.05495	3	19.25	0.084	Inf	19.25
711MHz_QPSK_RB 6,#RB 0,NB 7	Pass	0.30	19.31	17.16	0.05200	3	19.01	0.080	Inf	19.01
704MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	21.01	18.86	0.07691	3	20.71	0.118	Inf	20.71
704MHz_16QAM_RB 1,#RB 0,NB 3	Pass	0.30	21.00	18.85	0.07674	3	20.70	0.117	Inf	20.7
704MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.94	18.79	0.07568	3	20.64	0.116	Inf	20.64
704MHz_16QAM_RB 1,#RB 5,NB 7	Pass	0.30	20.89	18.74	0.07482	3	20.59	0.115	Inf	20.59
704MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.67	18.52	0.07112	3	20.37	0.109	Inf	20.37
704MHz_16QAM_RB 3,#RB 3,NB 7	Pass	0.30	20.73	18.58	0.07211	3	20.43	0.110	Inf	20.43
704MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	20.65	18.50	0.07079	3	20.35	0.108	Inf	20.35
704MHz_16QAM_RB 6,#RB 0,NB 7	Pass	0.30	20.77	18.62	0.07278	3	20.47	0.111	Inf	20.47
707.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	21.02	18.87	0.07709	3	20.72	0.118	Inf	20.72

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
707.5MHz_16QAM_RB 1,#RB 0,NB 3	Pass	0.30	21.03	18.88	0.07727	3	20.73	0.118	Inf	20.73
707.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.80	18.65	0.07328	3	20.50	0.112	Inf	20.5
707.5MHz_16QAM_RB 1,#RB 5,NB 7	Pass	0.30	20.99	18.84	0.07656	3	20.69	0.117	Inf	20.69
707.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.65	18.50	0.07079	3	20.35	0.108	Inf	20.35
707.5MHz_16QAM_RB 3,#RB 3,NB 7	Pass	0.30	20.64	18.49	0.07063	3	20.34	0.108	Inf	20.34
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	20.62	18.47	0.07031	3	20.32	0.108	Inf	20.32
707.5MHz_16QAM_RB 6,#RB 0,NB 7	Pass	0.30	20.59	18.44	0.06982	3	20.29	0.107	Inf	20.29
711MHz_16QAM_RB 1,#RB 0,NB 0	Pass	0.30	21.03	18.88	0.07727	3	20.73	0.118	Inf	20.73
711MHz_16QAM_RB 1,#RB 0,NB 3	Pass	0.30	20.95	18.80	0.07586	3	20.65	0.116	Inf	20.65
711MHz_16QAM_RB 1,#RB 5,NB 3	Pass	0.30	20.79	18.64	0.07311	3	20.49	0.112	Inf	20.49
711MHz_16QAM_RB 1,#RB 5,NB 7	Pass	0.30	20.75	18.60	0.07244	3	20.45	0.111	Inf	20.45
711MHz_16QAM_RB 3,#RB 0,NB 0	Pass	0.30	20.66	18.51	0.07096	3	20.36	0.109	Inf	20.36
711MHz_16QAM_RB 3,#RB 3,NB 7	Pass	0.30	20.51	18.36	0.06855	3	20.21	0.105	Inf	20.21
711MHz_16QAM_RB 6,#RB 0,NB 0	Pass	0.30	20.92	18.77	0.07534	3	20.62	0.115	Inf	20.62
711MHz_16QAM_RB 6,#RB 0,NB 7	Pass	0.30	20.73	18.58	0.07211	3	20.43	0.110	Inf	20.43

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

Test Result of Radiated Emissions below 1GHz

Mode	LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
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	H	-64.94	-13	-51.94	-71.02	-43.34	-19.45
46.49	H	-67.67	-13	-54.67	-71.38	-48.85	-16.67
115.36	H	-74.4	-13	-61.4	-69.59	-66.43	-5.82
689.6	H	-55.72	-13	-42.72	-60.17	-51.88	-1.69
725.49	H	-46.8	-13	-33.8	-52.44	-42.75	-1.9
745.86	H	-49.19	-13	-36.19	-55.59	-44.96	-2.08
32.91	V	-65.14	-13	-52.14	-58.27	-44.25	-18.74
41.64	V	-68.97	-13	-55.97	-63.36	-49.45	-17.37
73.65	V	-69.53	-13	-56.53	-65.55	-58.04	-9.34
687.66	V	-57.4	-13	-44.4	-63.89	-53.56	-1.69
724.52	V	-47.87	-13	-34.87	-55.06	-43.82	-1.9
758.47	V	-55.69	-13	-42.69	-63.41	-51.47	-2.07

Mode	LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.97	H	-64.59	-13	-51.59	-70.48	-43.23	-19.21
46.49	H	-70.21	-13	-57.21	-73.92	-51.39	-16.67
73.65	H	-73.98	-13	-60.98	-69.42	-62.49	-9.34
440.31	H	-69.77	-13	-56.77	-70.51	-66.32	-1.3
692.51	H	-59.79	-13	-46.79	-64.32	-55.95	-1.69
724.52	H	-49.4	-13	-36.4	-55	-45.35	-1.9
32.91	V	-70.97	-13	-57.97	-64.1	-50.08	-18.74
73.65	V	-66.3	-13	-53.3	-62.32	-54.81	-9.34
80.44	V	-71.58	-13	-58.58	-68.79	-62.28	-7.15
120.21	V	-71.75	-13	-58.75	-69.78	-63.53	-6.07
692.51	V	-63.92	-13	-50.92	-70.47	-60.08	-1.69
731.31	V	-51.17	-13	-38.17	-58.53	-47.07	-1.95

Note: ERP = S.G Power value + Correction factor-2.15 dB

Mode	LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.97	H	-66.6	-13	-53.6	-72.49	-45.24	-19.21
46.49	H	-69.79	-13	-56.79	-73.5	-50.97	-16.67
420.91	H	-67.09	-13	-54.09	-67.55	-63.67	-1.27
440.31	H	-67.52	-13	-54.52	-68.26	-64.07	-1.3
689.6	H	-55.62	-13	-42.62	-60.07	-51.78	-1.69
724.52	H	-50.51	-13	-37.51	-56.11	-46.46	-1.9
42.61	V	-68.39	-13	-55.39	-62.92	-49	-17.24
73.65	V	-63.02	-13	-50.02	-59.04	-51.53	-9.34
79.47	V	-71.09	-13	-58.09	-68.34	-61.52	-7.42
120.21	V	-71.82	-13	-58.82	-69.85	-63.6	-6.07
690.57	V	-59.25	-13	-46.25	-65.77	-55.41	-1.69
724.52	V	-54.18	-13	-41.18	-61.37	-50.13	-1.9

Mode	LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
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	H	-66.3	-13	-53.3	-72.38	-44.7	-19.45
45.52	H	-70.4	-13	-57.4	-74.45	-51.42	-16.83
418	H	-67.51	-13	-54.51	-67.93	-64.1	-1.26
437.4	H	-70.45	-13	-57.45	-71.15	-67	-1.3
683.78	H	-57.08	-13	-44.08	-61.4	-53.23	-1.7
724.52	H	-53.37	-13	-40.37	-58.97	-49.32	-1.9
42.61	V	-70.41	-13	-57.41	-64.97	-51.02	-17.24
133.79	V	-68.46	-13	-55.46	-67.38	-59.77	-6.54
164.83	V	-71.16	-13	-58.16	-71.23	-63.1	-5.91
437.4	V	-69.54	-13	-56.54	-70.72	-66.09	-1.3
692.51	V	-57.93	-13	-44.93	-64.48	-54.09	-1.69
724.52	V	-53.59	-13	-40.59	-60.78	-49.54	-1.9

Note: ERP = S.G Power value + Correction factor-2.15 dB

Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23017						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1398.5	H	-34.47	-13	-21.47	-38.86	-36.24	3.92
2097.75	H	-41.55	-13	-28.55	-48.59	-44.95	5.55
2797	H	-52.75	-13	-39.75	-61.57	-56.93	6.33
1398.5	V	-39.23	-13	-26.23	-43.33	-41	3.92
2097.75	V	-38.74	-13	-25.74	-45.77	-42.14	5.55
2797	V	-51.24	-13	-38.24	-60.15	-55.42	6.33

Mode	LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1414.1	H	-34.45	-13	-21.45	-38.83	-36.34	4.04
2121.15	H	-42.54	-13	-29.54	-49.77	-45.77	5.38
2828.2	H	-52.67	-13	-39.67	-61.64	-56.87	6.35
1414.1	V	-39.39	-13	-26.39	-43.52	-41.28	4.04
2121.15	V	-40.84	-13	-27.84	-48.08	-44.07	5.38
2828.2	V	-51.45	-13	-38.45	-60.45	-55.65	6.35

Mode	LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23173						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1429.7	H	-36.7	-13	-23.7	-41.07	-38.72	4.17
2144.55	H	-41.83	-13	-28.83	-49.23	-44.9	5.22
2859.4	H	-53.09	-13	-40.09	-67.22	-57.33	6.39
1429.7	V	-40.18	-13	-27.18	-44.33	-42.2	4.17
2144.55	V	-40.57	-13	-27.57	-48.02	-43.64	5.22
2859.4	V	-52.29	-13	-39.29	-61.38	-56.53	6.39

Note: ERP = S.G Power value + Correction factor-2.15 dB

Mode	LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23025						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1399.02	H	-34.24	-13	-21.24	-38.65	-36.01	3.92
2098.53	H	-41.37	-13	-28.37	-48.42	-44.77	5.55
2798.04	H	-52.58	-13	-39.58	-61.4	-56.75	6.32
1399.02	V	-39.46	-13	-26.46	-43.57	-41.23	3.92
2098.53	V	-38.88	-13	-25.88	-45.92	-42.28	5.55
2798.04	V	-51.52	-13	-38.52	-60.43	-55.69	6.32

Mode	LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1413.02	H	-34.82	-13	-21.82	-39.21	-36.7	4.03
2119.53	H	-42.7	-13	-29.7	-49.92	-45.95	5.4
2826.04	H	-52.47	-13	-39.47	-61.43	-56.67	6.35
1413.02	V	-39.75	-13	-26.75	-43.88	-41.63	4.03
2119.53	V	-41.03	-13	-28.03	-48.26	-44.28	5.4
2826.04	V	-51.85	-13	-38.85	-60.85	-56.05	6.35

Mode	LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23165						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1427.02	H	-36.9	-13	-23.9	-41.27	-38.89	4.14
2140.53	H	-41.46	-13	-28.46	-48.83	-44.56	5.25
2854.04	H	-53.35	-13	-40.35	-62.46	-57.58	6.38
1427.02	V	-40	-13	-27	-44.15	-41.99	4.14
2140.53	V	-40.84	-13	-27.84	-48.25	-43.94	5.25
2854.04	V	-52.39	-13	-39.39	-61.47	-56.62	6.38

Note: ERP = S.G Power value + Correction factor-2.15 dB

Mode	LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23035						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1401.04	H	-34.54	-13	-21.54	-38.94	-36.32	3.93
2101.56	H	-41.15	-13	-28.15	-48.22	-44.52	5.52
2802.08	H	-52.56	-13	-39.56	-61.4	-56.73	6.32
1401.04	V	-39.46	-13	-26.46	-43.58	-41.24	3.93
2101.56	V	-38.86	-13	-25.86	-45.92	-42.23	5.52
2802.08	V	-51.54	-13	-38.54	-60.47	-55.71	6.32

Mode	LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1413.04	H	-34.23	-13	-21.23	-38.62	-36.11	4.03
2119.56	H	-42.75	-13	-29.75	-49.97	-46	5.4
2826.08	H	-52.5	-13	-39.5	-61.46	-56.7	6.35
1413.04	V	-39.15	-13	-26.15	-43.28	-41.03	4.03
2119.56	V	-41.13	-13	-28.13	-48.36	-44.38	5.4
2826.08	V	-51.57	-13	-38.57	-60.57	-55.77	6.35

Mode	LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23155						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1425.04	H	-36.92	-13	-23.92	-41.29	-38.9	4.13
2137.56	H	-42.21	-13	-29.21	-49.56	-45.33	5.27
2850.08	H	-53.04	-13	-40.04	-62.13	-57.27	6.38
1425.04	V	-40.41	-13	-27.41	-44.55	-42.39	4.13
2137.56	V	-40.88	-13	-27.88	-48.27	-44	5.27
2850.08	V	-52.6	-13	-39.6	-61.67	-56.83	6.38

Note: ERP = S.G Power value + Correction factor-2.15 dB

Mode	LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23060						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1399.54	H	-34.84	-13	-21.84	-39.25	-36.61	3.92
2099.31	H	-41.99	-13	-28.99	-49.05	-45.38	5.54
2799.08	H	-52.63	-13	-39.63	-61.46	-56.8	6.32
1399.54	V	-39.39	-13	-26.39	-43.51	-41.16	3.92
2099.31	V	-39.6	-13	-26.6	-46.64	-42.99	5.54
2799.08	V	-51.41	-13	-38.41	-60.33	-55.58	6.32

Mode	LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1406.54	H	-34.79	-13	-21.79	-39.19	-36.61	3.97
2109.81	H	-42.41	-13	-29.41	-49.55	-45.72	5.46
2813.08	H	-52.56	-13	-39.56	-61.46	-56.75	6.34
1406.54	V	-39.6	-13	-26.6	-43.73	-41.42	3.97
2109.81	V	-40.41	-13	-27.41	-47.55	-43.72	5.46
2813.08	V	-51.6	-13	-38.6	-60.56	-55.79	6.34

Mode	LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23130						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1413.54	H	-36.84	-13	-23.84	-41.23	-38.72	4.03
2120.31	H	-41.73	-13	-28.73	-48.95	-44.97	5.39
2827.08	H	-52.68	-13	-39.68	-61.65	-56.88	6.35
1413.54	V	-40.39	-13	-27.39	-44.52	-42.27	4.03
2120.31	V	-40.71	-13	-27.71	-47.95	-43.95	5.39
2827.08	V	-52.51	-13	-39.51	-61.51	-56.71	6.35

Note: ERP = S.G Power value + Correction factor-2.15 dB

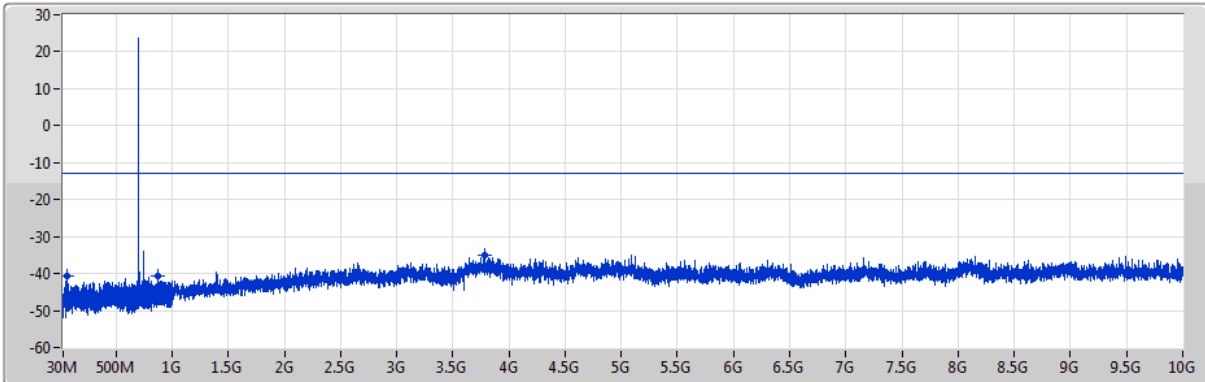
**Summary**

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 12	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7873G	-34.92	-13.00	-21.92	1	-	-
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7558G	-32.67	-13.00	-19.67	1	-	-
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.8323G	-34.65	-13.00	-21.65	1	-	-
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	8.1019G	-34.64	-13.00	-21.64	1	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	5.617G	-34.74	-13.00	-21.74	1	-	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7954G	-33.81	-13.00	-20.81	1	-	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.8521G	-34.06	-13.00	-21.06	1	-	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.8026G	-34.60	-13.00	-21.60	1	-	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz



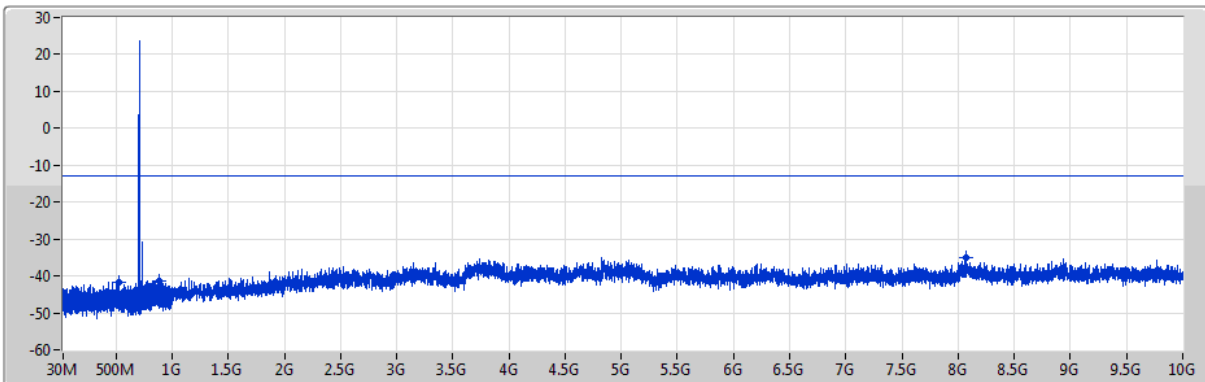
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	59.11M	-40.70	-13.00	-27.70	1	-
816M	1G	1M	3M	Peak	871.38M	-40.64	-13.00	-27.64	1	-
1G	10G	1M	3M	Peak	3.7873G	-34.92	-13.00	-21.92	1	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



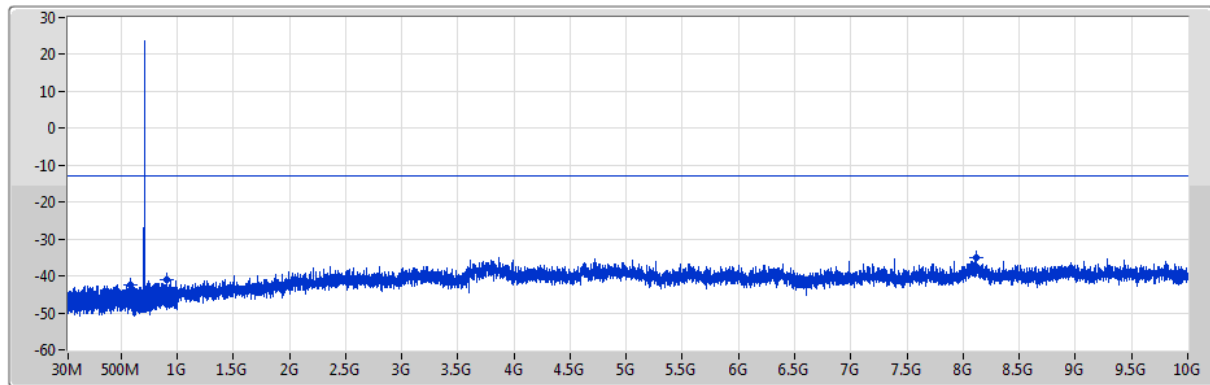
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	531.83M	-41.56	-13.00	-28.56	1	-
816M	1G	1M	3M	Peak	888.5M	-41.47	-13.00	-28.47	1	-
1G	10G	1M	3M	Peak	8.0686G	-35.09	-13.00	-22.09	1	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

715.3MHz



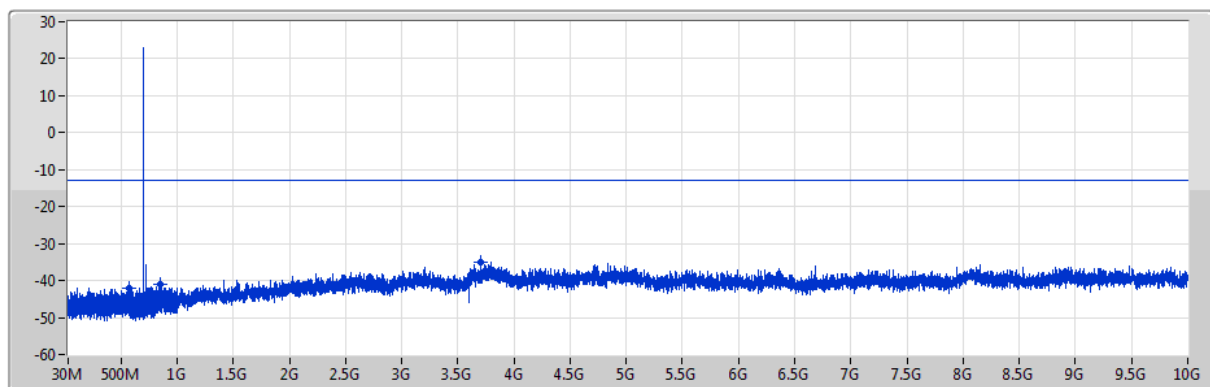
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	580.96M	-42.32	-13.00	-29.32	1	-
816M	1G	1M	3M	Peak	906.8M	-41.00	-13.00	-28.00	1	-
1G	10G	1M	3M	Peak	8.1163G	-35.06	-13.00	-22.06	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz



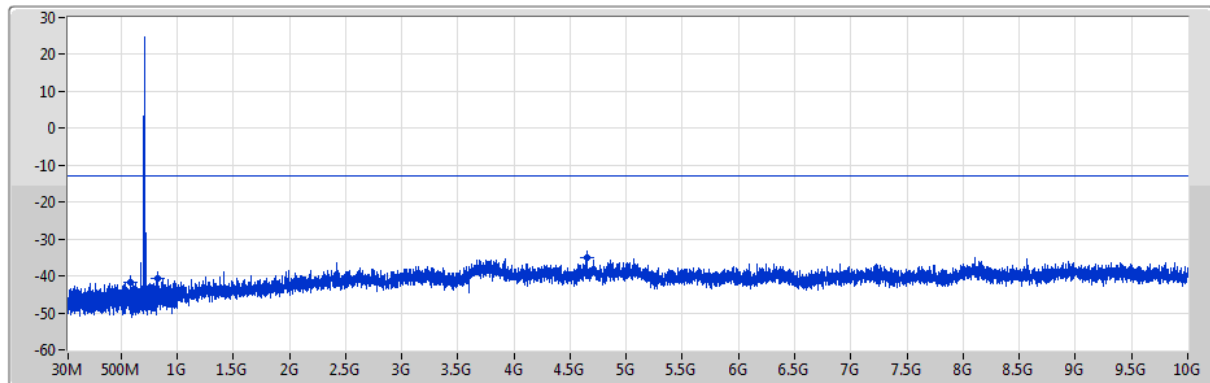
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	573.72M	-41.96	-13.00	-28.96	1	-
816M	1G	1M	3M	Peak	846.91M	-41.16	-13.00	-28.16	1	-
1G	10G	1M	3M	Peak	3.709G	-35.01	-13.00	-22.01	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz

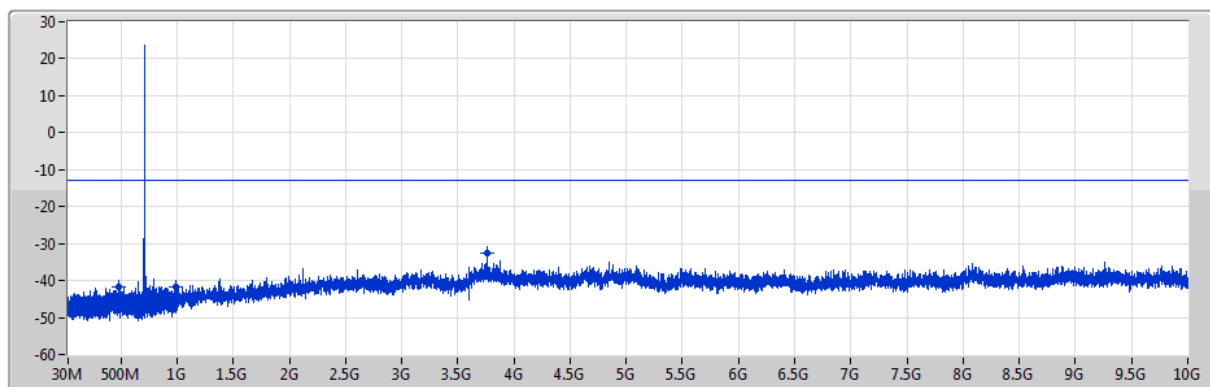


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	588.34M	-41.80	-13.00	-28.80	1	-
816M	1G	1M	3M	Peak	831.64M	-40.76	-13.00	-27.76	1	-
1G	10G	1M	3M	Peak	4.654G	-35.11	-13.00	-22.11	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz

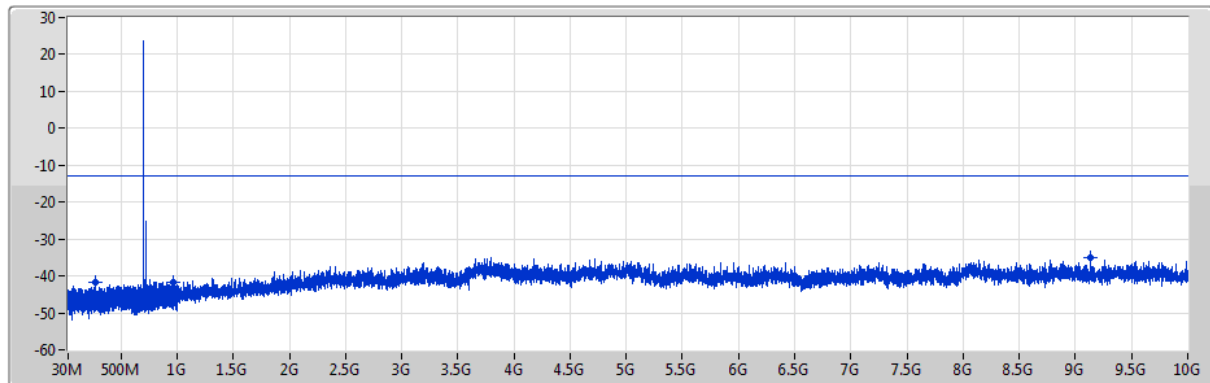


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	476.31M	-41.60	-13.00	-28.60	1	-
816M	1G	1M	3M	Peak	990.06M	-41.56	-13.00	-28.56	1	-
1G	10G	1M	3M	Peak	3.7558G	-32.67	-13.00	-19.67	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz



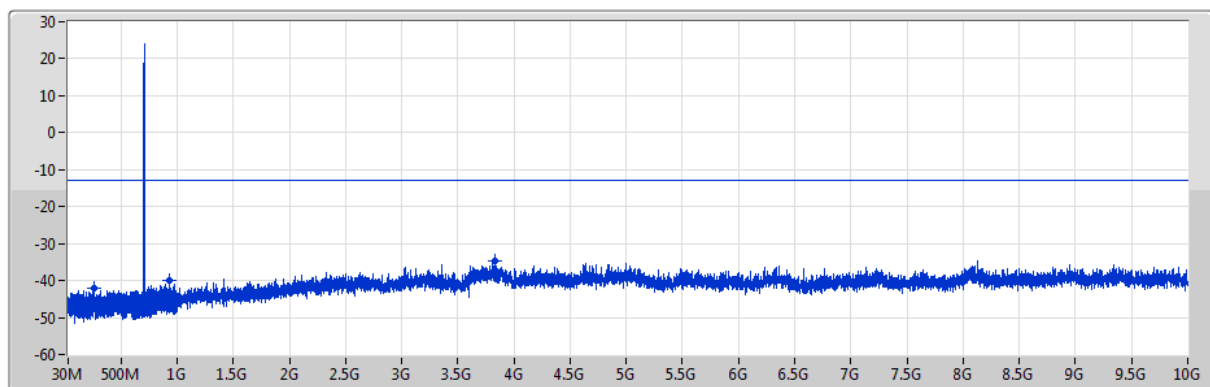
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	267.42M	-41.79	-13.00	-28.79	1	-
816M	1G	1M	3M	Peak	969.82M	-41.60	-13.00	-28.60	1	-
1G	10G	1M	3M	Peak	9.1324G	-34.93	-13.00	-21.93	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



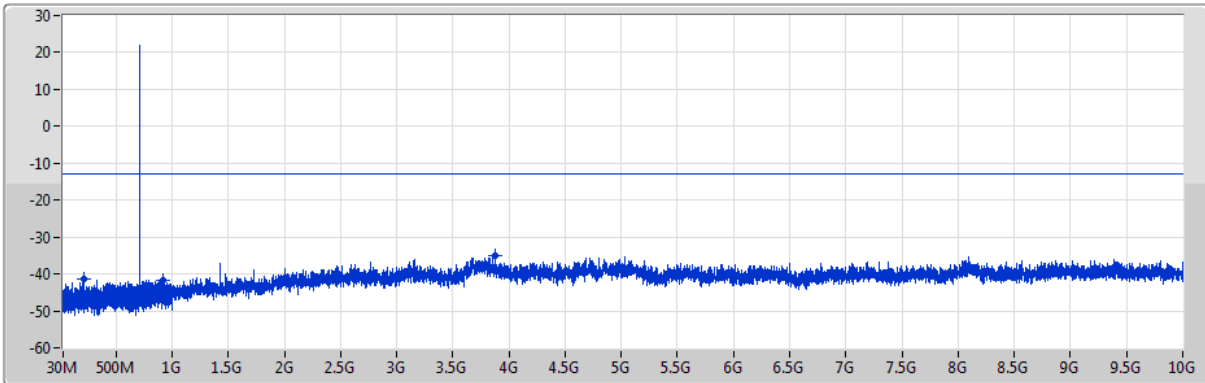
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	262.45M	-42.20	-13.00	-29.20	1	-
816M	1G	1M	3M	Peak	931.18M	-39.91	-13.00	-26.91	1	-
1G	10G	1M	3M	Peak	3.8323G	-34.65	-13.00	-21.65	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz



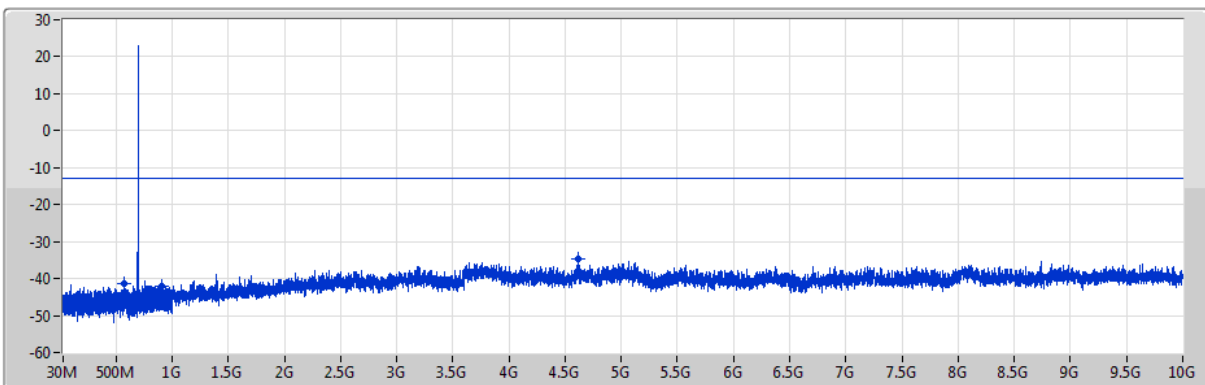
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	211.76M	-41.43	-13.00	-28.43	1	-
816M	1G	1M	3M	Peak	922.17M	-41.63	-13.00	-28.63	1	-
1G	10G	1M	3M	Peak	3.8782G	-34.98	-13.00	-21.98	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz



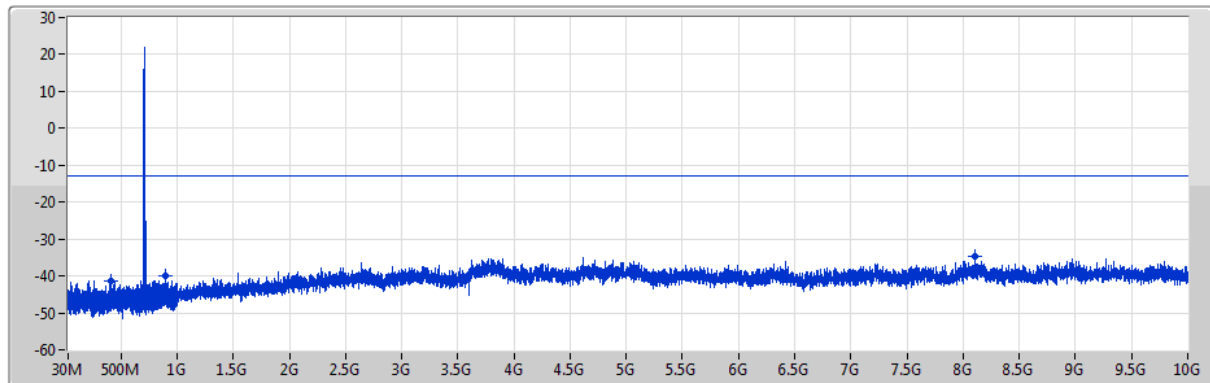
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	576.13M	-41.39	-13.00	-28.39	1	-
816M	1G	1M	3M	Peak	906.8M	-41.96	-13.00	-28.96	1	-
1G	10G	1M	3M	Peak	4.618G	-34.86	-13.00	-21.86	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



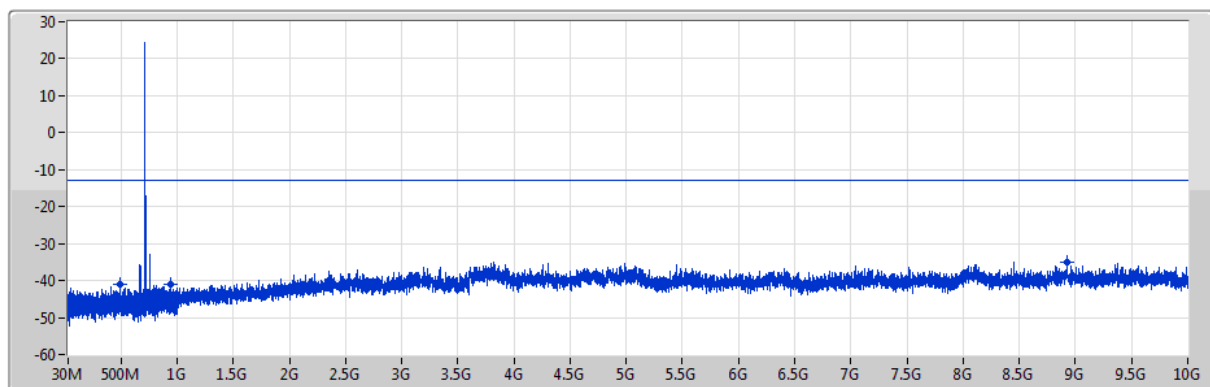
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	409.71M	-41.22	-13.00	-28.22	1	-
816M	1G	1M	3M	Peak	899.35M	-39.92	-13.00	-26.92	1	-
1G	10G	1M	3M	Peak	8.1019G	-34.64	-13.00	-21.64	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz



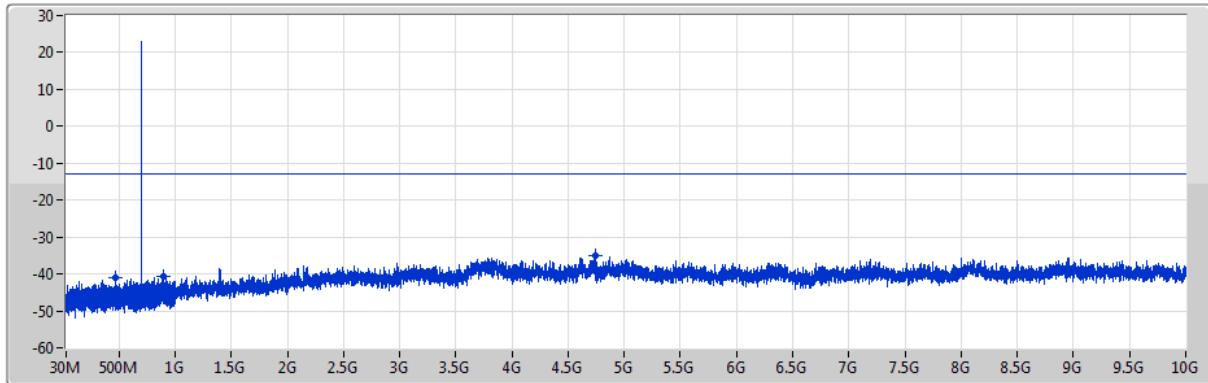
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	496.04M	-40.90	-13.00	-27.90	1	-
816M	1G	1M	3M	Peak	943.24M	-41.12	-13.00	-28.12	1	-
1G	10G	1M	3M	Peak	8.9299G	-35.14	-13.00	-22.14	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz



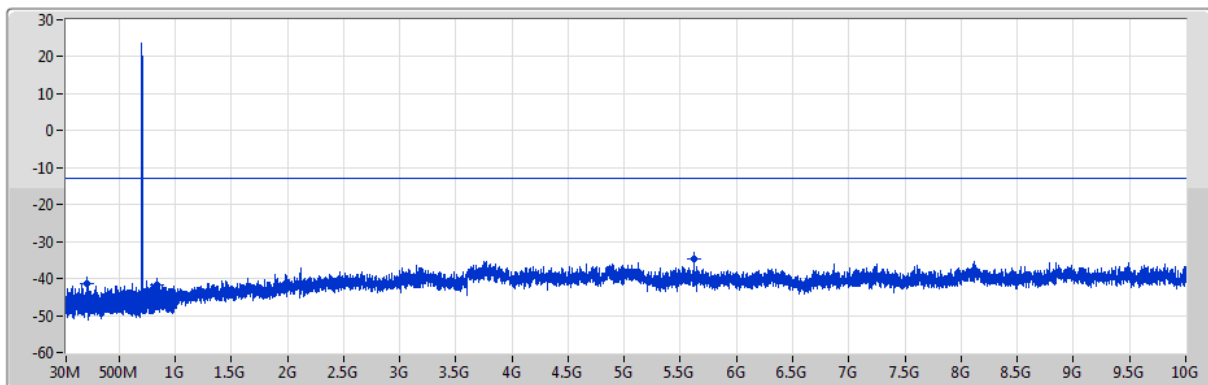
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	467.5M	-41.10	-13.00	-28.10	1	-
816M	1G	1M	3M	Peak	899.17M	-40.82	-13.00	-27.82	1	-
1G	10G	1M	3M	Peak	4.7404G	-35.10	-13.00	-22.10	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



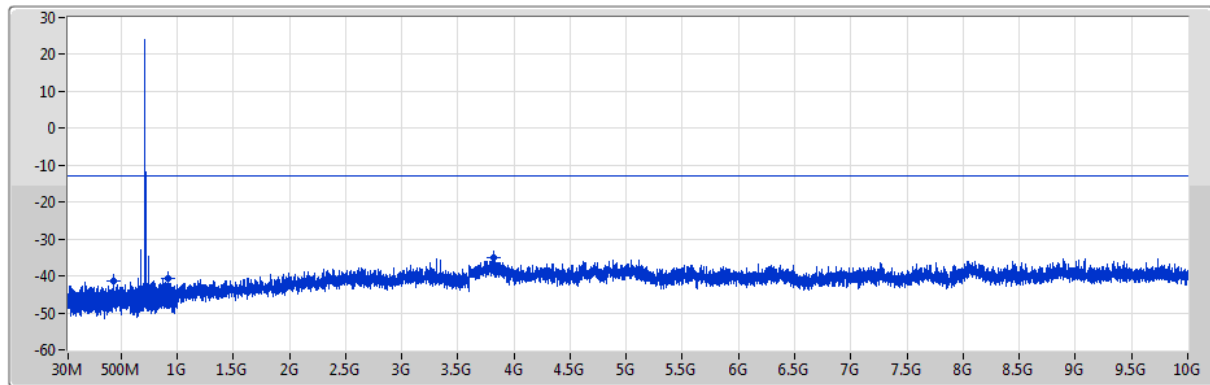
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	214.32M	-41.48	-13.00	-28.48	1	-
816M	1G	1M	3M	Peak	842.4M	-41.76	-13.00	-28.76	1	-
1G	10G	1M	3M	Peak	5.617G	-34.74	-13.00	-21.74	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz



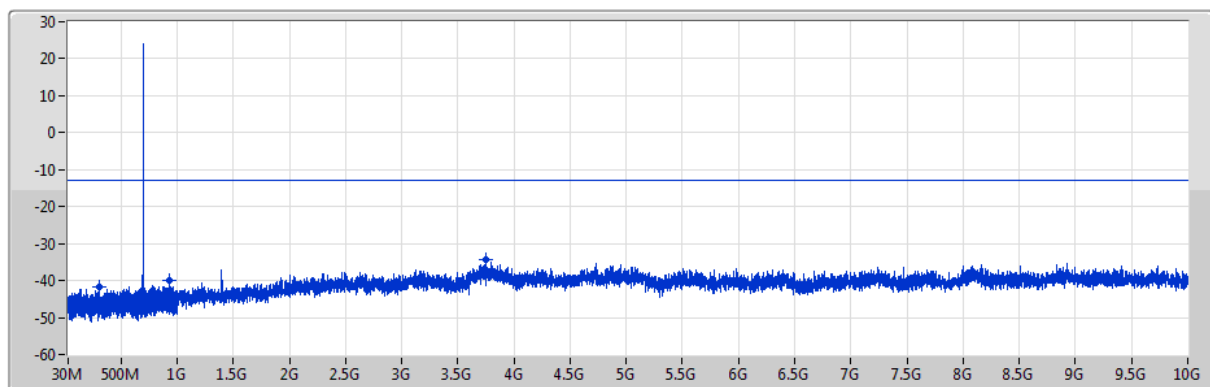
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	433.14M	-41.52	-13.00	-28.52	1	-
816M	1G	1M	3M	Peak	919.78M	-40.78	-13.00	-27.78	1	-
1G	10G	1M	3M	Peak	3.8161G	-35.14	-13.00	-22.14	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz



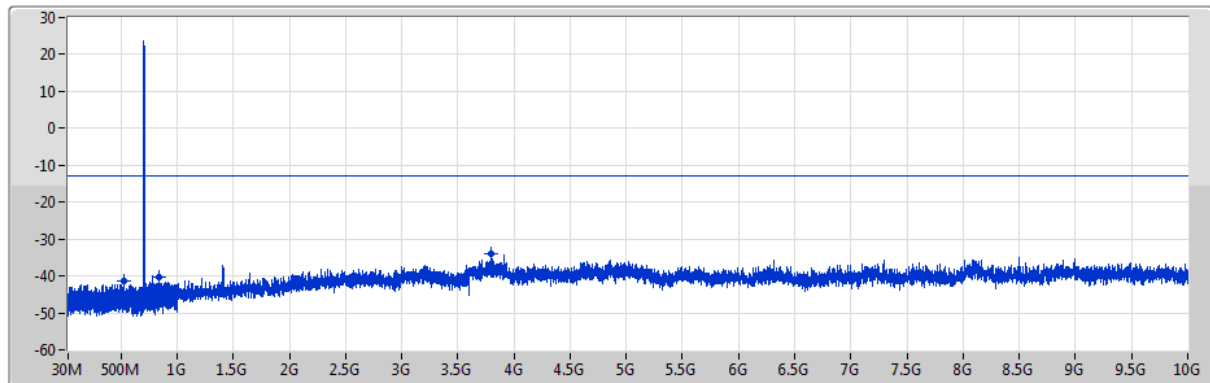
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	301.5M	-41.58	-13.00	-28.58	1	-
816M	1G	1M	3M	Peak	929.62M	-40.09	-13.00	-27.09	1	-
1G	10G	1M	3M	Peak	3.7486G	-34.23	-13.00	-21.23	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



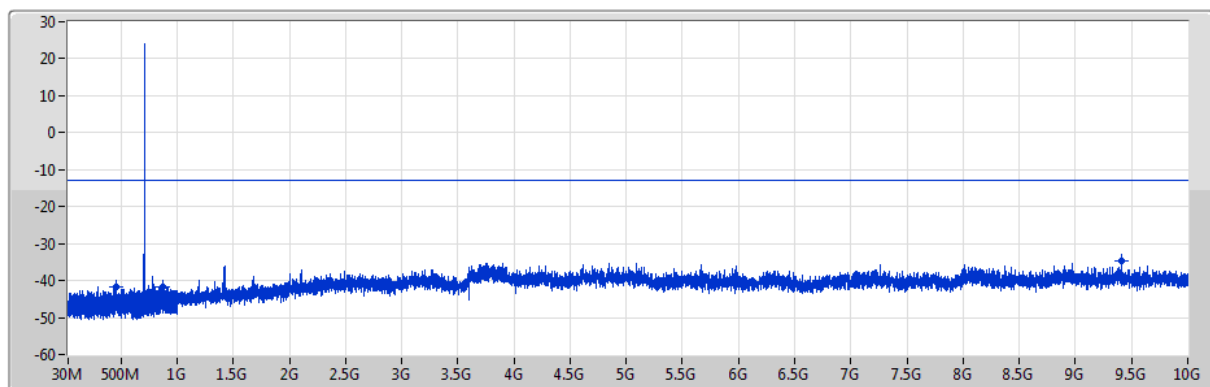
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	525.58M	-41.52	-13.00	-28.52	1	-
816M	1G	1M	3M	Peak	841.85M	-40.41	-13.00	-27.41	1	-
1G	10G	1M	3M	Peak	3.7954G	-33.81	-13.00	-20.81	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz



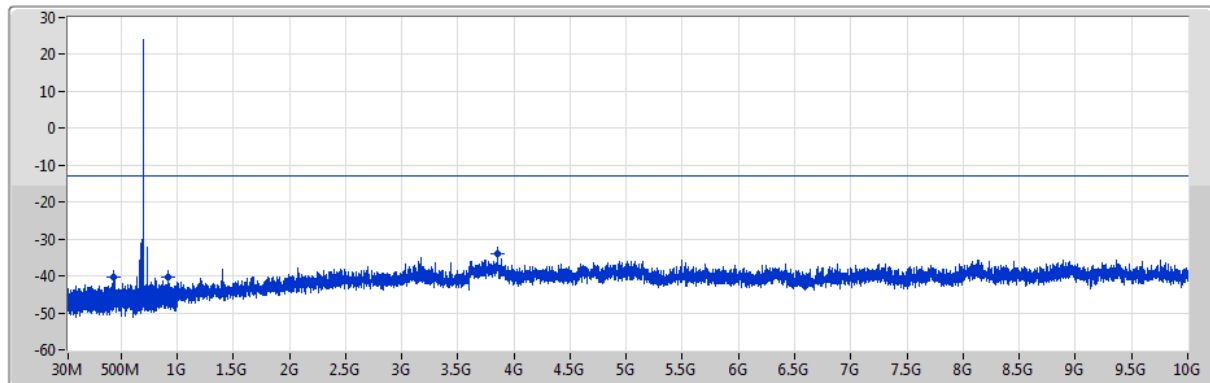
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	457.56M	-41.73	-13.00	-28.73	1	-
816M	1G	1M	3M	Peak	876.35M	-41.67	-13.00	-28.67	1	-
1G	10G	1M	3M	Peak	9.4051G	-34.78	-13.00	-21.78	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz



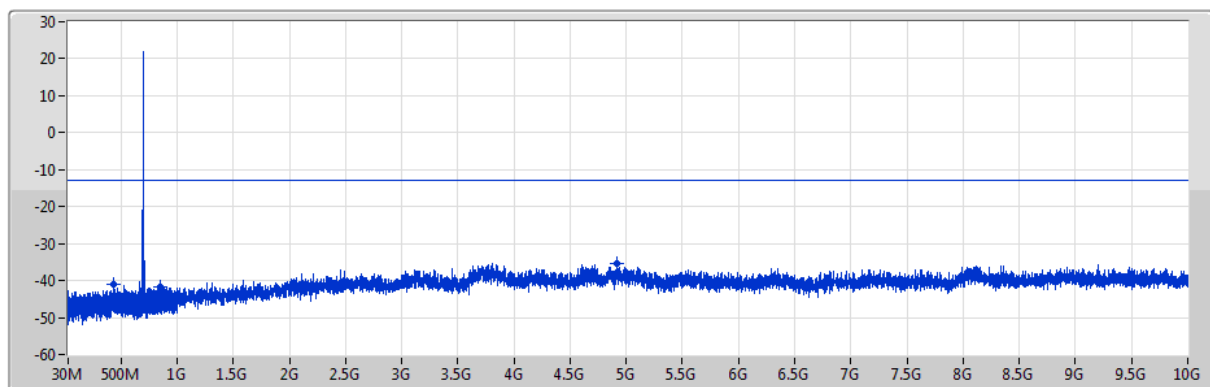
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	430.44M	-40.45	-13.00	-27.45	1	-
816M	1G	1M	3M	Peak	921.8M	-40.31	-13.00	-27.31	1	-
1G	10G	1M	3M	Peak	3.8521G	-34.06	-13.00	-21.06	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



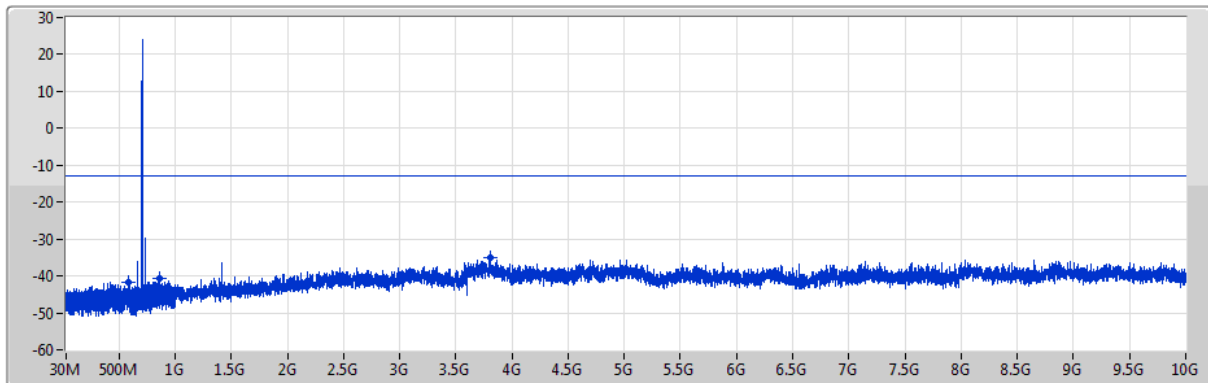
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	433.28M	-40.88	-13.00	-27.88	1	-
816M	1G	1M	3M	Peak	845.44M	-41.64	-13.00	-28.64	1	-
1G	10G	1M	3M	Peak	4.9222G	-35.51	-13.00	-22.51	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz



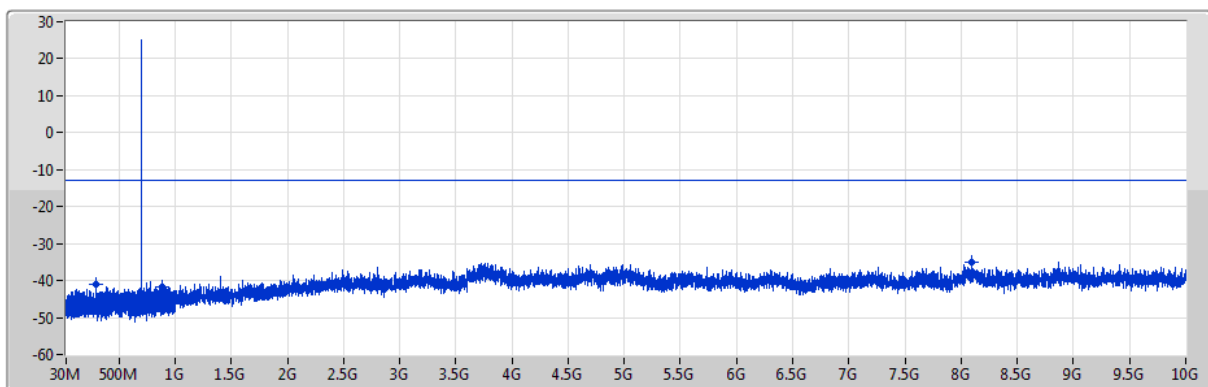
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	585.93M	-41.73	-13.00	-28.73	1	-
816M	1G	1M	3M	Peak	867.24M	-40.67	-13.00	-27.67	1	-
1G	10G	1M	3M	Peak	3.8116G	-35.09	-13.00	-22.09	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz



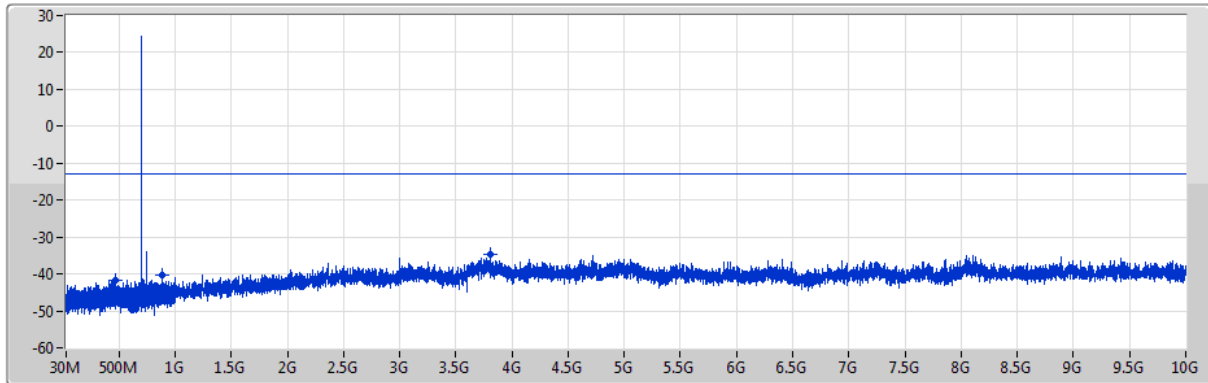
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	301.08M	-41.13	-13.00	-28.13	1	-
816M	1G	1M	3M	Peak	886.84M	-41.63	-13.00	-28.63	1	-
1G	10G	1M	3M	Peak	8.0965G	-35.04	-13.00	-22.04	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



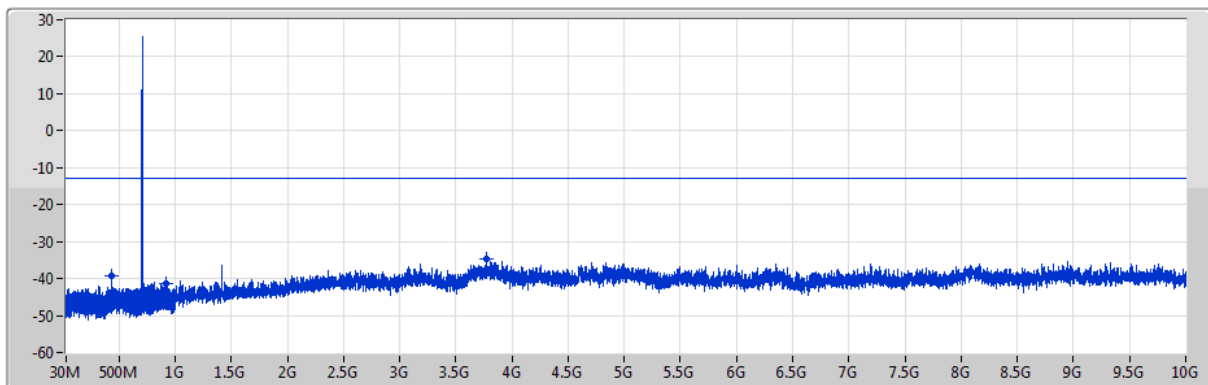
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	473.47M	-41.55	-13.00	-28.55	1	-
816M	1G	1M	3M	Peak	881.78M	-40.17	-13.00	-27.17	1	-
1G	10G	1M	3M	Peak	3.8026G	-34.60	-13.00	-21.60	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz



Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	598M	1M	3M	Peak	438.39M	-39.26	-13.00	-26.26	1	-
816M	1G	1M	3M	Peak	924.74M	-41.20	-13.00	-28.20	1	-
1G	10G	1M	3M	Peak	3.7756G	-34.85	-13.00	-21.85	1	-

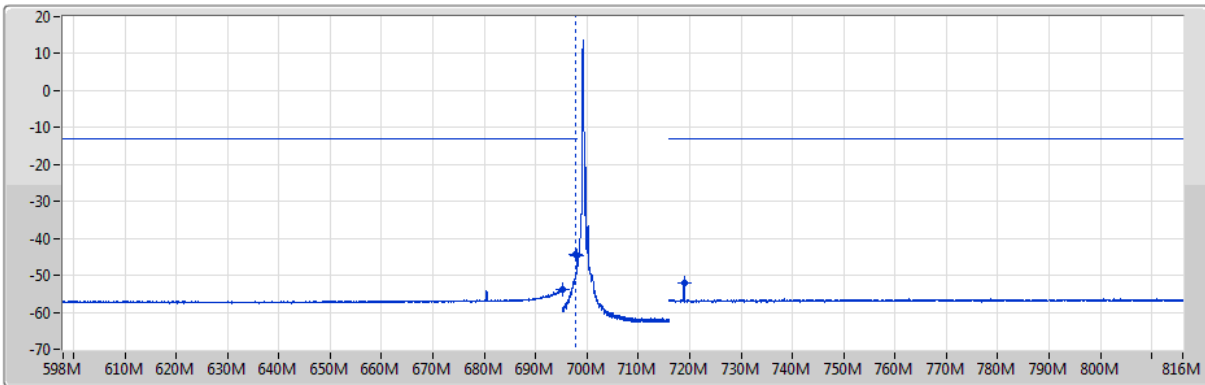
Summary

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 12	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	716M	716.1M	30k	100k	RMS	716M	-24.45	-13.00	-11.45	1	-	-
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	30k	100k	RMS	716M	-25.21	-13.00	-12.21	1	-	-
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	716.1M	722M	30k	100k	RMS	716.15M	-31.34	-13.00	-18.34	1	MBW 100k	-
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	716.1M	722M	30k	100k	RMS	716.15M	-29.91	-13.00	-16.91	1	MBW 100k	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	716.1M	726M	30k	100k	RMS	716.15M	-28.64	-13.00	-15.64	1	MBW 100k	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	716.1M	726M	30k	100k	RMS	716.15M	-29.88	-13.00	-16.88	1	MBW 100k	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	716.1M	736M	30k	100k	RMS	716.15M	-32.68	-13.00	-19.68	1	MBW 100k	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	716.1M	736M	30k	100k	RMS	716.15M	-33.59	-13.00	-20.59	1	MBW 100k	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz_QPSK_RB 1,#RB 0,NB 0



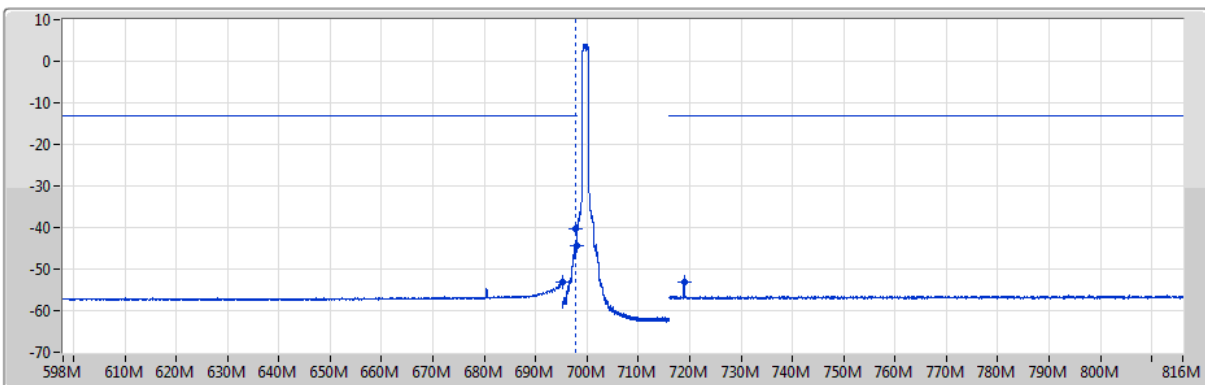
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	695.2M	100k	300k	RMS	695.2M	-53.69	-13.00	-40.69	1	-
695.2M	697.9M	30k	100k	RMS	697.85M	-44.50	-13.00	-31.50	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.99M	-44.79	-13.00	-31.79	1	-
716M	816M	100k	300k	RMS	718.9M	-52.03	-13.00	-39.03	1	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz_QPSK_RB 6,#RB 0,NB 0



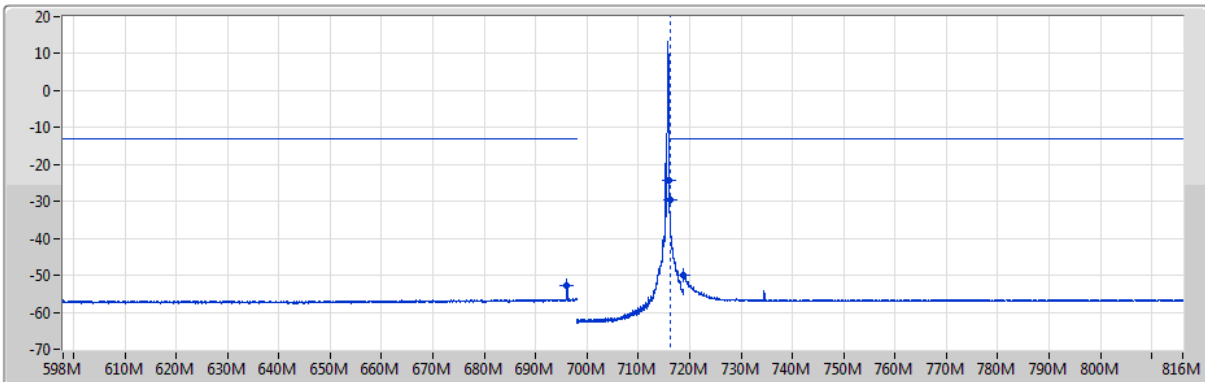
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	695.2M	100k	300k	RMS	695.2M	-52.97	-13.00	-39.97	1	-
695.2M	697.9M	30k	100k	RMS	697.75M	-40.43	-13.00	-27.43	1	MBW 100k
697.9M	698M	30k	100k	RMS	698M	-44.38	-13.00	-31.38	1	-
716M	816M	100k	300k	RMS	718.9M	-53.24	-13.00	-40.24	1	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

715.3MHz_QPSK_RB 1,#RB 5,NB 0



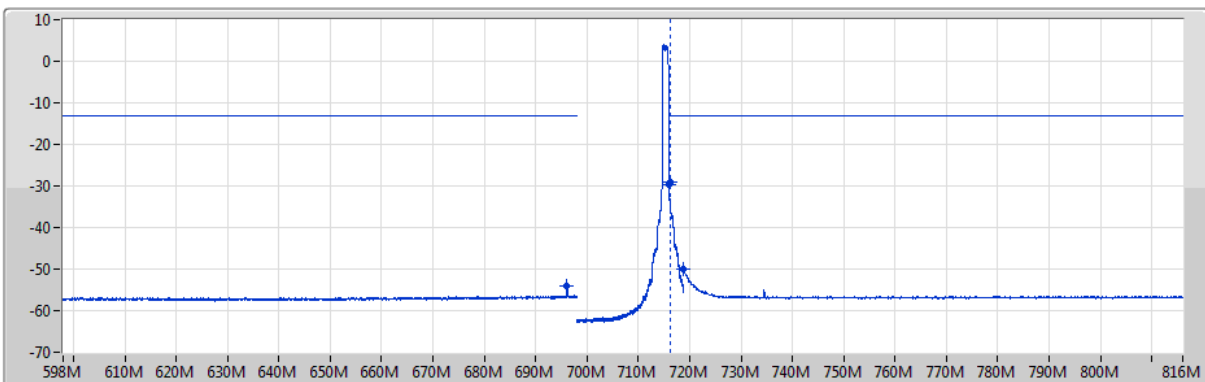
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696.1M	-52.61	-13.00	-39.61	1	-
716M	716.1M	30k	100k	RMS	716M	-24.45	-13.00	-11.45	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-29.43	-13.00	-16.43	1	MBW 100k
718.8M	816M	100k	300k	RMS	718.8M	-49.90	-13.00	-36.90	1	-

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

715.3MHz_QPSK_RB 6,#RB 0,NB 0



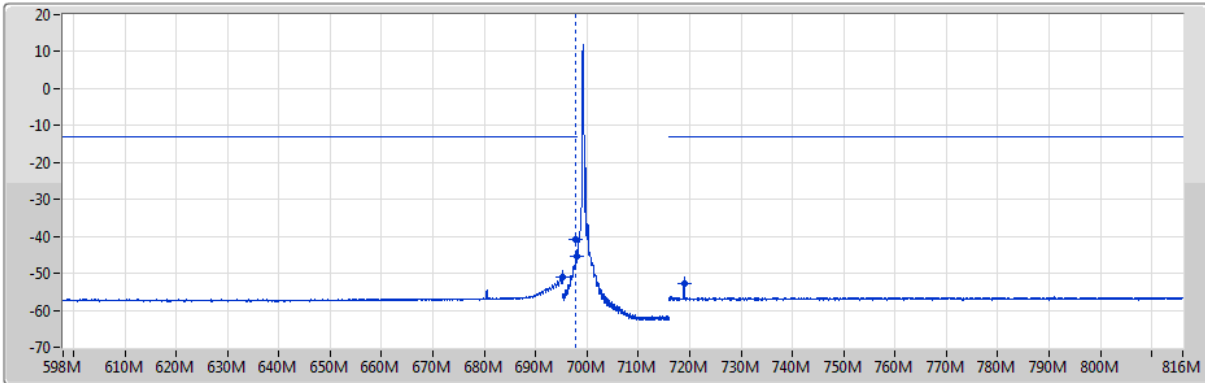
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696.1M	-54.02	-13.00	-41.02	1	-
716M	716.1M	30k	100k	RMS	716M	-29.82	-13.00	-16.82	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-29.14	-13.00	-16.14	1	MBW 100k
718.8M	816M	100k	300k	RMS	718.85M	-49.99	-13.00	-36.99	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz_16QAM_RB 1,#RB 0,NB 0



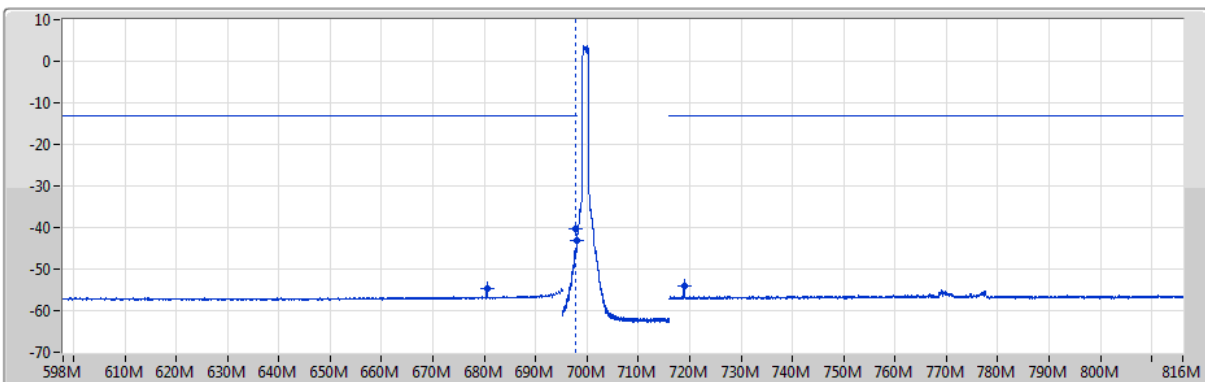
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	695.2M	100k	300k	RMS	695.2M	-51.19	-13.00	-38.19	1	-
695.2M	697.9M	30k	100k	RMS	697.85M	-40.85	-13.00	-27.85	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.96M	-45.23	-13.00	-32.23	1	-
716M	816M	100k	300k	RMS	718.9M	-52.86	-13.00	-39.86	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz_16QAM_RB 6,#RB 0,NB 0



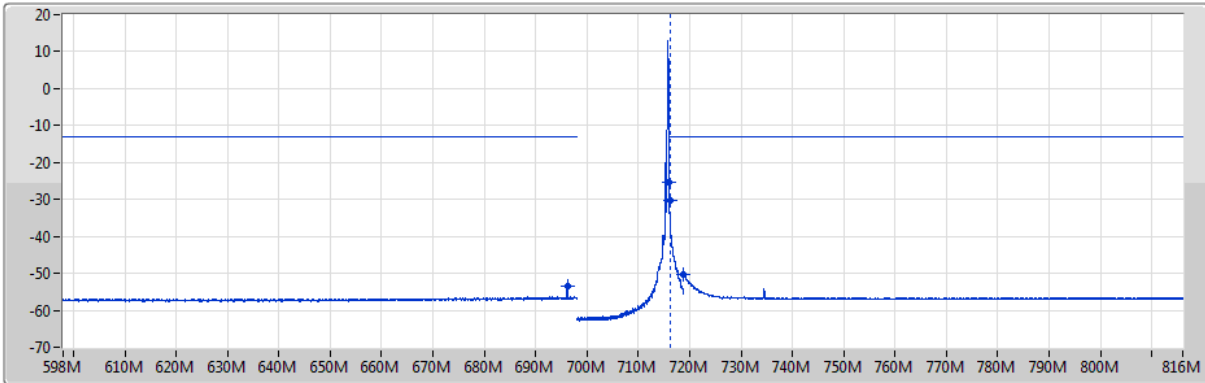
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	695.2M	100k	300k	RMS	680.52M	-54.58	-13.00	-41.58	1	-
695.2M	697.9M	30k	100k	RMS	697.85M	-40.41	-13.00	-27.41	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.96M	-43.08	-13.00	-30.08	1	-
716M	816M	100k	300k	RMS	718.9M	-53.93	-13.00	-40.93	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz_16QAM_RB 1,#RB 5,NB 0



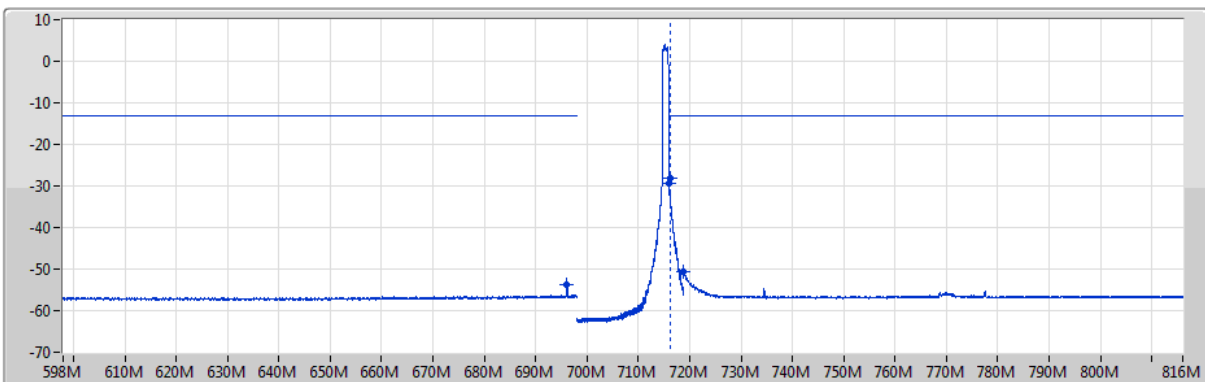
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696.15M	-53.36	-13.00	-40.36	1	-
716M	716.1M	30k	100k	RMS	716M	-25.21	-13.00	-12.21	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-30.32	-13.00	-17.32	1	MBW 100k
718.8M	816M	100k	300k	RMS	718.8M	-50.23	-13.00	-37.23	1	-

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz_16QAM_RB 6,#RB 0,NB 0



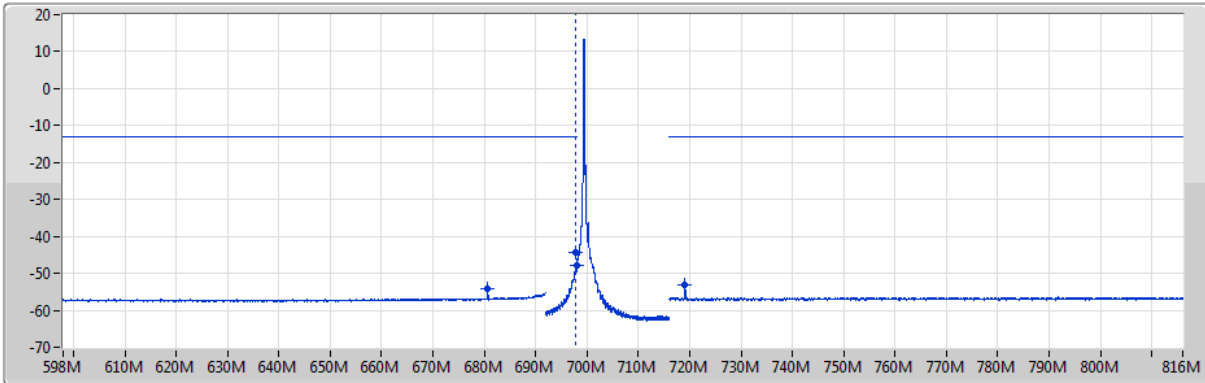
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696.1M	-53.74	-13.00	-40.74	1	-
716M	716.1M	30k	100k	RMS	716M	-29.30	-13.00	-16.30	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-28.28	-13.00	-15.28	1	MBW 100k
718.8M	816M	100k	300k	RMS	718.8M	-50.73	-13.00	-37.73	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 1,#RB 0,NB 0



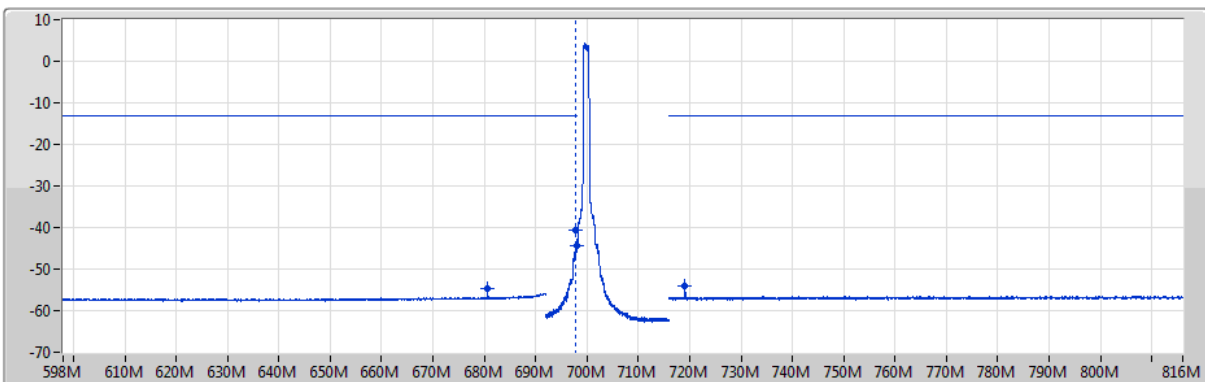
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	692M	100k	300k	RMS	680.67M	-54.10	-13.00	-41.10	1	-
692M	697.9M	30k	100k	RMS	697.85M	-44.32	-13.00	-31.32	1	MBW 100k
697.9M	698M	30k	100k	RMS	698M	-47.71	-13.00	-34.71	1	-
716M	816M	100k	300k	RMS	719.1M	-53.02	-13.00	-40.02	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 6,#RB 0,NB 0



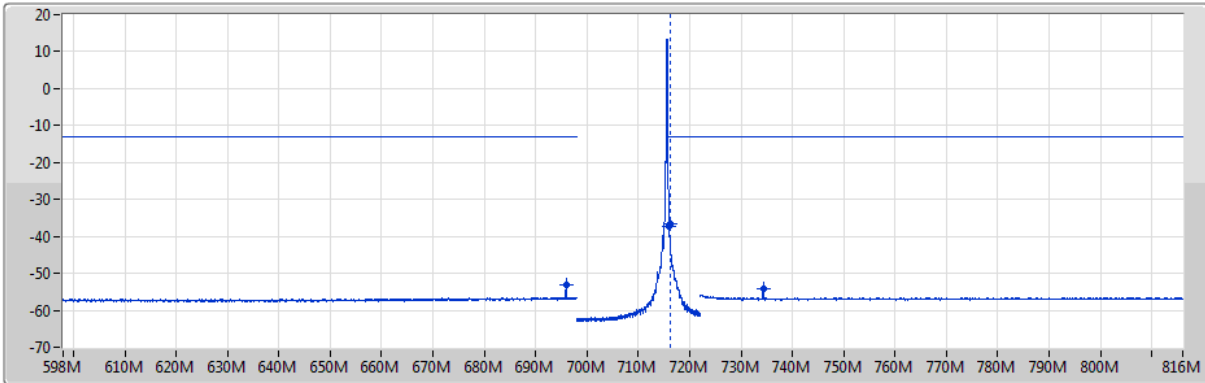
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	692M	100k	300k	RMS	680.67M	-54.74	-13.00	-41.74	1	-
692M	697.9M	30k	100k	RMS	697.85M	-40.68	-13.00	-27.68	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.93M	-44.31	-13.00	-31.31	1	-
716M	816M	100k	300k	RMS	719.05M	-54.06	-13.00	-41.06	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 1,#RB 5,NB 1



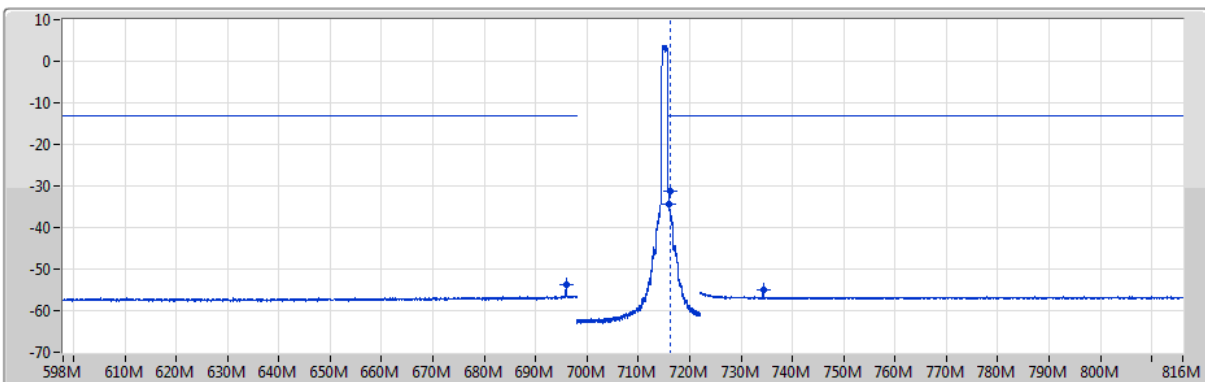
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.95M	-53.19	-13.00	-40.19	1	-
716M	716.1M	30k	100k	RMS	716M	-37.44	-13.00	-24.44	1	-
716.1M	722M	30k	100k	RMS	716.15M	-36.57	-13.00	-23.57	1	MBW 100k
722M	816M	100k	300k	RMS	734.31M	-54.17	-13.00	-41.17	1	-

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 6,#RB 0,NB 1



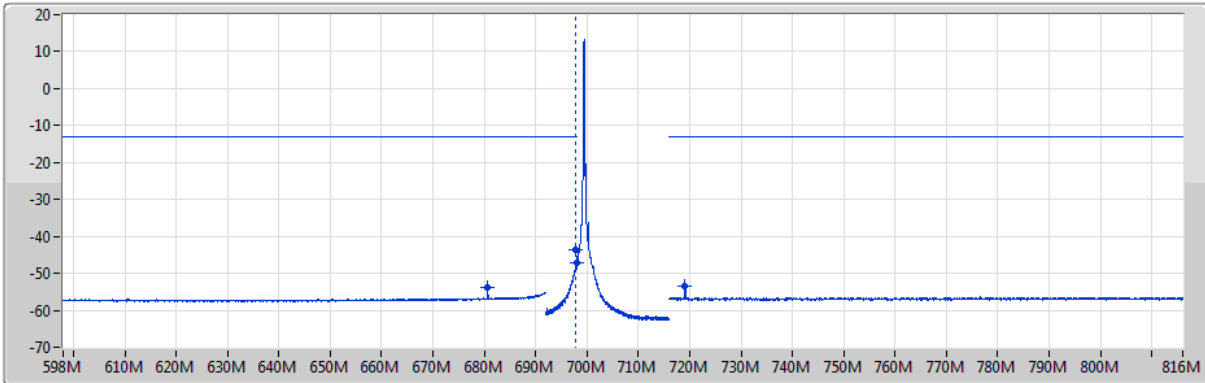
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.95M	-53.81	-13.00	-40.81	1	-
716M	716.1M	30k	100k	RMS	716M	-34.51	-13.00	-21.51	1	-
716.1M	722M	30k	100k	RMS	716.15M	-31.34	-13.00	-18.34	1	MBW 100k
722M	816M	100k	300k	RMS	734.31M	-55.06	-13.00	-42.06	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 1,#RB 0,NB 0



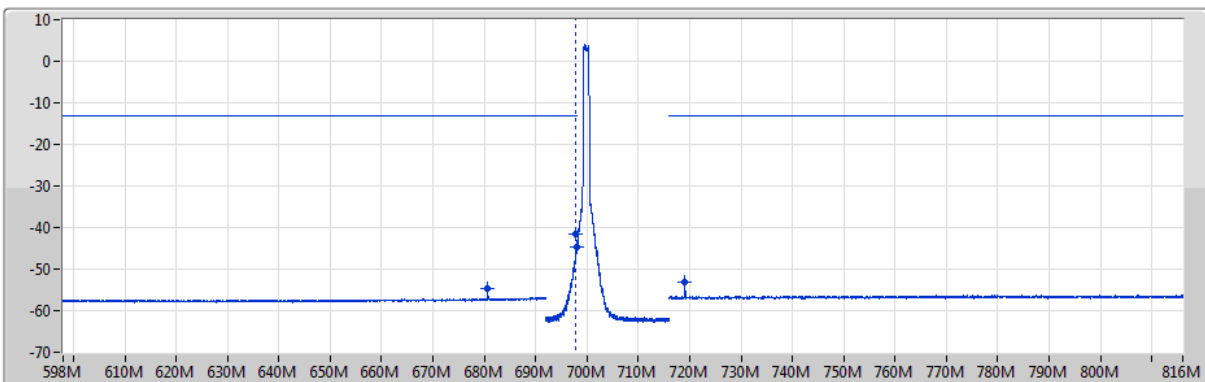
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	692M	100k	300k	RMS	680.67M	-53.90	-13.00	-40.90	1	-
692M	697.9M	30k	100k	RMS	697.85M	-43.46	-13.00	-30.46	1	MBW 100k
697.9M	698M	30k	100k	RMS	698M	-46.98	-13.00	-33.98	1	-
716M	816M	100k	300k	RMS	719.1M	-53.32	-13.00	-40.32	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 6,#RB 0,NB 0



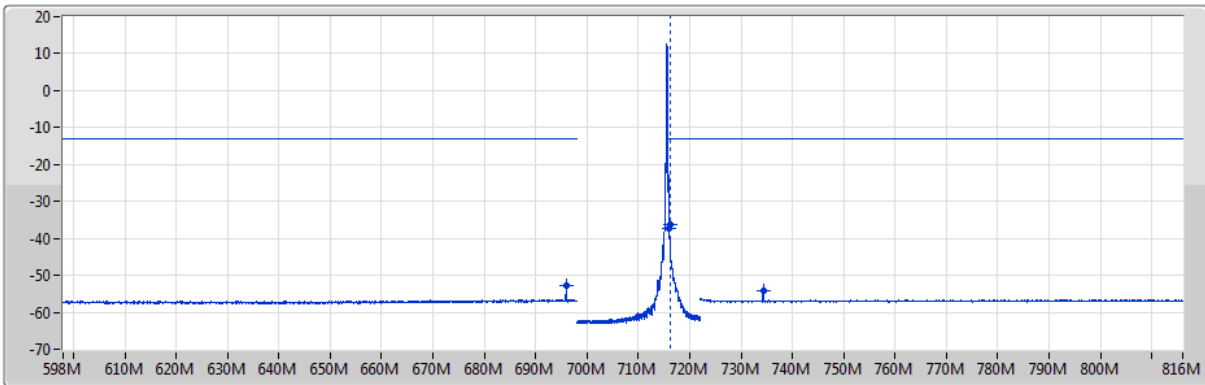
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	692M	100k	300k	RMS	680.67M	-54.68	-13.00	-41.68	1	-
692M	697.9M	30k	100k	RMS	697.85M	-41.45	-13.00	-28.45	1	MBW 100k
697.9M	698M	30k	100k	RMS	698M	-44.79	-13.00	-31.79	1	-
716M	816M	100k	300k	RMS	719.05M	-53.02	-13.00	-40.02	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz_16QAM_RB 1,#RB 5,NB 1



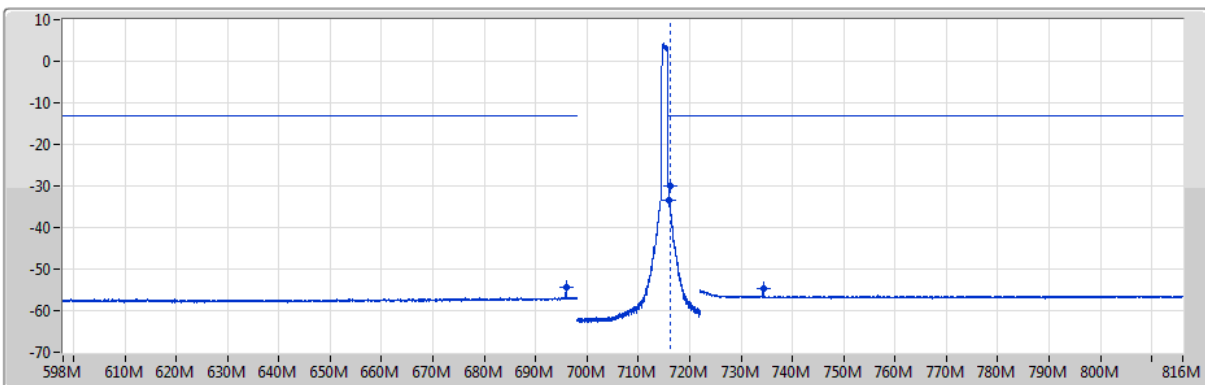
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.95M	-52.88	-13.00	-39.88	1	-
716M	716.1M	30k	100k	RMS	716M	-37.30	-13.00	-24.30	1	-
716.1M	722M	30k	100k	RMS	716.15M	-36.19	-13.00	-23.19	1	MBW 100k
722M	816M	100k	300k	RMS	734.31M	-54.30	-13.00	-41.30	1	-

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz_16QAM_RB 6,#RB 0,NB 1



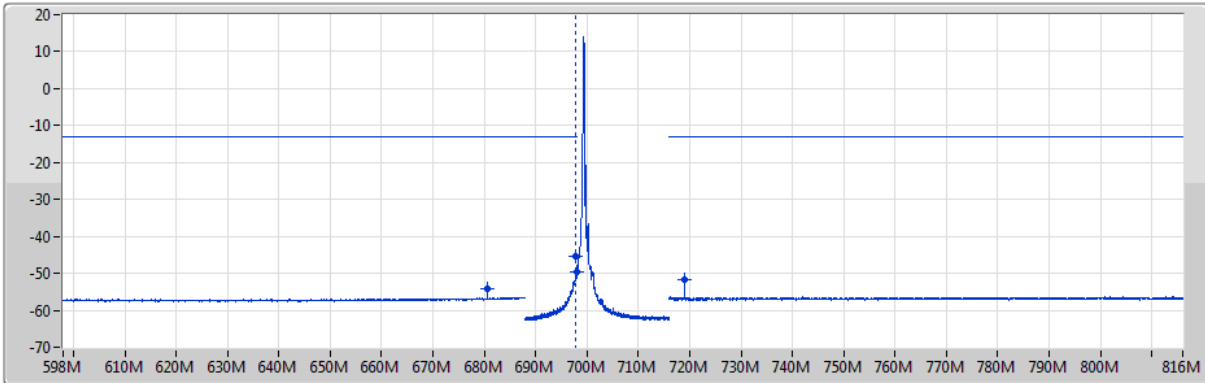
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.95M	-54.30	-13.00	-41.30	1	-
716M	716.1M	30k	100k	RMS	716.08M	-33.41	-13.00	-20.41	1	-
716.1M	722M	30k	100k	RMS	716.15M	-29.91	-13.00	-16.91	1	MBW 100k
722M	816M	100k	300k	RMS	734.31M	-54.74	-13.00	-41.74	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 1,#RB 0,NB 0



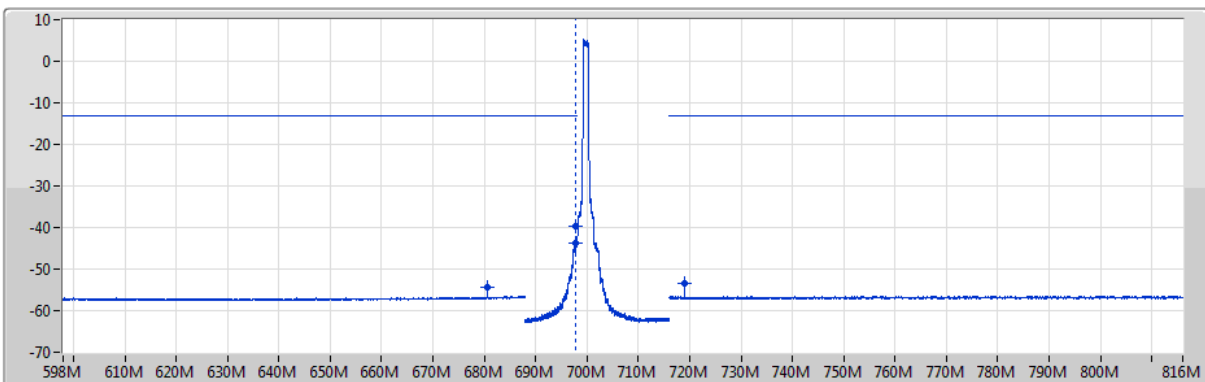
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	688M	100k	300k	RMS	680.62M	-54.19	-13.00	-41.19	1	-
688M	697.9M	30k	100k	RMS	697.85M	-45.43	-13.00	-32.43	1	MBW 100k
697.9M	698M	30k	100k	RMS	698M	-49.71	-13.00	-36.71	1	-
716M	816M	100k	300k	RMS	719M	-51.79	-13.00	-38.79	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 6,#RB 0,NB 0



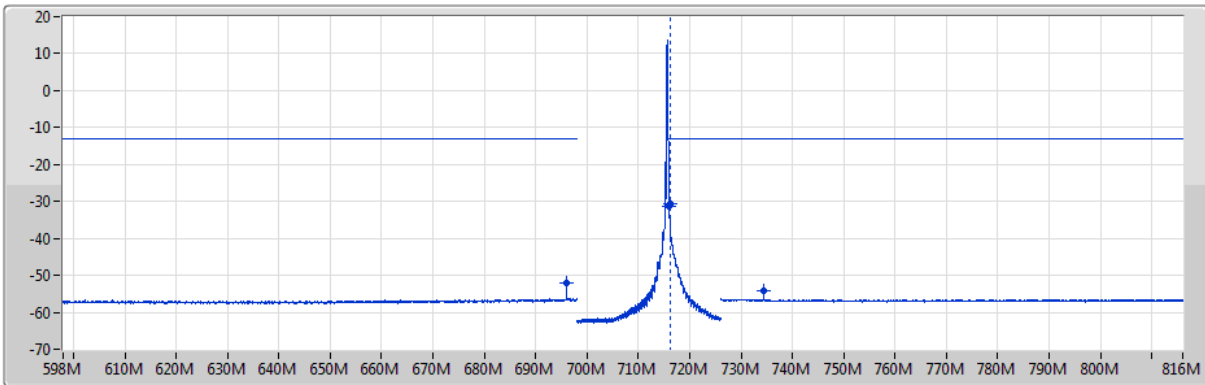
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	688M	100k	300k	RMS	680.58M	-54.22	-13.00	-41.22	1	-
688M	697.9M	30k	100k	RMS	697.85M	-39.56	-13.00	-26.56	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.9M	-43.68	-13.00	-30.68	1	-
716M	816M	100k	300k	RMS	718.95M	-53.46	-13.00	-40.46	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 1,#RB 5,NB 3



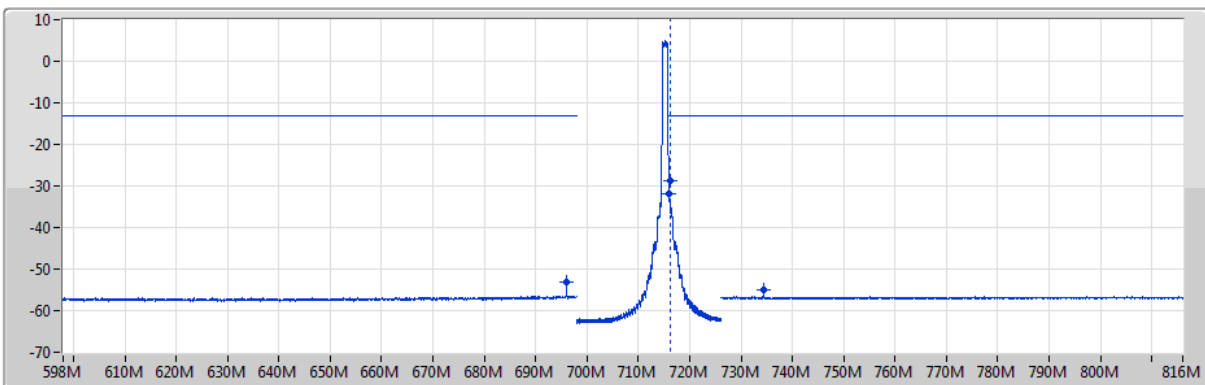
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696M	-52.03	-13.00	-39.03	1	-
716M	716.1M	30k	100k	RMS	716M	-31.49	-13.00	-18.49	1	-
716.1M	726M	30k	100k	RMS	716.15M	-30.68	-13.00	-17.68	1	MBW 100k
726M	816M	100k	300k	RMS	734.42M	-54.17	-13.00	-41.17	1	-

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 6,#RB 0,NB 3



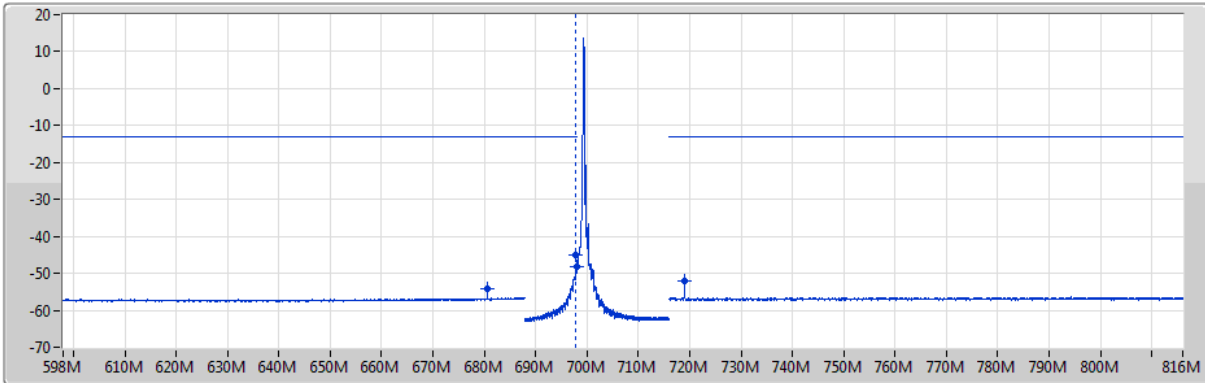
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696M	-52.99	-13.00	-39.99	1	-
716M	716.1M	30k	100k	RMS	716M	-31.89	-13.00	-18.89	1	-
716.1M	726M	30k	100k	RMS	716.15M	-28.64	-13.00	-15.64	1	MBW 100k
726M	816M	100k	300k	RMS	734.42M	-54.98	-13.00	-41.98	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 1,#RB 0,NB 0



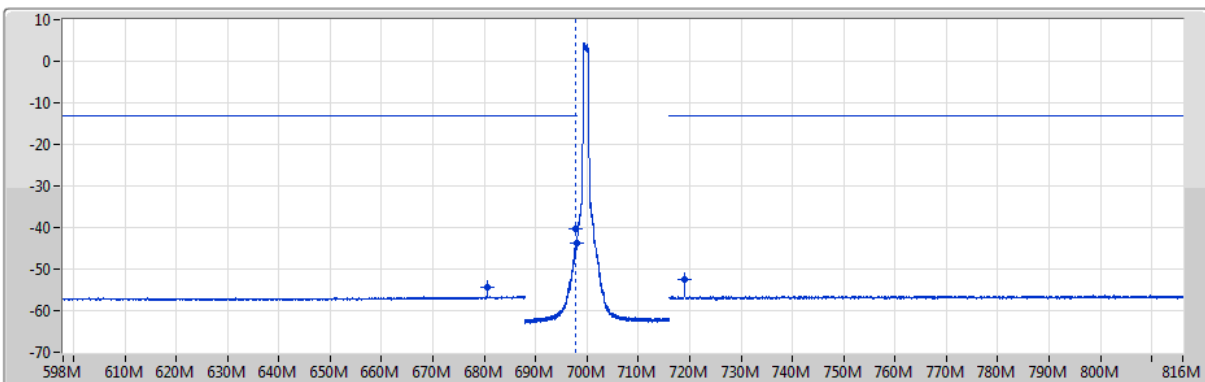
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	688M	100k	300k	RMS	680.62M	-54.06	-13.00	-41.06	1	-
688M	697.9M	30k	100k	RMS	697.85M	-44.93	-13.00	-31.93	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.98M	-48.27	-13.00	-35.27	1	-
716M	816M	100k	300k	RMS	719M	-51.96	-13.00	-38.96	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 6,#RB 0,NB 0



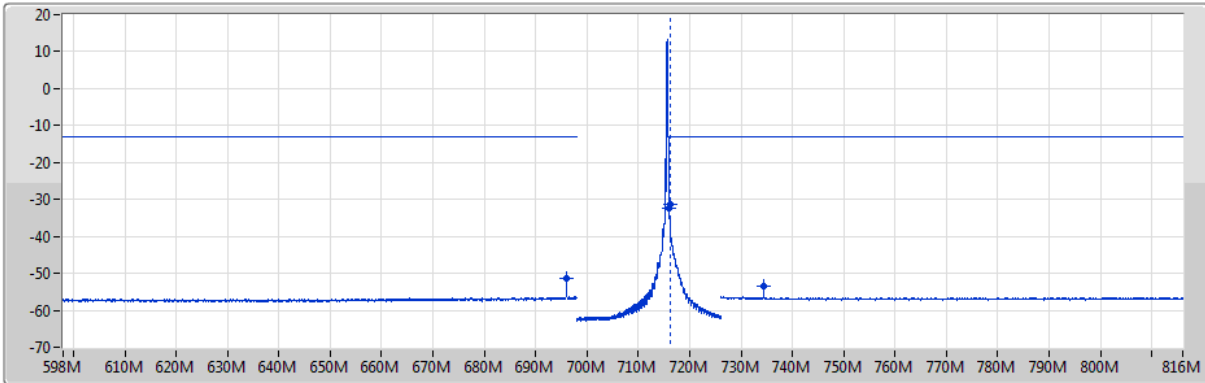
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	688M	100k	300k	RMS	680.58M	-54.25	-13.00	-41.25	1	-
688M	697.9M	30k	100k	RMS	697.85M	-40.22	-13.00	-27.22	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.98M	-43.79	-13.00	-30.79	1	-
716M	816M	100k	300k	RMS	719M	-52.57	-13.00	-39.57	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz_16QAM_RB 1,#RB 5,NB 3



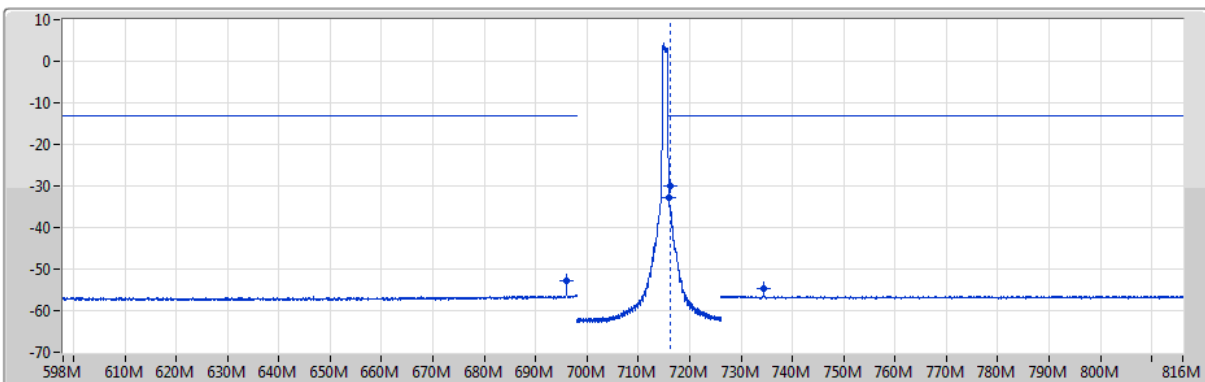
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696M	-51.42	-13.00	-38.42	1	-
716M	716.1M	30k	100k	RMS	716M	-32.28	-13.00	-19.28	1	-
716.1M	726M	30k	100k	RMS	716.15M	-31.50	-13.00	-18.50	1	MBW 100k
726M	816M	100k	300k	RMS	734.42M	-53.63	-13.00	-40.63	1	-

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz_16QAM_RB 6,#RB 0,NB 3



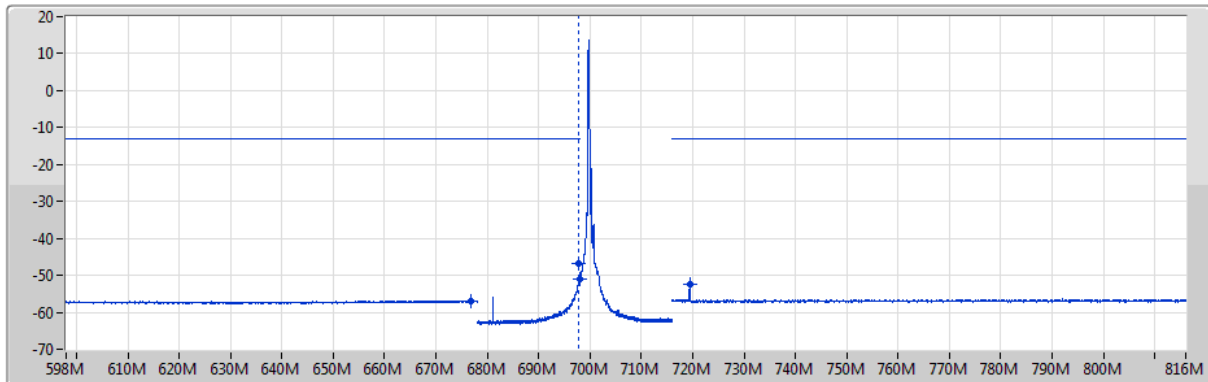
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	696M	-52.72	-13.00	-39.72	1	-
716M	716.1M	30k	100k	RMS	716M	-32.95	-13.00	-19.95	1	-
716.1M	726M	30k	100k	RMS	716.15M	-29.88	-13.00	-16.88	1	MBW 100k
726M	816M	100k	300k	RMS	734.42M	-54.59	-13.00	-41.59	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz_QPSK_RB 1,#RB 0,NB 0



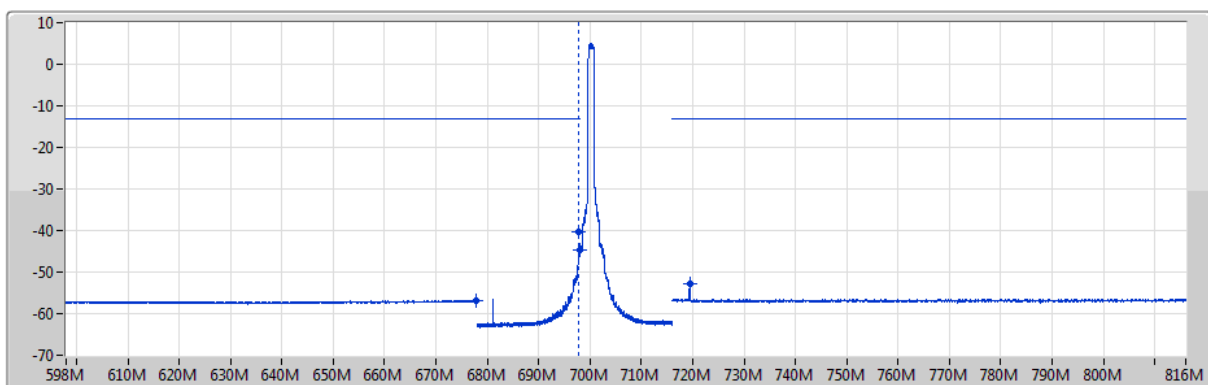
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	678M	100k	300k	RMS	676.88M	-56.88	-13.00	-43.88	1	-
678M	697.9M	30k	100k	RMS	697.85M	-46.90	-13.00	-33.90	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.99M	-51.15	-13.00	-38.15	1	-
716M	816M	100k	300k	RMS	719.45M	-52.46	-13.00	-39.46	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz_QPSK_RB 6,#RB 0,NB 0



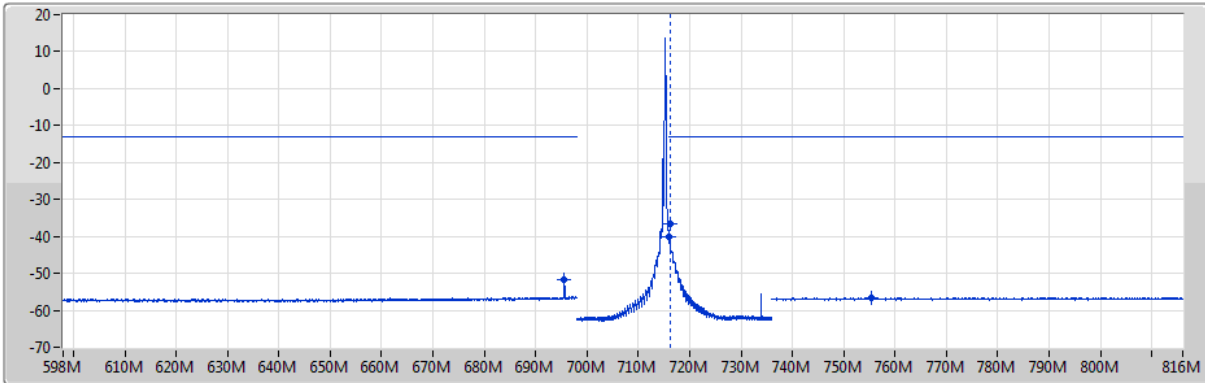
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	678M	100k	300k	RMS	677.76M	-56.81	-13.00	-43.81	1	-
678M	697.9M	30k	100k	RMS	697.85M	-40.31	-13.00	-27.31	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.98M	-44.70	-13.00	-31.70	1	-
716M	816M	100k	300k	RMS	719.4M	-52.72	-13.00	-39.72	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 1,#RB 5,NB 7



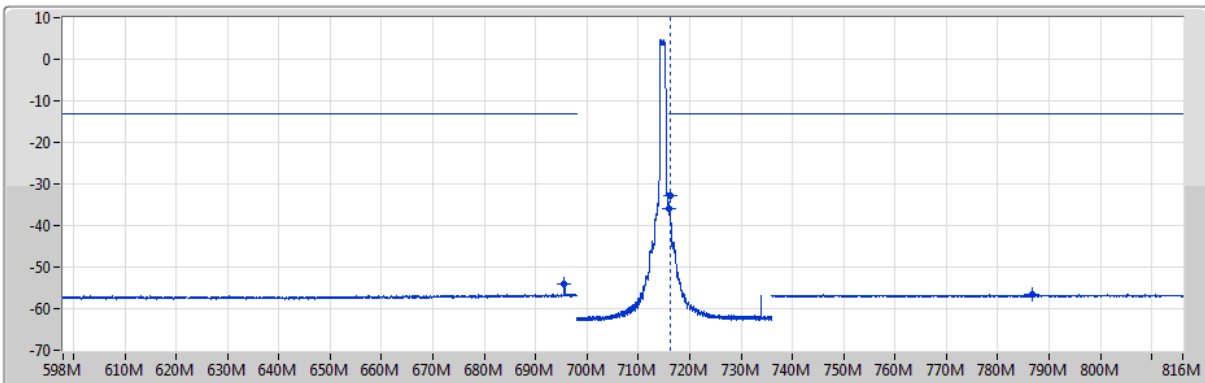
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.6M	-51.72	-13.00	-38.72	1	-
716M	716.1M	30k	100k	RMS	716M	-39.98	-13.00	-26.98	1	-
716.1M	736M	30k	100k	RMS	716.15M	-36.53	-13.00	-23.53	1	MBW 100k
736M	816M	100k	300k	RMS	755.44M	-56.63	-13.00	-43.63	1	-

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 6,#RB 0,NB 7



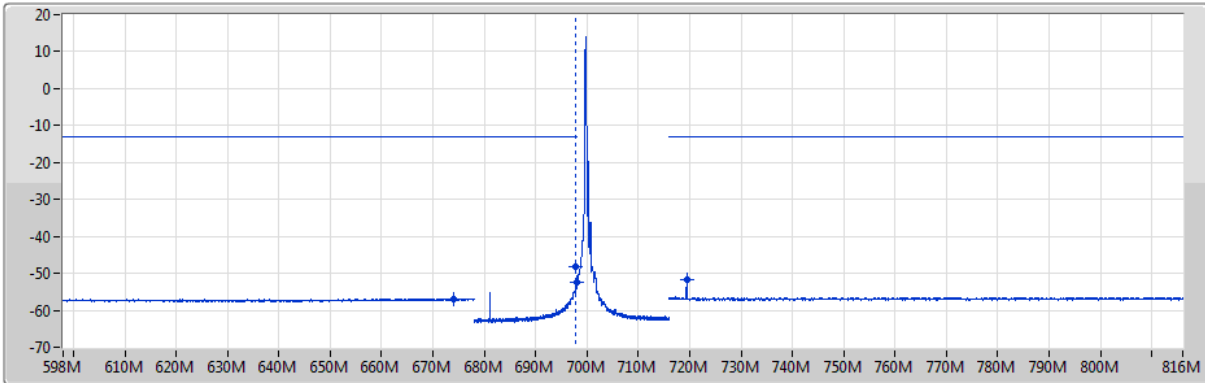
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.6M	-53.91	-13.00	-40.91	1	-
716M	716.1M	30k	100k	RMS	716M	-36.05	-13.00	-23.05	1	-
716.1M	736M	30k	100k	RMS	716.15M	-32.68	-13.00	-19.68	1	MBW 100k
736M	816M	100k	300k	RMS	786.6M	-56.63	-13.00	-43.63	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz_16QAM_RB 1,#RB 0,NB 0

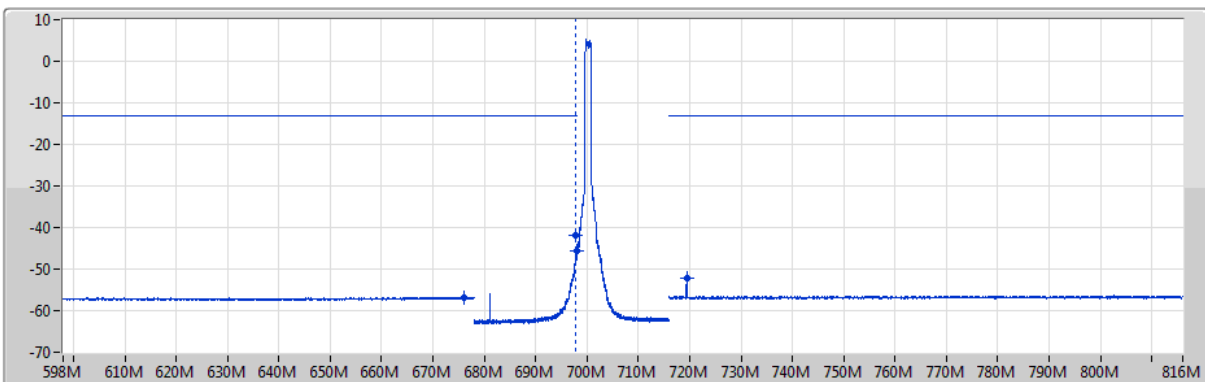


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	678M	100k	300k	RMS	674M	-56.90	-13.00	-43.90	1	-
678M	697.9M	30k	100k	RMS	697.85M	-48.12	-13.00	-35.12	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.92M	-52.33	-13.00	-39.33	1	-
716M	816M	100k	300k	RMS	719.4M	-51.67	-13.00	-38.67	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz_16QAM_RB 6,#RB 0,NB 0

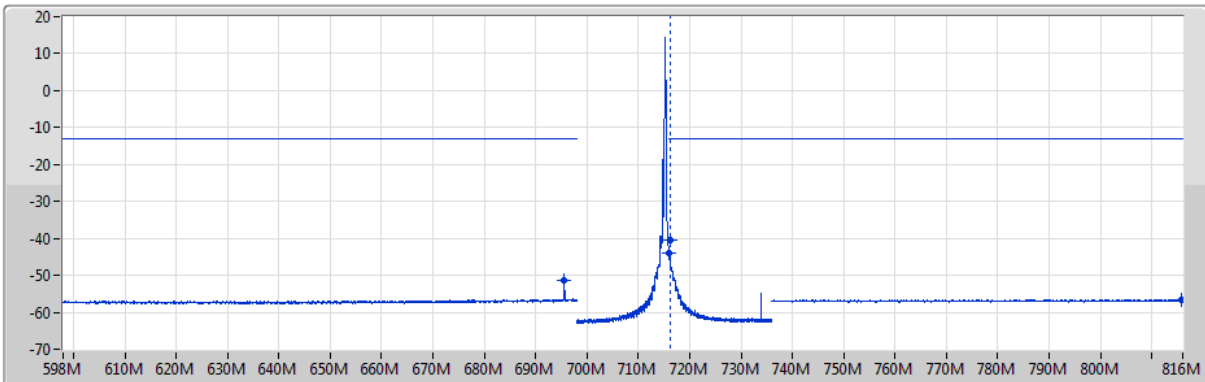


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	678M	100k	300k	RMS	676M	-56.77	-13.00	-43.77	1	-
678M	697.9M	30k	100k	RMS	697.85M	-41.87	-13.00	-28.87	1	MBW 100k
697.9M	698M	30k	100k	RMS	697.98M	-45.67	-13.00	-32.67	1	-
716M	816M	100k	300k	RMS	719.4M	-52.20	-13.00	-39.20	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 1,#RB 5,NB 7



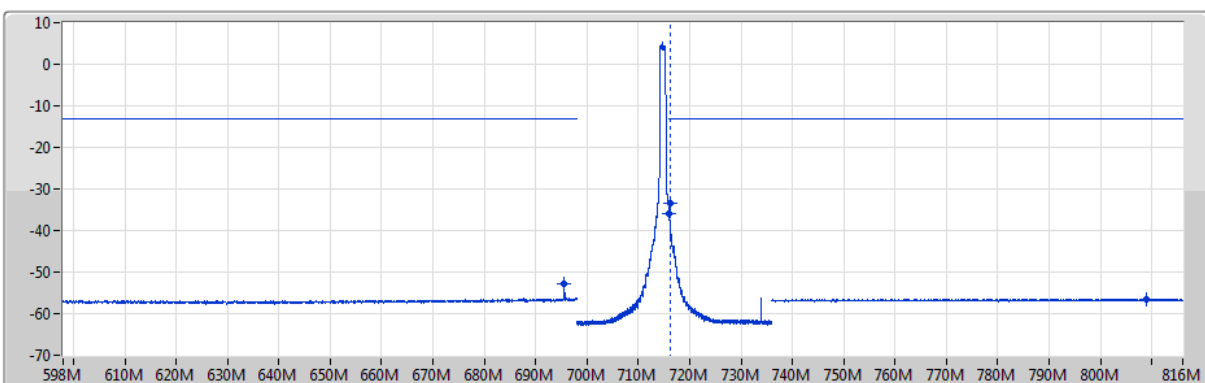
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.55M	-51.38	-13.00	-38.38	1	-
716M	716.1M	30k	100k	RMS	716M	-43.84	-13.00	-30.84	1	-
716.1M	736M	30k	100k	RMS	716.15M	-40.64	-13.00	-27.64	1	MBW 100k
736M	816M	100k	300k	RMS	815.84M	-56.56	-13.00	-43.56	1	-

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 6,#RB 0,NB 7



Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
598M	698M	100k	300k	RMS	695.6M	-52.79	-13.00	-39.79	1	-
716M	716.1M	30k	100k	RMS	716M	-35.91	-13.00	-22.91	1	-
716.1M	736M	30k	100k	RMS	716.15M	-33.59	-13.00	-20.59	1	MBW 100k
736M	816M	100k	300k	RMS	808.92M	-56.43	-13.00	-43.43	1	-

Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 12	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	1.253M	1.082M	1M08G7D	1.251M	1.079M
LTE-M1_1.4MHz_Nss1,16QAM_1TX	1.229M	1.081M	1M08W7D	1.208M	1.076M
LTE-M1_3MHz_Nss1,QPSK_1TX	1.241M	1.08M	1M08G7D	1.223M	1.078M
LTE-M1_3MHz_Nss1,16QAM_1TX	1.241M	1.081M	1M08W7D	1.226M	1.08M
LTE-M1_5MHz_Nss1,QPSK_1TX	1.269M	1.086M	1M09G7D	1.238M	1.083M
LTE-M1_5MHz_Nss1,16QAM_1TX	1.263M	1.092M	1M09W7D	1.256M	1.082M
LTE-M1_10MHz_Nss1,QPSK_1TX	1.25M	1.09M	1M09G7D	1.225M	1.085M
LTE-M1_10MHz_Nss1,16QAM_1TX	1.263M	1.098M	1M10W7D	1.263M	1.087M

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

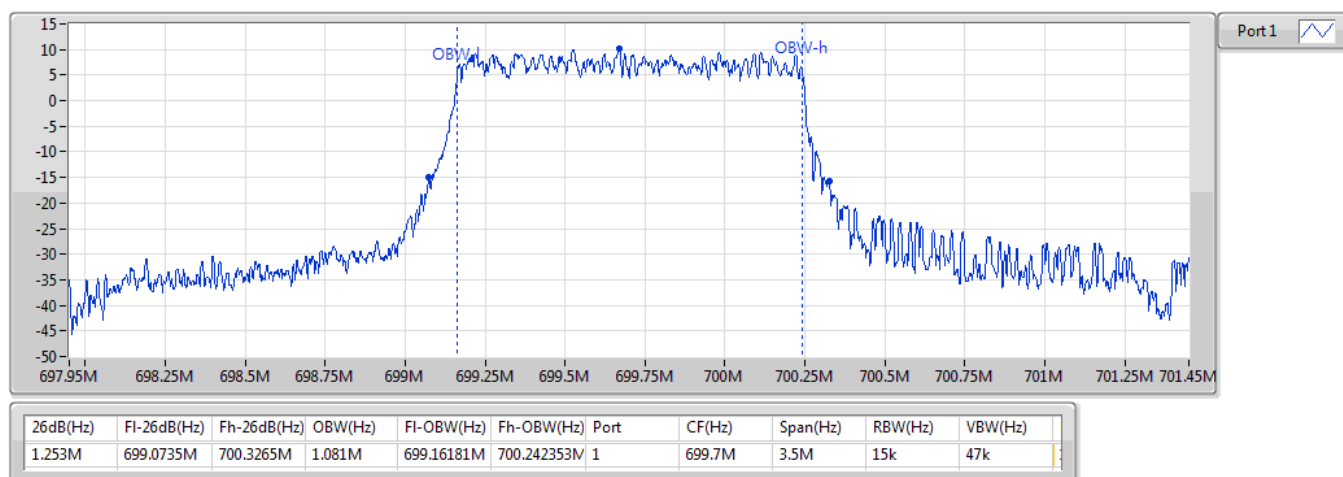
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 12_LTE-M1_1.4MHz_Nss1_1TX	-	-	-	-
699.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.253M	1.081M
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.251M	1.082M
715.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.251M	1.079M
699.7MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.208M	1.081M
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.229M	1.076M
715.3MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.213M	1.078M
Band 12_LTE-M1_3MHz_Nss1_1TX	-	-	-	-
700.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.241M	1.078M
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.234M	1.08M
714.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	Inf	1.223M	1.078M
700.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.241M	1.08M
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.226M	1.08M
714.5MHz_16QAM_RB 6,#RB 0,NB 1	Pass	Inf	1.23M	1.081M
Band 12_LTE-M1_5MHz_Nss1_1TX	-	-	-	-
701.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.269M	1.085M
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.238M	1.083M
713.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	Inf	1.256M	1.086M
701.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.256M	1.092M
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.263M	1.091M
713.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	Inf	1.256M	1.082M
Band 12_LTE-M1_10MHz_Nss1_1TX	-	-	-	-
704MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.225M	1.085M
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.238M	1.09M
711MHz_QPSK_RB 6,#RB 0,NB 7	Pass	Inf	1.25M	1.086M
704MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.263M	1.098M
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.263M	1.096M
711MHz_16QAM_RB 6,#RB 0,NB 7	Pass	Inf	1.263M	1.087M

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

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

EBW

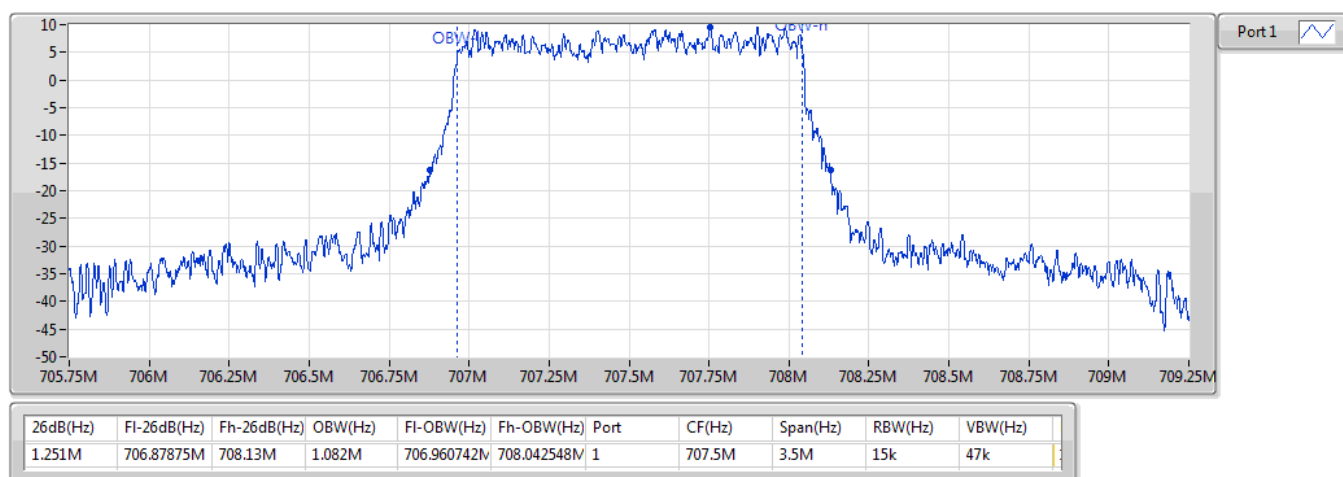
699.7MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

EBW

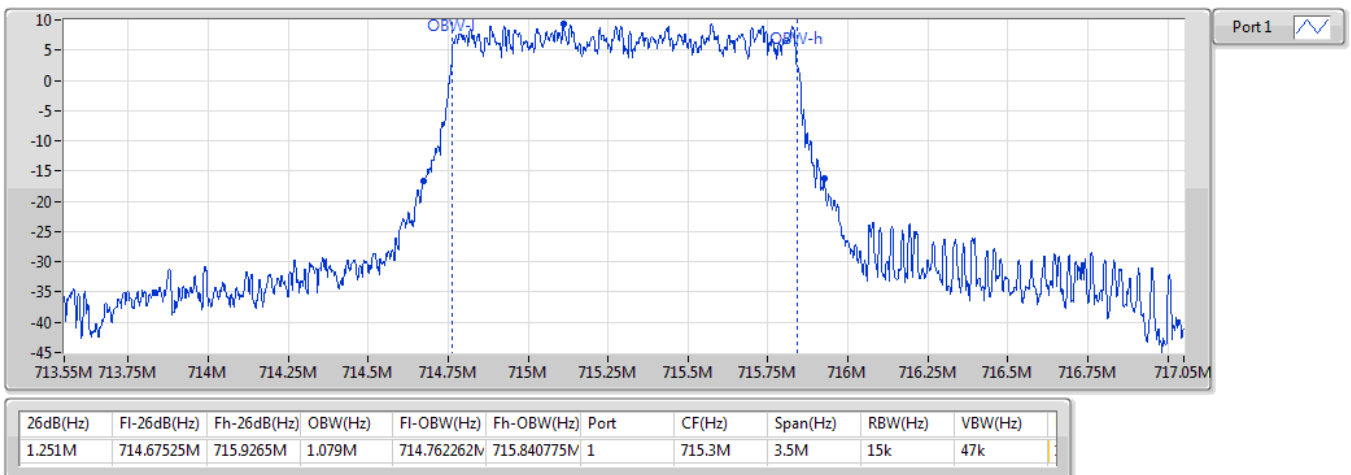
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

EBW

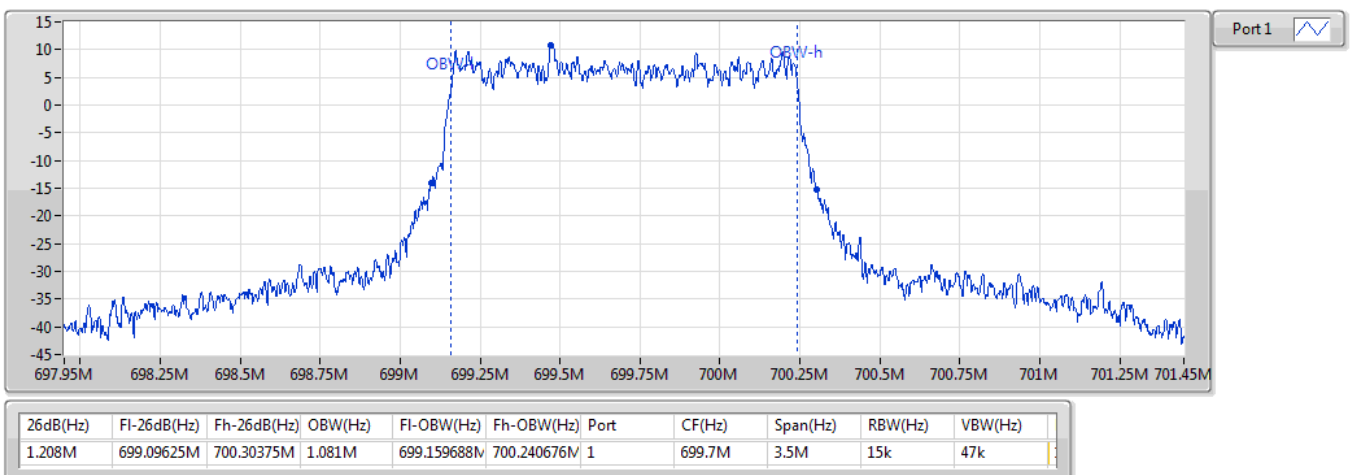
715.3MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

EBW

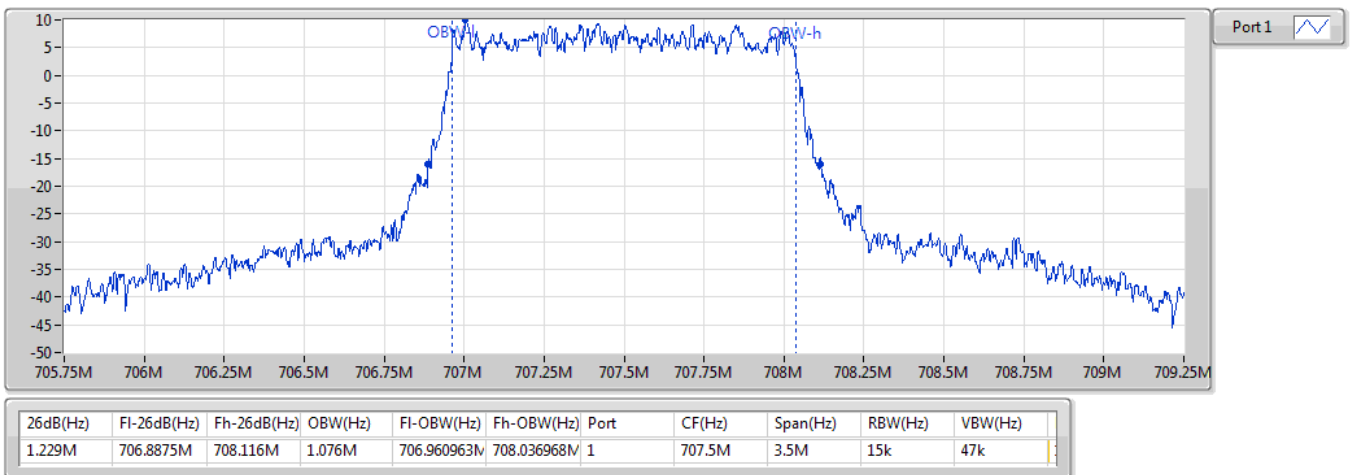
699.7MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

EBW

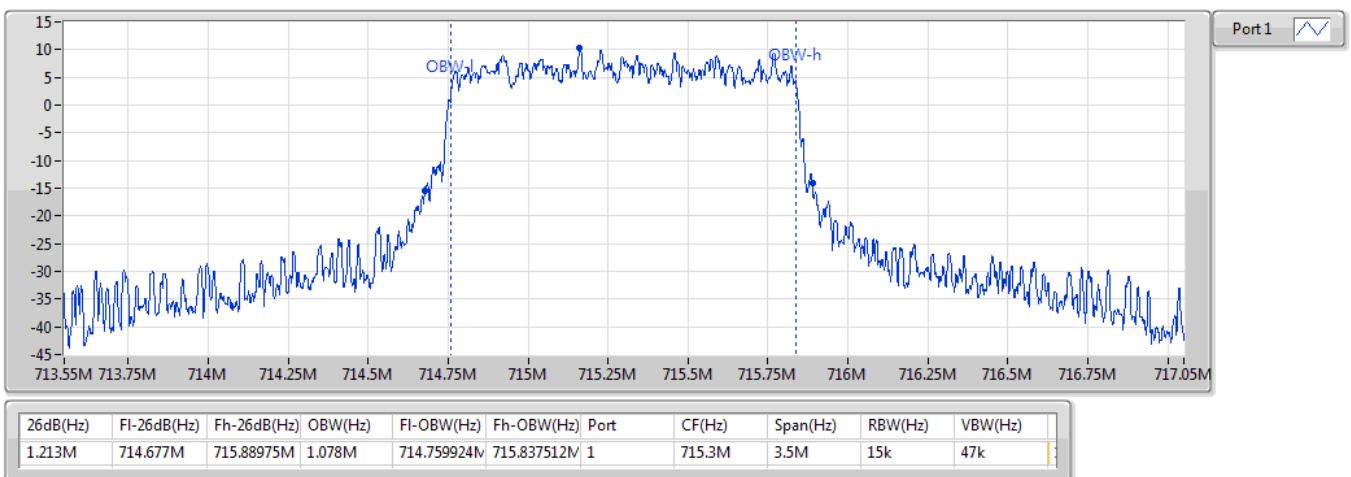
707.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

EBW

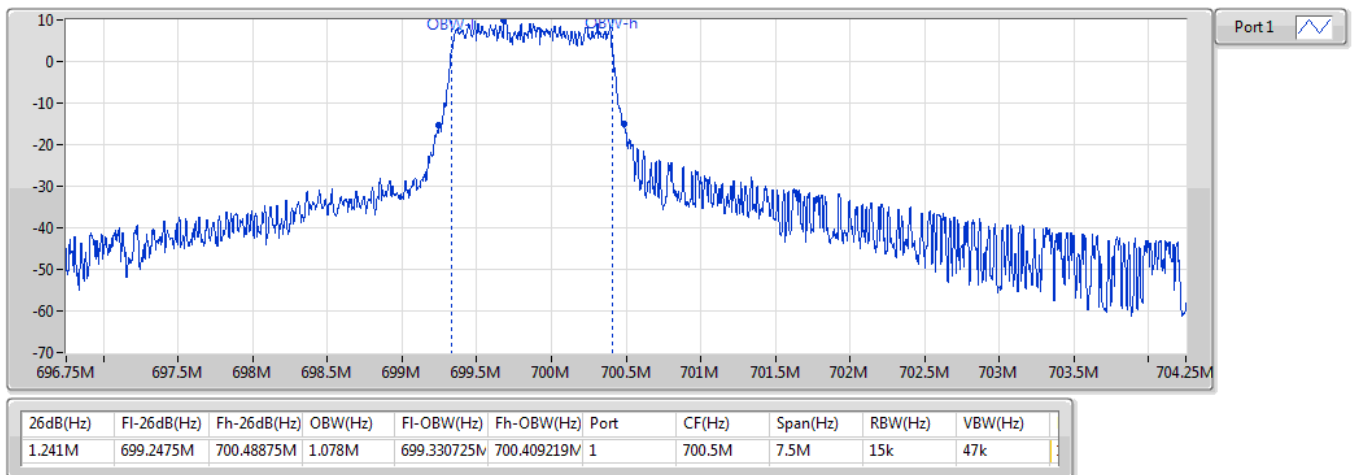
715.3MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

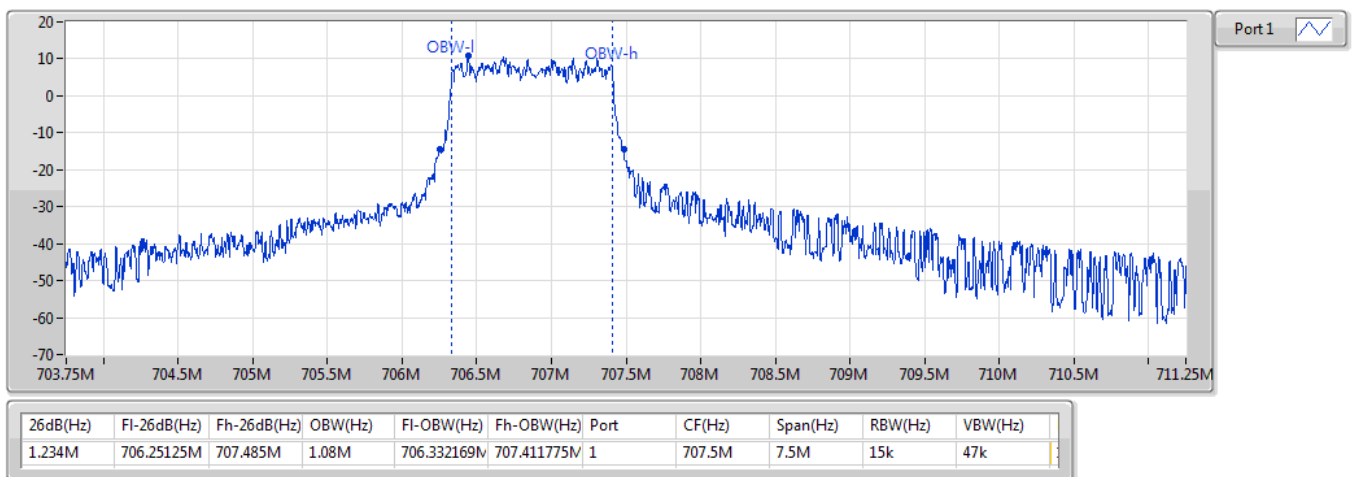
700.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

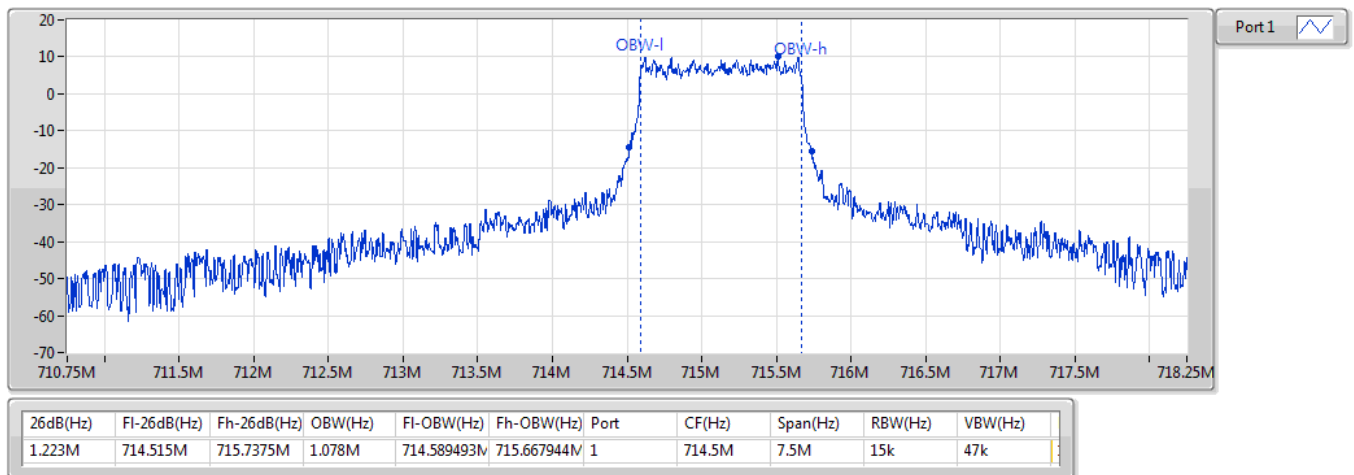
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

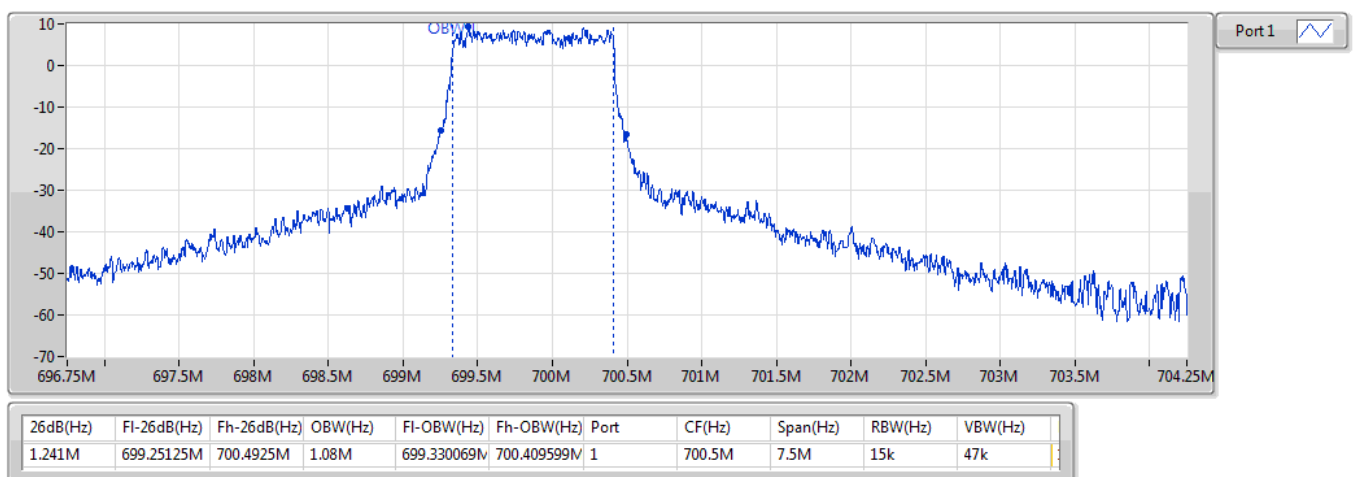
714.5MHz_QPSK_RB 6,#RB 0,NB 1



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

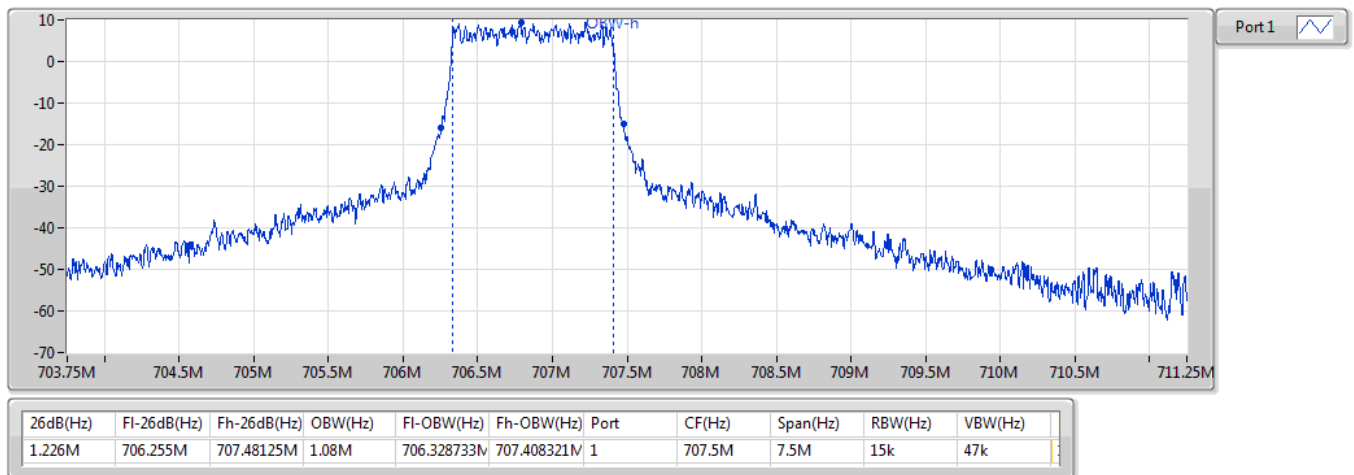
EBW

700.5MHz_16QAM_RB 6,#RB 0,NB 0



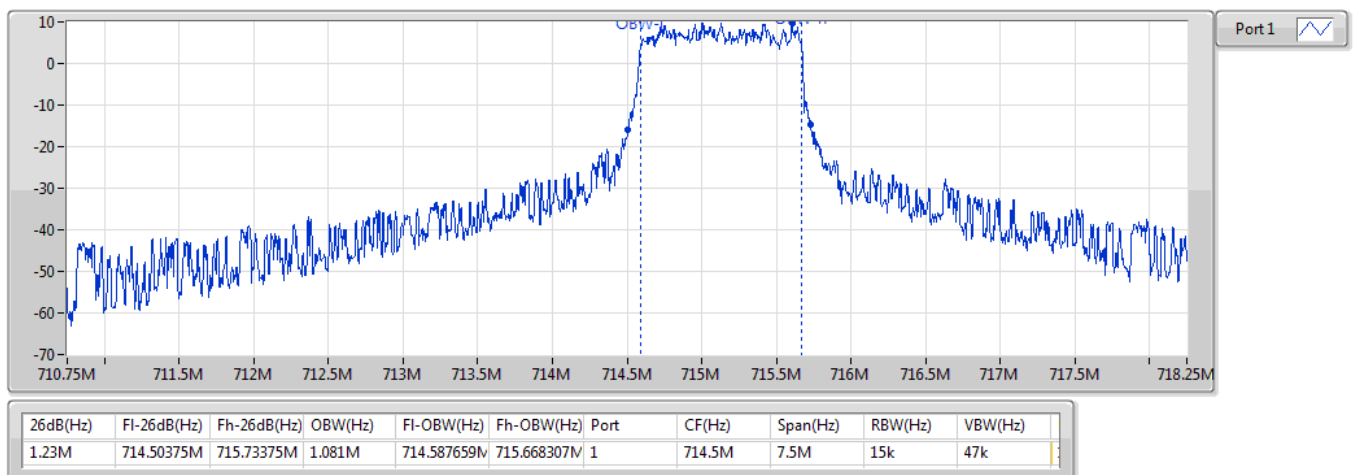
Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

EBW



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
714.5MHz_16QAM_RB 6,#RB 0,NB 1

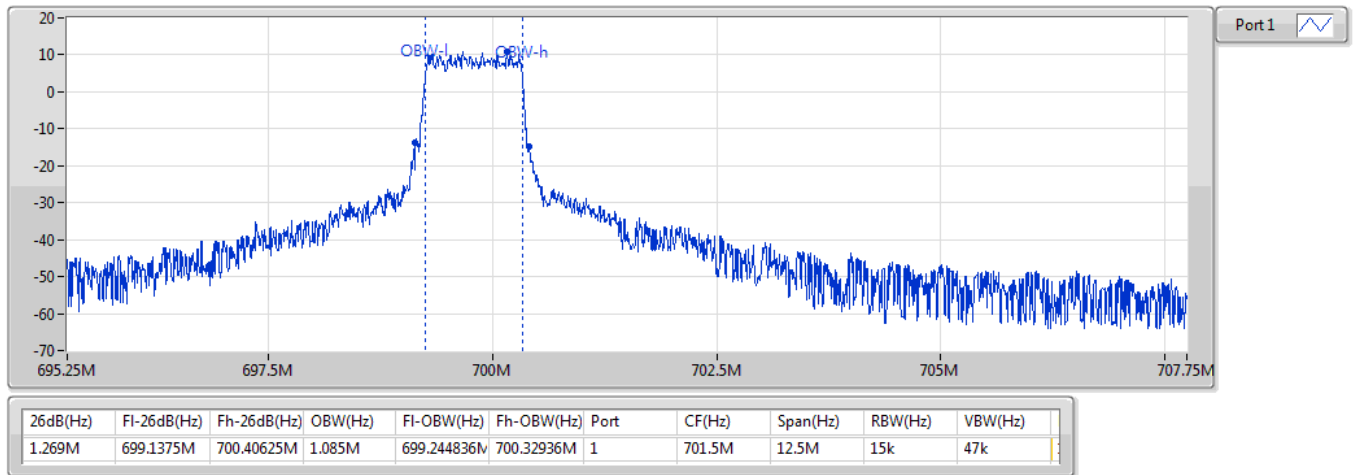
EBW



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

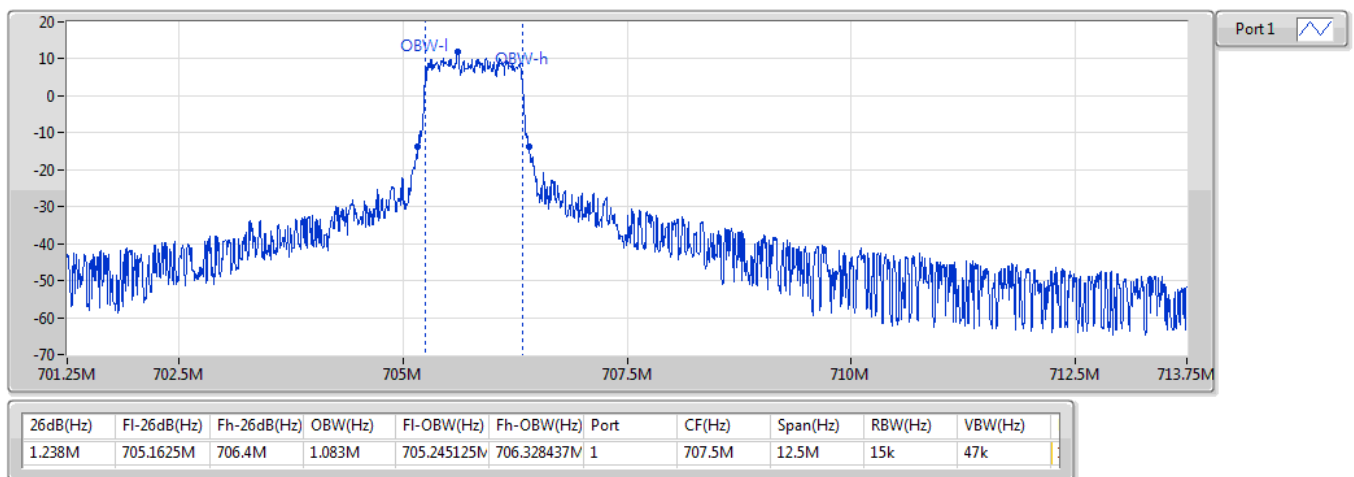
701.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

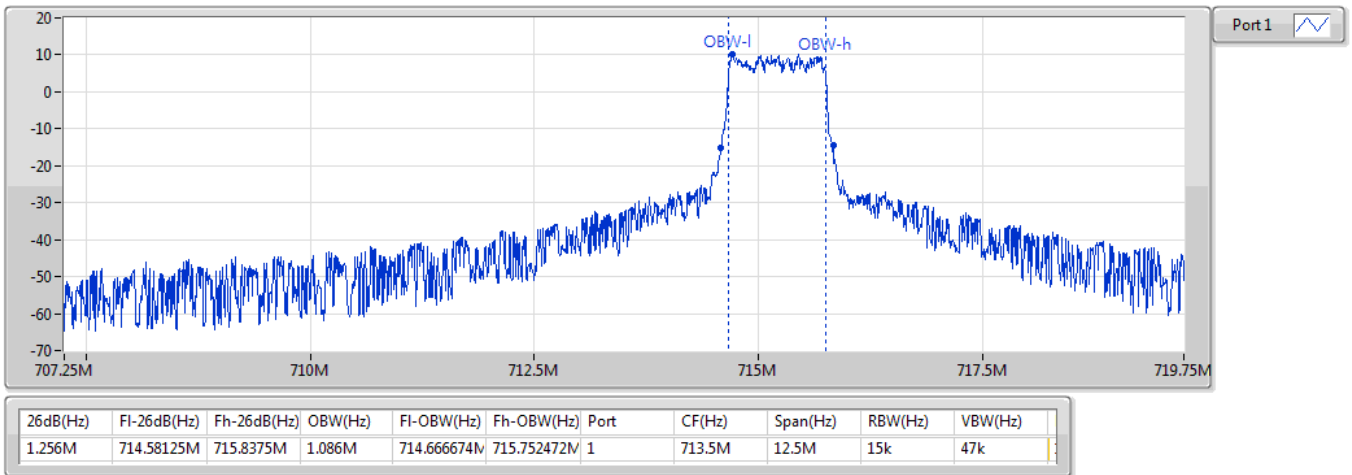
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

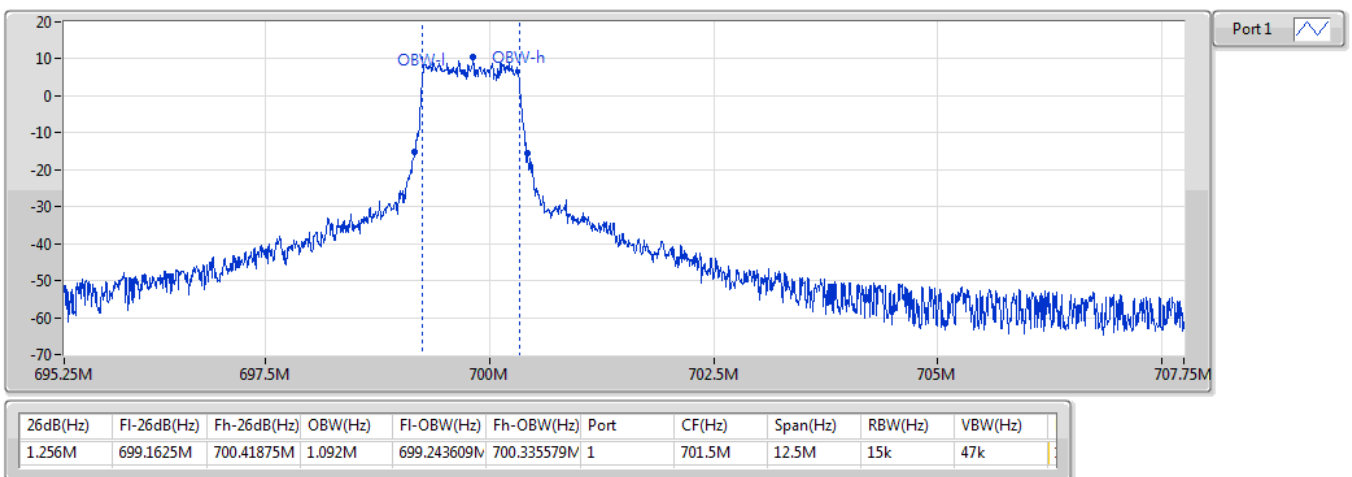
713.5MHz_QPSK_RB 6,#RB 0,NB 3



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

EBW

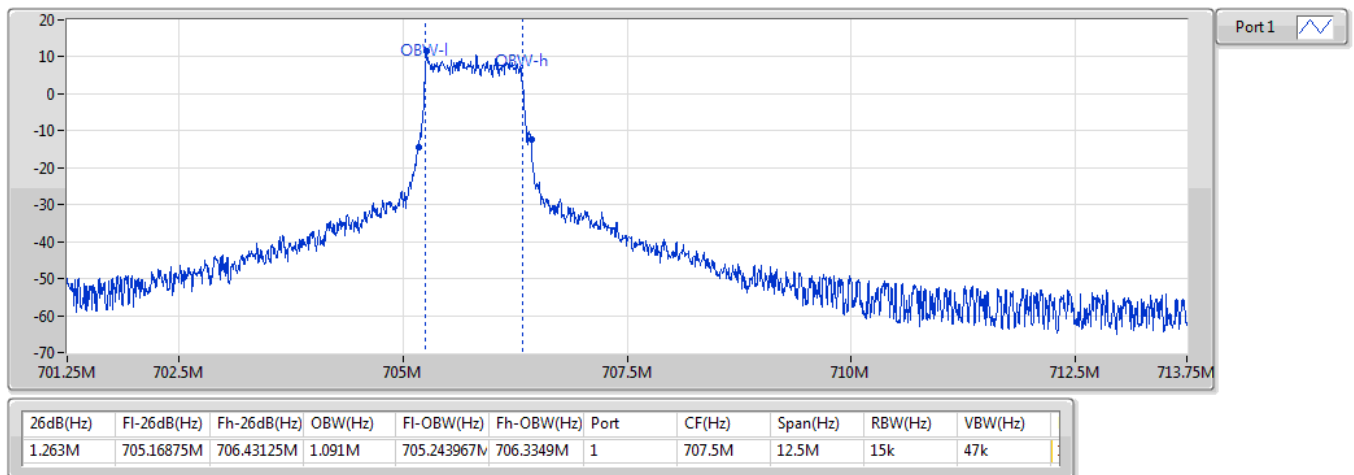
701.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

EBW

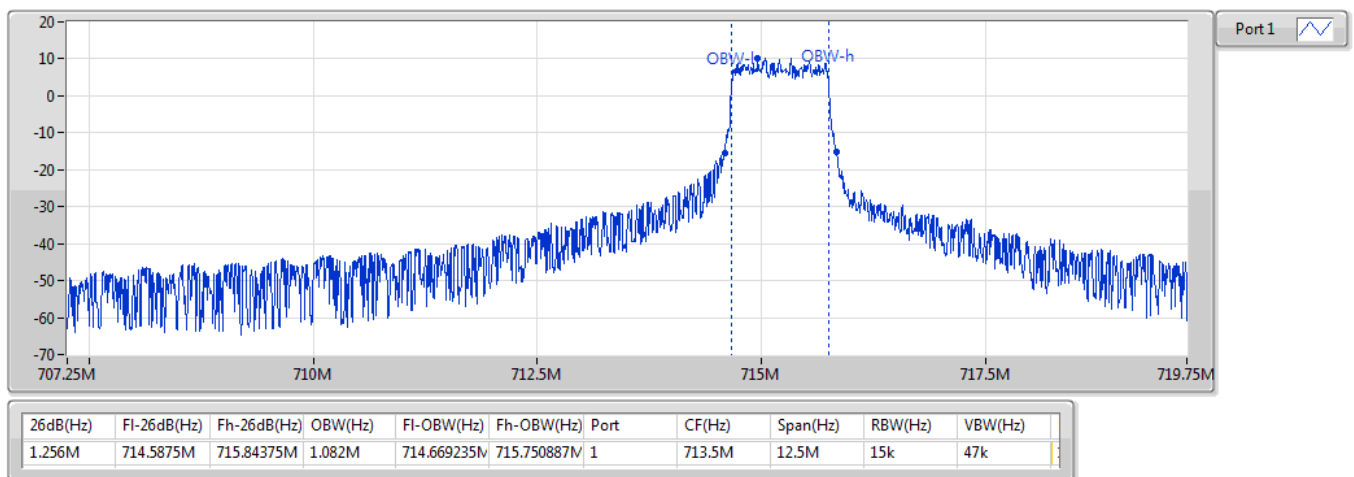
707.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

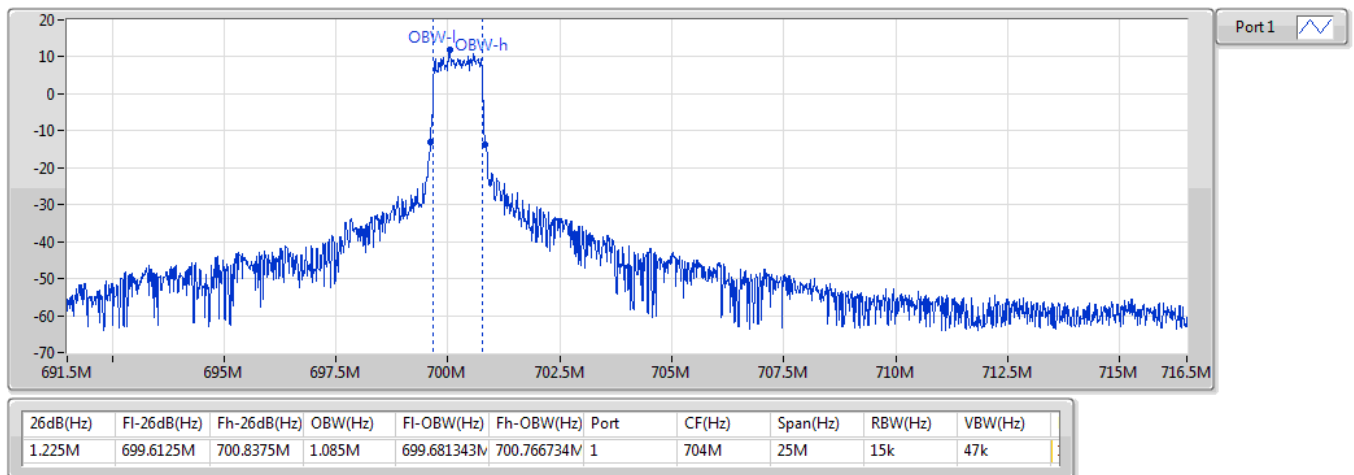
EBW

713.5MHz_16QAM_RB 6,#RB 0,NB 3



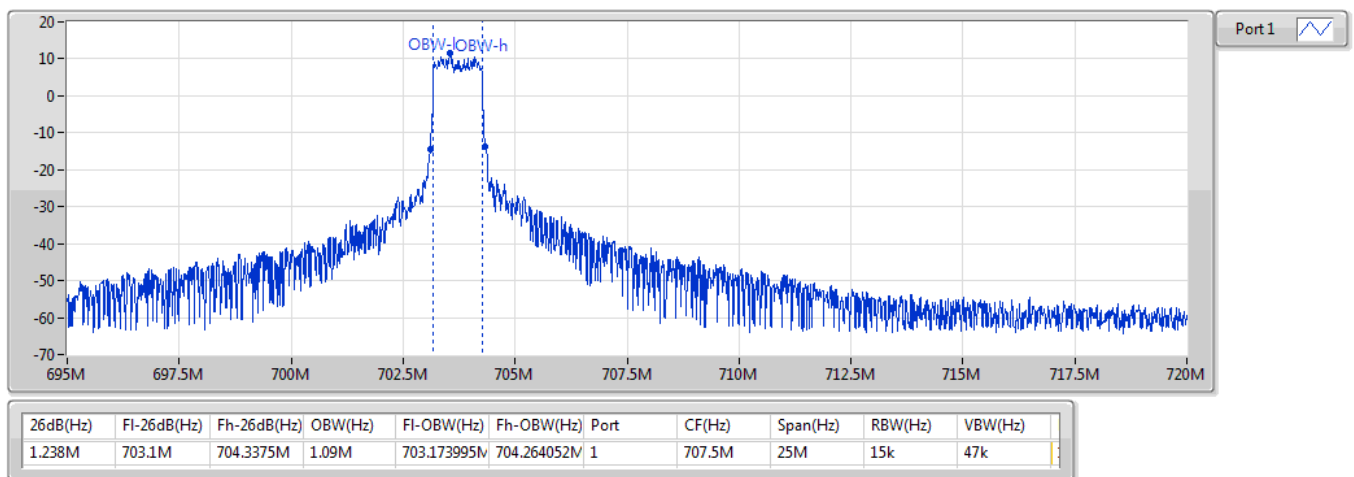
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
704MHz_QPSK_RB 6,#RB 0,NB 0

EBW



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

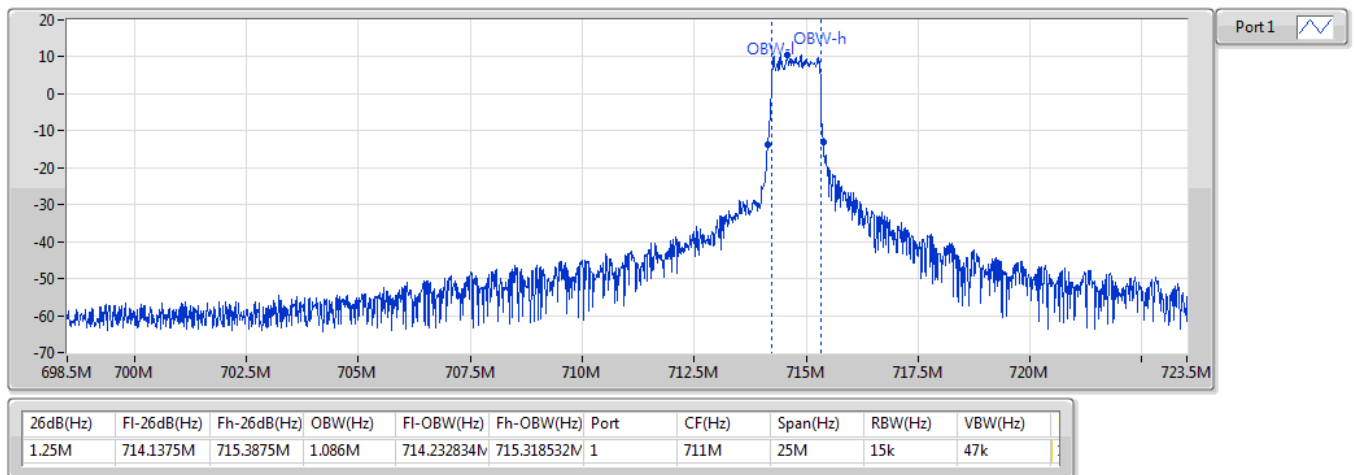
EBW



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

EBW

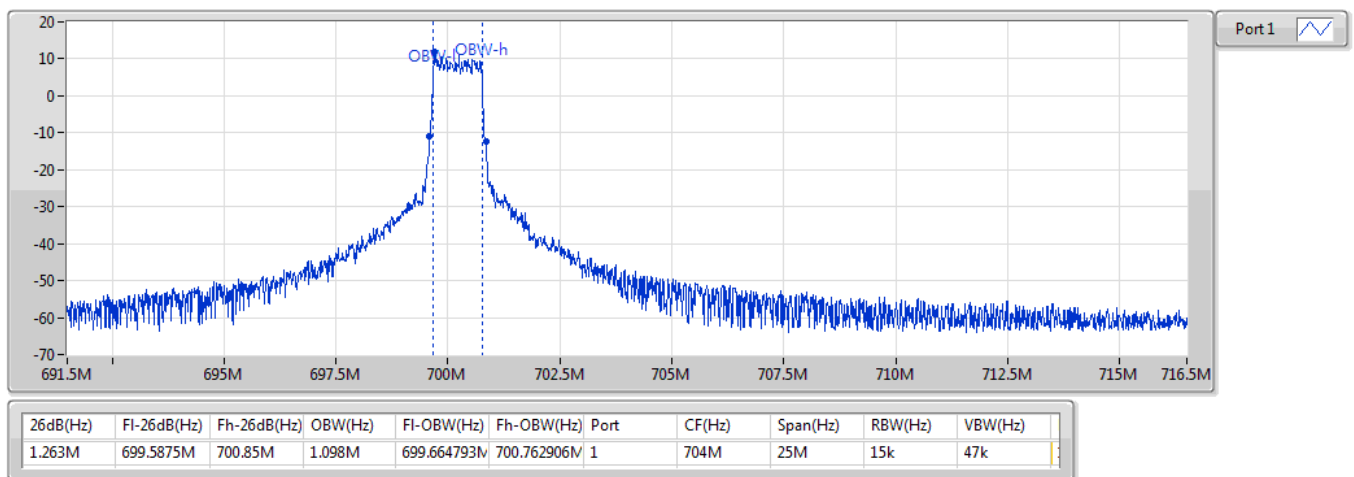
711MHz_QPSK_RB 6,#RB 0,NB 7



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

EBW

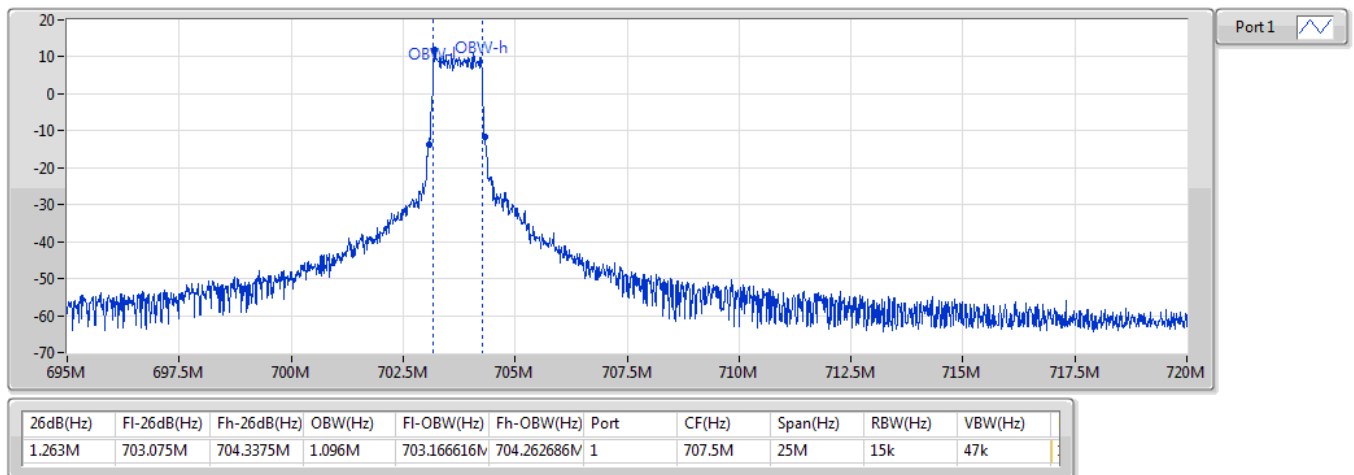
704MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

EBW

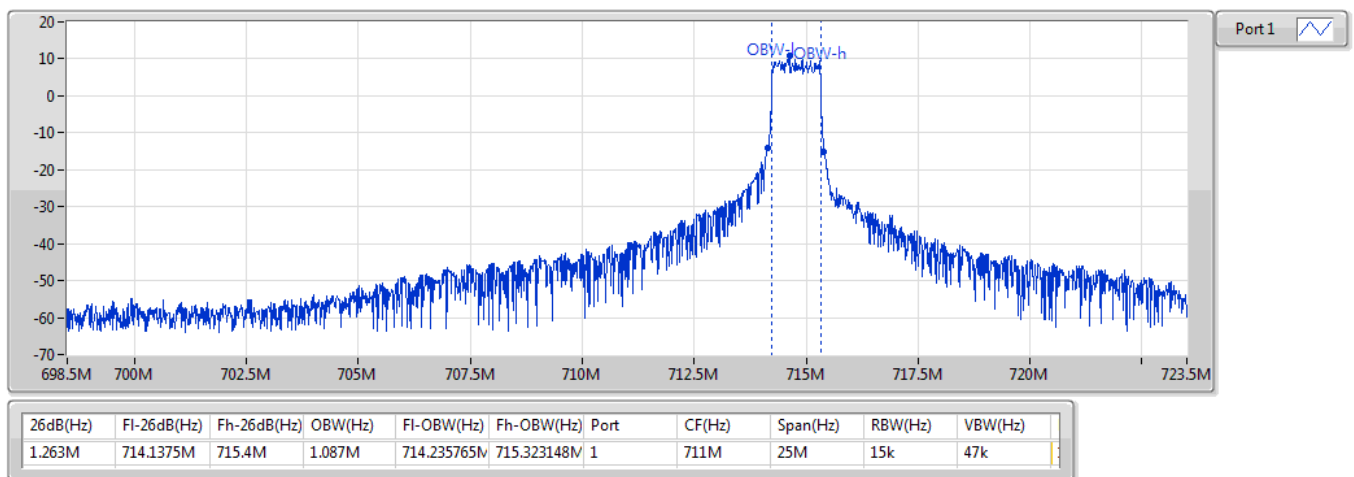
707.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

EBW

711MHz_16QAM_RB 6,#RB 0,NB 7



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 12	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	699.7	13.00	5.29	1
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	715.3	13.00	5.71	1
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	700.5	13.00	5.27	1
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	714.5	13.00	5.68	1
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	701.5	13.00	5.26	1
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	5.82	1
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	711	13.00	4.89	1
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	5.71	1

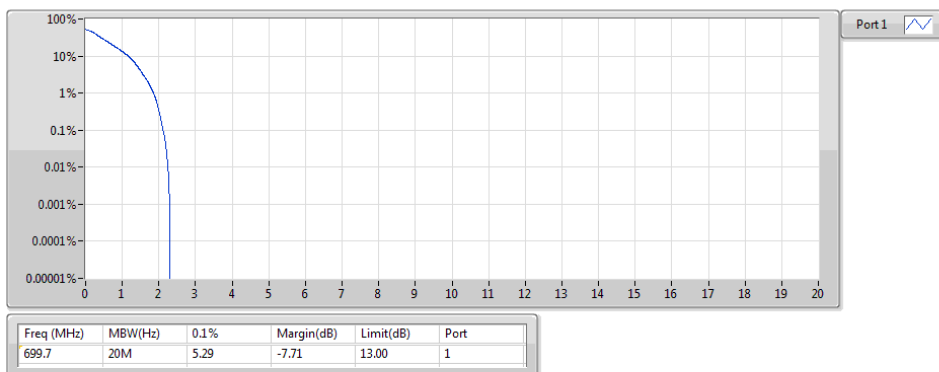
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 12_LTE-M1_1.4MHz_Nss1_1TX	-	-	-	-	-
699.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	699.7	13.00	5.29	1
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	707.5	13.00	4.93	1
715.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	715.3	13.00	4.90	1
699.7MHz_16QAM_RB 6,#RB 0,NB 0	Pass	699.7	13.00	5.48	1
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	707.5	13.00	5.33	1
715.3MHz_16QAM_RB 6,#RB 0,NB 0	Pass	715.3	13.00	5.71	1
Band 12_LTE-M1_3MHz_Nss1_1TX	-	-	-	-	-
700.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	700.5	13.00	5.27	1
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	707.5	13.00	4.99	1
714.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	714.5	13.00	4.85	1
700.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	700.5	13.00	5.52	1
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	707.5	13.00	5.43	1
714.5MHz_16QAM_RB 6,#RB 0,NB 1	Pass	714.5	13.00	5.68	1
Band 12_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-
701.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	701.5	13.00	5.26	1
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	707.5	13.00	4.99	1
713.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	713.5	13.00	4.70	1
701.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	701.5	13.00	5.79	1
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	707.5	13.00	5.82	1
713.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	713.5	13.00	5.69	1
Band 12_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-
704MHz_QPSK_RB 6,#RB 0,NB 0	Pass	704	13.00	4.80	1
707.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	707.5	13.00	4.84	1
711MHz_QPSK_RB 6,#RB 0,NB 7	Pass	711	13.00	4.89	1
704MHz_16QAM_RB 6,#RB 0,NB 0	Pass	704	13.00	5.65	1
707.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	707.5	13.00	5.71	1
711MHz_16QAM_RB 6,#RB 0,NB 7	Pass	711	13.00	5.53	1

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

PAR

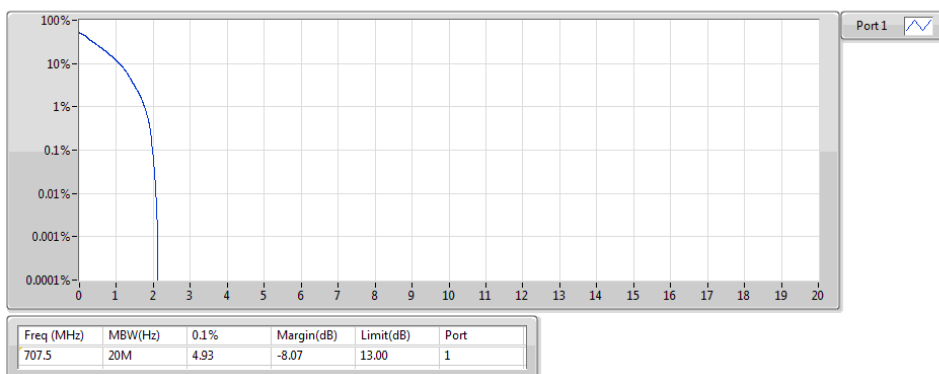
699.7MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

PAR

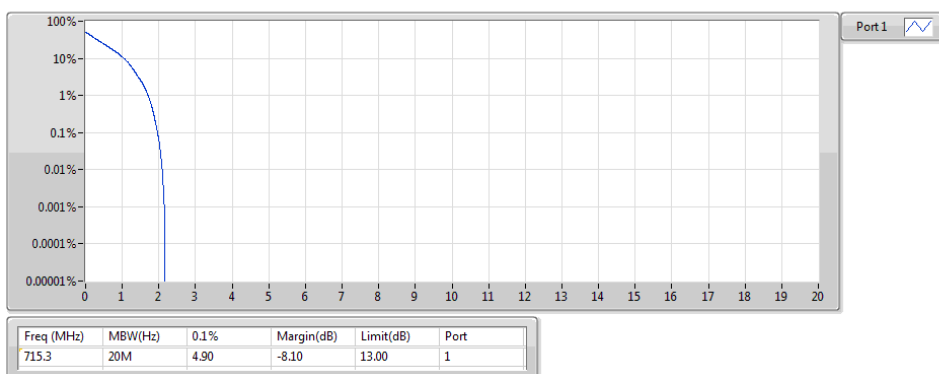
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

PAR

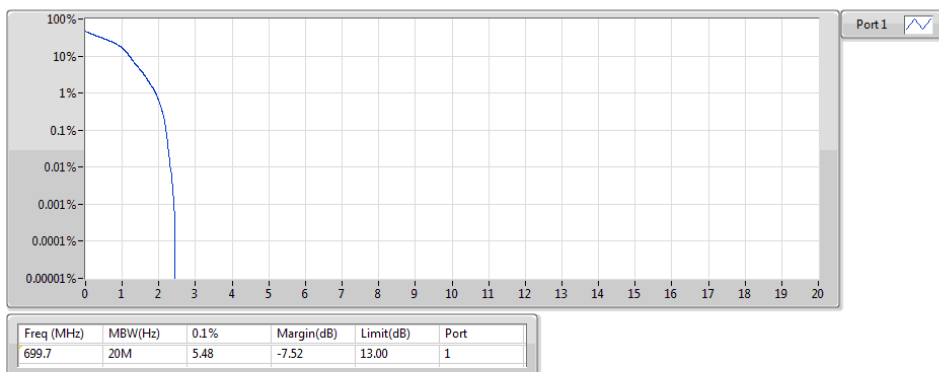
715.3MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

PAR

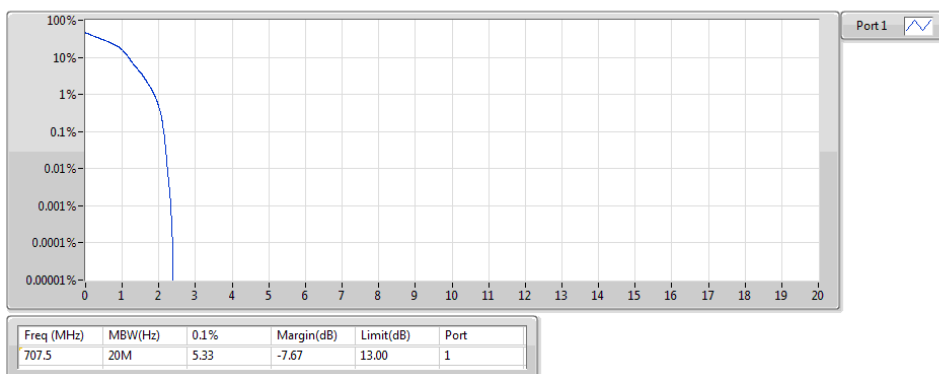
699.7MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

PAR

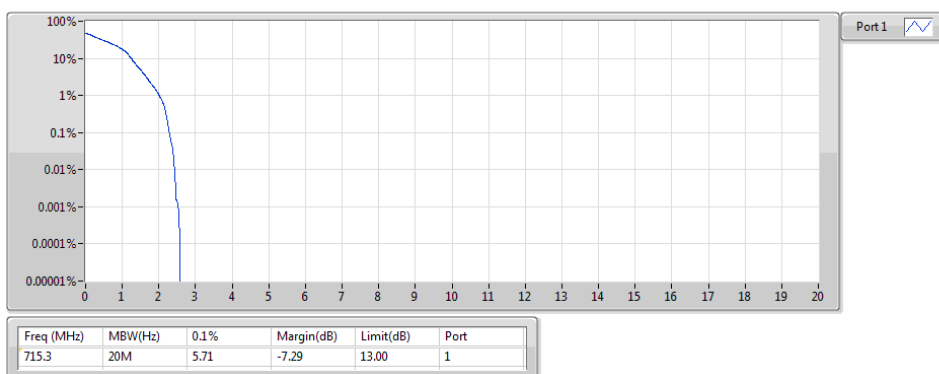
707.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

PAR

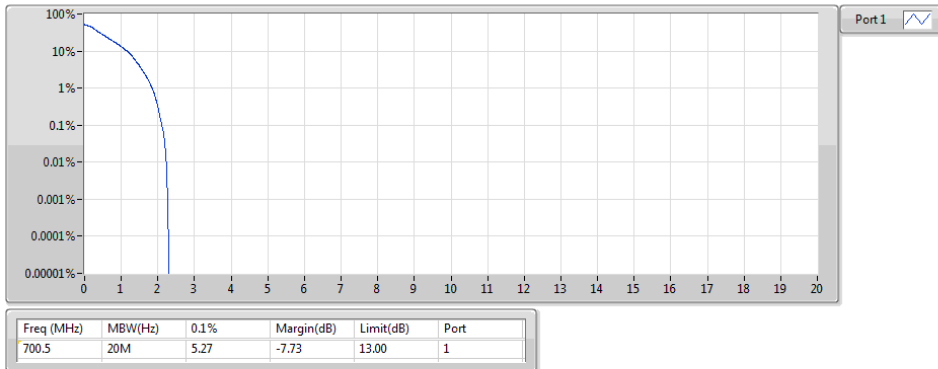
715.3MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

PAR

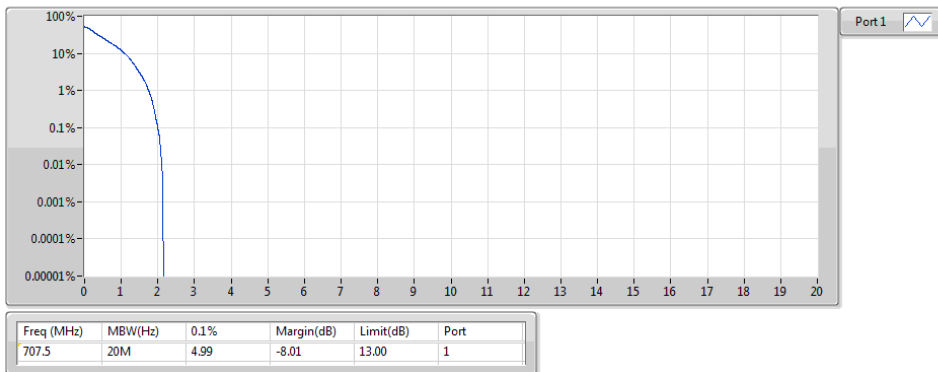
700.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

PAR

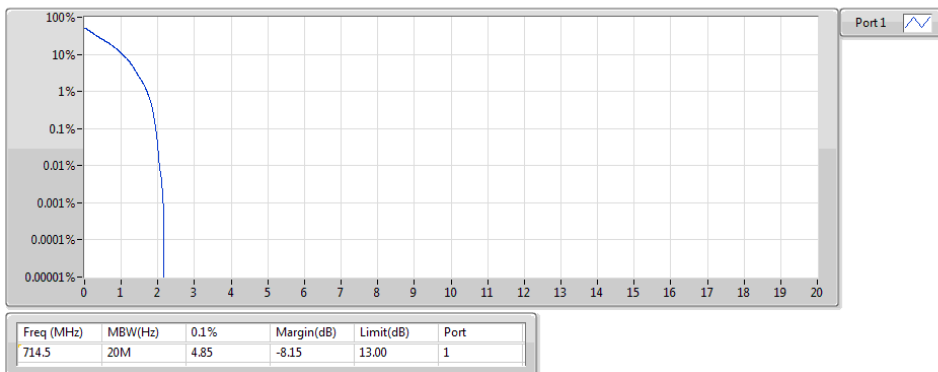
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

PAR

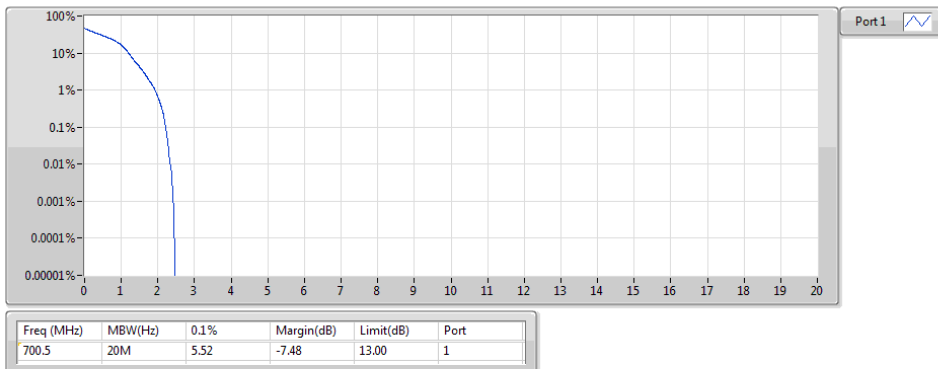
714.5MHz_QPSK_RB 6,#RB 0,NB 1



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

PAR

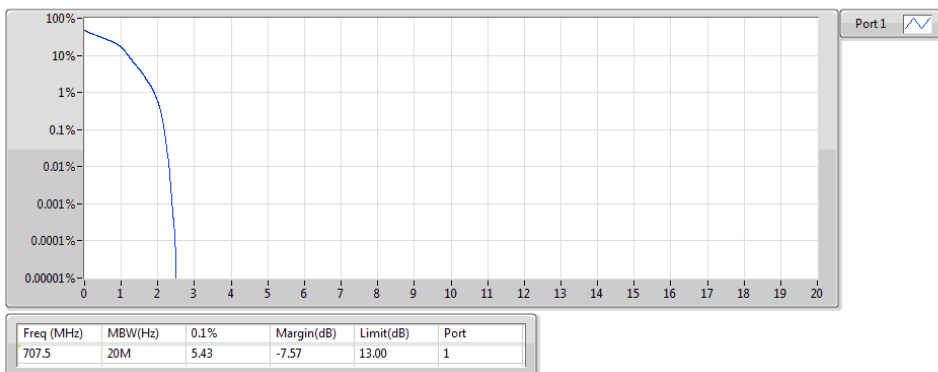
700.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

PAR

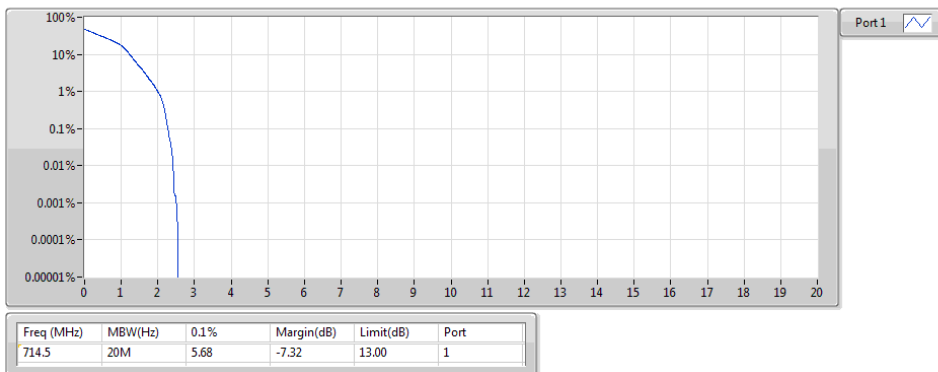
707.5MHz_16QAM_RB 6,#RB 0,NB 0



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

PAR

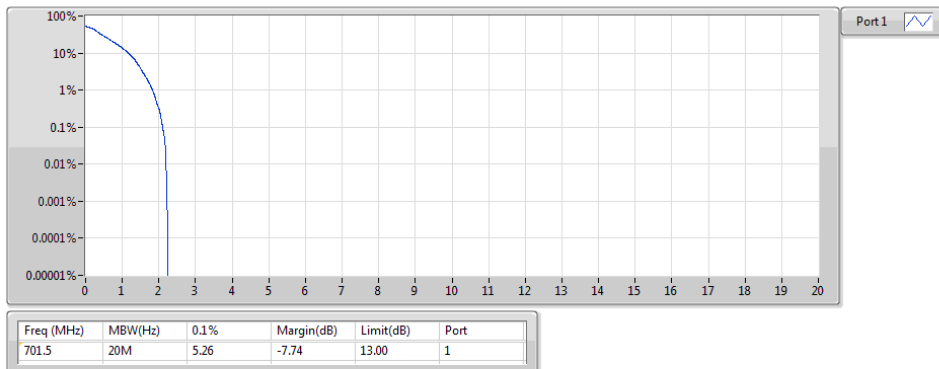
714.5MHz_16QAM_RB 6,#RB 0,NB 1



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

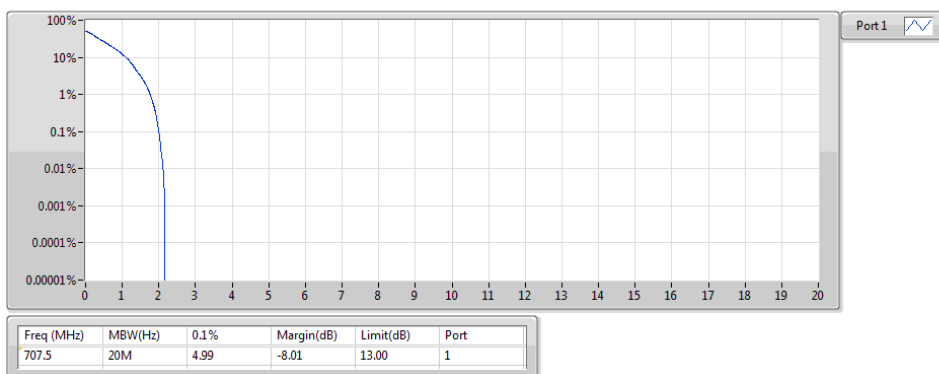
701.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

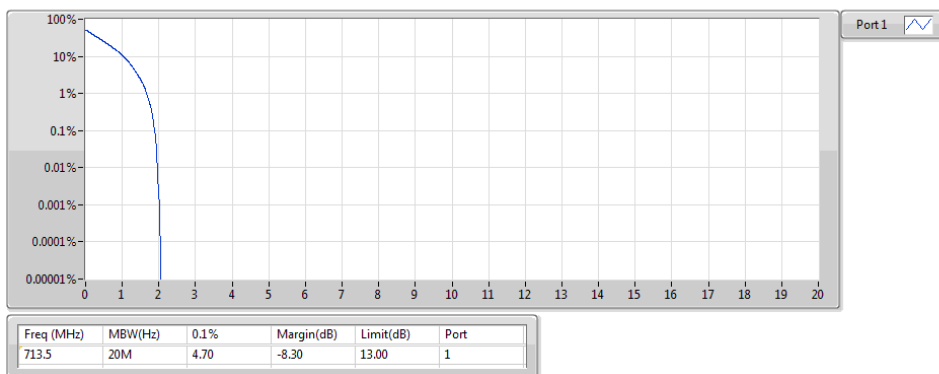
707.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

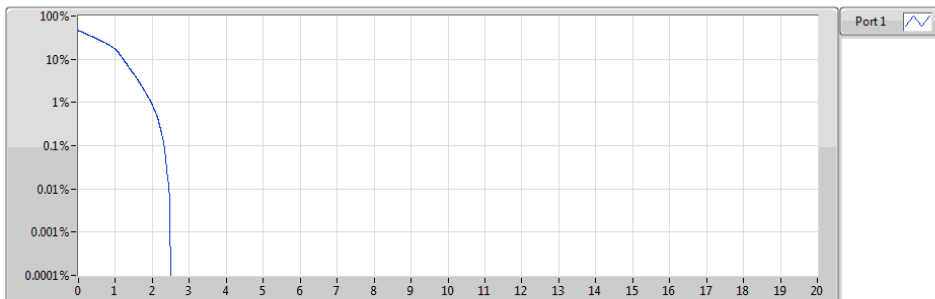
713.5MHz_QPSK_RB 6,#RB 0,NB 3



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

701.5MHz_16QAM_RB 6,#RB 0,NB 0

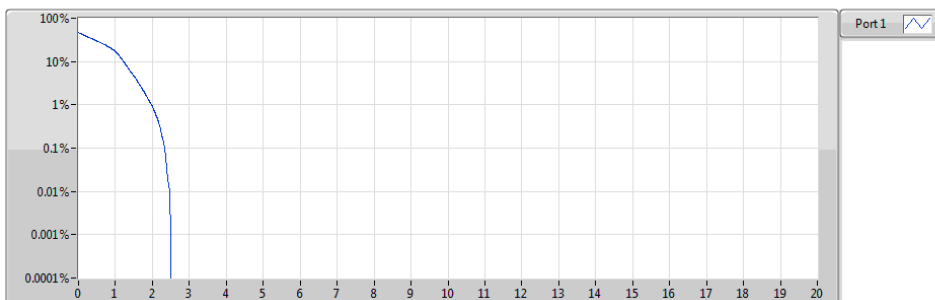


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
701.5	20M	5.79	-7.21	13.00	1

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

707.5MHz_16QAM_RB 6,#RB 0,NB 0

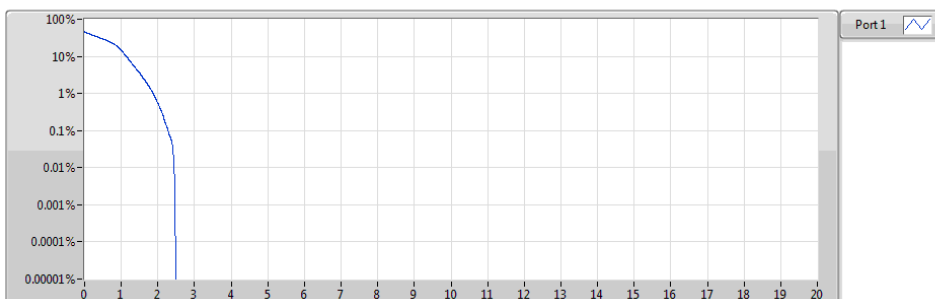


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
707.5	20M	5.82	-7.18	13.00	1

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

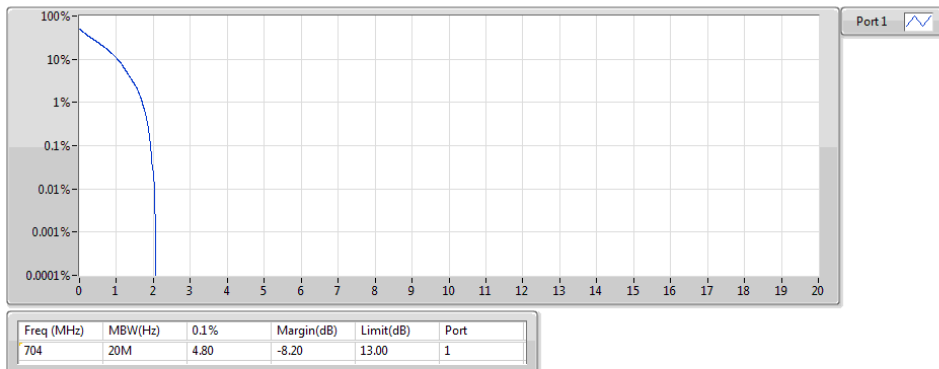
713.5MHz_16QAM_RB 6,#RB 0,NB 3



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
713.5	20M	5.69	-7.31	13.00	1

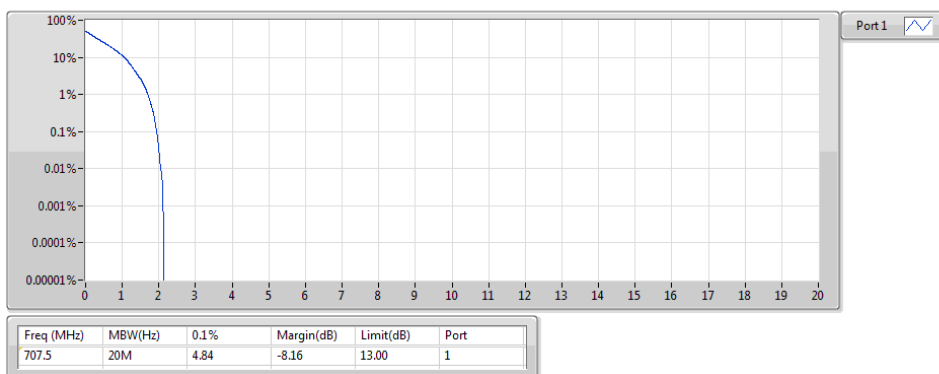
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
704MHz_QPSK_RB 6,#RB 0,NB 0

PAR



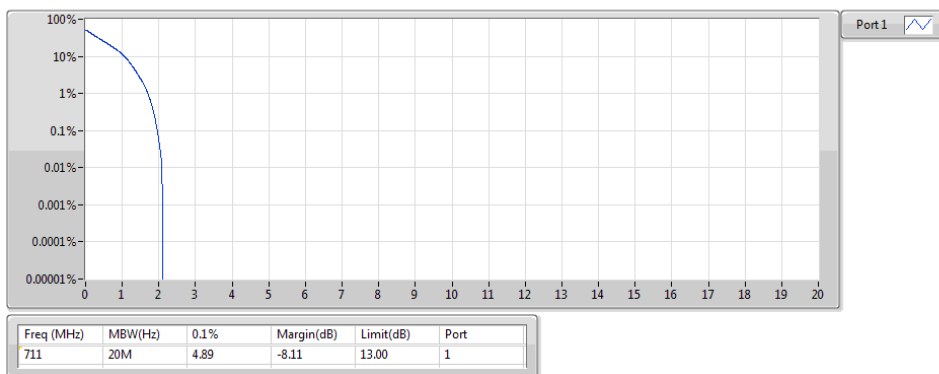
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

PAR



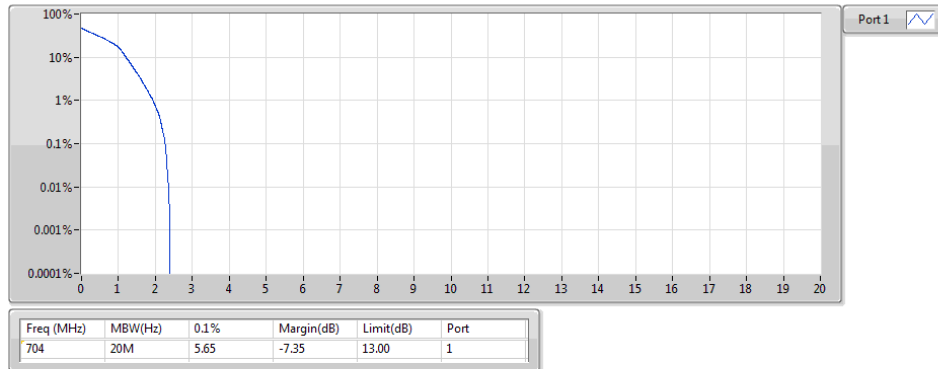
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
711MHz_QPSK_RB 6,#RB 0,NB 7

PAR



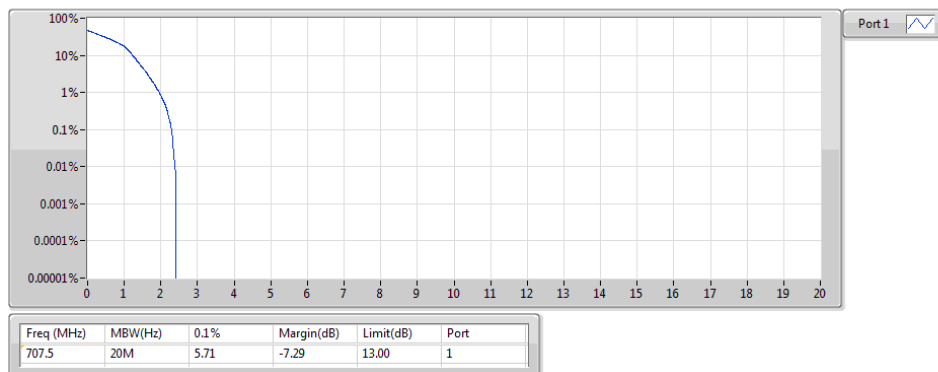
Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
704MHz_16QAM_RB 6,#RB 0,NB 0

PAR



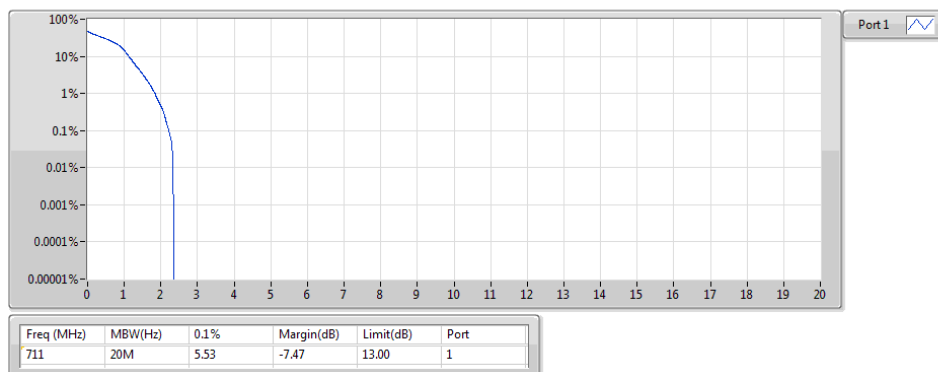
Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
711MHz_16QAM_RB 6,#RB 0,NB 7

PAR



CB: 1.4MHz				
Temperature (°C)	699.7MHz		715.3MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.010	699.159703	0.011	715.840783
T20°CVmin	0.011	699.159704	0.010	715.840782
T60°CVnom	0.019	699.159705	0.017	715.840787
T50°CVnom	0.020	699.159706	0.020	715.840789
T40°CVnom	0.017	699.159707	0.015	715.840786
T30°CVnom	0.014	699.159708	0.015	715.840786
T20°CVnom	0.011	699.159709	0.013	715.840784
T10°CVnom	-0.013	699.159710	-0.011	715.840767
T0°CVnom	-0.014	699.159711	-0.015	715.840764
T-10°CVnom	-0.019	699.159712	-0.017	715.840763
T-20°CVnom	-0.016	699.159713	-0.018	715.840762
T-30°CVnom	-0.020	699.159714	-0.017	715.840763
Limit	>698MHz		<716MHz	

CB: 3MHz				
Temperature (°C)	700.5MHz		714.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.011	699.330110	0.013	715.668316
T20°CVmin	0.013	699.330111	0.010	715.668314
T60°CVnom	0.017	699.330112	0.015	715.668318
T50°CVnom	0.019	699.330113	0.017	715.668319
T40°CVnom	0.019	699.330114	0.018	715.668320
T30°CVnom	0.017	699.330115	0.017	715.668319
T20°CVnom	0.013	699.330116	0.014	715.668317
T10°CVnom	-0.011	699.330117	-0.013	715.668298
T0°CVnom	-0.017	699.330118	-0.014	715.668297
T-10°CVnom	-0.017	699.330119	-0.015	715.668296
T-20°CVnom	-0.019	699.330120	-0.020	715.668293
T-30°CVnom	-0.023	699.330121	-0.021	715.668292
Limit	>698MHz		<716MHz	

CB: 5MHz				
Temperature (°C)	701.5MHz		713.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.013	699.243650	0.011	715.752480
T20°CVmin	0.010	699.243651	0.013	715.752481
T60°CVnom	0.016	699.243652	0.018	715.752485
T50°CVnom	0.017	699.243653	0.015	715.752483
T40°CVnom	0.017	699.243654	0.017	715.752484
T30°CVnom	0.016	699.243655	0.015	715.752483
T20°CVnom	0.011	699.243656	0.013	715.752481
T10°CVnom	-0.010	699.243657	-0.011	715.752464
T0°CVnom	-0.016	699.243658	-0.015	715.752461
T-10°CVnom	-0.017	699.243659	-0.018	715.752459
T-20°CVnom	-0.020	699.243660	-0.017	715.752460
T-30°CVnom	-0.021	699.243661	-0.022	715.752456
Limit	>698MHz		<716MHz	

CB: 10MHz				
Temperature (°C)	704MHz		711MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.011	699.664834	0.010	715.323155
T20°CVmin	0.010	699.664835	0.013	715.323157
T60°CVnom	0.017	699.664836	0.020	715.323162
T50°CVnom	0.016	699.664837	0.017	715.323160
T40°CVnom	0.014	699.664838	0.015	715.323159
T30°CVnom	0.013	699.664839	0.015	715.323159
T20°CVnom	0.010	699.664840	0.014	715.323158
T10°CVnom	-0.011	699.664841	-0.015	715.323137
T0°CVnom	-0.014	699.664842	-0.018	715.323135
T-10°CVnom	-0.016	699.664843	-0.017	715.323136
T-20°CVnom	-0.018	699.664844	-0.020	715.323134
T-30°CVnom	-0.020	699.664845	-0.024	715.323131
Limit	>698MHz		<716MHz	

**Summary**

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 13	-	-	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	20.86	0.122	18.11	0.06471
LTE-M1_5MHz_Nss1,16QAM_1TX	20.85	0.122	18.10	0.06457
LTE-M1_10MHz_Nss1,QPSK_1TX	20.51	0.112	17.76	0.05970
LTE-M1_10MHz_Nss1,16QAM_1TX	20.40	0.110	17.65	0.05821

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 13_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
779.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	-0.60	20.15	18.00	0.06310	3	20.75	0.119	Inf	20.75
779.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	-0.60	20.01	17.86	0.06109	3	20.61	0.115	Inf	20.61
779.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	-0.60	20.06	17.91	0.06180	3	20.66	0.116	Inf	20.66
779.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	-0.60	19.91	17.76	0.05970	3	20.51	0.112	Inf	20.51
779.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	-0.60	19.80	17.65	0.05821	3	20.40	0.110	Inf	20.4
779.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	-0.60	19.72	17.57	0.05715	3	20.32	0.108	Inf	20.32
779.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	-0.60	18.75	16.60	0.04571	3	19.35	0.086	Inf	19.35
779.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	-0.60	18.72	16.57	0.04539	3	19.32	0.086	Inf	19.32
782MHz_QPSK_RB 1,#RB 0,NB 0	Pass	-0.60	20.26	18.11	0.06471	3	20.86	0.122	Inf	20.86
782MHz_QPSK_RB 1,#RB 0,NB 1	Pass	-0.60	20.06	17.91	0.06180	3	20.66	0.116	Inf	20.66
782MHz_QPSK_RB 1,#RB 5,NB 1	Pass	-0.60	19.79	17.64	0.05808	3	20.39	0.109	Inf	20.39
782MHz_QPSK_RB 1,#RB 5,NB 3	Pass	-0.60	19.82	17.67	0.05848	3	20.42	0.110	Inf	20.42
782MHz_QPSK_RB 3,#RB 0,NB 0	Pass	-0.60	19.72	17.57	0.05715	3	20.32	0.108	Inf	20.32
782MHz_QPSK_RB 3,#RB 3,NB 3	Pass	-0.60	19.53	17.38	0.05470	3	20.13	0.103	Inf	20.13
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	-0.60	18.58	16.43	0.04395	3	19.18	0.083	Inf	19.18
782MHz_QPSK_RB 6,#RB 0,NB 3	Pass	-0.60	18.45	16.30	0.04266	3	19.05	0.080	Inf	19.05
784.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	-0.60	20.19	18.04	0.06368	3	20.79	0.120	Inf	20.79
784.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	-0.60	20.09	17.94	0.06223	3	20.69	0.117	Inf	20.69
784.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	-0.60	19.63	17.48	0.05598	3	20.23	0.105	Inf	20.23
784.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	-0.60	19.55	17.40	0.05495	3	20.15	0.104	Inf	20.15
784.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	-0.60	19.77	17.62	0.05781	3	20.37	0.109	Inf	20.37
784.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	-0.60	19.41	17.26	0.05321	3	20.01	0.100	Inf	20.01
784.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	-0.60	18.61	16.46	0.04426	3	19.21	0.083	Inf	19.21
784.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	-0.60	18.09	15.94	0.03926	3	18.69	0.074	Inf	18.69
779.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	-0.60	20.12	17.97	0.06266	3	20.72	0.118	Inf	20.72
779.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	-0.60	20.14	17.99	0.06295	3	20.74	0.119	Inf	20.74
779.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	-0.60	20.02	17.87	0.06124	3	20.62	0.115	Inf	20.62
779.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	-0.60	20.04	17.89	0.06152	3	20.64	0.116	Inf	20.64
779.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	-0.60	19.91	17.76	0.05970	3	20.51	0.112	Inf	20.51
779.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	-0.60	19.80	17.65	0.05821	3	20.40	0.110	Inf	20.4
779.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	-0.60	18.87	16.72	0.04699	3	19.47	0.089	Inf	19.47
779.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	-0.60	18.75	16.60	0.04571	3	19.35	0.086	Inf	19.35
782MHz_16QAM_RB 1,#RB 0,NB 0	Pass	-0.60	20.05	17.90	0.06166	3	20.65	0.116	Inf	20.65
782MHz_16QAM_RB 1,#RB 0,NB 1	Pass	-0.60	20.25	18.10	0.06457	3	20.85	0.122	Inf	20.85
782MHz_16QAM_RB 1,#RB 5,NB 1	Pass	-0.60	19.92	17.77	0.05984	3	20.52	0.113	Inf	20.52
782MHz_16QAM_RB 1,#RB 5,NB 3	Pass	-0.60	19.72	17.57	0.05715	3	20.32	0.108	Inf	20.32

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
782MHz_16QAM_RB 3,#RB 0,NB 0	Pass	-0.60	19.84	17.69	0.05875	3	20.44	0.111	Inf	20.44
782MHz_16QAM_RB 3,#RB 3,NB 3	Pass	-0.60	19.53	17.38	0.05470	3	20.13	0.103	Inf	20.13
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	-0.60	18.79	16.64	0.04613	3	19.39	0.087	Inf	19.39
782MHz_16QAM_RB 6,#RB 0,NB 3	Pass	-0.60	18.65	16.50	0.04467	3	19.25	0.084	Inf	19.25
784.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	-0.60	20.15	18.00	0.06310	3	20.75	0.119	Inf	20.75
784.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	-0.60	20.09	17.94	0.06223	3	20.69	0.117	Inf	20.69
784.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	-0.60	19.57	17.42	0.05521	3	20.17	0.104	Inf	20.17
784.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	-0.60	19.49	17.34	0.05420	3	20.09	0.102	Inf	20.09
784.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	-0.60	19.92	17.77	0.05984	3	20.52	0.113	Inf	20.52
784.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	-0.60	19.55	17.40	0.05495	3	20.15	0.104	Inf	20.15
784.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	-0.60	18.69	16.54	0.04508	3	19.29	0.085	Inf	19.29
784.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	-0.60	18.52	16.37	0.04335	3	19.12	0.082	Inf	19.12
Band 13_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
782MHz_QPSK_RB 1,#RB 0,NB 0	Pass	-0.60	19.75	17.60	0.05754	3	20.35	0.108	Inf	20.35
782MHz_QPSK_RB 1,#RB 0,NB 3	Pass	-0.60	19.91	17.76	0.05970	3	20.51	0.112	Inf	20.51
782MHz_QPSK_RB 1,#RB 5,NB 3	Pass	-0.60	19.73	17.58	0.05728	3	20.33	0.108	Inf	20.33
782MHz_QPSK_RB 1,#RB 5,NB 7	Pass	-0.60	19.21	17.06	0.05082	3	19.81	0.096	Inf	19.81
782MHz_QPSK_RB 3,#RB 0,NB 0	Pass	-0.60	19.70	17.55	0.05689	3	20.30	0.107	Inf	20.3
782MHz_QPSK_RB 3,#RB 3,NB 7	Pass	-0.60	19.26	17.11	0.05140	3	19.86	0.097	Inf	19.86
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	-0.60	18.48	16.33	0.04295	3	19.08	0.081	Inf	19.08
782MHz_QPSK_RB 6,#RB 0,NB 7	Pass	-0.60	18.15	16.00	0.03981	3	18.75	0.075	Inf	18.75
782MHz_16QAM_RB 1,#RB 0,NB 0	Pass	-0.60	19.47	17.32	0.05395	3	20.07	0.102	Inf	20.07
782MHz_16QAM_RB 1,#RB 0,NB 3	Pass	-0.60	19.55	17.40	0.05495	3	20.15	0.104	Inf	20.15
782MHz_16QAM_RB 1,#RB 5,NB 3	Pass	-0.60	19.46	17.31	0.05383	3	20.06	0.101	Inf	20.06
782MHz_16QAM_RB 1,#RB 5,NB 7	Pass	-0.60	19.07	16.92	0.04920	3	19.67	0.093	Inf	19.67
782MHz_16QAM_RB 3,#RB 0,NB 0	Pass	-0.60	19.76	17.61	0.05768	3	20.36	0.109	Inf	20.36
782MHz_16QAM_RB 3,#RB 3,NB 7	Pass	-0.60	19.41	17.26	0.05321	3	20.01	0.100	Inf	20.01
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	-0.60	19.80	17.65	0.05821	3	20.40	0.110	Inf	20.4
782MHz_16QAM_RB 6,#RB 0,NB 7	Pass	-0.60	19.55	17.40	0.05495	3	20.15	0.104	Inf	20.15

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

Test Result of Radiated Emissions below 1GHz

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230						
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	H	-65.54	-13	-52.54	-71.62	-43.94	-19.45
73.65	H	-64.75	-13	-51.75	-60.19	-53.26	-9.34
511.12	H	-64.08	-13	-51.08	-65.64	-60.66	-1.27
587.75	H	-64.8	-13	-51.8	-67.39	-60.98	-1.67
769.14	H	-49.25	-13	-36.25	-56.1	-45.08	-2.02
793.39	H	-54.83	-13	-41.83	-62.05	-50.77	-1.91
42.61	V	-68.91	-13	-55.91	-63.47	-49.52	-17.24
79.47	V	-71.55	-13	-58.55	-68.8	-61.98	-7.42
473.29	V	-66.4	-13	-53.4	-68.31	-62.96	-1.29
511.12	V	-64.18	-13	-51.18	-67.16	-60.76	-1.27
765.26	V	-49.12	-13	-36.12	-56.77	-44.93	-2.04
797.27	V	-58.01	-13	-45.01	-65.33	-53.97	-1.89

Mode	LTE Band 13, QPSK CB:5 MHz, RB Size: 1 RB start : 0 index : 3 ,Channel : 23230						
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	H	-67.88	-13	-54.88	-73.96	-46.28	-19.45
658.56	H	-66.37	-13	-53.37	-70.13	-62.51	-1.71
718.7	H	-61.3	-13	-48.3	-66.68	-57.3	-1.85
730.34	H	-53.98	-13	-40.98	-59.8	-49.89	-1.94
768.17	H	-45.16	-13	-32.16	-52	-40.98	-2.03
793.39	H	-54.76	-13	-41.76	-61.98	-50.7	-1.91
41.64	V	-71.12	-13	-58.12	-65.51	-51.6	-17.37
73.65	V	-70.31	-13	-57.31	-66.33	-58.82	-9.34
164.83	V	-71.12	-13	-58.12	-71.19	-63.06	-5.91
489.78	V	-68.02	-13	-55.02	-70.258	-64.6	-1.27
771.08	V	-47.51	-13	-34.51	-55.1	-43.35	-2.01
797.27	V	-57.78	-13	-44.78	-65.1	-53.74	-1.89

Note: ERP = S.G Power value + Correction factor-2.15dB.

Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 13, QPSK CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23205						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
2332.29	H	-54.48	-13	-41.48	-61.97	-57.94	5.61
3109.72	H	-51.19	-13	-38.19	-61.43	-55.56	6.52
3887.15	H	-50.71	-13	-37.71	-63.64	-55.51	6.95
2332.29	V	-53.56	-13	-40.56	-61.38	-57.02	5.61
3109.72	V	-49.8	-13	-36.8	-59.86	-54.17	6.52
3887.15	V	-50.57	-13	-37.57	-63.48	-55.37	6.95

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
2339.79	H	-53.81	-13	-40.81	-61.29	-57.32	5.66
3119.72	H	-51.92	-13	-38.92	-62.19	-56.29	6.52
3899.65	H	-51.6	-13	-38.6	-64.44	-56.4	6.95
2339.79	V	-54.14	-13	-41.14	-61.96	-57.65	5.66
3119.72	V	-52.07	-13	-39.07	-62.17	-56.44	6.52
3899.65	V	-50.62	-13	-37.62	-63.47	-55.42	6.95

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23255						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
2347.29	H	-54.7	-13	-41.7	-62.16	-58.25	5.7
3129.72	H	-52.08	-13	-39.08	-62.39	-56.45	6.52
3912.15	H	-50.53	-13	-37.53	-63.28	-55.32	6.94
2347.29	V	-54.23	-13	-41.23	-62.04	-57.78	5.7
3129.72	V	-51.39	-13	-38.39	-61.55	-55.76	6.52
3912.15	V	-50.52	-13	-37.52	-63.29	-55.31	6.94

Note: ERP = S.G Power value + Correction factor-2.15dB.

Mode	LTE Band 13, CB: 10MHz, 1RB, Offset 25, Channel : 23230						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
2349.63	H	-54	-13	-41	-61.45	-57.57	5.72
3132.84	H	-52.29	-13	-39.29	-62.61	-56.66	6.52
3916.05	H	-51.71	-13	-38.71	-64.43	-56.5	6.94
2349.63	V	-53.97	-13	-40.97	-61.78	-57.54	5.72
3132.84	V	-52.13	-13	-39.13	-62.3	-56.5	6.52
3916.05	V	-50.77	-13	-37.77	-63.52	-55.56	6.94

Note: ERP = S.G Power value + Correction factor-2.15dB.

Test Result of Radiated Emissions in the 1559-1610MHz band

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 5 index : 3 ,Channel : 23205						
Frequency (MHz)	Antenna Polarity	E.I.R.P. (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1563.24	H	-49.98	-40	-9.98	-56.17	-55.26	5.28
1563.24	V	-50.74	-40	-10.74	-57.02	-56.02	5.28

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230						
Frequency (MHz)	Antenna Polarity	E.I.R.P. (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1559.86	H	-46.24	-40	-6.24	-52.41	-51.48	5.24
1559.86	V	-47.46	-40	-7.46	-53.72	-52.7	5.24

Mode	LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23255						
Frequency (MHz)	Antenna Polarity	E.I.R.P. (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1564.86	H	-51.08	-40	-11.08	-57.23	-56.36	5.28
1564.86	V	-51.72	-40	-11.72	-57.98	-57	5.28

Mode	LTE Band 13, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 3 ,Channel : 23230						
Frequency (MHz)	Antenna Polarity	E.I.R.P. (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1562.1	H	-47.46	-40	-7.46	-53.62	-52.72	5.26
1562.1	V	-48.24	-40	-8.24	-54.5	-53.5	5.26

Note: EIRP = S.G Power value + Correction factor.

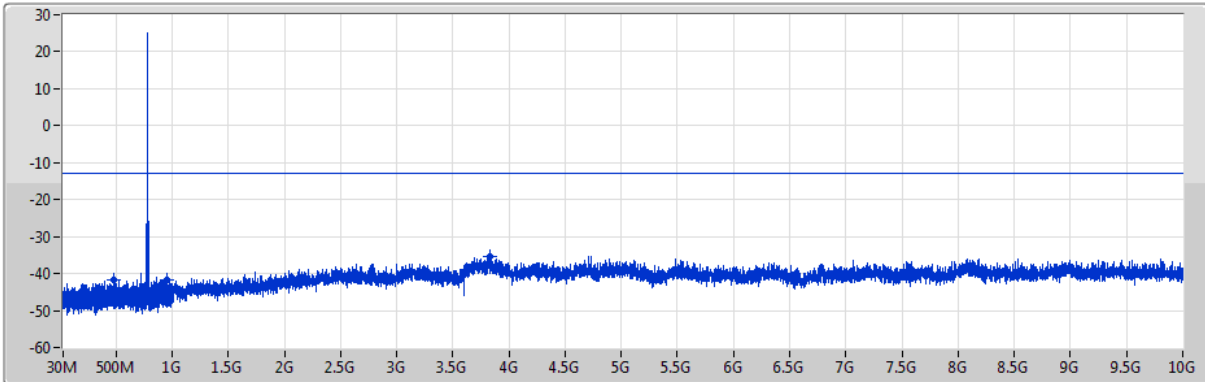
**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 13	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	9.8578G	-34.23	-13.00	-21.23	1	-	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7846G	-33.81	-13.00	-20.81	1	-	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.9583G	-34.23	-13.00	-21.23	1	-	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7495G	-34.39	-13.00	-21.39	1	-	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz



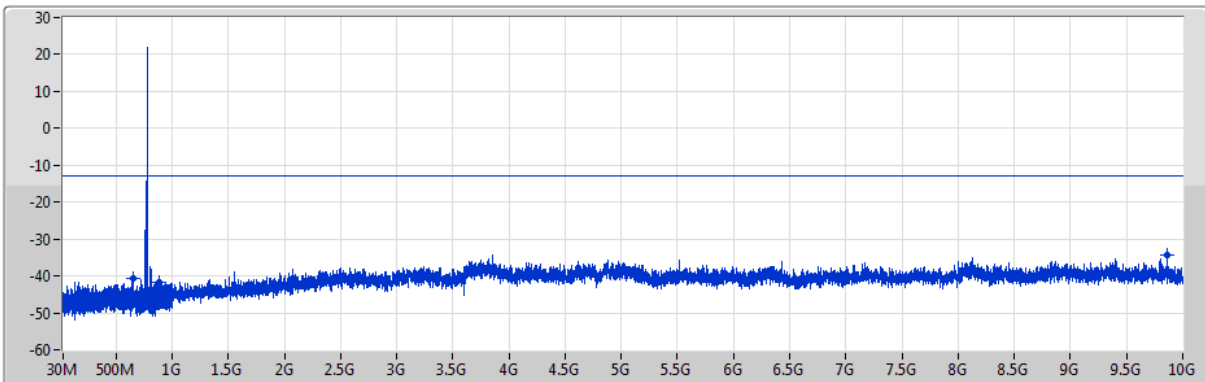
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	479.5M	-41.74	-13.00	-28.74	1	-
887M	1G	1M	3M	Peak	957.46M	-41.79	-13.00	-28.79	1	-
1G	10G	1M	3M	Peak	3.8305G	-35.27	-13.00	-22.27	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz



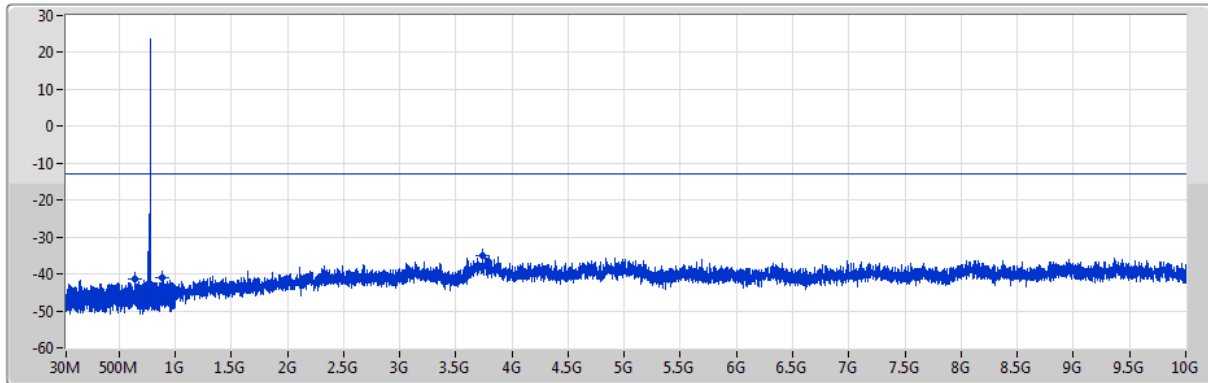
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	648.21M	-40.73	-13.00	-27.73	1	-
887M	1G	1M	3M	Peak	888.13M	-41.77	-13.00	-28.77	1	-
1G	10G	1M	3M	Peak	9.8578G	-34.23	-13.00	-21.23	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz



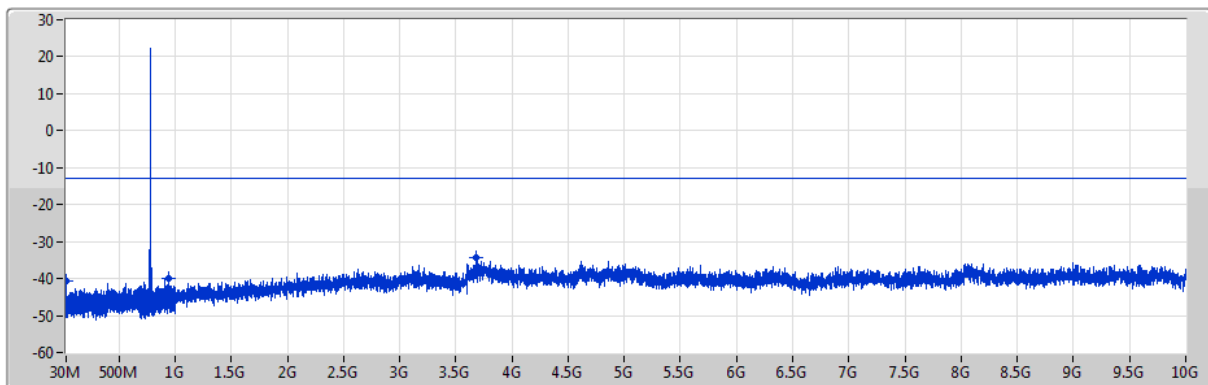
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	639.96M	-41.41	-13.00	-28.41	1	-
887M	1G	1M	3M	Peak	889.6M	-40.90	-13.00	-27.90	1	-
1G	10G	1M	3M	Peak	3.7432G	-34.96	-13.00	-21.96	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz



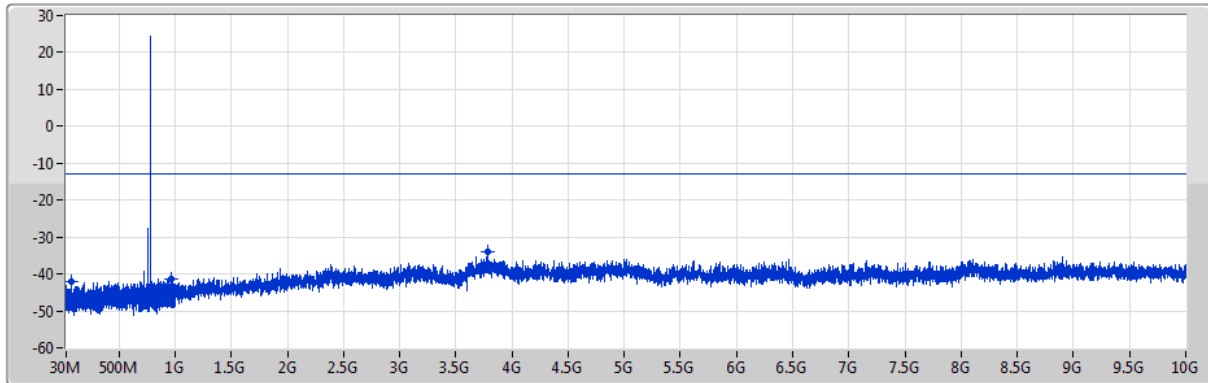
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	32.91M	-40.74	-13.00	-27.74	1	-
887M	1G	1M	3M	Peak	939.09M	-40.12	-13.00	-27.12	1	-
1G	10G	1M	3M	Peak	3.6802G	-34.22	-13.00	-21.22	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz



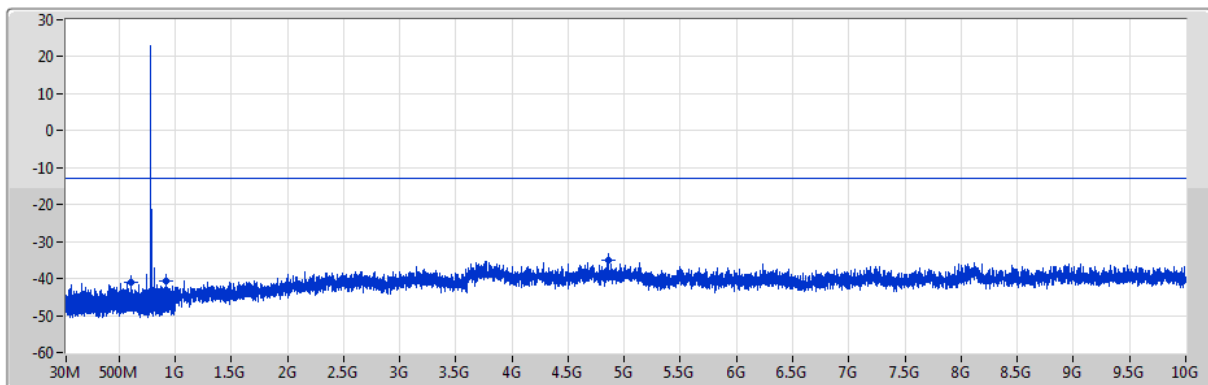
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	71.08M	-42.06	-13.00	-29.06	1	-
887M	1G	1M	3M	Peak	964.29M	-41.40	-13.00	-28.40	1	-
1G	10G	1M	3M	Peak	3.7846G	-33.81	-13.00	-20.81	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz



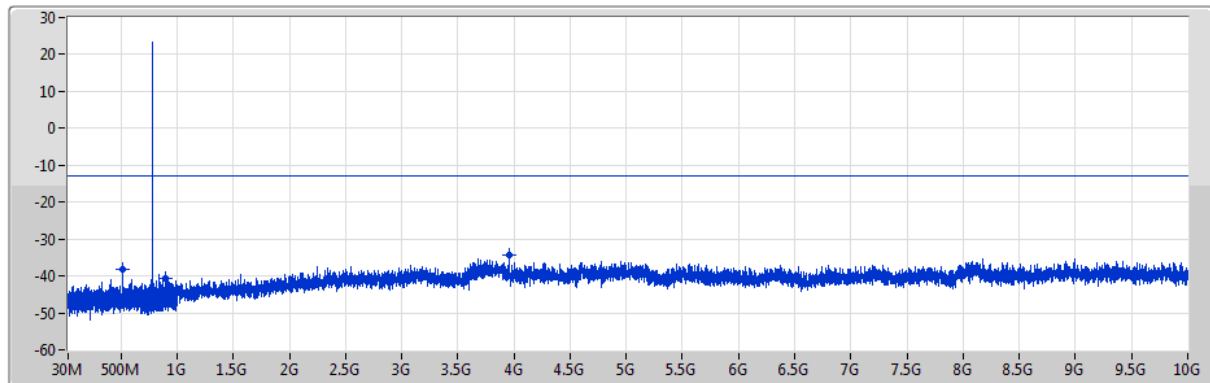
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	604.05M	-40.93	-13.00	-27.93	1	-
887M	1G	1M	3M	Peak	921.75M	-40.73	-13.00	-27.73	1	-
1G	10G	1M	3M	Peak	4.8547G	-34.93	-13.00	-21.93	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz

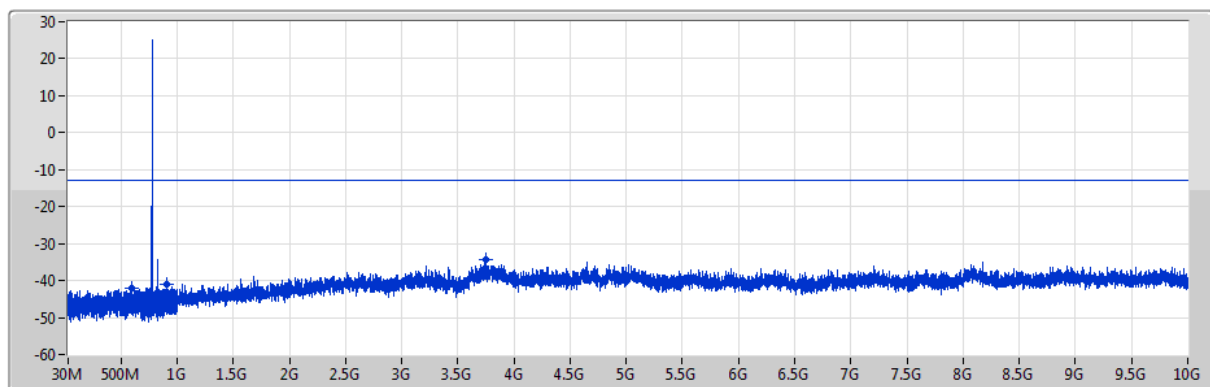


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	513.63M	-38.09	-13.00	-25.09	1	-
887M	1G	1M	3M	Peak	895.98M	-40.77	-13.00	-27.77	1	-
1G	10G	1M	3M	Peak	3.9583G	-34.23	-13.00	-21.23	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	677M	1M	3M	Peak	597.58M	-42.17	-13.00	-29.17	1	-
887M	1G	1M	3M	Peak	913.33M	-40.90	-13.00	-27.90	1	-
1G	10G	1M	3M	Peak	3.7495G	-34.39	-13.00	-21.39	1	-

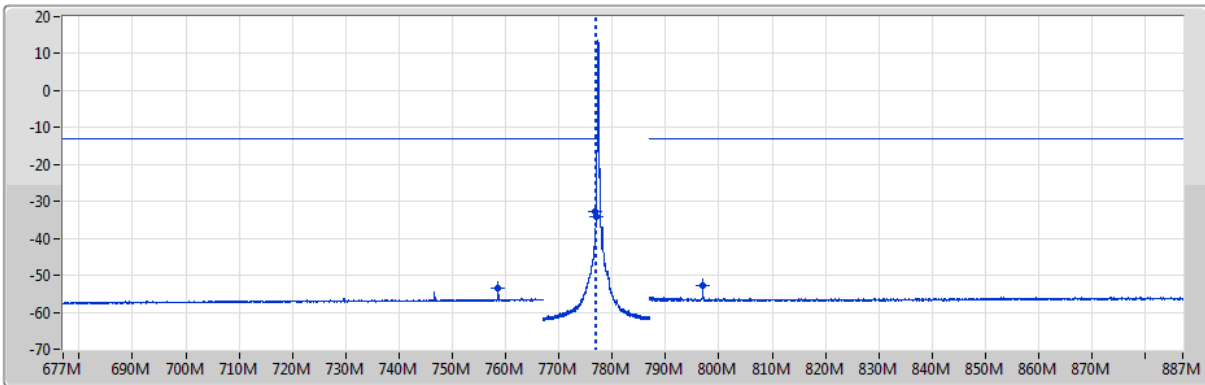
**Summary**

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 13	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	787.1M	797M	30k	100k	RMS	787.15M	-30.78	-13.00	-17.78	1	MBW 100k	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	763M	775M	10k	30k	RMS	767.01M	-55.62	-35.00	-20.62	1	-	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	763M	775M	10k	30k	RMS	766.58M	-55.60	-35.00	-20.60	1	-	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	763M	775M	10k	30k	RMS	766.58M	-55.36	-35.00	-20.36	1	-	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 1,#RB 0,NB 0

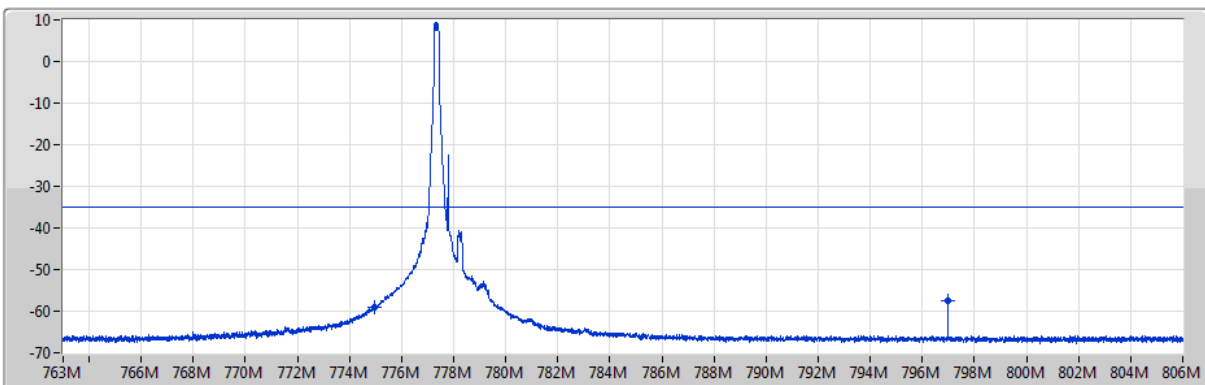


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	767M	100k	300k	RMS	758.59M	-53.65	-13.00	-40.65	1	-
767M	776.9M	30k	100k	RMS	776.85M	-32.87	-13.00	-19.87	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-34.19	-13.00	-21.19	1	-
787M	887M	100k	300k	RMS	796.95M	-52.77	-13.00	-39.77	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 1,#RB 0,NB 0

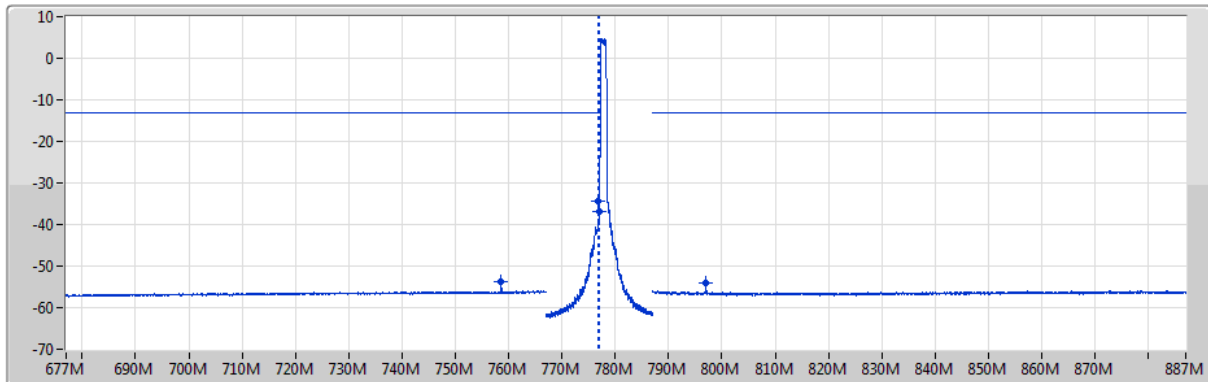


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.98M	-58.95	-35.00	-23.95	1	-
793M	806M	10k	30k	RMS	796.99M	-57.46	-35.00	-22.46	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 6,#RB 0,NB 0



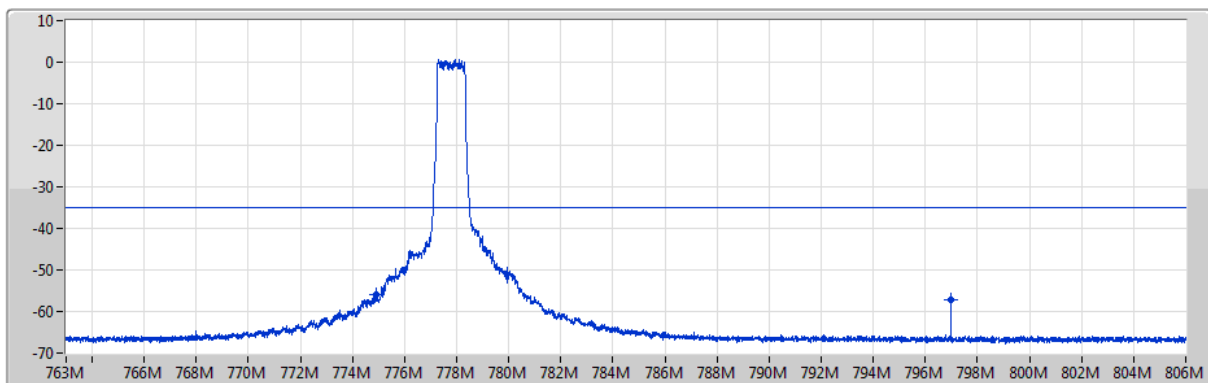
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	767M	100k	300k	RMS	758.59M	-53.78	-13.00	-40.78	1	-
767M	776.9M	30k	100k	RMS	776.85M	-34.38	-13.00	-21.38	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-36.98	-13.00	-23.98	1	-
787M	887M	100k	300k	RMS	797M	-53.91	-13.00	-40.91	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 6,#RB 0,NB 0



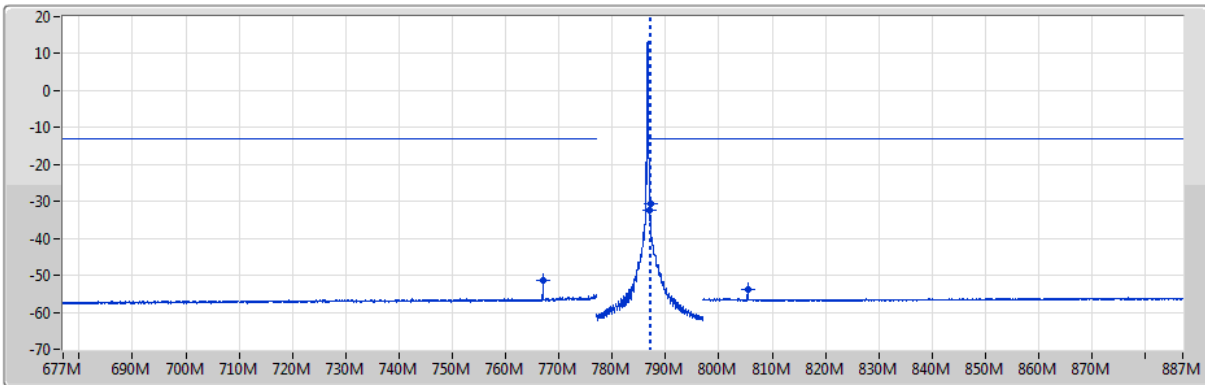
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.92M	-56.06	-35.00	-21.06	1	-
793M	806M	10k	30k	RMS	796.99M	-57.32	-35.00	-22.32	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 1,#RB 5,NB 3



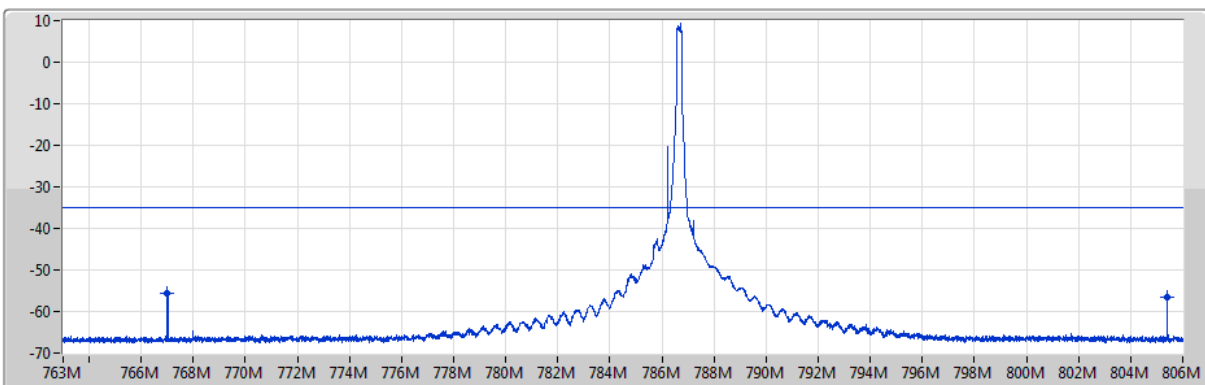
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	767M	-51.48	-13.00	-38.48	1	-
787M	787.1M	30k	100k	RMS	787M	-32.54	-13.00	-19.54	1	-
787.1M	797M	30k	100k	RMS	787.15M	-30.78	-13.00	-17.78	1	MBW 100k
797M	887M	100k	300k	RMS	805.42M	-53.95	-13.00	-40.95	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 1,#RB 5,NB 3



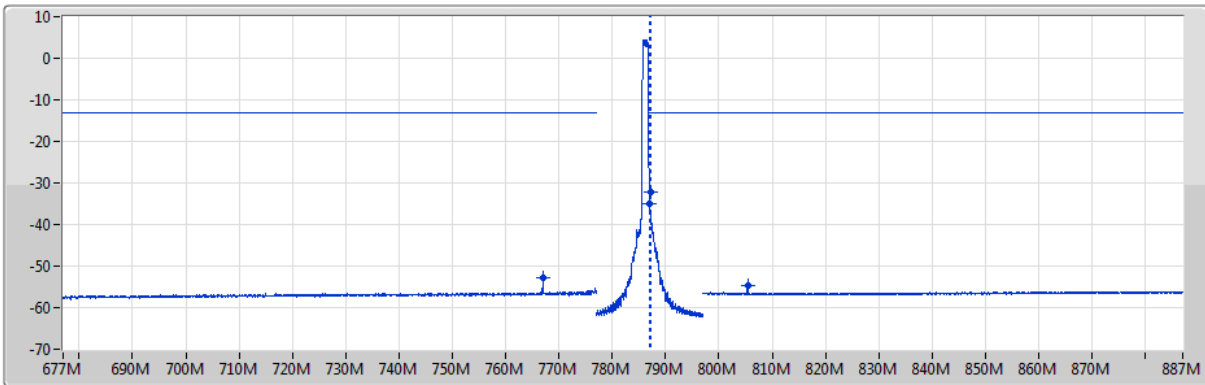
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	767.01M	-55.68	-35.00	-20.68	1	-
793M	806M	10k	30k	RMS	805.41M	-56.65	-35.00	-21.65	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 6,#RB 0,NB 3



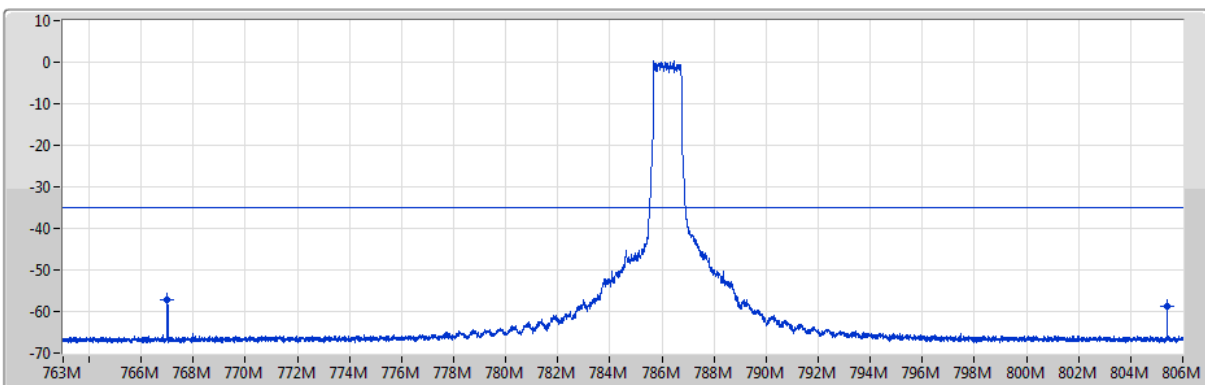
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	767M	-52.93	-13.00	-39.93	1	-
787M	787.1M	30k	100k	RMS	787M	-34.88	-13.00	-21.88	1	-
787.1M	797M	30k	100k	RMS	787.15M	-32.11	-13.00	-19.11	1	MBW 100k
797M	887M	100k	300k	RMS	805.42M	-54.68	-13.00	-41.68	1	-

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 6,#RB 0,NB 3



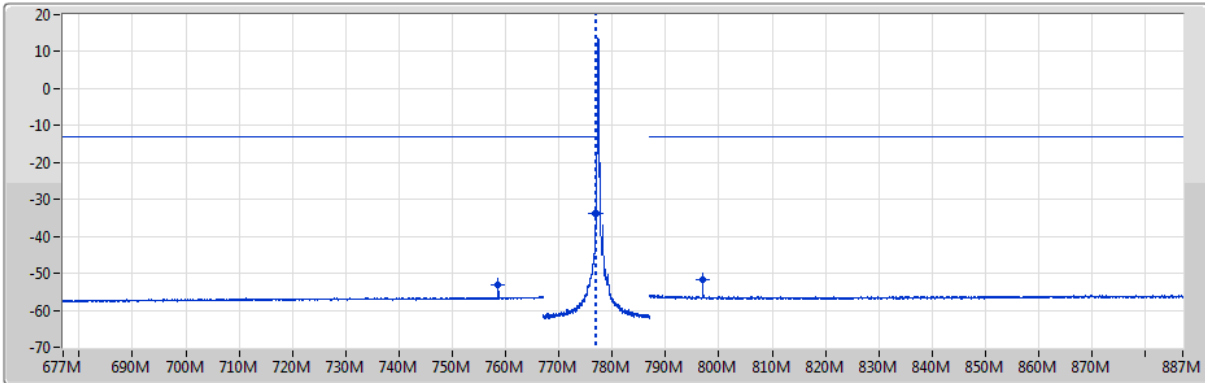
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	767.01M	-57.32	-35.00	-22.32	1	-
793M	806M	10k	30k	RMS	805.41M	-58.61	-35.00	-23.61	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz_16QAM_RB 1,#RB 0,NB 0



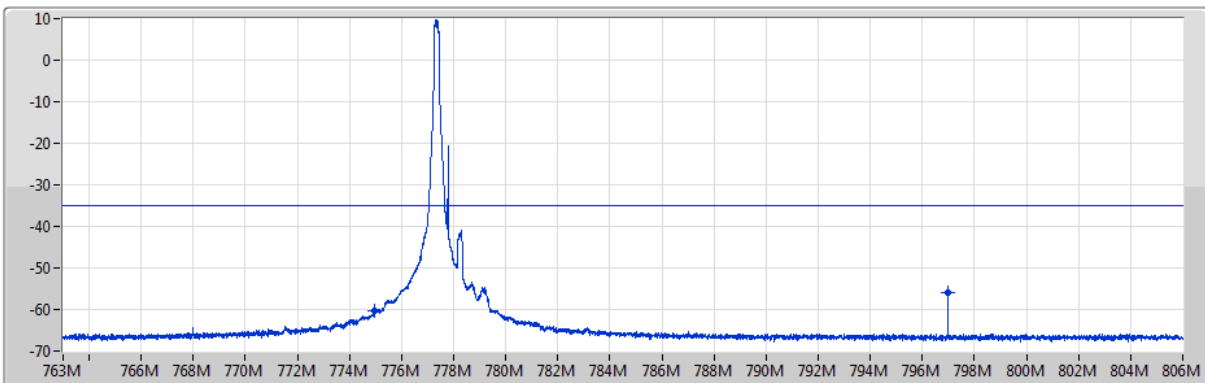
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	767M	100k	300k	RMS	758.59M	-53.18	-13.00	-40.18	1	-
767M	776.9M	30k	100k	RMS	776.85M	-33.63	-13.00	-20.63	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-33.74	-13.00	-20.74	1	-
787M	887M	100k	300k	RMS	797M	-51.58	-13.00	-38.58	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz_16QAM_RB 1,#RB 0,NB 0



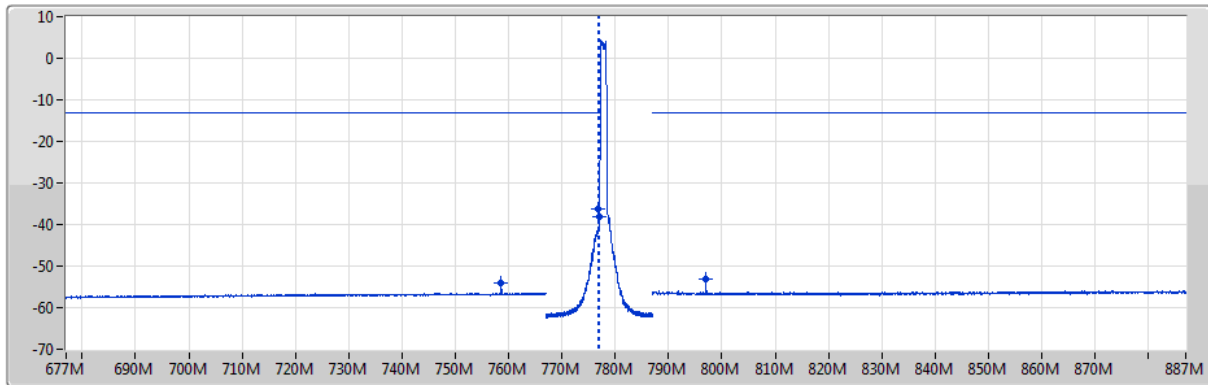
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.96M	-60.25	-35.00	-25.25	1	-
793M	806M	10k	30k	RMS	796.99M	-55.79	-35.00	-20.79	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz_16QAM_RB 6,#RB 0,NB 0



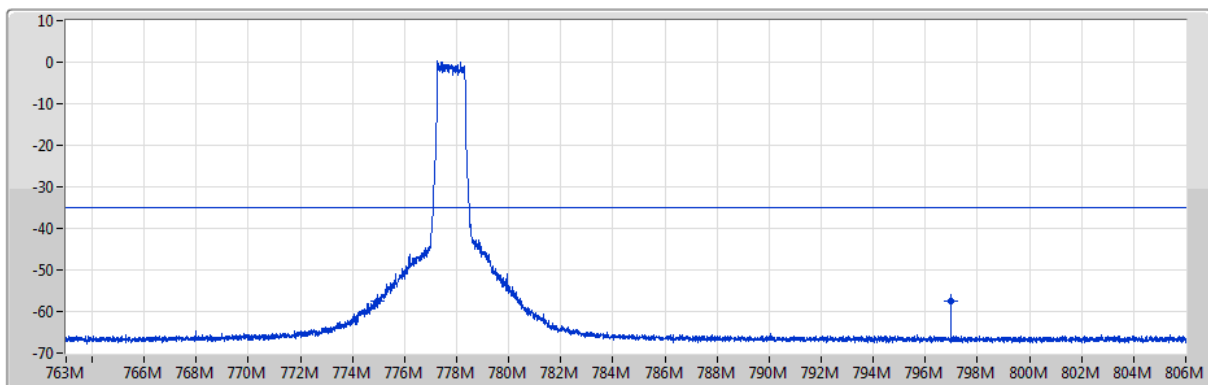
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	767M	100k	300k	RMS	758.59M	-54.20	-13.00	-41.20	1	-
767M	776.9M	30k	100k	RMS	776.85M	-36.14	-13.00	-23.14	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-38.22	-13.00	-25.22	1	-
787M	887M	100k	300k	RMS	797M	-53.13	-13.00	-40.13	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz_16QAM_RB 6,#RB 0,NB 0



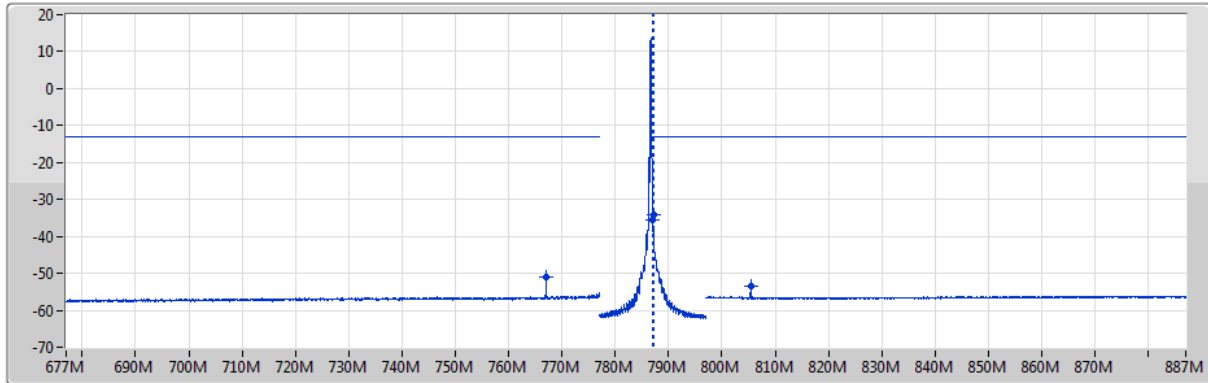
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.96M	-57.46	-35.00	-22.46	1	-
793M	806M	10k	30k	RMS	796.99M	-57.46	-35.00	-22.46	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz_16QAM_RB 1,#RB 5,NB 3



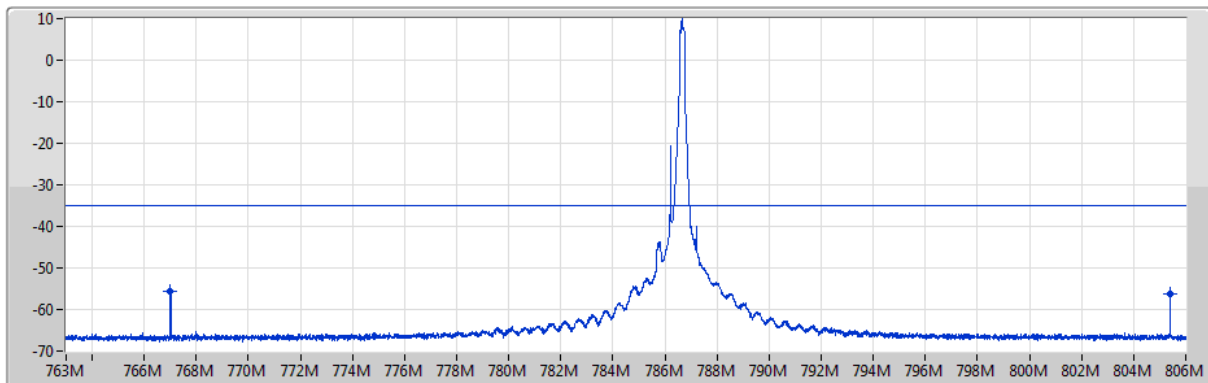
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	767M	-50.92	-13.00	-37.92	1	-
787M	787.1M	30k	100k	RMS	787M	-35.48	-13.00	-22.48	1	-
787.1M	797M	30k	100k	RMS	787.15M	-34.08	-13.00	-21.08	1	MBW 100k
797M	887M	100k	300k	RMS	805.42M	-53.50	-13.00	-40.50	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz_16QAM_RB 1,#RB 5,NB 3



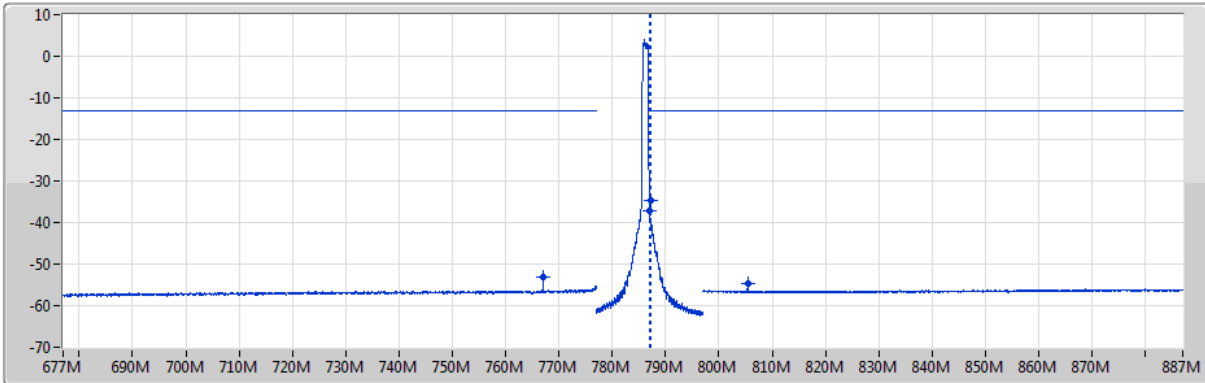
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	767.01M	-55.62	-35.00	-20.62	1	-
793M	806M	10k	30k	RMS	805.41M	-56.16	-35.00	-21.16	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz_16QAM_RB 6,#RB 0,NB 3



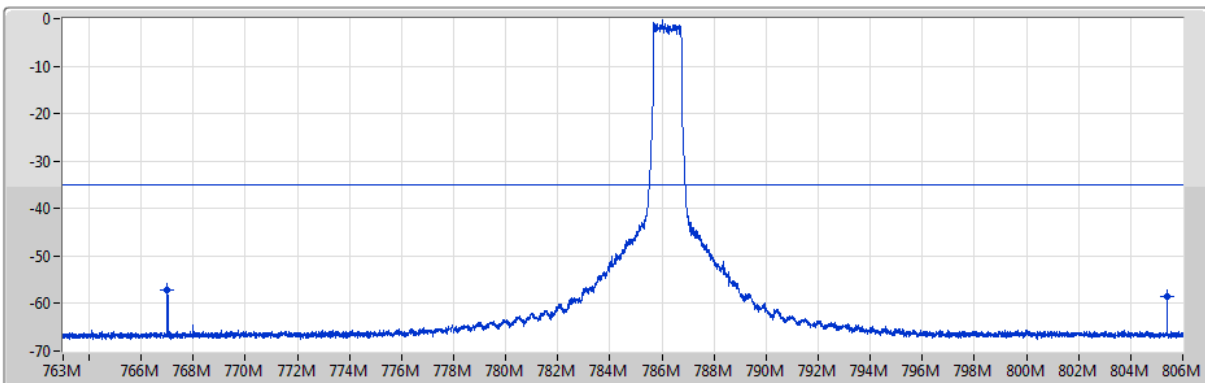
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	767M	-53.08	-13.00	-40.08	1	-
787M	787.1M	30k	100k	RMS	787M	-37.26	-13.00	-24.26	1	-
787.1M	797M	30k	100k	RMS	787.15M	-34.73	-13.00	-21.73	1	MBW 100k
797M	887M	100k	300k	RMS	805.42M	-54.56	-13.00	-41.56	1	-

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz_16QAM_RB 6,#RB 0,NB 3



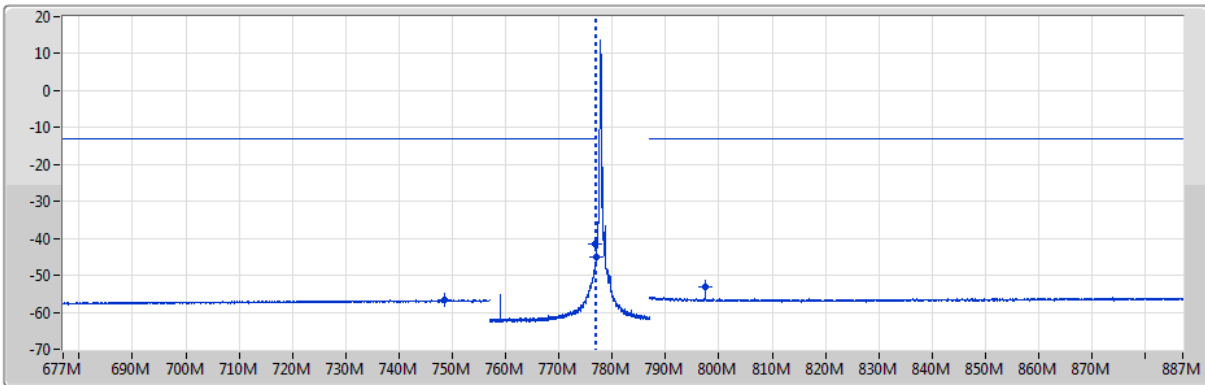
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	767.01M	-57.15	-35.00	-22.15	1	-
793M	806M	10k	30k	RMS	805.41M	-58.54	-35.00	-23.54	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 1,#RB 0,NB 0



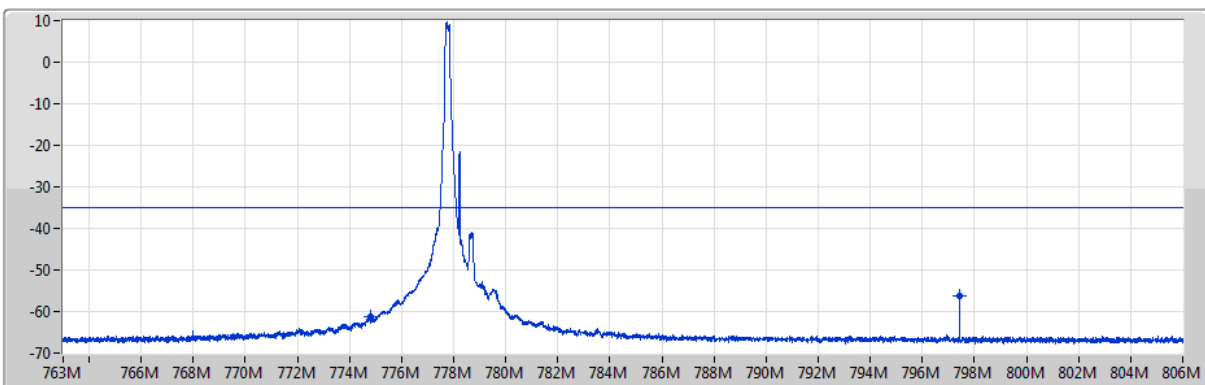
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	757M	100k	300k	RMS	748.56M	-56.70	-13.00	-43.70	1	-
757M	776.9M	30k	100k	RMS	776.85M	-41.58	-13.00	-28.58	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-45.15	-13.00	-32.15	1	-
787M	887M	100k	300k	RMS	797.45M	-53.04	-13.00	-40.04	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 1,#RB 0,NB 0



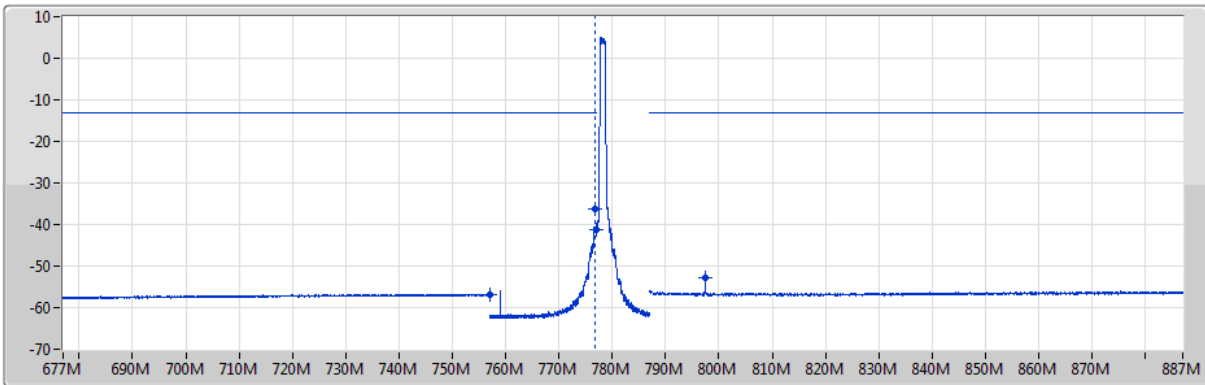
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.82M	-61.34	-35.00	-26.34	1	-
793M	806M	10k	30k	RMS	797.42M	-56.35	-35.00	-21.35	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 6,#RB 0,NB 0



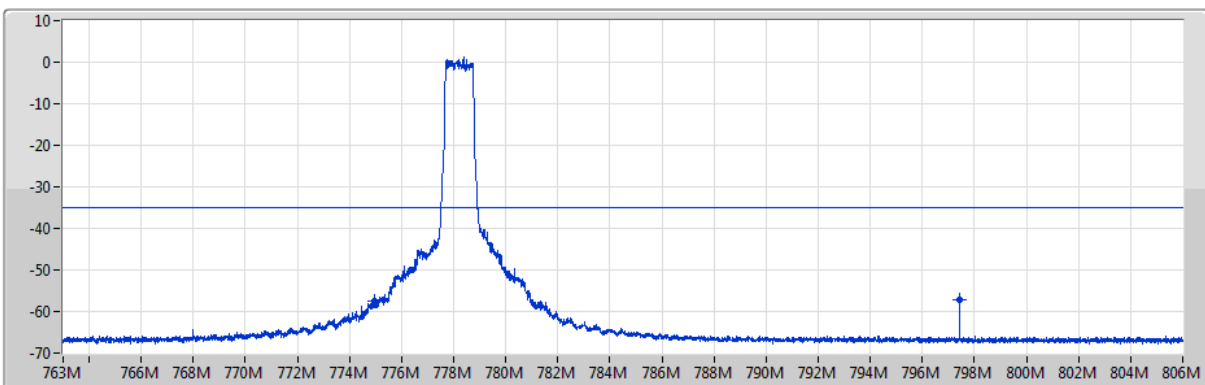
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	757M	100k	300k	RMS	756.96M	-56.77	-13.00	-43.77	1	-
757M	776.9M	30k	100k	RMS	776.75M	-36.10	-13.00	-23.10	1	MBW 100k
776.9M	777M	30k	100k	RMS	776.97M	-41.30	-13.00	-28.30	1	-
787M	887M	100k	300k	RMS	797.4M	-52.82	-13.00	-39.82	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 6,#RB 0,NB 0



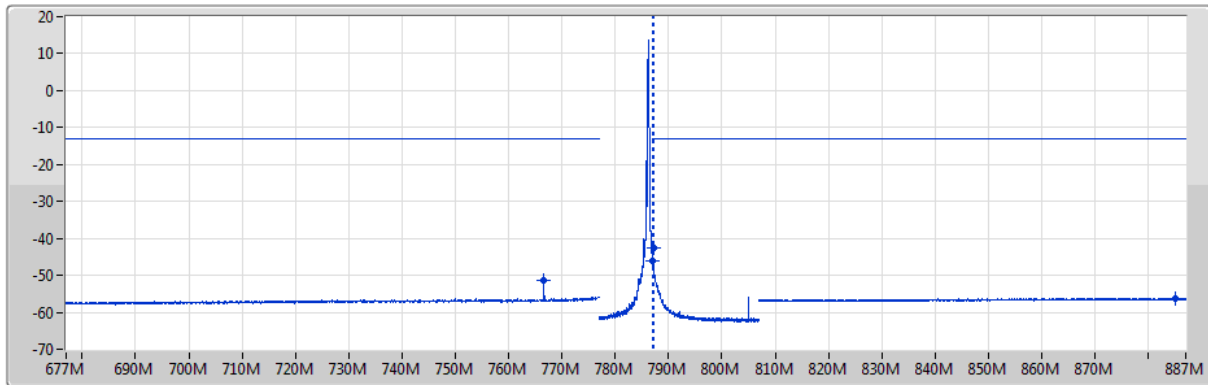
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.98M	-57.35	-35.00	-22.35	1	-
793M	806M	10k	30k	RMS	797.42M	-57.33	-35.00	-22.33	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 1,#RB 5,NB 7



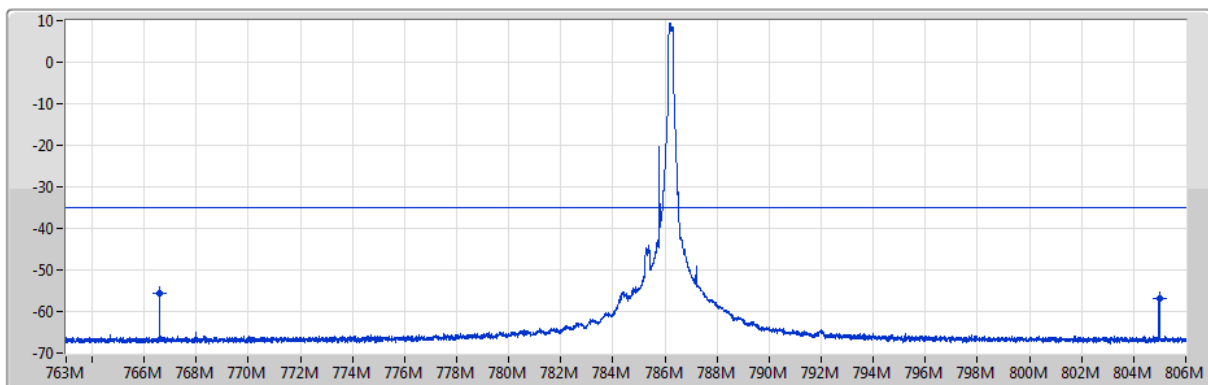
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	766.6M	-51.25	-13.00	-38.25	1	-
787M	787.1M	30k	100k	RMS	787.01M	-46.24	-13.00	-33.24	1	-
787.1M	807M	30k	100k	RMS	787.15M	-42.68	-13.00	-29.68	1	MBW 100k
807M	887M	100k	300k	RMS	885.16M	-56.22	-13.00	-43.22	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 1,#RB 5,NB 7



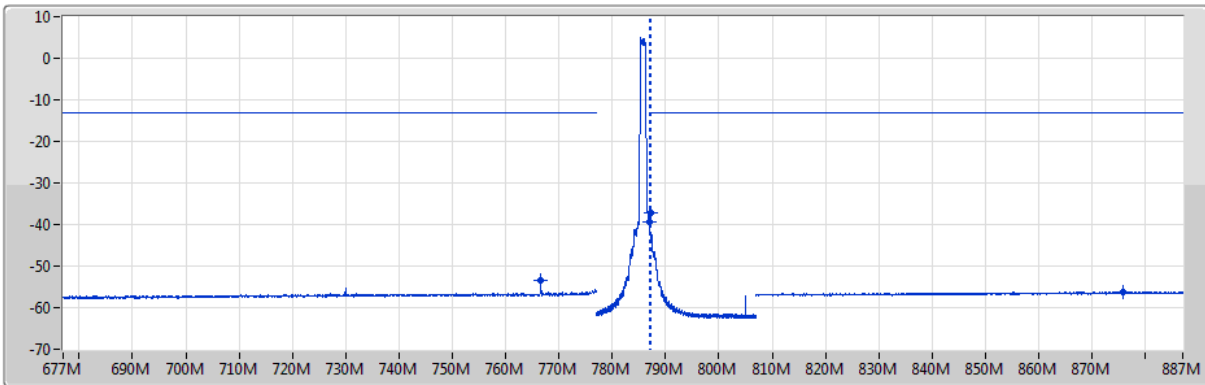
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	766.58M	-55.60	-35.00	-20.60	1	-
793M	806M	10k	30k	RMS	804.98M	-56.85	-35.00	-21.85	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 6,#RB 0,NB 7



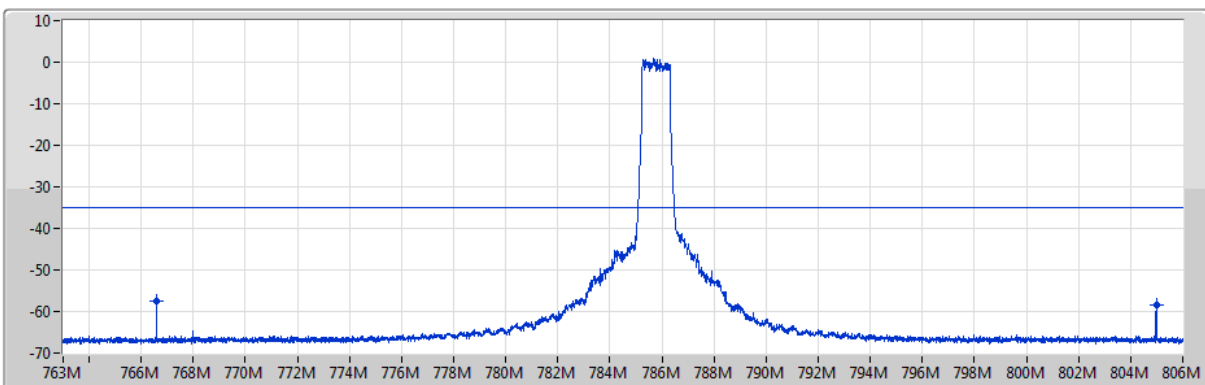
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	766.55M	-53.52	-13.00	-40.52	1	-
787M	787.1M	30k	100k	RMS	787.02M	-39.33	-13.00	-26.33	1	-
787.1M	807M	30k	100k	RMS	787.15M	-37.21	-13.00	-24.21	1	MBW 100k
807M	887M	100k	300k	RMS	875.72M	-56.17	-13.00	-43.17	1	-

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz_QPSK_RB 6,#RB 0,NB 7



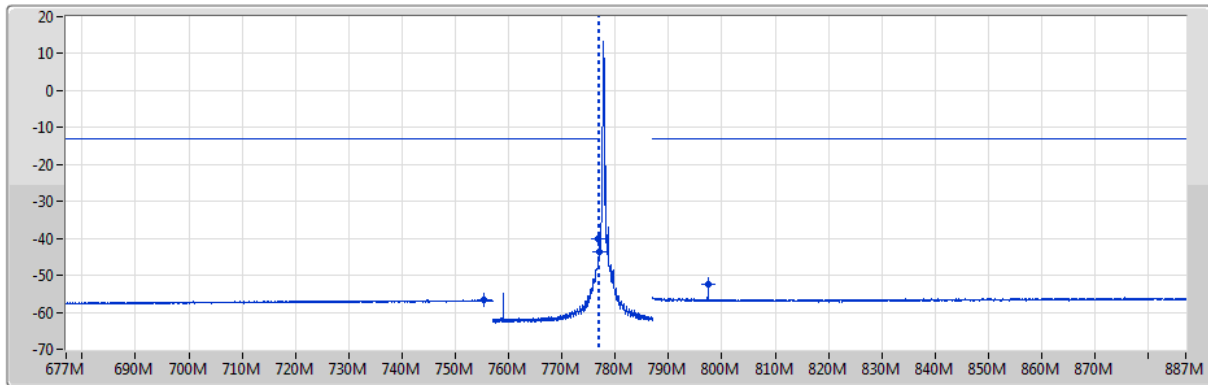
Port 1 

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	766.58M	-57.43	-35.00	-22.43	1	-
793M	806M	10k	30k	RMS	804.98M	-58.35	-35.00	-23.35	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 1,#RB 0,NB 0



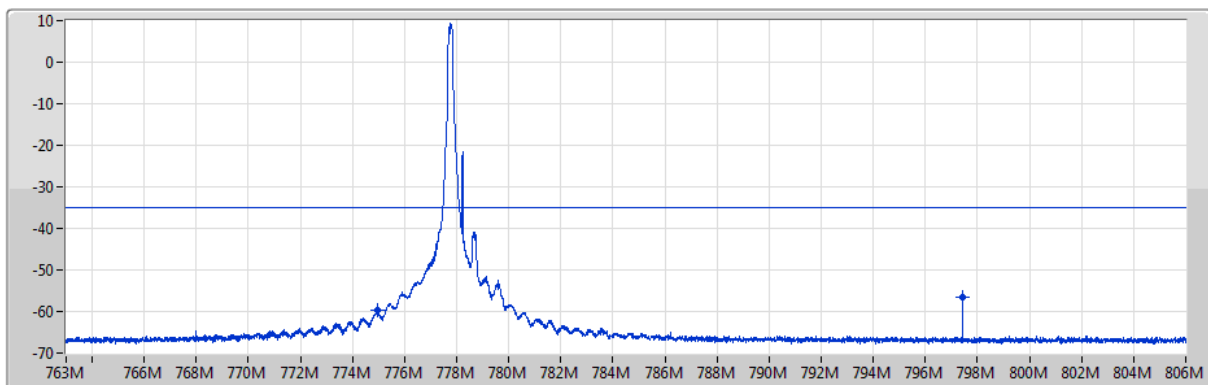
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	757M	100k	300k	RMS	755.28M	-56.70	-13.00	-43.70	1	-
757M	776.9M	30k	100k	RMS	776.85M	-40.28	-13.00	-27.28	1	MBW 100k
776.9M	777M	30k	100k	RMS	777M	-43.53	-13.00	-30.53	1	-
787M	887M	100k	300k	RMS	797.4M	-52.59	-13.00	-39.59	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 1,#RB 0,NB 0



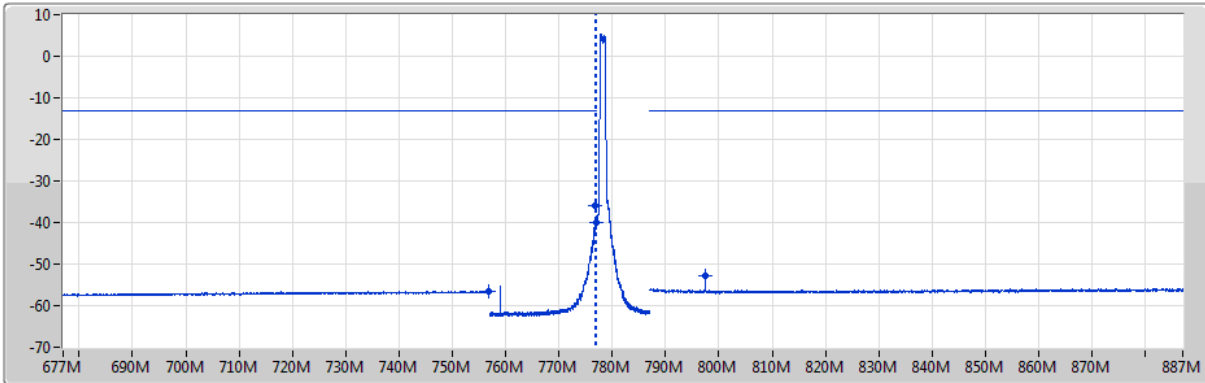
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.95M	-59.80	-35.00	-24.80	1	-
793M	806M	10k	30k	RMS	797.42M	-56.43	-35.00	-21.43	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 6,#RB 0,NB 0



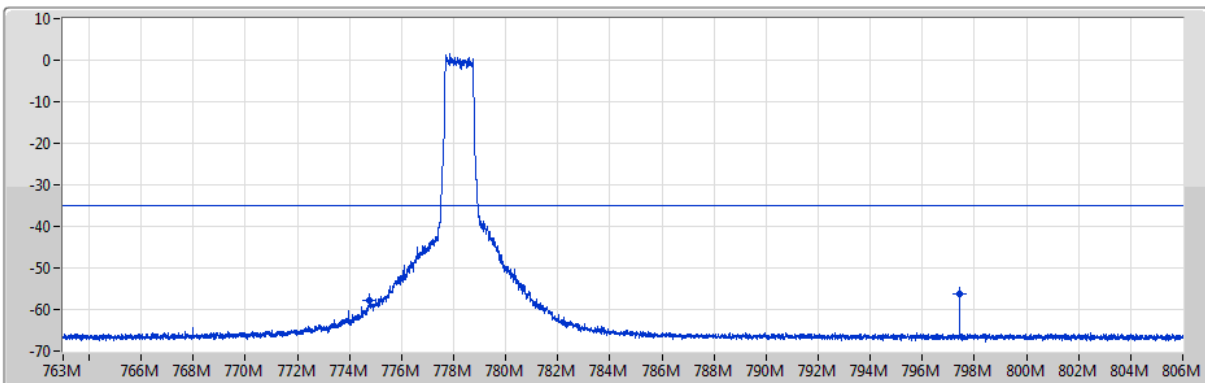
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	757M	100k	300k	RMS	756.88M	-56.61	-13.00	-43.61	1	-
757M	776.9M	30k	100k	RMS	776.85M	-35.94	-13.00	-22.94	1	MBW 100k
776.9M	777M	30k	100k	RMS	776.99M	-40.15	-13.00	-27.15	1	-
787M	887M	100k	300k	RMS	797.4M	-52.68	-13.00	-39.68	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 6,#RB 0,NB 0



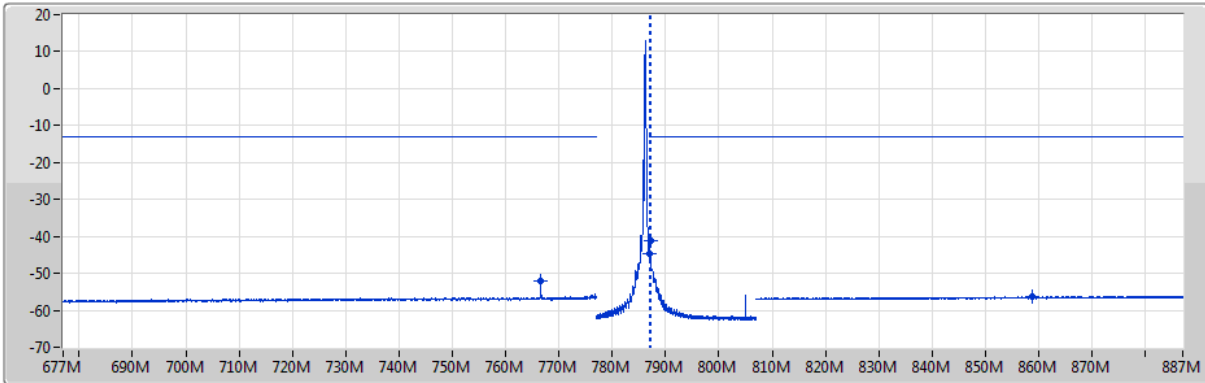
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	774.77M	-57.87	-35.00	-22.87	1	-
793M	806M	10k	30k	RMS	797.42M	-56.20	-35.00	-21.20	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 1,#RB 5,NB 7



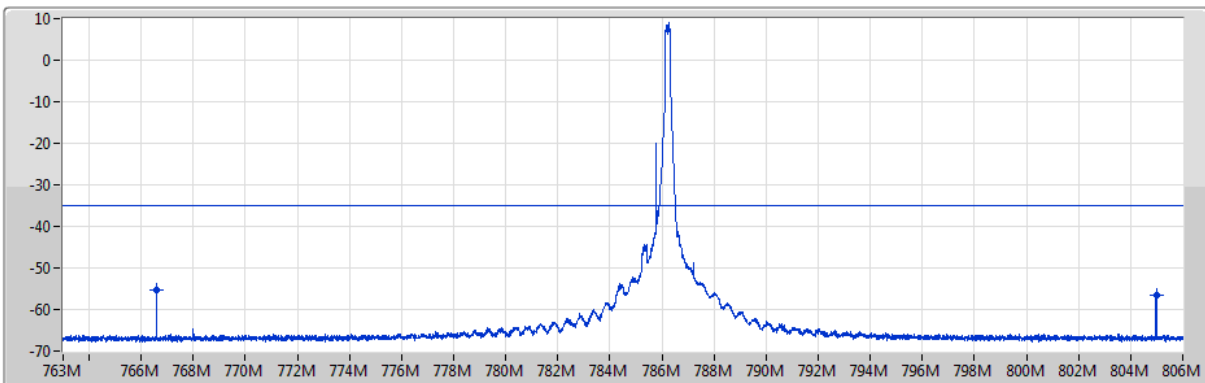
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	766.55M	-52.00	-13.00	-39.00	1	-
787M	787.1M	30k	100k	RMS	787M	-44.76	-13.00	-31.76	1	-
787.1M	807M	30k	100k	RMS	787.15M	-41.19	-13.00	-28.19	1	MBW 100k
807M	887M	100k	300k	RMS	858.88M	-56.21	-13.00	-43.21	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 1,#RB 5,NB 7



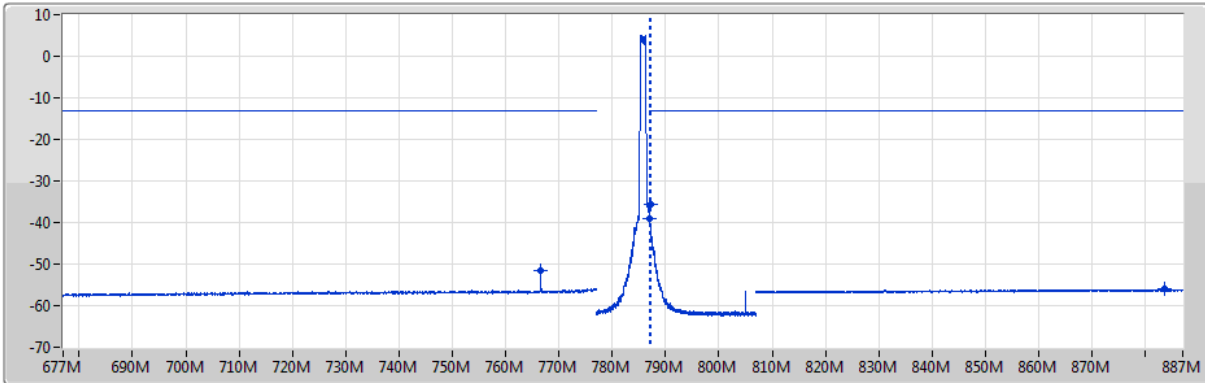
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	766.58M	-55.36	-35.00	-20.36	1	-
793M	806M	10k	30k	RMS	804.98M	-56.54	-35.00	-21.54	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 6,#RB 0,NB 7



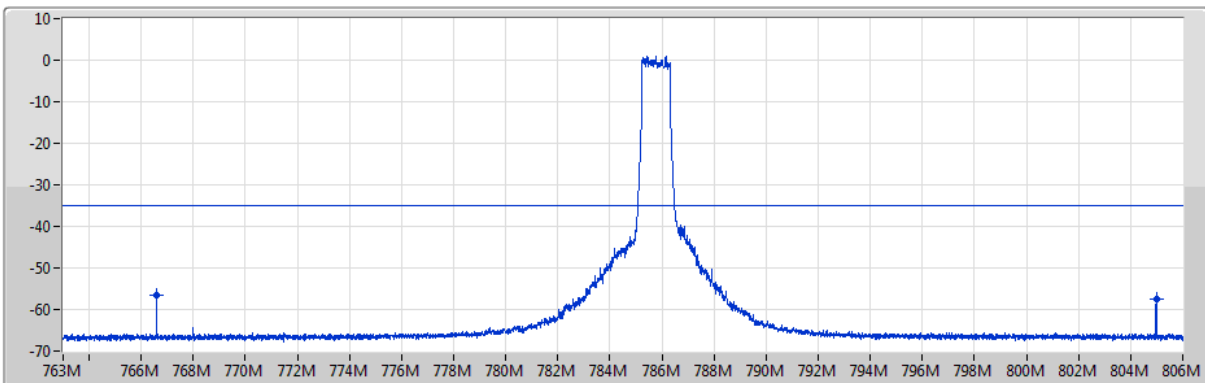
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
677M	777M	100k	300k	RMS	766.6M	-51.64	-13.00	-38.64	1	-
787M	787.1M	30k	100k	RMS	787M	-39.12	-13.00	-26.12	1	-
787.1M	807M	30k	100k	RMS	787.15M	-35.59	-13.00	-22.59	1	MBW 100k
807M	887M	100k	300k	RMS	883.56M	-56.05	-13.00	-43.05	1	-

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz_16QAM_RB 6,#RB 0,NB 7



Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
763M	775M	10k	30k	RMS	766.58M	-56.57	-35.00	-21.57	1	-
793M	806M	10k	30k	RMS	804.98M	-57.39	-35.00	-22.39	1	-

**Summary**

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 13	-	-	-	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	1.238M	1.086M	1M09G7D	1.219M	1.072M
LTE-M1_5MHz_Nss1,16QAM_1TX	1.281M	1.089M	1M09W7D	1.263M	1.08M
LTE-M1_10MHz_Nss1,QPSK_1TX	1.25M	1.094M	1M09G7D	1.25M	1.093M
LTE-M1_10MHz_Nss1,16QAM_1TX	1.263M	1.092M	1M09W7D	1.263M	1.091M

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**

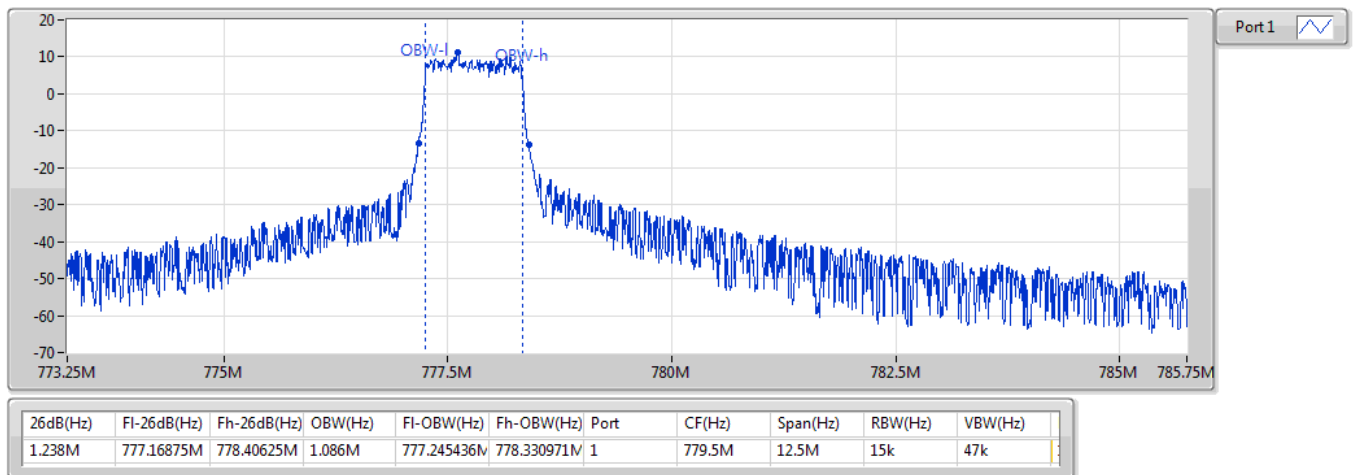
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 13_LTE-M1_5MHz_Nss1_1TX	-	-	-	-
779.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.238M	1.086M
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.238M	1.083M
784.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	Inf	1.219M	1.072M
779.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.263M	1.087M
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.281M	1.089M
784.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	Inf	1.275M	1.08M
Band 13_LTE-M1_10MHz_Nss1_1TX	-	-	-	-
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.25M	1.094M
782MHz_QPSK_RB 6,#RB 0,NB 7	Pass	Inf	1.25M	1.093M
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	Inf	1.263M	1.092M
782MHz_16QAM_RB 6,#RB 0,NB 7	Pass	Inf	1.263M	1.091M

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

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

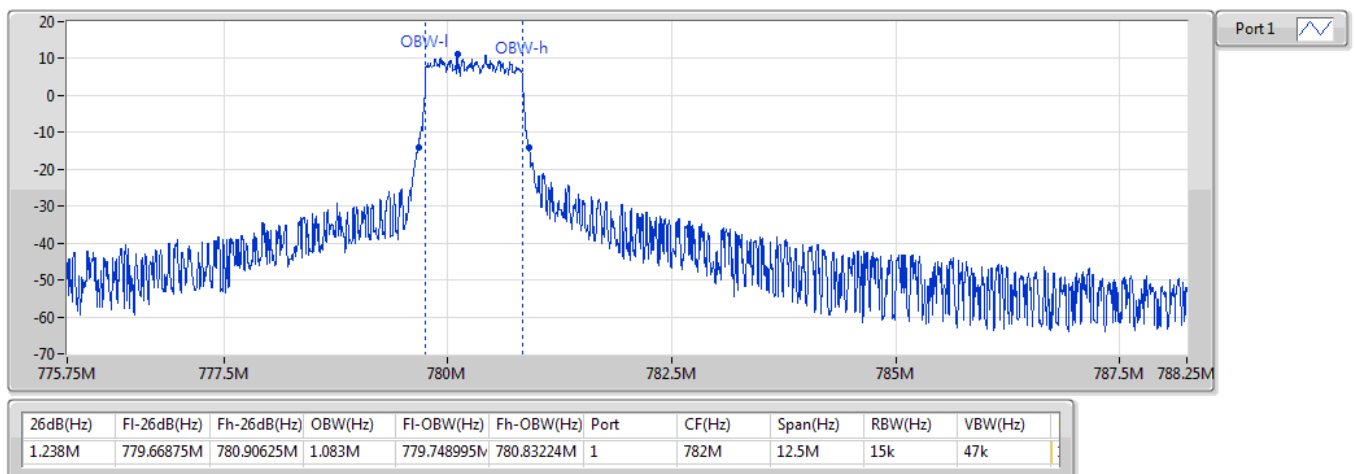
779.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

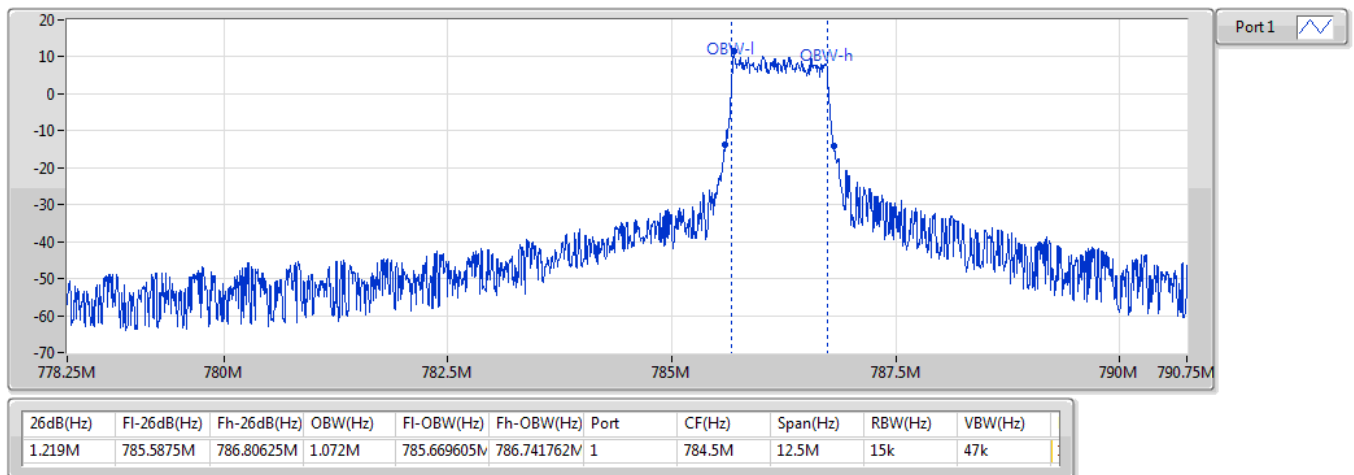
782MHz_QPSK_RB 6,#RB 0,NB 0



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

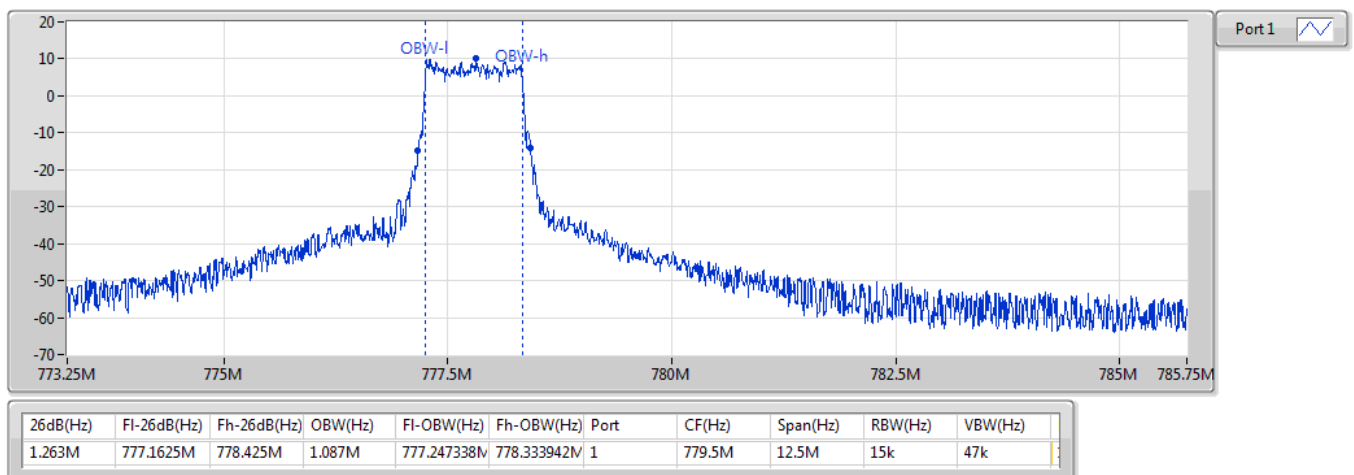
784.5MHz_QPSK_RB 6,#RB 0,NB 3



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

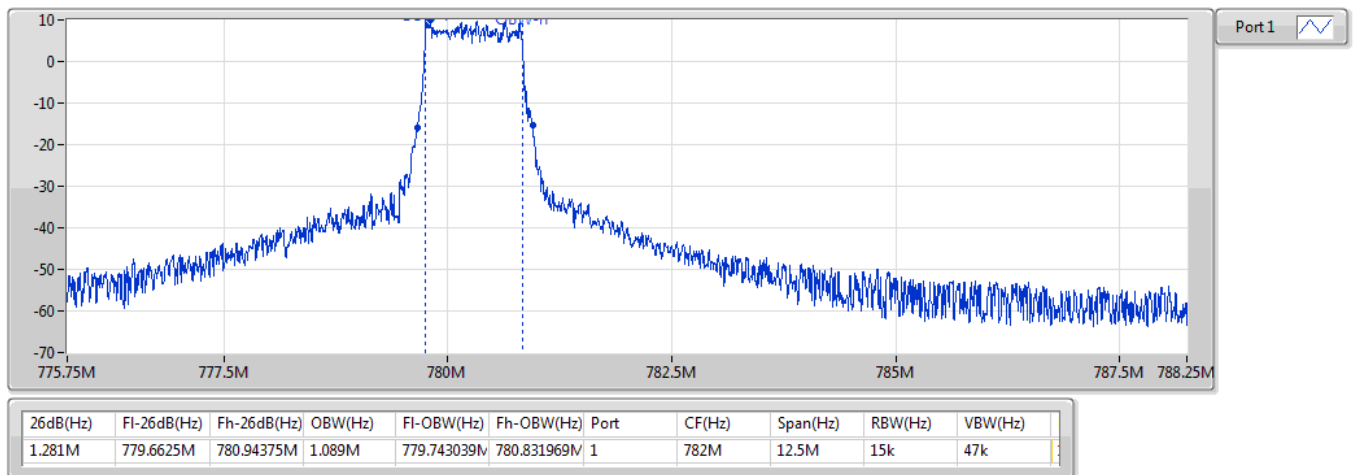
EBW

779.5MHz_16QAM_RB 6,#RB 0,NB 0



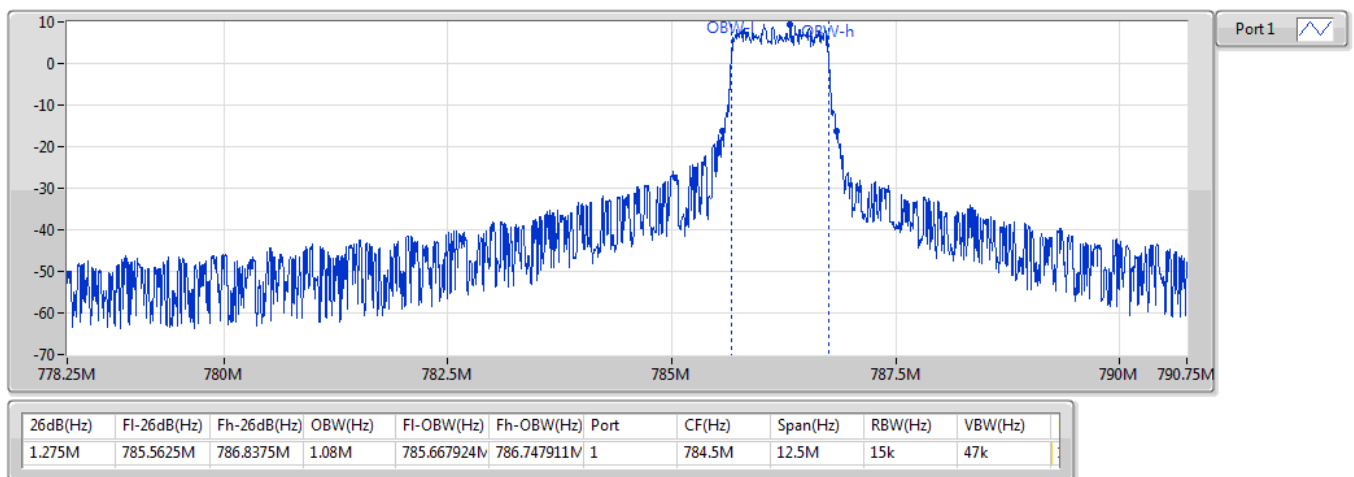
Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

EBW



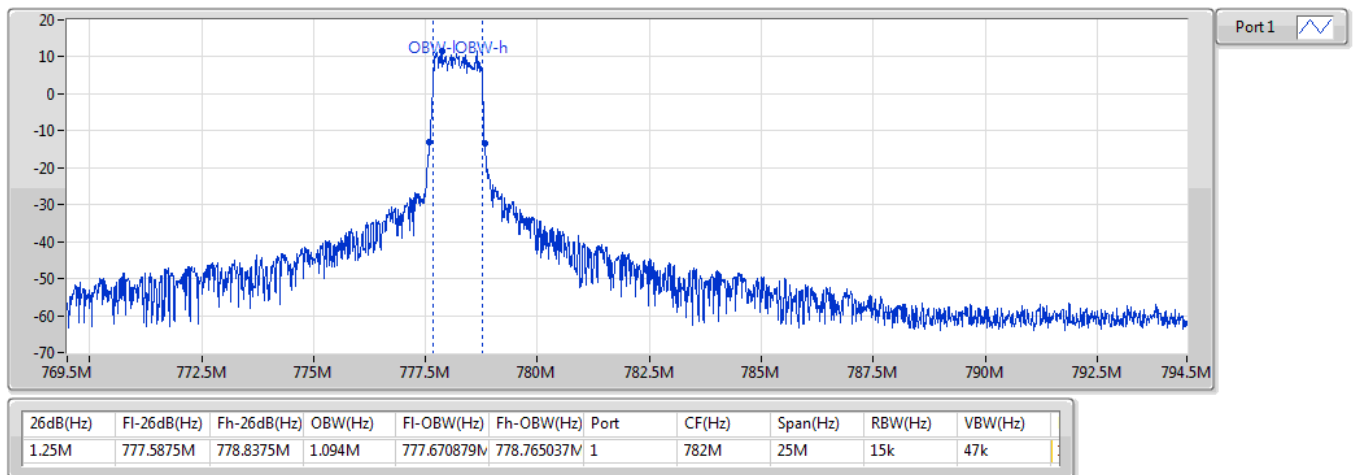
Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 6,#RB 0,NB 3

EBW



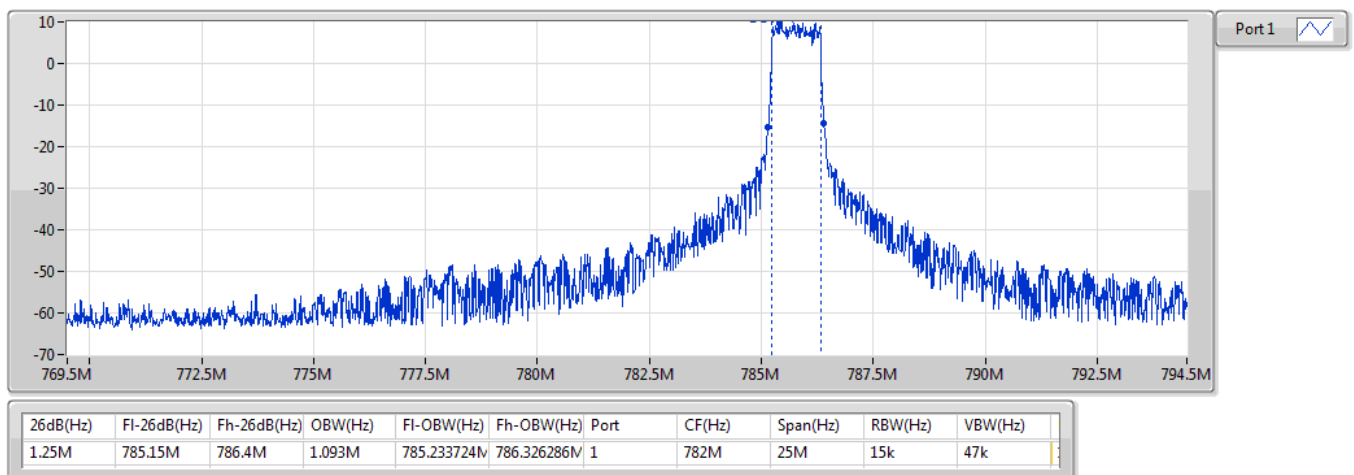
Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

EBW



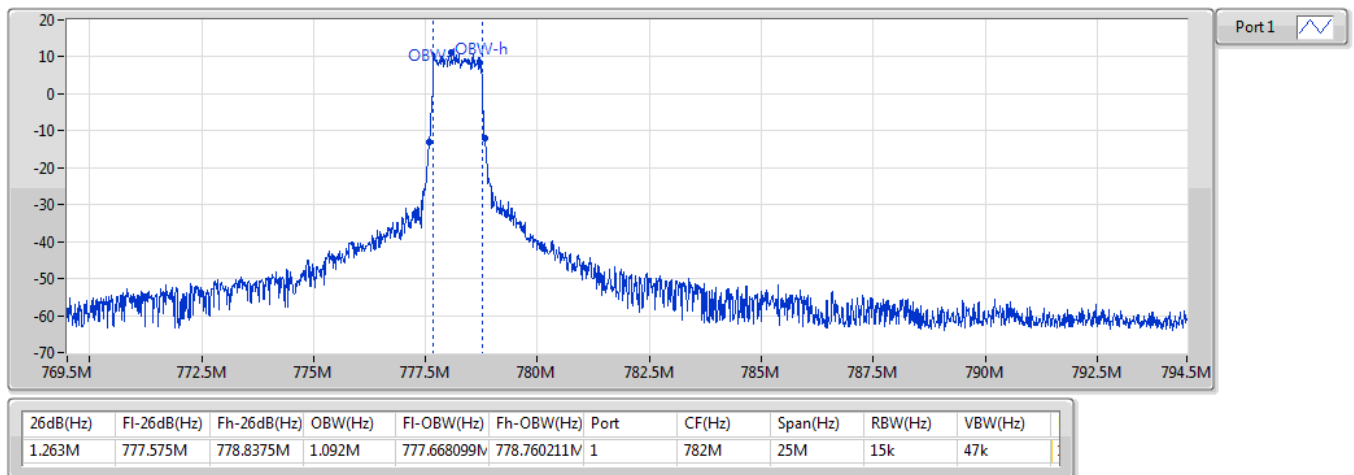
Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 7

EBW



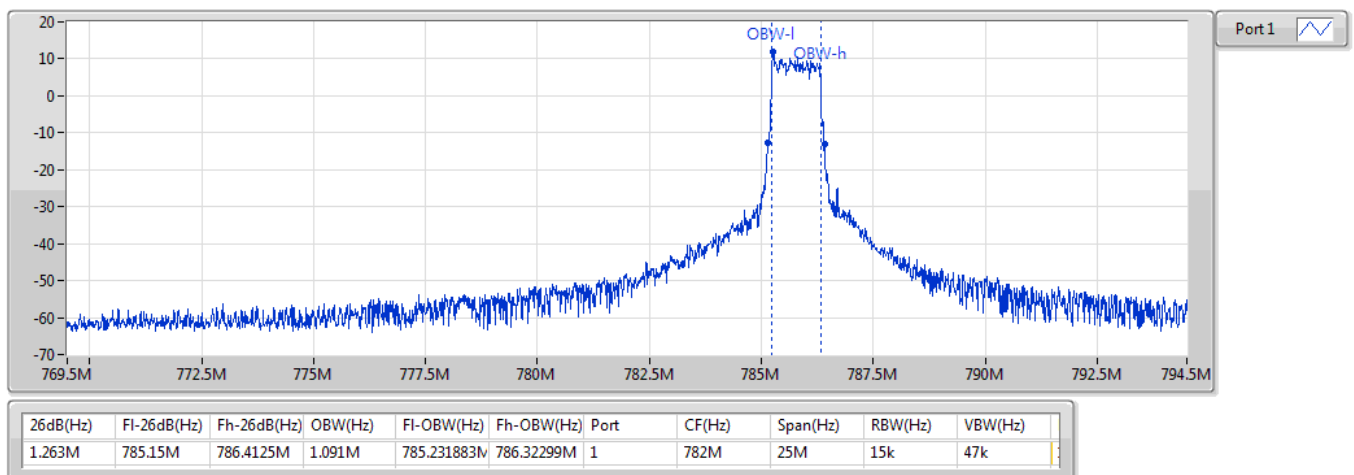
Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

EBW



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 7

EBW





Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 13	-	-	-	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	782	13.00	5.36	1
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	784.5	13.00	6.18	1
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	782	13.00	5.36	1
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	782	13.00	5.90	1

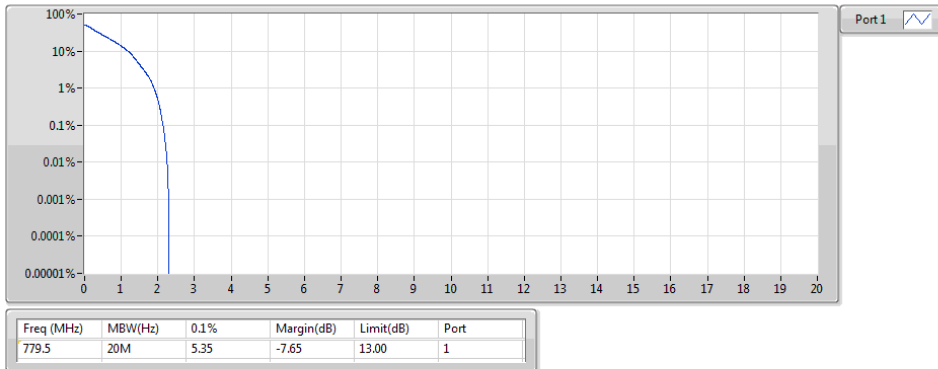
**Result**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 13_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-
779.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	779.5	13.00	5.35	1
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	782	13.00	5.36	1
784.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	784.5	13.00	5.07	1
779.5MHz_16QAM_RB 6,#RB 0,NB 0	Pass	779.5	13.00	6.03	1
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	782	13.00	6.16	1
784.5MHz_16QAM_RB 6,#RB 0,NB 3	Pass	784.5	13.00	6.18	1
Band 13_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-
782MHz_QPSK_RB 6,#RB 0,NB 0	Pass	782	13.00	5.36	1
782MHz_16QAM_RB 6,#RB 0,NB 0	Pass	782	13.00	5.90	1

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

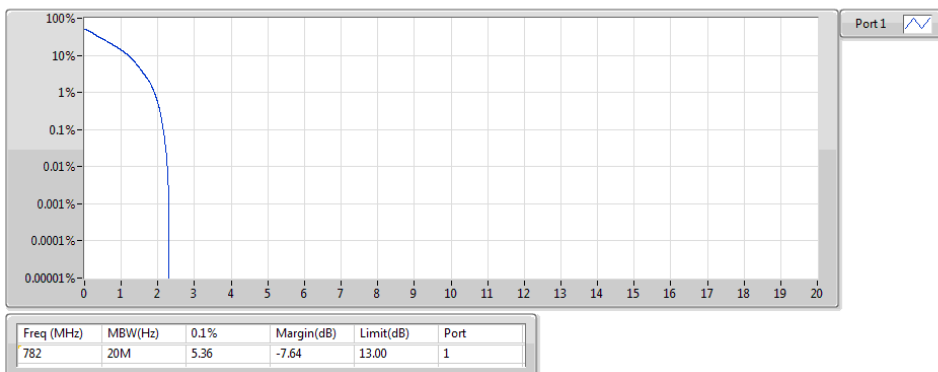
779.5MHz_QPSK_RB 6,#RB 0,NB 0



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

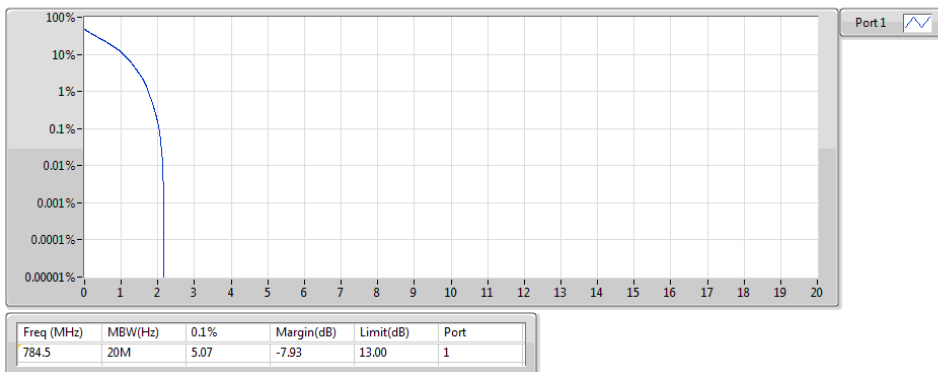
782MHz_QPSK_RB 6,#RB 0,NB 0



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

PAR

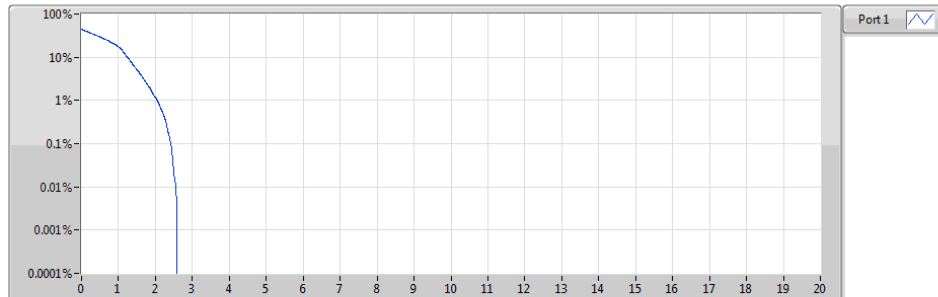
784.5MHz_QPSK_RB 6,#RB 0,NB 3



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

779.5MHz_16QAM_RB 6,#RB 0,NB 0

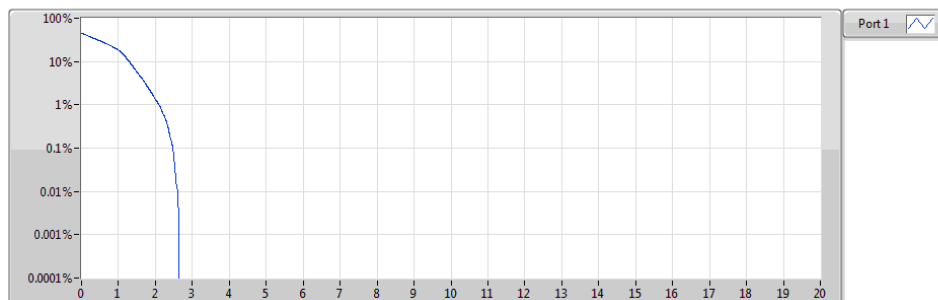


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
779.5	20M	6.03	-6.97	13.00	1

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

782MHz_16QAM_RB 6,#RB 0,NB 0

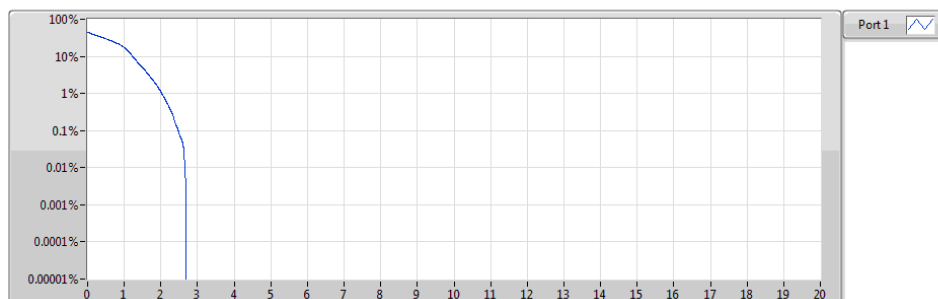


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
782	20M	6.16	-6.84	13.00	1

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

PAR

784.5MHz_16QAM_RB 6,#RB 0,NB 3

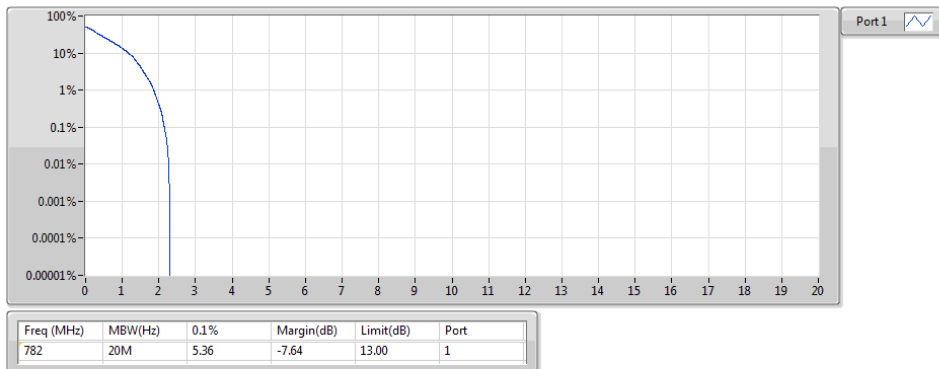


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
784.5	20M	6.18	-6.82	13.00	1

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

PAR

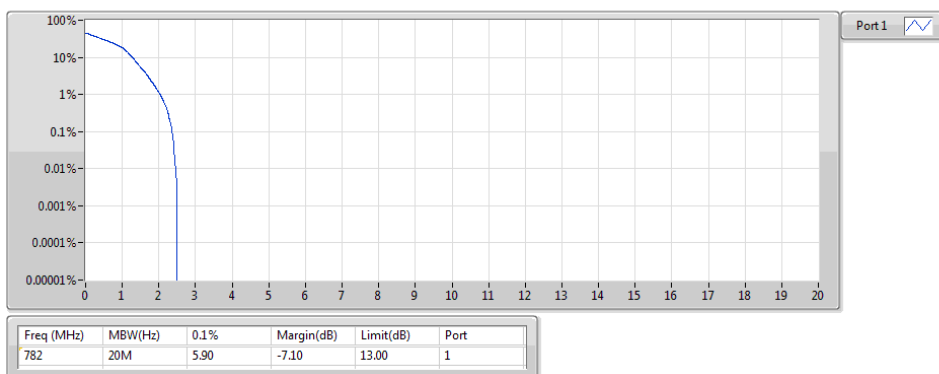
782MHz_QPSK_RB 6,#RB 0,NB 0



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

PAR

782MHz_16QAM_RB 6,#RB 0,NB 0



CB: 5MHz				
Temperature (°C)	779.5MHz		784.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°C Vmax	0.010	777.245451	0.009	786.747918
T20°C Vmin	0.009	777.245452	0.010	786.747919
T60°C Vnom	0.023	777.245453	0.019	786.747926
T50°C Vnom	0.013	777.245454	0.017	786.747924
T40°C Vnom	0.010	777.245455	0.011	786.747920
T30°C Vnom	0.009	777.245456	0.010	786.747919
T20°C Vnom	0.009	777.245457	0.009	786.747918
T10°C Vnom	-0.013	777.245458	-0.014	786.747900
T0°C Vnom	-0.014	777.245459	-0.015	786.747899
T-10°C Vnom	-0.017	777.245460	-0.014	786.747900
T-20°C Vnom	-0.021	777.245461	-0.019	786.747896
T-30°C Vnom	-0.019	777.245462	-0.022	786.747894
Limit	>776MHz		<788MHz	

CB: 10MHz				
Temperature (°C)	782MHz		782MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°C Vmax	0.009	777.668140	0.010	786.326294
T20°C Vmin	0.012	777.668141	0.012	786.326295
T60°C Vnom	0.022	777.668142	0.018	786.326300
T50°C Vnom	0.017	777.668143	0.015	786.326298
T40°C Vnom	0.013	777.668144	0.010	786.326294
T30°C Vnom	0.010	777.668145	0.012	786.326295
T20°C Vnom	0.009	777.668146	0.010	786.326294
T10°C Vnom	-0.012	777.668147	-0.015	786.326274
T0°C Vnom	-0.015	777.668148	-0.017	786.326273
T-10°C Vnom	-0.018	777.668149	-0.019	786.326271
T-20°C Vnom	-0.017	777.668150	-0.018	786.326272
T-30°C Vnom	-0.023	777.668151	-0.020	786.326270
Limit	>776MHz		<788MHz	