

FCC Test Report

FCC ID : RF41539B
Equipment : Handheld Terminal
Model No. : DX-A600
Brand Name : KEYENCE
Applicant : KEYENCE CORPORATION
Address : 1-3-14 HIGASHI-NAKAJIMA,
HIGASHI-YODOGAWA-KU, OSAKA, JAPAN
Standard : 47 CFR FCC Part 27
Received Date : Jun. 21, 2021
Tested Date : Jul. 23 ~ Aug. 11, 2021

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

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



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APPENDIX A TEST RESULTS FOR EFFECTIVE ISOTROPICALLY RADIATED POWER

APPENDIX B TEST RESULTS FOR RADIATED EMISSIONS

APPENDIX C.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

APPENDIX C.2 TEST RESULTS FOR BAND EDGE

APPENDIX D TEST RESULTS FOR OCCUPIED AND 26dB BANDWIDTH

APPENDIX E TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX F TEST RESULTS FOR FREQUENCY STABILITY

Release Record

Report No.	Version	Description	Issued Date
FG162104P27	Rev. 01	Initial issue	Nov. 16, 2021

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 27.50(d)(4)	Equivalent Isotropically Radiated Power	Power[dBm]: 25.86	Pass
2.1053 / 27.53(h)	Radiated Emissions	Meet the requirement of limit	Pass
2.1051 / 27.53(h)	Conducted Emissions	Meet the requirement of limit	Pass
27.53(h)	Band Edge Measurement	Meet the requirement of limit	Pass
2.1049 / 27.53(h)	Occupied Bandwidth	Meet the requirement of limit	Pass
27.50(d)(5)	Peak to Average Ratio	Meet the requirement of limit	Pass
2.1055 / 27.54	Frequency Stability	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

Operating Frequency	LTE Band 4: 1710 MHz ~ 1755 MHz
Modulation	QPSK, 16QAM (Uplink)

1.1.2 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remark
1	PIFA	2.74	No	---

1.1.3 Power Supply Type of Equipment under Test (EUT)

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

1.1.4 Accessories

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

1.1.5 Maximum EIRP and Emission Designator

Mode	Maximum EIRP (W)	Emission Designator
LTE_1.4MHz_Nss1,QPSK_1TX	0.385	1M08G7D
LTE_1.4MHz_Nss1,16QAM_1TX	0.320	1M08W7D
LTE_3MHz_Nss1,QPSK_1TX	0.372	2M67G7D
LTE_3MHz_Nss1,16QAM_1TX	0.311	2M67W7D
LTE_5MHz_Nss1,QPSK_1TX	0.383	4M46G7D
LTE_5MHz_Nss1,16QAM_1TX	0.323	4M47W7D
LTE_10MHz_Nss1,QPSK_1TX	0.380	8M93G7D
LTE_10MHz_Nss1,16QAM_1TX	0.319	8M93W7D
LTE_15MHz_Nss1,QPSK_1TX	0.385	13M4G7D
LTE_15MHz_Nss1,16QAM_1TX	0.322	13M4W7D
LTE_20MHz_Nss1,QPSK_1TX	0.382	17M9G7D
LTE_20MHz_Nss1,16QAM_1TX	0.321	17M9W7D

1.1.6 Operating Channel List

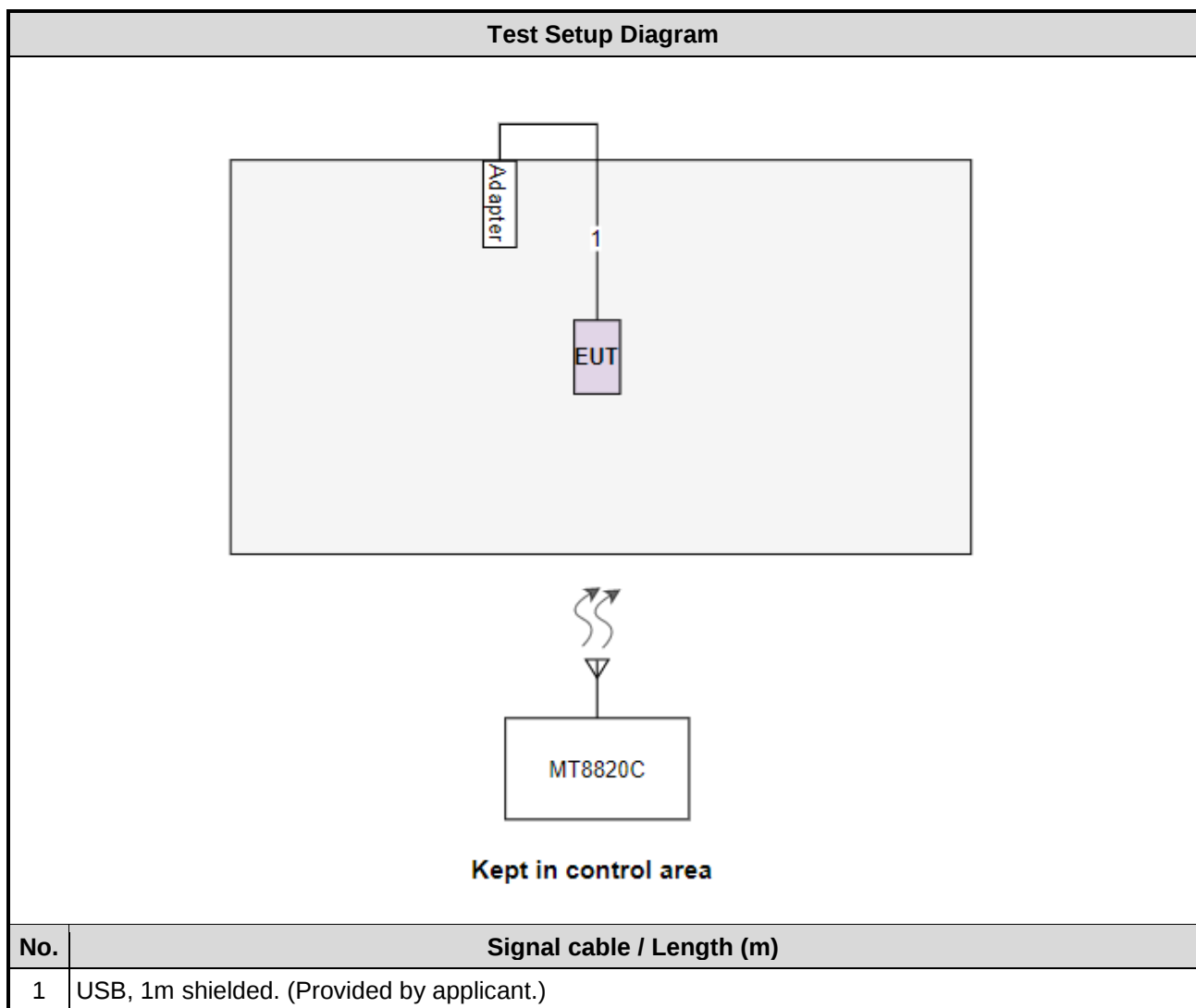
LTE Band 4		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
1.4	19957	1710.7
1.4	20175	1732.5
1.4	20393	1754.3
3	19965	1711.5
3	20175	1732.5
3	20385	1753.5
5	19975	1712.5
5	20175	1732.5
5	20375	1752.5
10	20000	1715.0
10	20175	1732.5
10	20350	1750.0
15	20025	1717.5
15	20175	1732.5
15	20325	1747.5
20	20050	1720.0
20	20175	1732.5
20	20300	1745.0

1.2 Local Support Equipment List

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

Note: Adapter is used for charging only.

1.3 Test Setup Chart



1.4 The Equipment List

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

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jul. 23 ~ Jul. 27, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	May 26, 2021	May 25, 2022
Spectrum Analyzer	Keysight	N9010A	MY54510374	Aug. 19, 2020	Aug. 18, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Nov. 09, 2020	Nov. 08, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GTH-150-40-CP-AR-T	MAA1407-012	Sep. 10, 2020	Sep. 09, 2021
Measurement Software	Sporton	SENSE-FCC_2G-4G	V5.10.5.4	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 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

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	23-25°C / 62-67%	Akun Chung Roger Lu
RF Conducted	TH01-WS	22-25°C / 62-66%	Aska Huang

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 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 4			
Test item	Channel Bandwidth	Modulation	Test channel
E.I.R.P	1.4 MHz	QPSK / 16QAM	19957 / 20175 / 20393
Conducted Emissions	3 MHz	QPSK / 16QAM	19965 / 20175 / 20385
	5 MHz	QPSK / 16QAM	19975 / 20175 / 20375
Occupied Bandwidth	10 MHz	QPSK / 16QAM	20000 / 20175 / 20350
Peak to Average Ratio	15 MHz	QPSK / 16QAM	20025 / 20175 / 20325
	20 MHz	QPSK / 16QAM	20050 / 20175 / 20300
Radiated Emission $\leq$ 1GHz	1.4 MHz	QPSK	19957
	3 MHz	QPSK	20175
	5 MHz	QPSK	19975
	10 MHz	QPSK	20175
	15 MHz	QPSK	20175
	20 MHz	QPSK	20175
Radiated Emission $>$ 1GHz	1.4 MHz	QPSK	19957 / 20175 / 20393
	3 MHz	QPSK	19965 / 20175 / 20385
	5 MHz	QPSK	19975 / 20175 / 20375
	10 MHz	QPSK	20000 / 20175 / 20350
	15 MHz	QPSK	20025 / 20175 / 20325
	20 MHz	QPSK	20050 / 20175 / 20300
Band Edge	1.4 MHz	QPSK / 16QAM	19957 / 20393
	3 MHz	QPSK / 16QAM	19965 / 20385
	5 MHz	QPSK / 16QAM	19975 / 20375
	10 MHz	QPSK / 16QAM	20000 / 20350
	15 MHz	QPSK / 16QAM	20025 / 20325
	20 MHz	QPSK / 16QAM	20050 / 20300
Frequency Stability	1.4 MHz	QPSK	19957 / 20393
	3 MHz	QPSK	19965 / 20385
	5 MHz	QPSK	19975 / 20375
	10 MHz	QPSK	20000 / 20350
	15 MHz	QPSK	20025 / 20325
	20 MHz	QPSK	20050 / 20300
NOTE:			
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.			

3 Test Results

3.1 Equivalent Isotropically Radiated Power

3.1.1 Limit of Equivalent Isotropically Radiated Power

Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 Watt EIRP.

3.1.2 Test Procedures

For E.I.R.P measurement

EIPR 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.

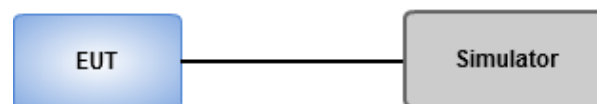
G_T = gain of the transmitting antenna, in dBi (EIRP).

L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For Conducted power measurement

1. The EUT links up with simulator and is set to maximum output power level at low / middle / 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 Equivalent Isotropically Radiated Power and Conducted Power (dBm)

Refer to Appendix A.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

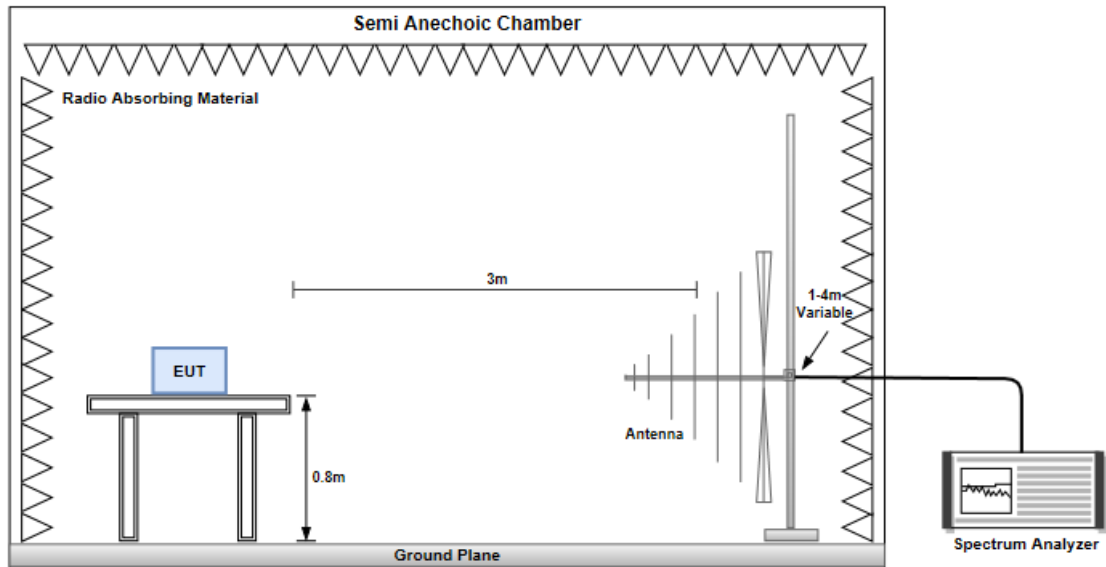
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13 dBm.

3.2.2 Test Procedures

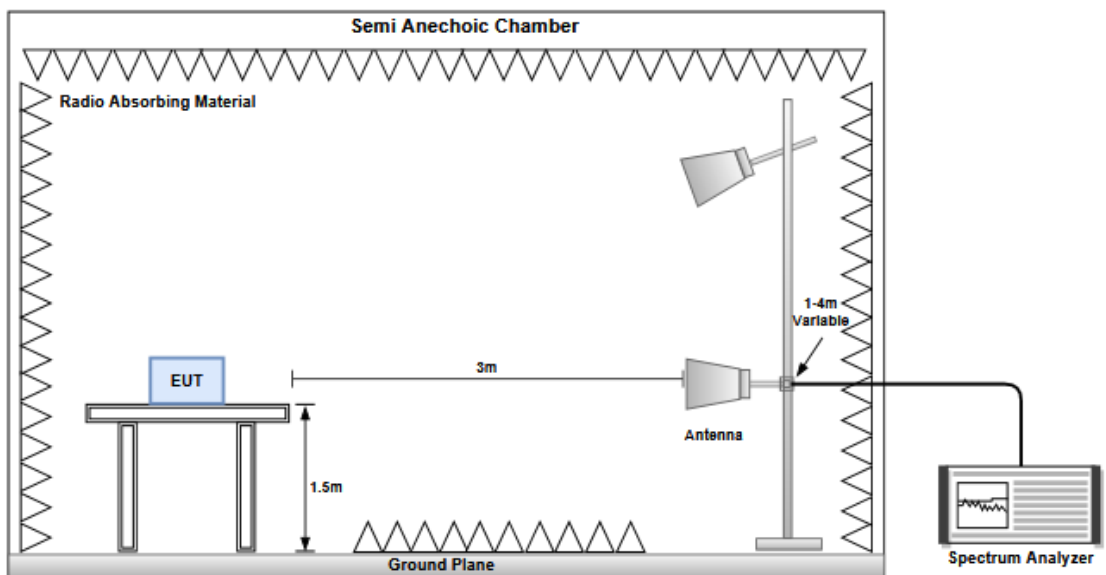
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions

Refer to Appendix B.

3.3 Out of Band Emissions& Band Edge

3.3.1 Limit of Out of Band Emissions & Band Edge

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

3.3.2 Test Procedures

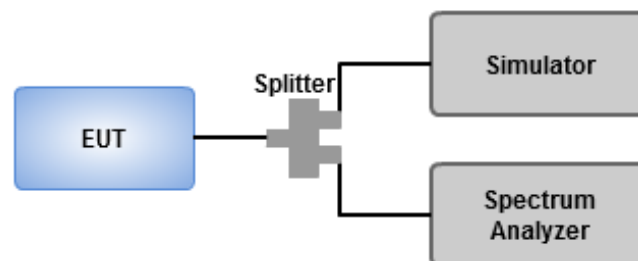
Out of band emission

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30 MHz ~ 20 GHz.
3. Set RBW = 1 MHz, VBW = 3 MHz, detector = RMS, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

Band edge

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

3.3.3 Test Setup



3.3.4 Test Result of Out of Band Emissions & Band Edge

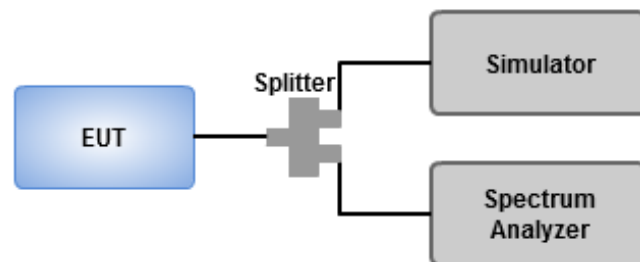
Refer to Appendix C.1, C.2.

3.4 Occupied and 26dB Bandwidth

3.4.1 Test Procedures

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

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26dB Bandwidth

Refer to Appendix D.

3.5 Peak to Average Power Ratio

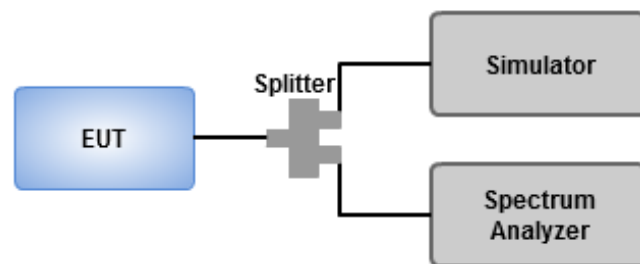
3.5.1 Limit of Peak to Average Power Ratio

The Peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Power Ratio

Refer to Appendix E.

3.6 Frequency Stability

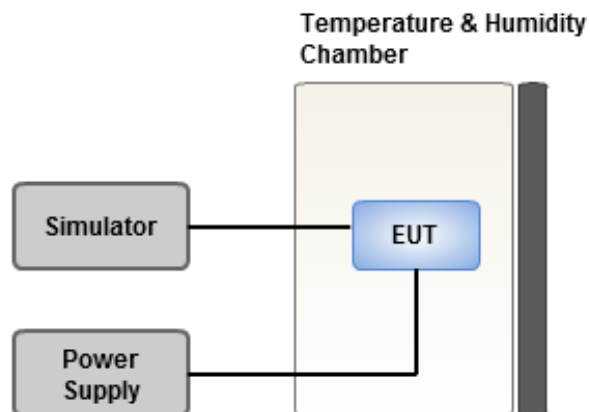
3.6.1 Limit of Frequency Stability

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.

4 Test laboratory information

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

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

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

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
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Kwei Shan

Tel: 886-3-271-8666

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

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 4	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	23.11	0.205	25.85	0.38459
LTE_1.4MHz_Nss1,16QAM_1TX	22.31	0.170	25.05	0.320
LTE_3MHz_Nss1,QPSK_1TX	22.96	0.198	25.70	0.37154
LTE_3MHz_Nss1,16QAM_1TX	22.19	0.166	24.93	0.311
LTE_5MHz_Nss1,QPSK_1TX	23.09	0.204	25.83	0.383
LTE_5MHz_Nss1,16QAM_1TX	22.35	0.172	25.09	0.323
LTE_10MHz_Nss1,QPSK_1TX	23.06	0.202	25.80	0.380
LTE_10MHz_Nss1,16QAM_1TX	22.30	0.170	25.04	0.319
LTE_15MHz_Nss1,QPSK_1TX	23.12	0.205	25.86	0.385
LTE_15MHz_Nss1,16QAM_1TX	22.34	0.171	25.08	0.322
LTE_20MHz_Nss1,QPSK_1TX	23.08	0.203	25.82	0.382
LTE_20MHz_Nss1,16QAM_1TX	22.33	0.171	25.07	0.321

Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 4_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1710.7MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.68	0.370	1	22.94	0.197	Inf	22.94
1710.7MHz_QPSK_RB 1,#RB 3	Pass	2.74	25.85	0.38459	1	23.11	0.205	Inf	23.11
1710.7MHz_QPSK_RB 1,#RB 5	Pass	2.74	25.68	0.370	1	22.94	0.197	Inf	22.94
1710.7MHz_QPSK_RB 3,#RB 0	Pass	2.74	25.77	0.378	1	23.03	0.201	Inf	23.03
1710.7MHz_QPSK_RB 3,#RB 1	Pass	2.74	25.84	0.384	1	23.10	0.204	Inf	23.10
1710.7MHz_QPSK_RB 3,#RB 3	Pass	2.74	25.78	0.378	1	23.04	0.201	Inf	23.04
1710.7MHz_QPSK_RB 6,#RB 0	Pass	2.74	24.80	0.302	1	22.06	0.161	Inf	22.06
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.66	0.368	1	22.92	0.196	Inf	22.92
1732.5MHz_QPSK_RB 1,#RB 3	Pass	2.74	25.82	0.38194	1	23.08	0.203	Inf	23.08
1732.5MHz_QPSK_RB 1,#RB 5	Pass	2.74	25.65	0.367	1	22.91	0.195	Inf	22.91
1732.5MHz_QPSK_RB 3,#RB 0	Pass	2.74	25.77	0.378	1	23.03	0.201	Inf	23.03
1732.5MHz_QPSK_RB 3,#RB 1	Pass	2.74	25.81	0.381	1	23.07	0.203	Inf	23.07
1732.5MHz_QPSK_RB 3,#RB 3	Pass	2.74	25.76	0.377	1	23.02	0.200	Inf	23.02
1732.5MHz_QPSK_RB 6,#RB 0	Pass	2.74	24.78	0.301	1	22.04	0.160	Inf	22.04
1754.3MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.60	0.363	1	22.86	0.193	Inf	22.86
1754.3MHz_QPSK_RB 1,#RB 3	Pass	2.74	25.79	0.37931	1	23.05	0.202	Inf	23.05
1754.3MHz_QPSK_RB 1,#RB 5	Pass	2.74	25.61	0.364	1	22.87	0.194	Inf	22.87
1754.3MHz_QPSK_RB 3,#RB 0	Pass	2.74	25.72	0.373	1	22.98	0.199	Inf	22.98
1754.3MHz_QPSK_RB 3,#RB 1	Pass	2.74	25.77	0.378	1	23.03	0.201	Inf	23.03
1754.3MHz_QPSK_RB 3,#RB 3	Pass	2.74	25.72	0.373	1	22.98	0.199	Inf	22.98
1754.3MHz_QPSK_RB 6,#RB 0	Pass	2.74	24.75	0.299	1	22.01	0.159	Inf	22.01
1710.7MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.90	0.309	1	22.16	0.164	Inf	22.16
1710.7MHz_16QAM_RB 1,#RB 3	Pass	2.74	25.03	0.318	1	22.29	0.169	Inf	22.29
1710.7MHz_16QAM_RB 1,#RB 5	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1710.7MHz_16QAM_RB 3,#RB 0	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1710.7MHz_16QAM_RB 3,#RB 1	Pass	2.74	24.80	0.302	1	22.06	0.161	Inf	22.06
1710.7MHz_16QAM_RB 3,#RB 3	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1710.7MHz_16QAM_RB 6,#RB 0	Pass	2.74	23.90	0.245	1	21.16	0.131	Inf	21.16
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.91	0.310	1	22.17	0.165	Inf	22.17
1732.5MHz_16QAM_RB 1,#RB 3	Pass	2.74	25.05	0.320	1	22.31	0.170	Inf	22.31
1732.5MHz_16QAM_RB 1,#RB 5	Pass	2.74	24.91	0.310	1	22.17	0.165	Inf	22.17
1732.5MHz_16QAM_RB 3,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1732.5MHz_16QAM_RB 3,#RB 1	Pass	2.74	24.78	0.301	1	22.04	0.160	Inf	22.04

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1732.5MHz_16QAM_RB 3,#RB 3	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1732.5MHz_16QAM_RB 6,#RB 0	Pass	2.74	23.89	0.245	1	21.15	0.130	Inf	21.15
1754.3MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.85	0.305	1	22.11	0.163	Inf	22.11
1754.3MHz_16QAM_RB 1,#RB 3	Pass	2.74	24.97	0.314	1	22.23	0.167	Inf	22.23
1754.3MHz_16QAM_RB 1,#RB 5	Pass	2.74	24.83	0.304	1	22.09	0.162	Inf	22.09
1754.3MHz_16QAM_RB 3,#RB 0	Pass	2.74	24.67	0.293	1	21.93	0.156	Inf	21.93
1754.3MHz_16QAM_RB 3,#RB 1	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1754.3MHz_16QAM_RB 3,#RB 3	Pass	2.74	24.67	0.293	1	21.93	0.156	Inf	21.93
1754.3MHz_16QAM_RB 6,#RB 0	Pass	2.74	23.85	0.243	1	21.11	0.129	Inf	21.11
Band 4_LTE_3MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1711.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.68	0.370	1	22.94	0.197	Inf	22.94
1711.5MHz_QPSK_RB 1,#RB 8	Pass	2.74	25.69	0.37068	1	22.95	0.197	Inf	22.95
1711.5MHz_QPSK_RB 1,#RB 14	Pass	2.74	25.67	0.369	1	22.93	0.196	Inf	22.93
1711.5MHz_QPSK_RB 8,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1711.5MHz_QPSK_RB 8,#RB 4	Pass	2.74	24.76	0.299	1	22.02	0.159	Inf	22.02
1711.5MHz_QPSK_RB 8,#RB 7	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1711.5MHz_QPSK_RB 15,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.68	0.370	1	22.94	0.197	Inf	22.94
1732.5MHz_QPSK_RB 1,#RB 8	Pass	2.74	25.70	0.37154	1	22.96	0.198	Inf	22.96
1732.5MHz_QPSK_RB 1,#RB 14	Pass	2.74	25.68	0.370	1	22.94	0.197	Inf	22.94
1732.5MHz_QPSK_RB 8,#RB 0	Pass	2.74	24.71	0.296	1	21.97	0.157	Inf	21.97
1732.5MHz_QPSK_RB 8,#RB 4	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1732.5MHz_QPSK_RB 8,#RB 7	Pass	2.74	24.70	0.295	1	21.96	0.157	Inf	21.96
1732.5MHz_QPSK_RB 15,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1753.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.61	0.364	1	22.87	0.194	Inf	22.87
1753.5MHz_QPSK_RB 1,#RB 8	Pass	2.74	25.65	0.36728	1	22.91	0.195	Inf	22.91
1753.5MHz_QPSK_RB 1,#RB 14	Pass	2.74	25.64	0.366	1	22.90	0.195	Inf	22.90
1753.5MHz_QPSK_RB 8,#RB 0	Pass	2.74	24.64	0.291	1	21.90	0.155	Inf	21.90
1753.5MHz_QPSK_RB 8,#RB 4	Pass	2.74	24.65	0.292	1	21.91	0.155	Inf	21.91
1753.5MHz_QPSK_RB 8,#RB 7	Pass	2.74	24.65	0.292	1	21.91	0.155	Inf	21.91
1753.5MHz_QPSK_RB 15,#RB 0	Pass	2.74	24.65	0.292	1	21.91	0.155	Inf	21.91
1711.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.93	0.311	1	22.19	0.166	Inf	22.19
1711.5MHz_16QAM_RB 1,#RB 8	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1711.5MHz_16QAM_RB 1,#RB 14	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1711.5MHz_16QAM_RB 8,#RB 0	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1711.5MHz_16QAM_RB 8,#RB 4	Pass	2.74	23.85	0.243	1	21.11	0.129	Inf	21.11
1711.5MHz_16QAM_RB 8,#RB 7	Pass	2.74	23.81	0.240	1	21.07	0.128	Inf	21.07
1711.5MHz_16QAM_RB 15,#RB 0	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1732.5MHz_16QAM_RB 1,#RB 8	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1732.5MHz_16QAM_RB 1,#RB 14	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1732.5MHz_16QAM_RB 8,#RB 0	Pass	2.74	23.82	0.241	1	21.08	0.128	Inf	21.08
1732.5MHz_16QAM_RB 8,#RB 4	Pass	2.74	23.83	0.242	1	21.09	0.129	Inf	21.09
1732.5MHz_16QAM_RB 8,#RB 7	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06
1732.5MHz_16QAM_RB 15,#RB 0	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1753.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.86	0.306	1	22.12	0.163	Inf	22.12
1753.5MHz_16QAM_RB 1,#RB 8	Pass	2.74	24.87	0.307	1	22.13	0.163	Inf	22.13
1753.5MHz_16QAM_RB 1,#RB 14	Pass	2.74	24.86	0.306	1	22.12	0.163	Inf	22.12
1753.5MHz_16QAM_RB 8,#RB 0	Pass	2.74	23.75	0.237	1	21.01	0.126	Inf	21.01
1753.5MHz_16QAM_RB 8,#RB 4	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1753.5MHz_16QAM_RB 8,#RB 7	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1753.5MHz_16QAM_RB 15,#RB 0	Pass	2.74	23.69	0.234	1	20.95	0.124	Inf	20.95
Band 4_LTE_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1712.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.60	0.363	1	22.86	0.193	Inf	22.86
1712.5MHz_QPSK_RB 1,#RB 12	Pass	2.74	25.83	0.383	1	23.09	0.204	Inf	23.09
1712.5MHz_QPSK_RB 1,#RB 24	Pass	2.74	25.57	0.361	1	22.83	0.192	Inf	22.83
1712.5MHz_QPSK_RB 12,#RB 0	Pass	2.74	24.70	0.295	1	21.96	0.157	Inf	21.96
1712.5MHz_QPSK_RB 12,#RB 7	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1712.5MHz_QPSK_RB 12,#RB 13	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1712.5MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.58	0.361	1	22.84	0.192	Inf	22.84
1732.5MHz_QPSK_RB 1,#RB 12	Pass	2.74	25.78	0.378	1	23.04	0.201	Inf	23.04
1732.5MHz_QPSK_RB 1,#RB 24	Pass	2.74	25.58	0.361	1	22.84	0.192	Inf	22.84
1732.5MHz_QPSK_RB 12,#RB 0	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1732.5MHz_QPSK_RB 12,#RB 7	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1732.5MHz_QPSK_RB 12,#RB 13	Pass	2.74	24.71	0.296	1	21.97	0.157	Inf	21.97
1732.5MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.71	0.296	1	21.97	0.157	Inf	21.97
1752.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.52	0.356	1	22.78	0.190	Inf	22.78
1752.5MHz_QPSK_RB 1,#RB 12	Pass	2.74	25.77	0.378	1	23.03	0.201	Inf	23.03
1752.5MHz_QPSK_RB 1,#RB 24	Pass	2.74	25.54	0.358	1	22.80	0.191	Inf	22.80

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1752.5MHz_QPSK_RB 12,#RB 0	Pass	2.74	24.68	0.294	1	21.94	0.156	Inf	21.94
1752.5MHz_QPSK_RB 12,#RB 7	Pass	2.74	24.70	0.295	1	21.96	0.157	Inf	21.96
1752.5MHz_QPSK_RB 12,#RB 13	Pass	2.74	24.63	0.290	1	21.89	0.155	Inf	21.89
1752.5MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.64	0.291	1	21.90	0.155	Inf	21.90
1712.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.85	0.305	1	22.11	0.163	Inf	22.11
1712.5MHz_16QAM_RB 1,#RB 12	Pass	2.74	25.09	0.323	1	22.35	0.172	Inf	22.35
1712.5MHz_16QAM_RB 1,#RB 24	Pass	2.74	24.78	0.301	1	22.04	0.160	Inf	22.04
1712.5MHz_16QAM_RB 12,#RB 0	Pass	2.74	23.70	0.234	1	20.96	0.125	Inf	20.96
1712.5MHz_16QAM_RB 12,#RB 7	Pass	2.74	23.79	0.239	1	21.05	0.127	Inf	21.05
1712.5MHz_16QAM_RB 12,#RB 13	Pass	2.74	23.72	0.236	1	20.98	0.125	Inf	20.98
1712.5MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.82	0.303	1	22.08	0.161	Inf	22.08
1732.5MHz_16QAM_RB 1,#RB 12	Pass	2.74	25.08	0.322	1	22.34	0.171	Inf	22.34
1732.5MHz_16QAM_RB 1,#RB 24	Pass	2.74	24.82	0.303	1	22.08	0.161	Inf	22.08
1732.5MHz_16QAM_RB 12,#RB 0	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1732.5MHz_16QAM_RB 12,#RB 7	Pass	2.74	23.78	0.239	1	21.04	0.127	Inf	21.04
1732.5MHz_16QAM_RB 12,#RB 13	Pass	2.74	23.74	0.237	1	21.00	0.126	Inf	21.00
1732.5MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.77	0.238	1	21.03	0.127	Inf	21.03
1752.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.79	0.301	1	22.05	0.160	Inf	22.05
1752.5MHz_16QAM_RB 1,#RB 12	Pass	2.74	24.99	0.316	1	22.25	0.168	Inf	22.25
1752.5MHz_16QAM_RB 1,#RB 24	Pass	2.74	24.76	0.299	1	22.02	0.159	Inf	22.02
1752.5MHz_16QAM_RB 12,#RB 0	Pass	2.74	23.70	0.234	1	20.96	0.125	Inf	20.96
1752.5MHz_16QAM_RB 12,#RB 7	Pass	2.74	23.74	0.237	1	21.00	0.126	Inf	21.00
1752.5MHz_16QAM_RB 12,#RB 13	Pass	2.74	23.65	0.232	1	20.91	0.123	Inf	20.91
1752.5MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.71	0.235	1	20.97	0.125	Inf	20.97
Band 4_LTE_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1715MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.67	0.369	1	22.93	0.196	Inf	22.93
1715MHz_QPSK_RB 1,#RB 25	Pass	2.74	25.79	0.379	1	23.05	0.202	Inf	23.05
1715MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.65	0.367	1	22.91	0.195	Inf	22.91
1715MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.75	0.299	1	22.01	0.159	Inf	22.01
1715MHz_QPSK_RB 25,#RB 12	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1715MHz_QPSK_RB 25,#RB 25	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1715MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.65	0.367	1	22.91	0.195	Inf	22.91
1732.5MHz_QPSK_RB 1,#RB 25	Pass	2.74	25.80	0.380	1	23.06	0.202	Inf	23.06

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1732.5MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.64	0.366	1	22.90	0.195	Inf	22.90
1732.5MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.80	0.302	1	22.06	0.161	Inf	22.06
1732.5MHz_QPSK_RB 25,#RB 12	Pass	2.74	24.76	0.299	1	22.02	0.159	Inf	22.02
1732.5MHz_QPSK_RB 25,#RB 25	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1732.5MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1750MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.66	0.368	1	22.92	0.196	Inf	22.92
1750MHz_QPSK_RB 1,#RB 25	Pass	2.74	25.75	0.376	1	23.01	0.200	Inf	23.01
1750MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.61	0.364	1	22.87	0.194	Inf	22.87
1750MHz_QPSK_RB 25,#RB 0	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1750MHz_QPSK_RB 25,#RB 12	Pass	2.74	24.71	0.296	1	21.97	0.157	Inf	21.97
1750MHz_QPSK_RB 25,#RB 25	Pass	2.74	24.64	0.291	1	21.90	0.155	Inf	21.90
1750MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.69	0.294	1	21.95	0.157	Inf	21.95
1715MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.94	0.312	1	22.20	0.166	Inf	22.20
1715MHz_16QAM_RB 1,#RB 25	Pass	2.74	24.98	0.315	1	22.24	0.167	Inf	22.24
1715MHz_16QAM_RB 1,#RB 49	Pass	2.74	24.87	0.307	1	22.13	0.163	Inf	22.13
1715MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.79	0.239	1	21.05	0.127	Inf	21.05
1715MHz_16QAM_RB 25,#RB 12	Pass	2.74	23.78	0.239	1	21.04	0.127	Inf	21.04
1715MHz_16QAM_RB 25,#RB 25	Pass	2.74	23.75	0.237	1	21.01	0.126	Inf	21.01
1715MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.74	0.237	1	21.00	0.126	Inf	21.00
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.90	0.309	1	22.16	0.164	Inf	22.16
1732.5MHz_16QAM_RB 1,#RB 25	Pass	2.74	25.04	0.319	1	22.30	0.170	Inf	22.30
1732.5MHz_16QAM_RB 1,#RB 49	Pass	2.74	24.92	0.310	1	22.18	0.165	Inf	22.18
1732.5MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.85	0.243	1	21.11	0.129	Inf	21.11
1732.5MHz_16QAM_RB 25,#RB 12	Pass	2.74	23.81	0.240	1	21.07	0.128	Inf	21.07
1732.5MHz_16QAM_RB 25,#RB 25	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06
1732.5MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.82	0.241	1	21.08	0.128	Inf	21.08
1750MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.91	0.310	1	22.17	0.165	Inf	22.17
1750MHz_16QAM_RB 1,#RB 25	Pass	2.74	24.99	0.316	1	22.25	0.168	Inf	22.25
1750MHz_16QAM_RB 1,#RB 49	Pass	2.74	24.84	0.305	1	22.10	0.162	Inf	22.10
1750MHz_16QAM_RB 25,#RB 0	Pass	2.74	23.77	0.238	1	21.03	0.127	Inf	21.03
1750MHz_16QAM_RB 25,#RB 12	Pass	2.74	23.77	0.238	1	21.03	0.127	Inf	21.03
1750MHz_16QAM_RB 25,#RB 25	Pass	2.74	23.72	0.236	1	20.98	0.125	Inf	20.98
1750MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.73	0.236	1	20.99	0.126	Inf	20.99
Band 4_LTE_15MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1717.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.62	0.365	1	22.88	0.194	Inf	22.88

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1717.5MHz_QPSK_RB 1,#RB 37	Pass	2.74	25.84	0.384	1	23.10	0.204	Inf	23.10
1717.5MHz_QPSK_RB 1,#RB 74	Pass	2.74	25.60	0.363	1	22.86	0.193	Inf	22.86
1717.5MHz_QPSK_RB 36,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1717.5MHz_QPSK_RB 36,#RB 20	Pass	2.74	24.76	0.299	1	22.02	0.159	Inf	22.02
1717.5MHz_QPSK_RB 36,#RB 39	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1717.5MHz_QPSK_RB 75,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.61	0.364	1	22.87	0.194	Inf	22.87
1732.5MHz_QPSK_RB 1,#RB 37	Pass	2.74	25.86	0.385	1	23.12	0.205	Inf	23.12
1732.5MHz_QPSK_RB 1,#RB 74	Pass	2.74	25.59	0.362	1	22.85	0.193	Inf	22.85
1732.5MHz_QPSK_RB 36,#RB 0	Pass	2.74	24.79	0.301	1	22.05	0.160	Inf	22.05
1732.5MHz_QPSK_RB 36,#RB 20	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1732.5MHz_QPSK_RB 36,#RB 39	Pass	2.74	24.73	0.297	1	21.99	0.158	Inf	21.99
1732.5MHz_QPSK_RB 75,#RB 0	Pass	2.74	24.74	0.298	1	22.00	0.158	Inf	22.00
1747.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.61	0.364	1	22.87	0.194	Inf	22.87
1747.5MHz_QPSK_RB 1,#RB 37	Pass	2.74	25.78	0.378	1	23.04	0.201	Inf	23.04
1747.5MHz_QPSK_RB 1,#RB 74	Pass	2.74	25.56	0.360	1	22.82	0.191	Inf	22.82
1747.5MHz_QPSK_RB 36,#RB 0	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1747.5MHz_QPSK_RB 36,#RB 20	Pass	2.74	24.71	0.296	1	21.97	0.157	Inf	21.97
1747.5MHz_QPSK_RB 36,#RB 39	Pass	2.74	24.64	0.291	1	21.90	0.155	Inf	21.90
1747.5MHz_QPSK_RB 75,#RB 0	Pass	2.74	24.65	0.292	1	21.91	0.155	Inf	21.91
1717.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.86	0.306	1	22.12	0.163	Inf	22.12
1717.5MHz_16QAM_RB 1,#RB 37	Pass	2.74	25.01	0.317	1	22.27	0.169	Inf	22.27
1717.5MHz_16QAM_RB 1,#RB 74	Pass	2.74	24.82	0.303	1	22.08	0.161	Inf	22.08
1717.5MHz_16QAM_RB 36,#RB 0	Pass	2.74	23.71	0.235	1	20.97	0.125	Inf	20.97
1717.5MHz_16QAM_RB 36,#RB 20	Pass	2.74	23.74	0.237	1	21.00	0.126	Inf	21.00
1717.5MHz_16QAM_RB 36,#RB 39	Pass	2.74	23.69	0.234	1	20.95	0.124	Inf	20.95
1717.5MHz_16QAM_RB 75,#RB 0	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.83	0.304	1	22.09	0.162	Inf	22.09
1732.5MHz_16QAM_RB 1,#RB 37	Pass	2.74	25.08	0.322	1	22.34	0.171	Inf	22.34
1732.5MHz_16QAM_RB 1,#RB 74	Pass	2.74	24.85	0.305	1	22.11	0.163	Inf	22.11
1732.5MHz_16QAM_RB 36,#RB 0	Pass	2.74	23.79	0.239	1	21.05	0.127	Inf	21.05
1732.5MHz_16QAM_RB 36,#RB 20	Pass	2.74	23.77	0.238	1	21.03	0.127	Inf	21.03
1732.5MHz_16QAM_RB 36,#RB 39	Pass	2.74	23.76	0.238	1	21.02	0.126	Inf	21.02
1732.5MHz_16QAM_RB 75,#RB 0	Pass	2.74	23.78	0.239	1	21.04	0.127	Inf	21.04
1747.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.87	0.307	1	22.13	0.163	Inf	22.13

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1747.5MHz_16QAM_RB 1,#RB 37	Pass	2.74	25.06	0.321	1	22.32	0.171	Inf	22.32
1747.5MHz_16QAM_RB 1,#RB 74	Pass	2.74	24.79	0.301	1	22.05	0.160	Inf	22.05
1747.5MHz_16QAM_RB 36,#RB 0	Pass	2.74	23.75	0.237	1	21.01	0.126	Inf	21.01
1747.5MHz_16QAM_RB 36,#RB 20	Pass	2.74	23.74	0.237	1	21.00	0.126	Inf	21.00
1747.5MHz_16QAM_RB 36,#RB 39	Pass	2.74	23.70	0.234	1	20.96	0.125	Inf	20.96
1747.5MHz_16QAM_RB 75,#RB 0	Pass	2.74	23.71	0.235	1	20.97	0.125	Inf	20.97
Band 4_LTE_20MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1720MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.45	0.351	1	22.71	0.187	Inf	22.71
1720MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.78	0.378	1	23.04	0.201	Inf	23.04
1720MHz_QPSK_RB 1,#RB 99	Pass	2.74	25.42	0.348	1	22.68	0.185	Inf	22.68
1720MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.78	0.301	1	22.04	0.160	Inf	22.04
1720MHz_QPSK_RB 50,#RB 24	Pass	2.74	24.79	0.301	1	22.05	0.160	Inf	22.05
1720MHz_QPSK_RB 50,#RB 50	Pass	2.74	24.60	0.288	1	21.86	0.153	Inf	21.86
1720MHz_QPSK_RB 100,#RB 0	Pass	2.74	24.69	0.294	1	21.95	0.157	Inf	21.95
1732.5MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.44	0.350	1	22.70	0.186	Inf	22.70
1732.5MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.82	0.382	1	23.08	0.203	Inf	23.08
1732.5MHz_QPSK_RB 1,#RB 99	Pass	2.74	25.43	0.349	1	22.69	0.186	Inf	22.69
1732.5MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.85	0.305	1	22.11	0.163	Inf	22.11
1732.5MHz_QPSK_RB 50,#RB 24	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1732.5MHz_QPSK_RB 50,#RB 50	Pass	2.74	24.72	0.296	1	21.98	0.158	Inf	21.98
1732.5MHz_QPSK_RB 100,#RB 0	Pass	2.74	24.76	0.299	1	22.02	0.159	Inf	22.02
1745MHz_QPSK_RB 1,#RB 0	Pass	2.74	25.43	0.349	1	22.69	0.186	Inf	22.69
1745MHz_QPSK_RB 1,#RB 49	Pass	2.74	25.78	0.378	1	23.04	0.201	Inf	23.04
1745MHz_QPSK_RB 1,#RB 99	Pass	2.74	25.38	0.345	1	22.64	0.184	Inf	22.64
1745MHz_QPSK_RB 50,#RB 0	Pass	2.74	24.70	0.295	1	21.96	0.157	Inf	21.96
1745MHz_QPSK_RB 50,#RB 24	Pass	2.74	24.77	0.300	1	22.03	0.160	Inf	22.03
1745MHz_QPSK_RB 50,#RB 50	Pass	2.74	24.63	0.290	1	21.89	0.155	Inf	21.89
1745MHz_QPSK_RB 100,#RB 0	Pass	2.74	24.67	0.293	1	21.93	0.156	Inf	21.93
1720MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.70	0.295	1	21.96	0.157	Inf	21.96
1720MHz_16QAM_RB 1,#RB 49	Pass	2.74	25.03	0.318	1	22.29	0.169	Inf	22.29
1720MHz_16QAM_RB 1,#RB 99	Pass	2.74	24.66	0.292	1	21.92	0.156	Inf	21.92
1720MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.78	0.239	1	21.04	0.127	Inf	21.04
1720MHz_16QAM_RB 50,#RB 24	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06
1720MHz_16QAM_RB 50,#RB 50	Pass	2.74	23.64	0.231	1	20.90	0.123	Inf	20.90
1720MHz_16QAM_RB 100,#RB 0	Pass	2.74	23.70	0.234	1	20.96	0.125	Inf	20.96

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1732.5MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.66	0.292	1	21.92	0.156	Inf	21.92
1732.5MHz_16QAM_RB 1,#RB 49	Pass	2.74	25.03	0.318	1	22.29	0.169	Inf	22.29
1732.5MHz_16QAM_RB 1,#RB 99	Pass	2.74	24.69	0.294	1	21.95	0.157	Inf	21.95
1732.5MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.88	0.244	1	21.14	0.130	Inf	21.14
1732.5MHz_16QAM_RB 50,#RB 24	Pass	2.74	23.79	0.239	1	21.05	0.127	Inf	21.05
1732.5MHz_16QAM_RB 50,#RB 50	Pass	2.74	23.75	0.237	1	21.01	0.126	Inf	21.01
1732.5MHz_16QAM_RB 100,#RB 0	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06
1745MHz_16QAM_RB 1,#RB 0	Pass	2.74	24.69	0.294	1	21.95	0.157	Inf	21.95
1745MHz_16QAM_RB 1,#RB 49	Pass	2.74	25.07	0.321	1	22.33	0.171	Inf	22.33
1745MHz_16QAM_RB 1,#RB 99	Pass	2.74	24.62	0.290	1	21.88	0.154	Inf	21.88
1745MHz_16QAM_RB 50,#RB 0	Pass	2.74	23.77	0.238	1	21.03	0.127	Inf	21.03
1745MHz_16QAM_RB 50,#RB 24	Pass	2.74	23.80	0.240	1	21.06	0.128	Inf	21.06
1745MHz_16QAM_RB 50,#RB 50	Pass	2.74	23.68	0.233	1	20.94	0.124	Inf	20.94
1745MHz_16QAM_RB 100,#RB 0	Pass	2.74	23.72	0.236	1	20.98	0.125	Inf	20.98

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

Test Result of Radiated Emissions below 1GHz

Mode	LTE Band 4, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 19957						
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)
30	H	-67.32	-13	-54.32	-71.86	-47.84	-19.48
45.52	H	-70.73	-13	-57.73	-74.34	-53.83	-16.9
64.92	H	-74.01	-13	-61.01	-72.29	-61.57	-12.44
199.75	H	-73.89	-13	-60.89	-69.78	-70.85	-3.04
267.65	H	-74.69	-13	-61.69	-73.97	-73.36	-1.33
345.25	H	-72.36	-13	-59.36	-72.66	-71.12	-1.24
32.91	V	-66.02	-13	-53.02	-64.19	-47.23	-18.79
46.49	V	-69.38	-13	-56.38	-68.55	-52.63	-16.75
123.12	V	-69.6	-13	-56.6	-72	-63.31	-6.29
176.47	V	-69.12	-13	-56.12	-71.45	-63.96	-5.16
353.01	V	-72.86	-13	-59.86	-75.72	-71.62	-1.24
490.75	V	-66.68	-13	-53.68	-71.67	-65.23	-1.45

Mode	LTE Band 4, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20175						
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)
30.15	H	-68.16	-13	-55.16	-72.69	-48.72	-19.44
45.16	H	-69.38	-13	-56.38	-73.08	-52.42	-16.96
65.25	H	-75.16	-13	-62.16	-73.37	-62.84	-12.32
200.12	H	-72.64	-13	-59.64	-68.52	-69.62	-3.02
265.49	H	-74.15	-13	-61.15	-73.42	-72.82	-1.33
344.26	H	-73.64	-13	-60.64	-73.92	-72.4	-1.24
32.65	V	-65.59	-13	-52.59	-63.74	-46.74	-18.85
46.58	V	-68.49	-13	-55.49	-67.66	-51.76	-16.73
125.25	V	-70.66	-13	-57.66	-73.24	-64.29	-6.37
177.58	V	-70.22	-13	-57.22	-72.49	-65.14	-5.08
354.1	V	-71.59	-13	-58.59	-74.46	-70.34	-1.25
491.65	V	-66.45	-13	-53.45	-71.44	-65	-1.45

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

Mode	LTE Band 4, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 19975						
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)
30.31	H	-67.2	-13	-54.2	-71.72	-47.79	-19.41
45.34	H	-69.48	-13	-56.48	-73.13	-52.55	-16.93
65.25	H	-73.61	-13	-60.61	-71.82	-61.29	-12.32
199.46	H	-73.29	-13	-60.29	-69.2	-70.22	-3.07
299.65	H	-73.58	-13	-60.58	-72.85	-72.25	-1.33
344.31	H	-73.64	-13	-60.64	-73.92	-72.4	-1.24
32.49	V	-65.49	-13	-52.49	-63.62	-46.6	-18.89
46.68	V	-69.15	-13	-56.15	-68.32	-52.43	-16.72
124.25	V	-69.26	-13	-56.26	-71.75	-62.93	-6.33
175.31	V	-69.64	-13	-56.64	-72.4	-64.39	-5.25
354.15	V	-72.46	-13	-59.46	-75.33	-71.21	-1.25
491.65	V	-67.55	-13	-54.55	-72.54	-66.1	-1.45

Mode	LTE Band 4, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20175						
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)
30.31	H	-66.64	-13	-53.64	-71.16	-47.23	-19.41
45.68	H	-69.34	-13	-56.34	-72.92	-52.47	-16.87
64.25	H	-75.39	-13	-62.39	-73.8	-62.74	-12.65
200.07	H	-72.64	-13	-59.64	-68.51	-69.62	-3.02
268.46	H	-73.59	-13	-60.59	-72.87	-72.26	-1.33
344.29	H	-74.15	-13	-61.15	-74.43	-72.91	-1.24
32.55	V	-65.31	-13	-52.31	-63.45	-46.44	-18.87
46.58	V	-70.49	-13	-57.49	-69.66	-53.76	-16.73
124.56	V	-70.68	-13	-57.68	-73.2	-64.34	-6.34
177.56	V	-68.46	-13	-55.46	-70.73	-63.38	-5.08
351.59	V	-71.58	-13	-58.58	-74.44	-70.34	-1.24
491.26	V	-67.95	-13	-54.95	-72.94	-66.5	-1.45

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

Mode	LTE Band 4, QPSK, CB:15 MHz, 1 RB Offset 37, Channel: 20175						
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)
30.31	H	-67.15	-13	-54.15	-71.67	-47.74	-19.41
45.19	H	-70.29	-13	-57.29	-73.99	-53.34	-16.95
64.59	H	-73.54	-13	-60.54	-71.88	-61	-12.54
200.06	H	-72.46	-13	-59.46	-68.33	-69.44	-3.02
266.56	H	-73.48	-13	-60.48	-72.75	-72.15	-1.33
344.16	H	-74.35	-13	-61.35	-74.63	-73.11	-1.24
31.59	V	-65.16	-13	-52.16	-63.23	-46.06	-19.1
46.95	V	-68.48	-13	-55.48	-67.67	-51.8	-16.68
122.26	V	-68.64	-13	-55.64	-70.97	-62.39	-6.25
175.27	V	-68.42	-13	-55.42	-70.82	-63.17	-5.25
353.59	V	-73.51	-13	-60.51	-76.38	-72.27	-1.24
491.25	V	-67.64	-13	-54.64	-72.63	-66.19	-1.45

Mode	LTE Band 4, QPSK, CB:20 MHz, 1 RB Offset 49, Channel: 20175						
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)
30.46	H	-68.43	-13	-55.43	-72.93	-49.06	-19.37
45.29	H	-69.47	-13	-56.47	-73.15	-52.54	-16.93
65.25	H	-73.46	-13	-60.46	-71.67	-61.14	-12.32
198.56	H	-72.64	-13	-59.64	-68.61	-69.49	-3.15
266.558	H	-75.28	-13	-62.28	-74.55	-73.95	-1.33
344.26	H	-71.59	-13	-58.59	-71.87	-70.35	-1.24
32.23	V	-65.31	-13	-52.31	-63.42	-46.36	-18.95
46.29	V	-70.41	-13	-57.41	-69.57	-53.63	-16.78
122.56	V	-70.58	-13	-57.58	-72.93	-64.31	-6.27
177.65	V	-70.55	-13	-57.55	-72.81	-65.48	-5.07
352.56	V	-71.64	-13	-58.64	-74.5	-70.4	-1.24
490.26	V	-67.49	-13	-54.49	-72.47	-66.04	-1.45

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

Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 4, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 19957						
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)
3421.4	H	-41.85	-13	-28.85	-52.85	-48.3	6.45
5132.1	H	-30.02	-13	-17.02	-45.95	-35.45	5.43
10264.2	H	-42.23	-13	-29.23	-64.88	-43	0.77
3421.4	V	-39.69	-13	-26.69	-50.68	-46.14	6.45
5132.1	V	-24.34	-13	-11.34	-40.05	-29.77	5.43
10264.2	V	-39.61	-13	-26.61	-60.99	-40.38	0.77

Mode	LTE Band 4, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20175						
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)
3465	H	-41.1	-13	-28.1	-52.28	-47.43	6.33
5197.5	H	-29.82	-13	-16.82	-45.77	-35.22	5.4
10395	H	-41.37	-13	-28.37	-63.79	-41.95	0.58
3465	V	-39.25	-13	-26.25	-50.46	-45.58	6.33
5197.5	V	-23.85	-13	-10.85	-39.54	-29.25	5.4
10395	V	-39.27	-13	-26.27	-60.72	-39.85	0.58

Mode	LTE Band 4, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 20393						
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)
3508.6	H	-41.52	-13	-28.52	-52.88	-47.73	6.21
5262.9	H	-29.99	-13	-16.99	-45.95	-35.53	5.54
10525.8	H	-41.77	-13	-28.77	-64	-42.19	0.42
3508.6	V	-39.37	-13	-26.37	-50.78	-45.58	6.21
5262.9	V	-24.37	-13	-11.37	-40.17	-29.91	5.54
10525.8	V	-39.88	-13	-26.88	-61.39	-40.3	0.42

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

Mode	LTE Band 4, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 19965						
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)
3423	H	-41.65	-13	-28.65	-52.66	-48.1	6.45
5134.5	H	-30.46	-13	-17.46	-46.39	-35.89	5.43
10269	H	-41.56	-13	-28.56	-64.2	-42.32	0.76
3423	V	-39.29	-13	-26.29	-50.28	-45.74	6.45
5134.5	V	-24.49	-13	-11.49	-40.2	-29.92	5.43
10269	V	-40.46	-13	-27.46	-61.85	-41.22	0.76

Mode	LTE Band 4, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20175						
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)
3465	H	-40.56	-13	-27.56	-51.74	-46.89	6.33
5197.5	H	-29.59	-13	-16.59	-45.54	-34.99	5.4
10395	H	-42.26	-13	-29.26	-64.68	-42.84	0.58
3465	V	-39.58	-13	-26.58	-50.79	-45.91	6.33
5197.5	V	-24.37	-13	-11.37	-40.06	-29.77	5.4
10395	V	-40.35	-13	-27.35	-61.8	-40.93	0.58

Mode	LTE Band 4, QPSK, CB:3 MHz, 1 RB Offset 8, Channel: 20385						
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)
3507	H	-41.89	-13	-28.89	-53.24	-48.11	6.22
5260.5	H	-30.26	-13	-17.26	-46.22	-35.8	5.54
10521	H	-41.59	-13	-28.59	-63.83	-42.01	0.42
3507	V	-40.49	-13	-27.49	-51.9	-46.71	6.22
5260.5	V	-24.59	-13	-11.59	-40.39	-30.13	5.54
10521	V	-39.58	-13	-26.58	-61.09	-40	0.42

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

Mode	LTE Band 4, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 19975						
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)
3425	H	-42.26	-13	-29.26	-53.27	-48.7	6.44
5137.5	H	-29.76	-13	-16.76	-45.69	-35.19	5.43
10275	H	-41.59	-13	-28.59	-64.22	-42.34	0.75
3425	V	-39.45	-13	-26.45	-50.45	-45.89	6.44
5137.5	V	-25.26	-13	-12.26	-40.97	-30.69	5.43
10275	V	-40.31	-13	-27.31	-61.71	-41.06	0.75

Mode	LTE Band 4, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20175						
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)
3465	H	-41.58	-13	-28.58	-52.76	-47.91	6.33
5197.5	H	-29.46	-13	-16.46	-45.41	-34.86	5.4
10395	H	-42.34	-13	-29.34	-64.76	-42.92	0.58
3465	V	-39.6	-13	-26.6	-50.81	-45.93	6.33
5197.5	V	-24.26	-13	-11.26	-39.95	-29.66	5.4
10395	V	-40.12	-13	-27.12	-61.57	-40.7	0.58

Mode	LTE Band 4, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 20375						
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)
3505	H	-42.46	-13	-29.46	-53.8	-48.68	6.22
5257.5	H	-30.58	-13	-17.58	-46.54	-35.91	5.33
10515	H	-42.65	-13	-29.65	-64.89	-43.08	0.43
3505	V	-39.88	-13	-26.88	-51.28	-46.1	6.22
5257.5	V	-24.67	-13	-11.67	-40.46	-30	5.33
10515	V	-40.21	-13	-27.21	-61.72	-40.64	0.43

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

Mode	LTE Band 4, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20000						
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)
3430	H	-42.65	-13	-29.65	-53.68	-49.08	6.43
5145	H	-29.48	-13	-16.48	-45.41	-34.9	5.42
10290	H	-43.66	-13	-30.66	-66.27	-44.39	0.73
3430	V	-39.58	-13	-26.58	-50.61	-46.01	6.43
5145	V	-24.65	-13	-11.65	-40.36	-30.07	5.42
10290	V	-40.6	-13	-27.6	-62	-41.33	0.73

Mode	LTE Band 4, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20275						
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)
3465	H	-42.64	-13	-29.64	-53.82	-48.97	6.33
5197.5	H	-29.66	-13	-16.66	-45.61	-35.06	5.4
10395	H	-41.95	-13	-28.95	-64.37	-42.53	0.58
3465	V	-39.45	-13	-26.45	-50.66	-45.78	6.33
5197.5	V	-24.39	-13	-11.39	-40.08	-29.79	5.4
10395	V	-40.37	-13	-27.37	-61.82	-40.95	0.58

Mode	LTE Band 4, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 20350						
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)
3500	H	-42.89	-13	-29.89	-54.21	-49.13	6.24
5250	H	-31.46	-13	-18.46	-47.42	-36.97	5.51
10500	H	-41.56	-13	-28.56	-63.8	-42	0.44
3500	V	-39.58	-13	-26.58	-50.96	-45.82	6.24
5250	V	-24.67	-13	-11.67	-40.45	-30.18	5.51
10500	V	-41.95	-13	-28.95	-63.45	-42.39	0.44

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

Mode	LTE Band 4, QPSK, CB:15 MHz, 1 RB Offset 37, Channel: 20025						
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)
3435	H	-41.46	-13	-28.46	-52.52	-47.87	6.41
5152.5	H	-29.26	-13	-16.26	-45.19	-34.68	5.42
10305	H	-43.55	-13	-30.55	-66.13	-44.26	0.71
3435	V	-39.47	-13	-26.47	-50.53	-45.88	6.41
5152.5	V	-24.66	-13	-11.66	-40.36	-30.08	5.42
10305	V	-40.58	-13	-27.58	-61.99	-41.29	0.71

Mode	LTE Band 4, QPSK, CB:15 MHz, 1 RB Offset 37, Channel: 20175						
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)
3465	H	-42.26	-13	-29.26	-53.44	-48.59	6.33
5197.5	H	-29.55	-13	-16.55	-45.5	-34.95	5.4
10395	H	-42.46	-13	-29.46	-64.88	-43.04	0.58
3465	V	-39.35	-13	-26.35	-50.56	-45.68	6.33
5197.5	V	-25.16	-13	-12.16	-40.85	-30.56	5.4
10395	V	-40.47	-13	-27.47	-61.92	-41.05	0.58

Mode	LTE Band 4, QPSK, CB:15 MHz, 1 RB Offset 37, Channel: 20325						
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)
3495	H	-43.46	-13	-30.46	-54.77	-49.71	6.25
5242.5	H	-29.69	-13	-16.69	-45.65	-35.19	5.5
10485	H	-41.28	-13	-28.28	-63.55	-41.74	0.46
3495	V	-39.46	-13	-26.46	-50.81	-45.71	6.25
5242.5	V	-24.63	-13	-11.63	-40.4	-30.13	5.5
10485	V	-41.59	-13	-28.59	-63.09	-42.05	0.46

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

Mode	LTE Band 4, QPSK, CB:20 MHz, 1 RB Offset 49, Channel: 20050						
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)
3440	H	-41.98	-13	-28.98	-53.06	-48.38	6.4
5160	H	-30.3	-13	-17.3	-46.24	-35.72	5.42
10320	H	-42.26	-13	-29.26	-64.81	-42.95	0.69
3440	V	-40.09	-13	-27.09	-51.17	-46.49	6.4
5160	V	-25.01	-13	-12.01	-40.71	-30.43	5.42
10320	V	-39.82	-13	-26.82	-61.23	-40.51	0.69

Mode	LTE Band 4, QPSK, CB:20 MHz, 1 RB Offset 49, Channel: 20175						
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)
3465	H	-41.47	-13	-28.47	-52.65	-47.8	6.33
5197.5	H	-30.01	-13	-17.01	-45.96	-35.41	5.4
10395	H	-41.77	-13	-28.77	-64.19	-42.35	0.58
3465	V	-39.73	-13	-26.73	-50.94	-46.06	6.33
5197.5	V	-24.52	-13	-11.52	-40.21	-29.92	5.4
10395	V	-39.73	-13	-26.73	-61.18	-40.31	0.58

Mode	LTE Band 4, QPSK, CB:20 MHz, 1 RB Offset 49, Channel: 20300						
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)
3490	H	-42.04	-13	-29.04	-53.33	-48.3	6.26
5235	H	-30.26	-13	-17.26	-46.22	-35.74	5.48
10470	H	-41.84	-13	-28.84	-64.14	-42.32	0.48
3490	V	-39.94	-13	-26.94	-51.27	-46.2	6.26
5235	V	-25.17	-13	-12.17	-40.92	-30.65	5.48
10470	V	-40.78	-13	-27.78	-62.27	-41.26	0.48

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

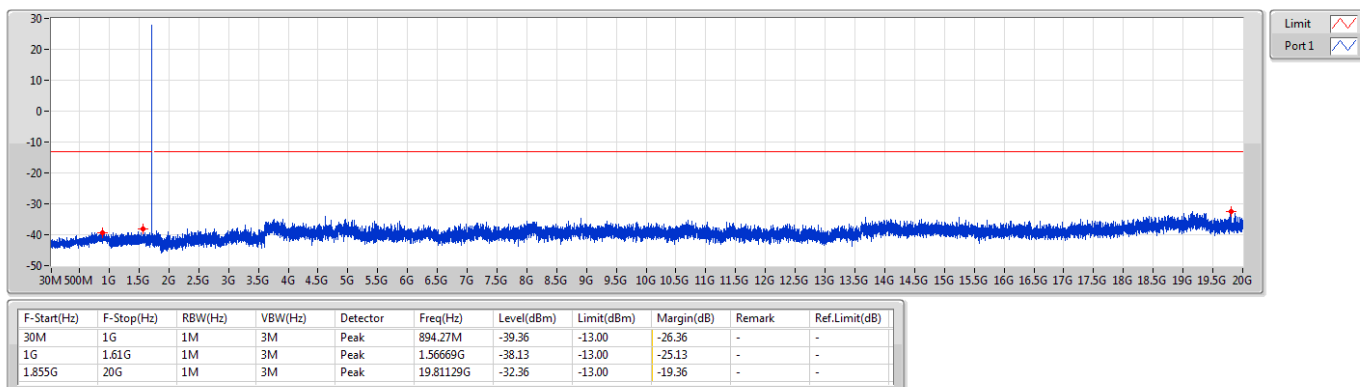
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 4	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.25333G	-31.91	-13.00	-18.91	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.22974G	-32.23	-13.00	-19.23	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.09094G	-31.52	-13.00	-18.52	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.49375G	-31.14	-13.00	-18.14	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.28962G	-31.89	-13.00	-18.89	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.1735G	-32.19	-13.00	-19.19	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.26513G	-32.34	-13.00	-19.34	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.1744G	-31.76	-13.00	-18.76	-	-
LTE_15MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.24154G	-30.27	-13.00	-17.27	-	-
LTE_15MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.14083G	-31.96	-13.00	-18.96	-	-
LTE_20MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.27329G	-31.56	-13.00	-18.56	-	-
LTE_20MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.2869G	-31.83	-13.00	-18.83	-	-

Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

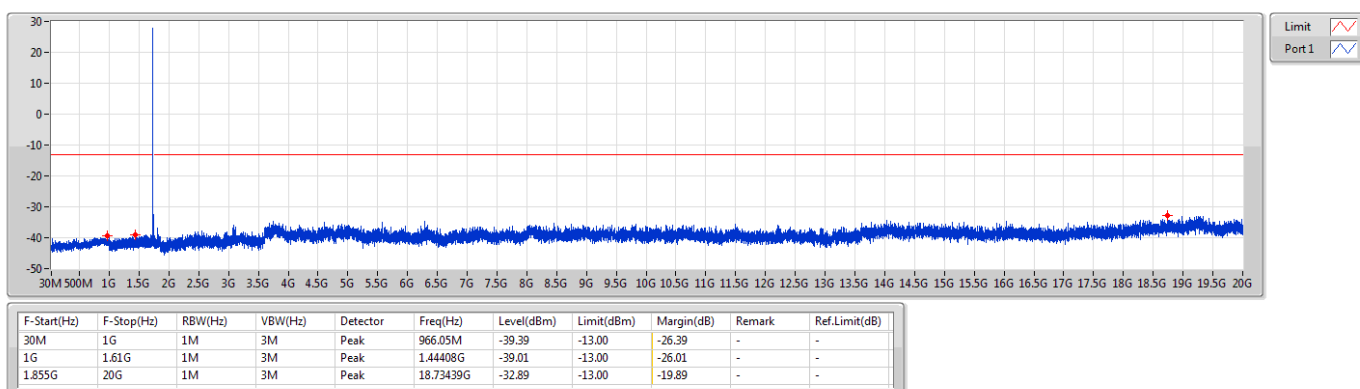
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Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

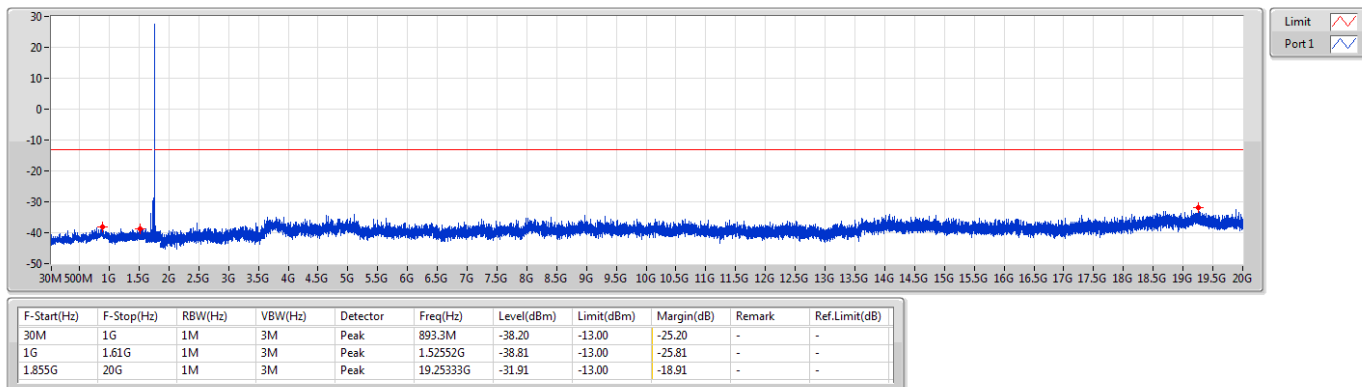
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Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

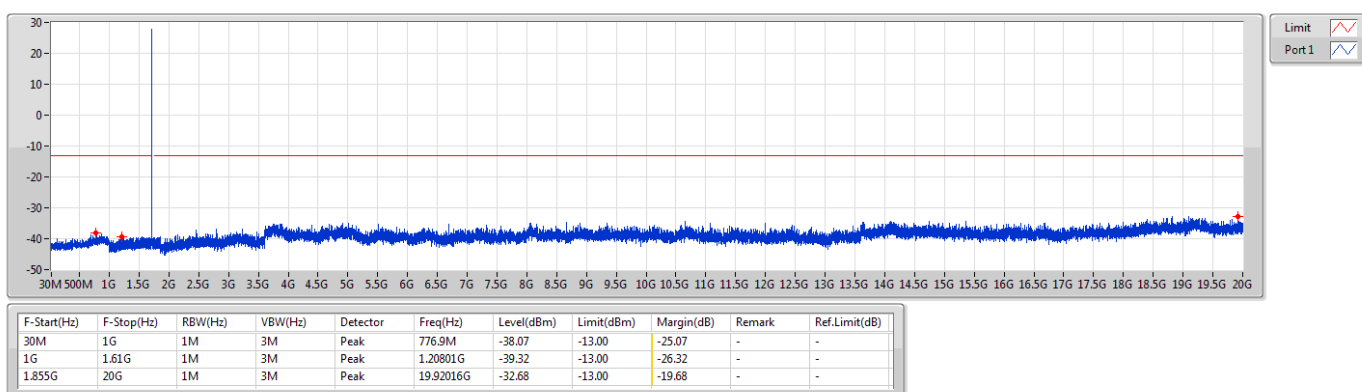
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Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

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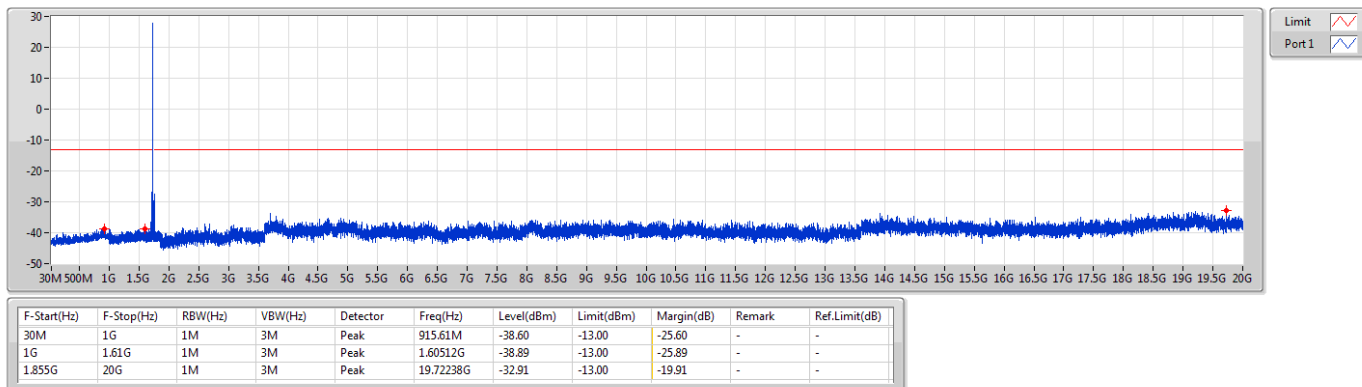
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Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

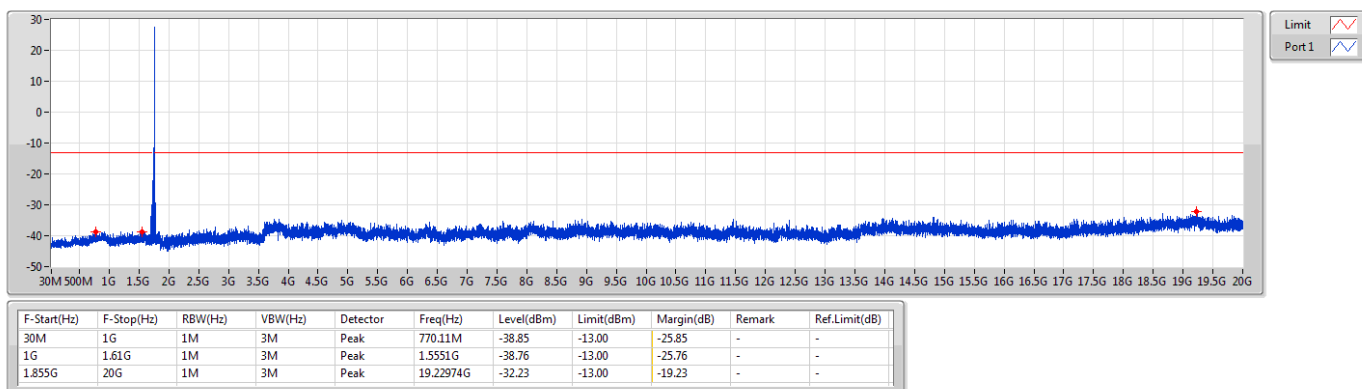
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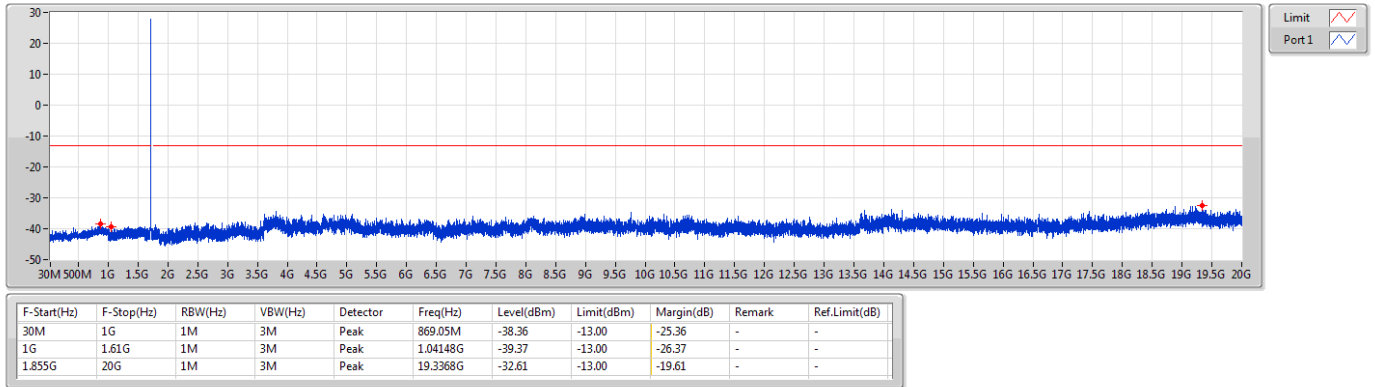
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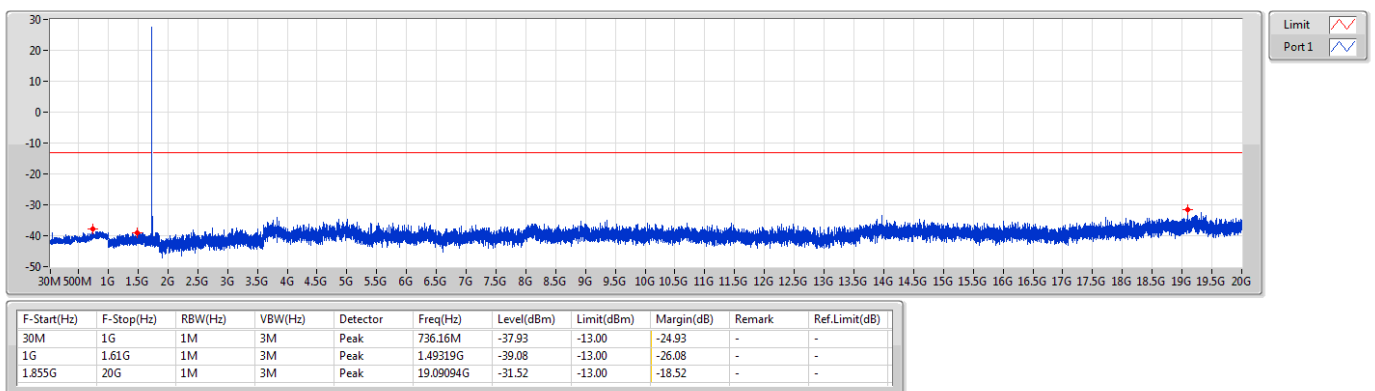
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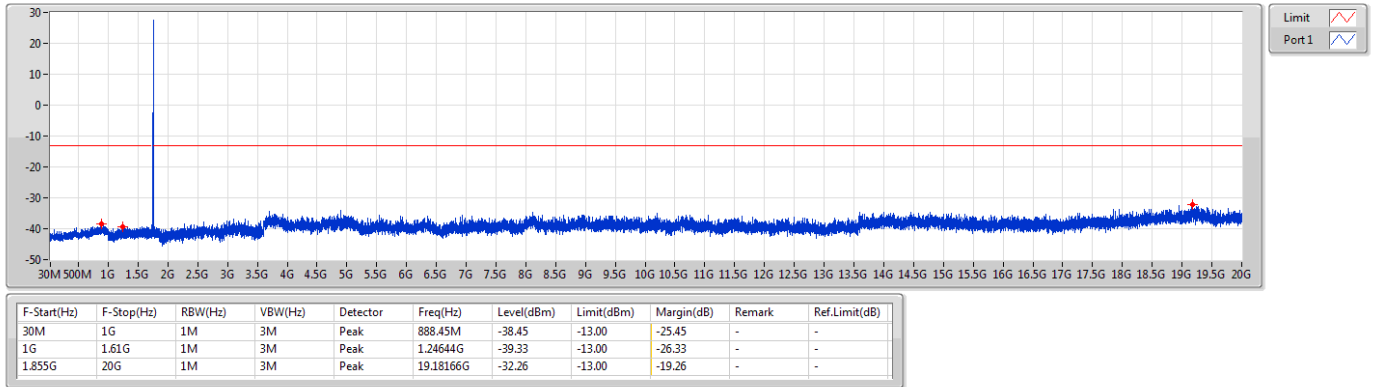
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CSE-TX-Sum



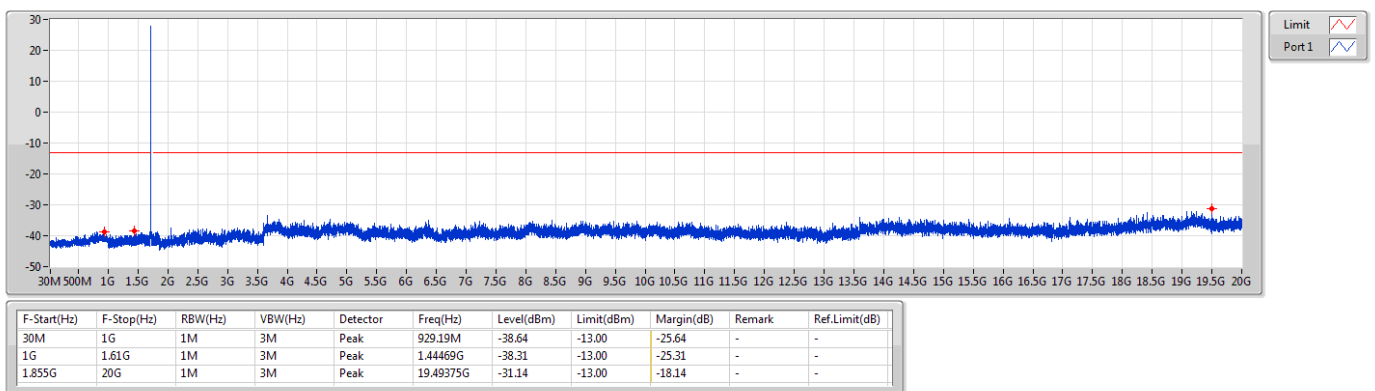
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CSE-TX-Sum



Band 4_LTE_3MHz_Nss1,16QAM_1TX
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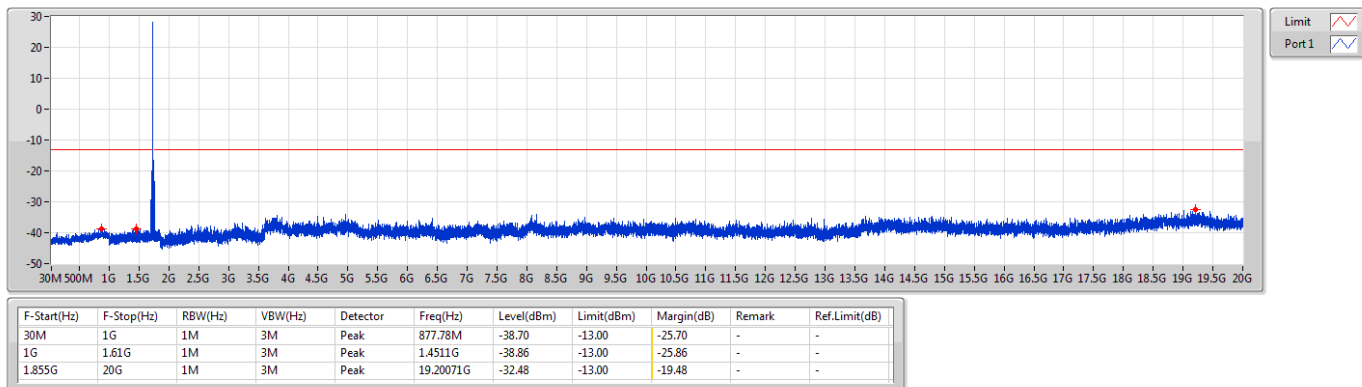
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Band 4_LTE_3MHz_Nss1,16QAM_1TX

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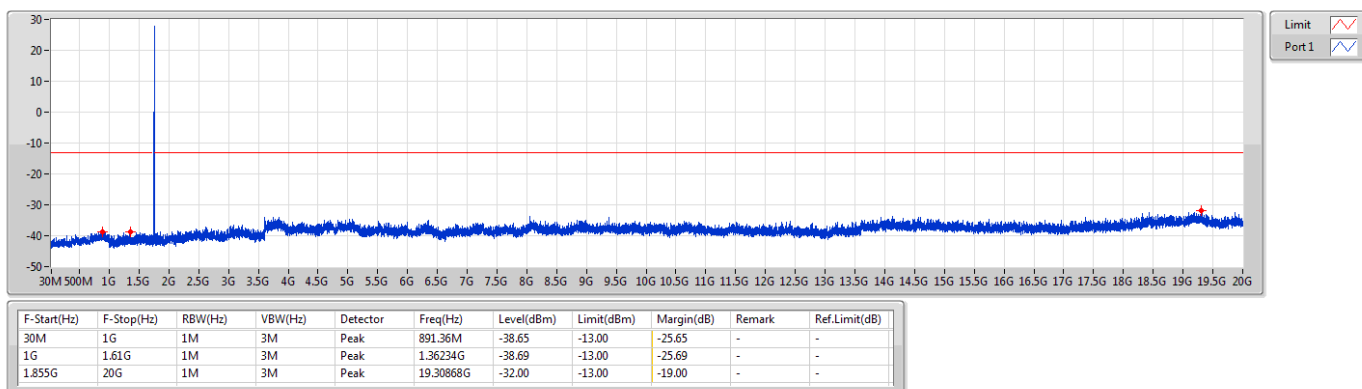
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Band 4_LTE_3MHz_Nss1,16QAM_1TX

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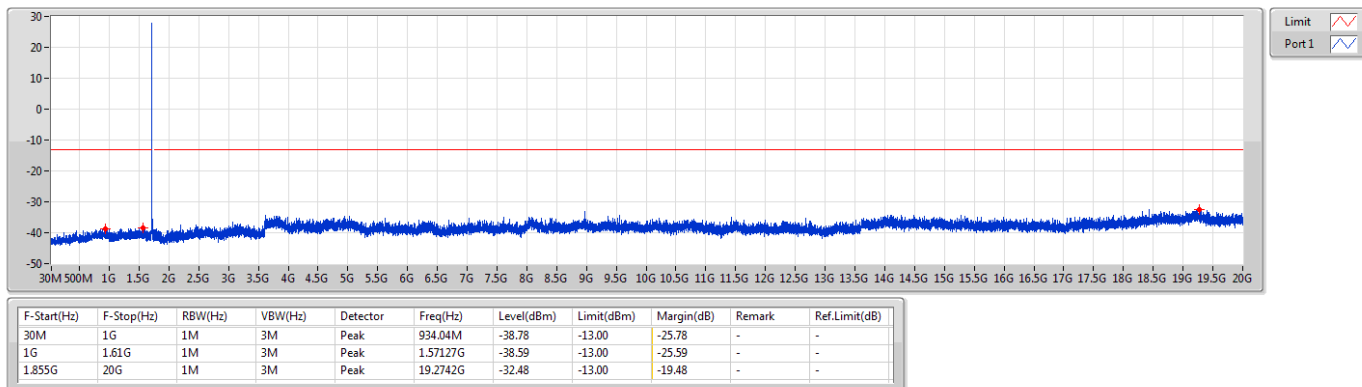
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Band 4_LTE_5MHz_Nss1,QPSK_1TX

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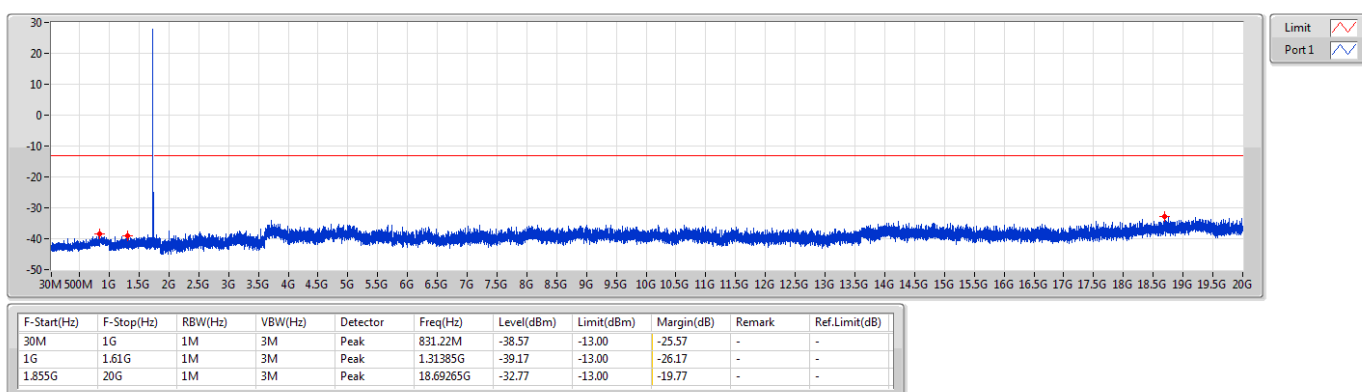
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Band 4_LTE_5MHz_Nss1,QPSK_1TX

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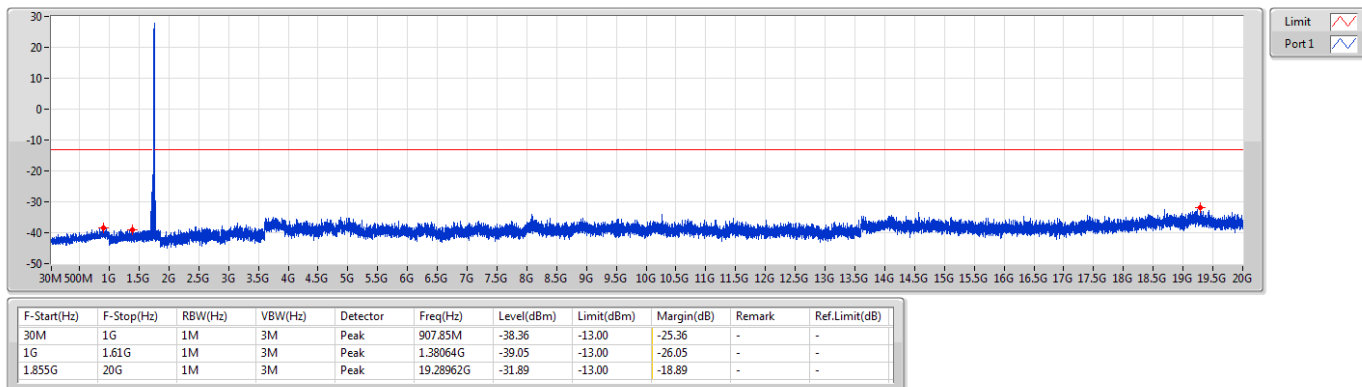
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Band 4_LTE_5MHz_Nss1,QPSK_1TX

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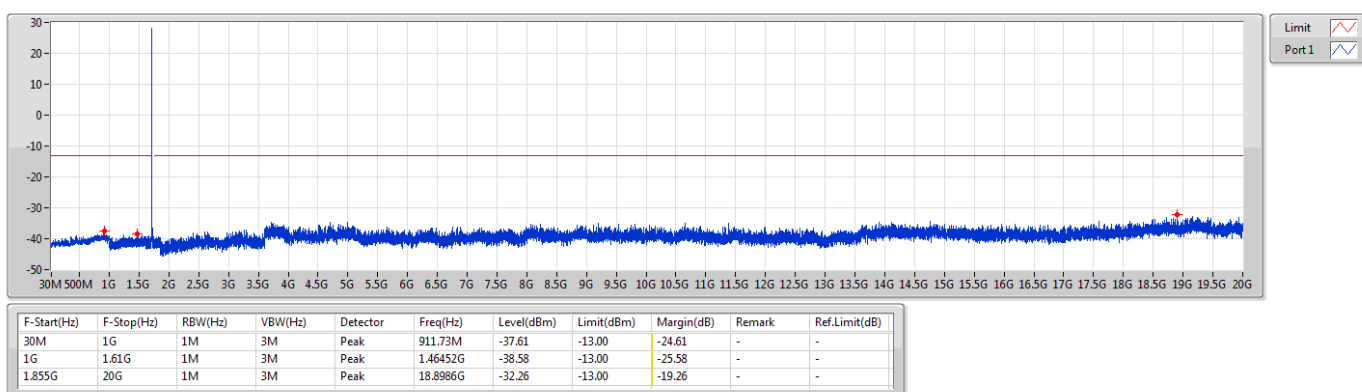
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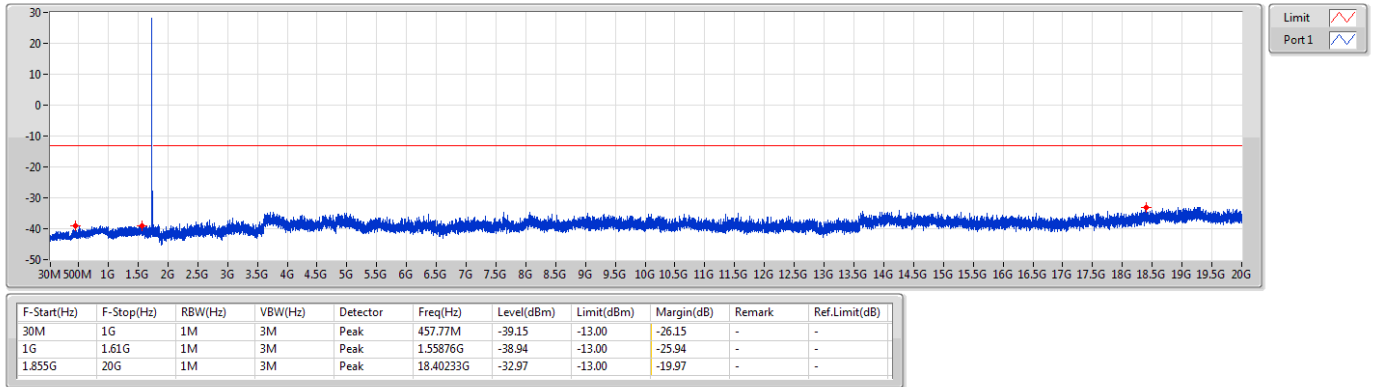
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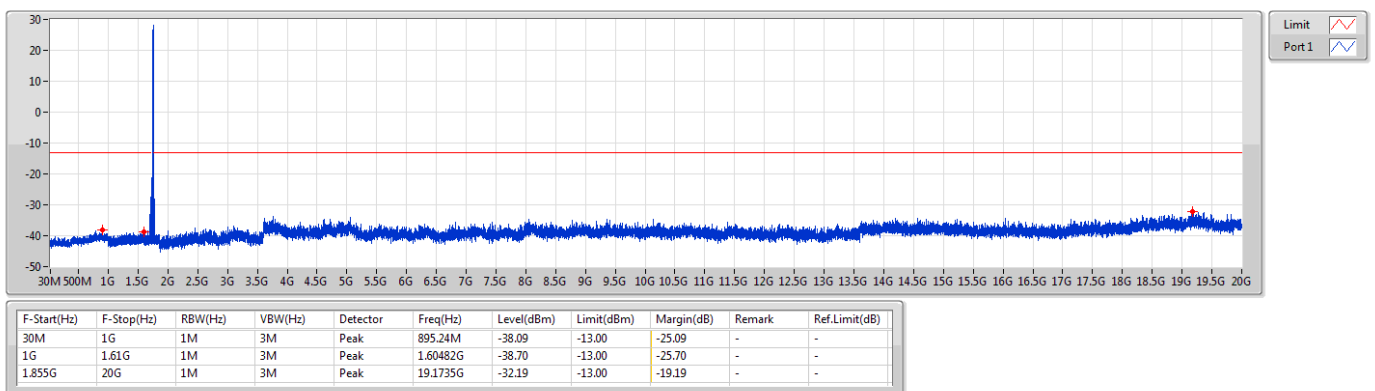
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CSE-TX-Sum



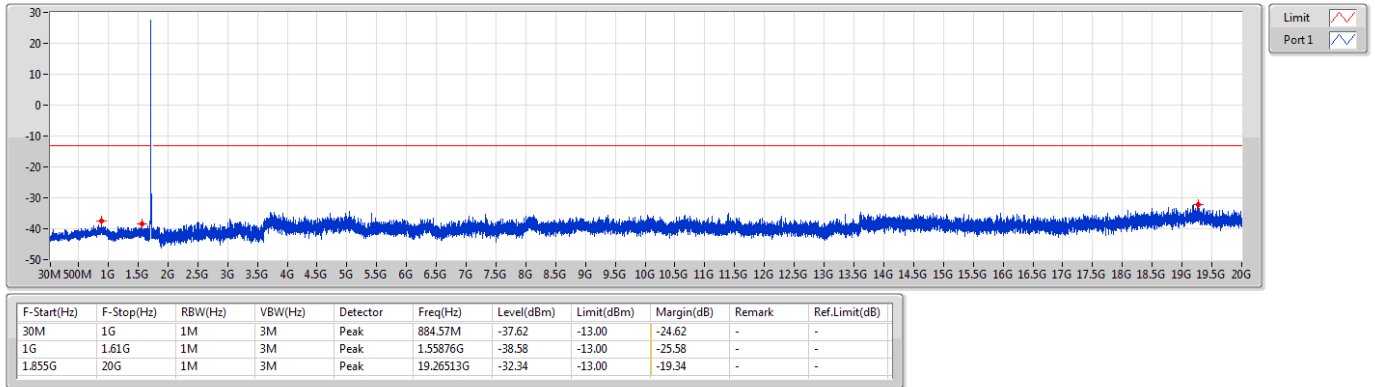
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CSE-TX-Sum



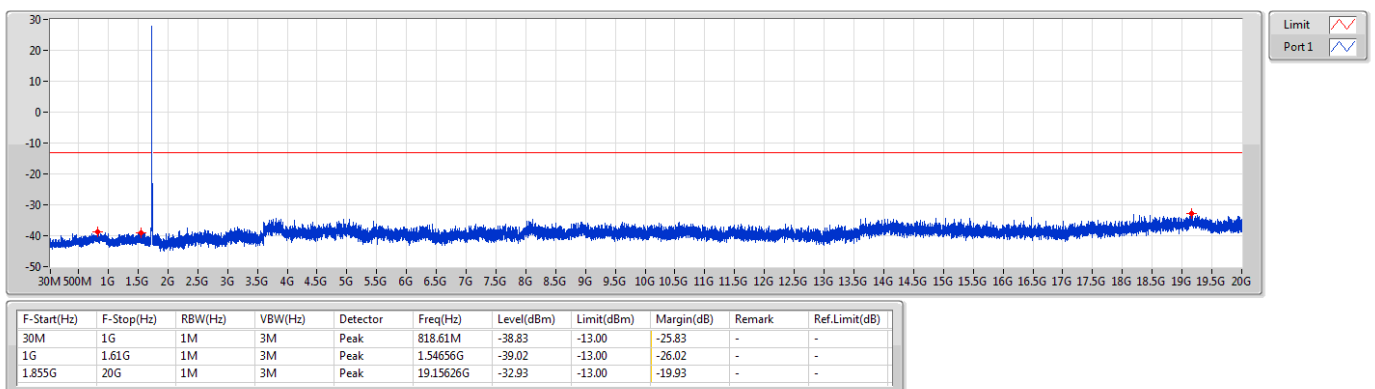
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CSE-TX-Sum



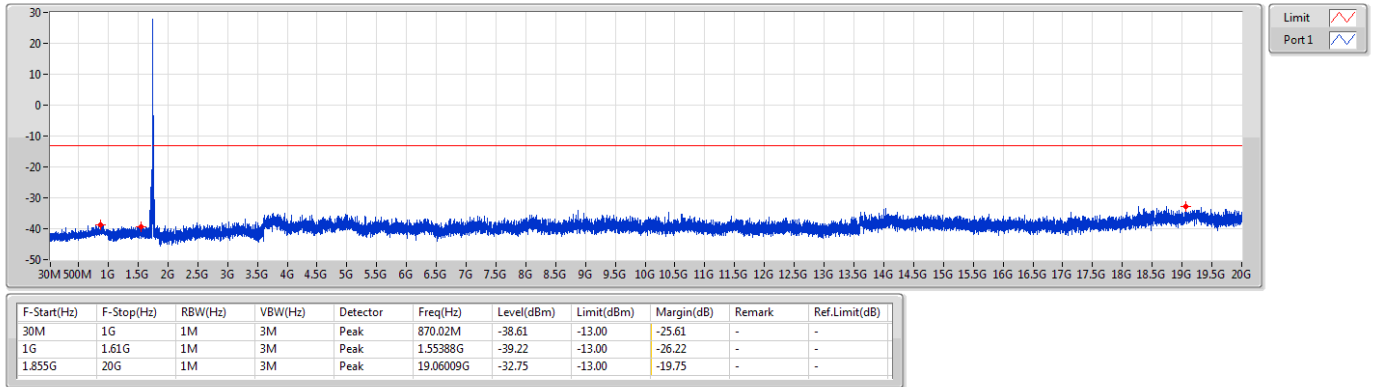
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1732.5MHz_QPSK_RB 1,#RB 25

CSE-TX-Sum



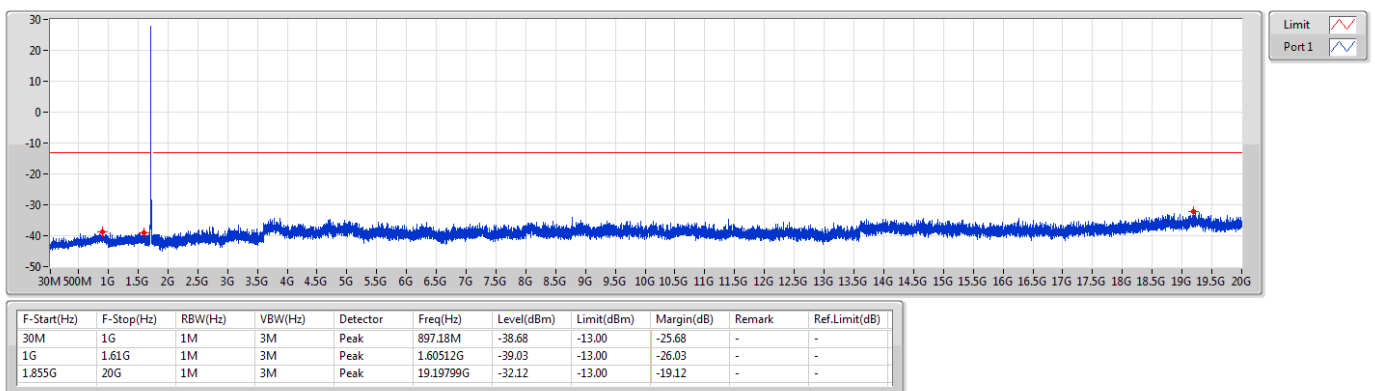
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CSE-TX-Sum



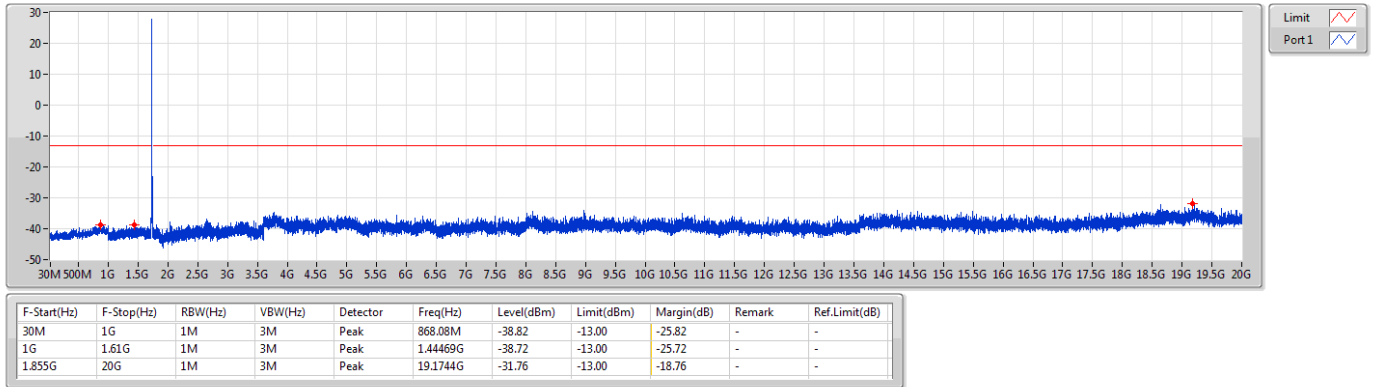
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CSE-TX-Sum



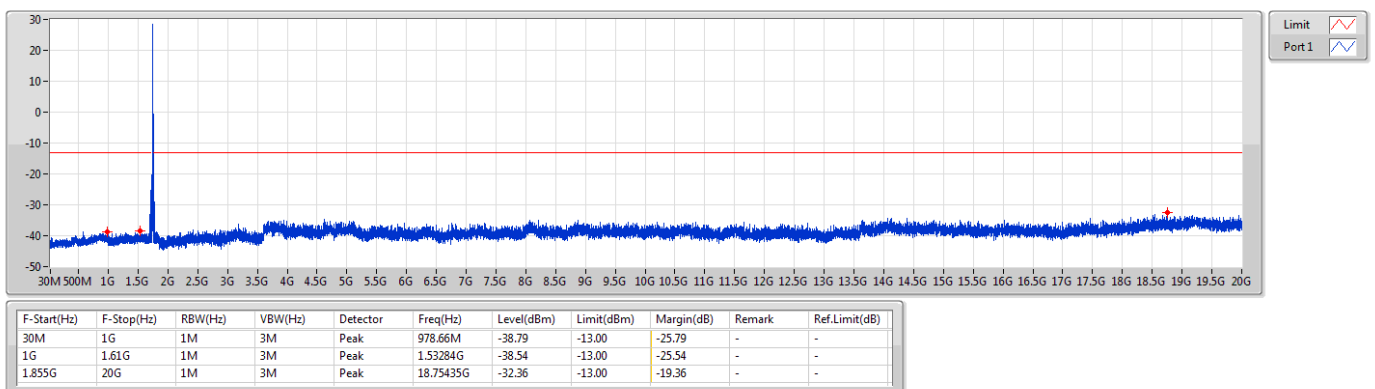
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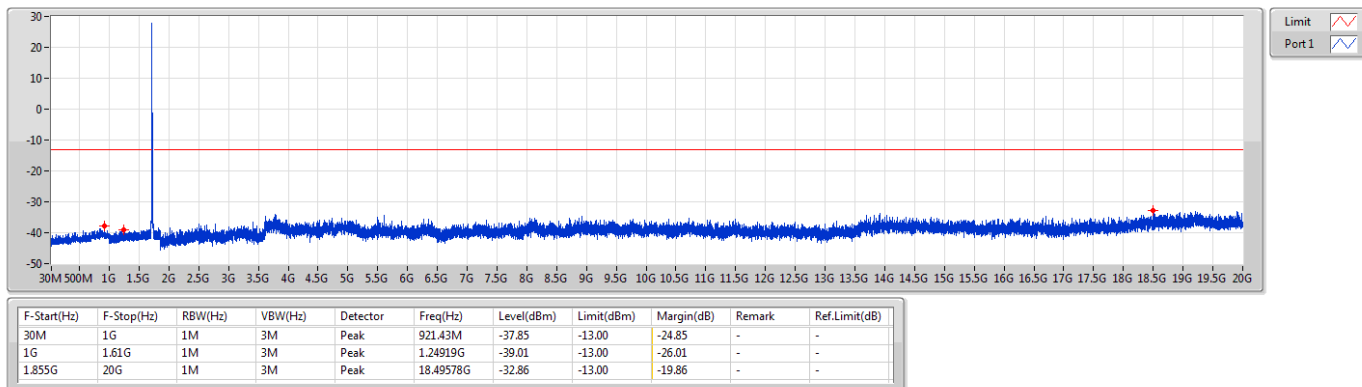
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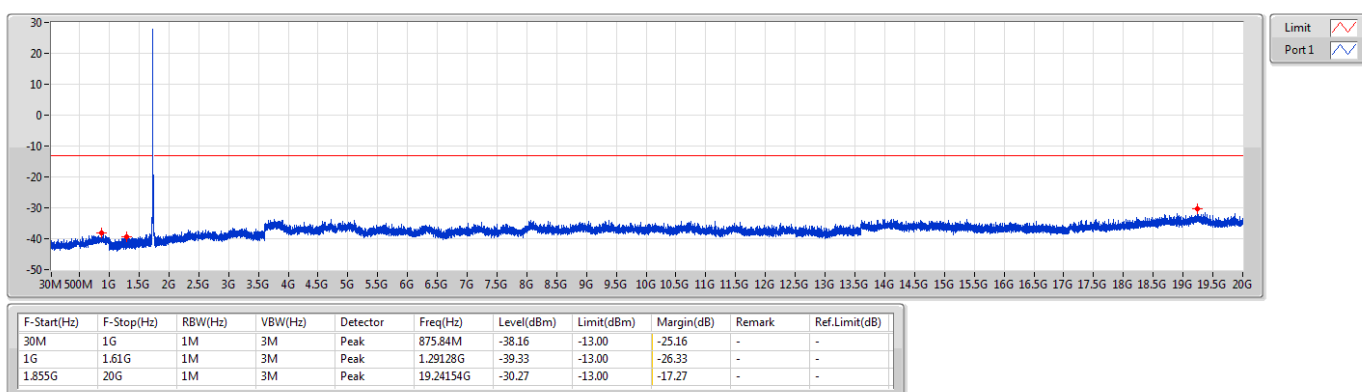
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Band 4_LTE_15MHz_Nss1,QPSK_1TX

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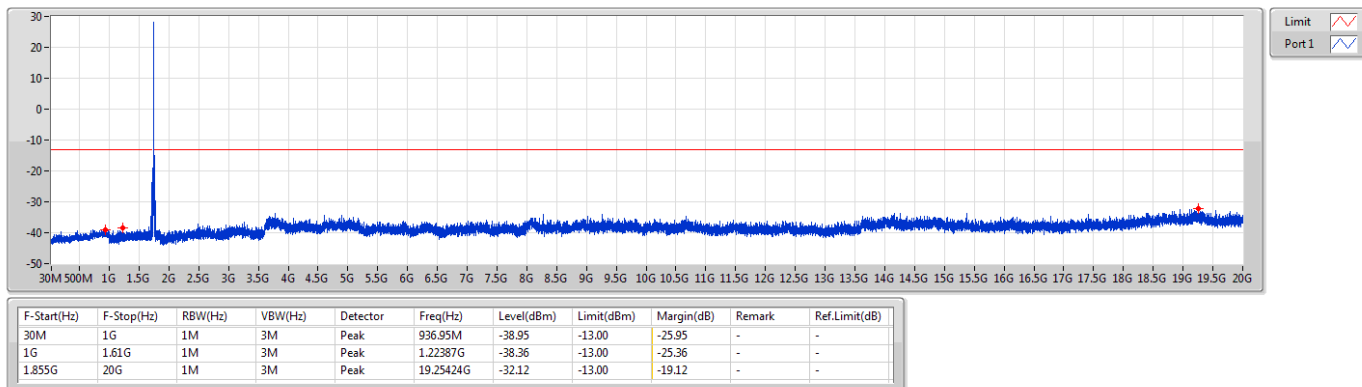
1732.5MHz_QPSK_RB 1,#RB 37



Band 4_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Sum

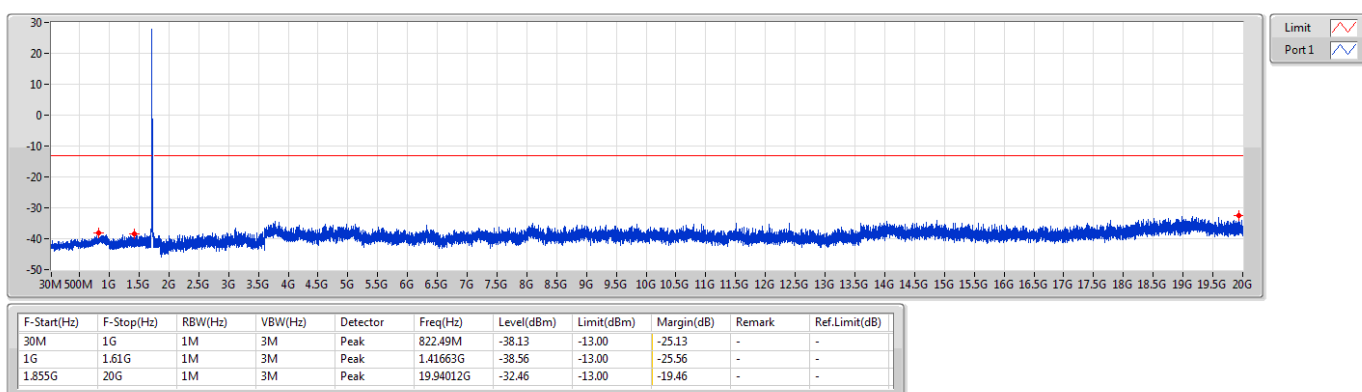
1747.5MHz_QPSK_RB 1,#RB 37



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

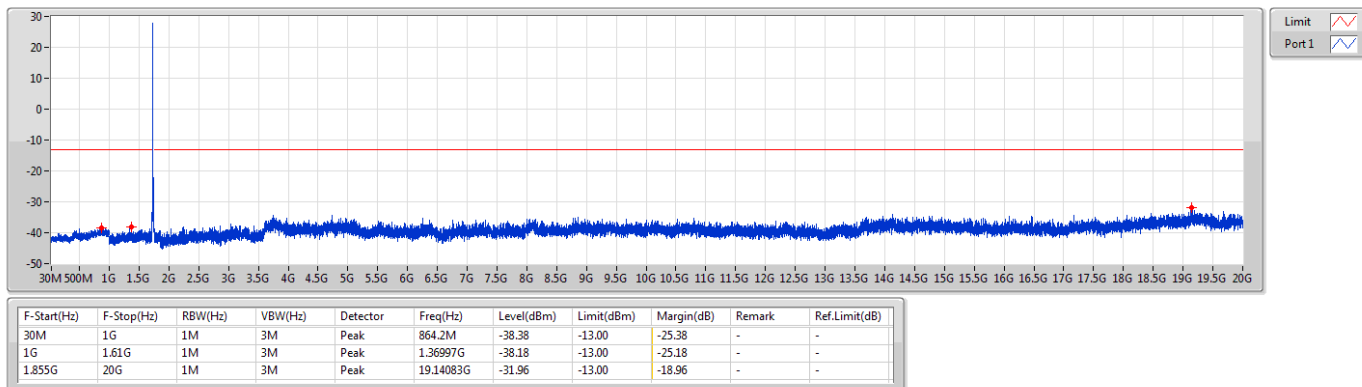
1717.5MHz_16QAM_RB 1,#RB 37



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

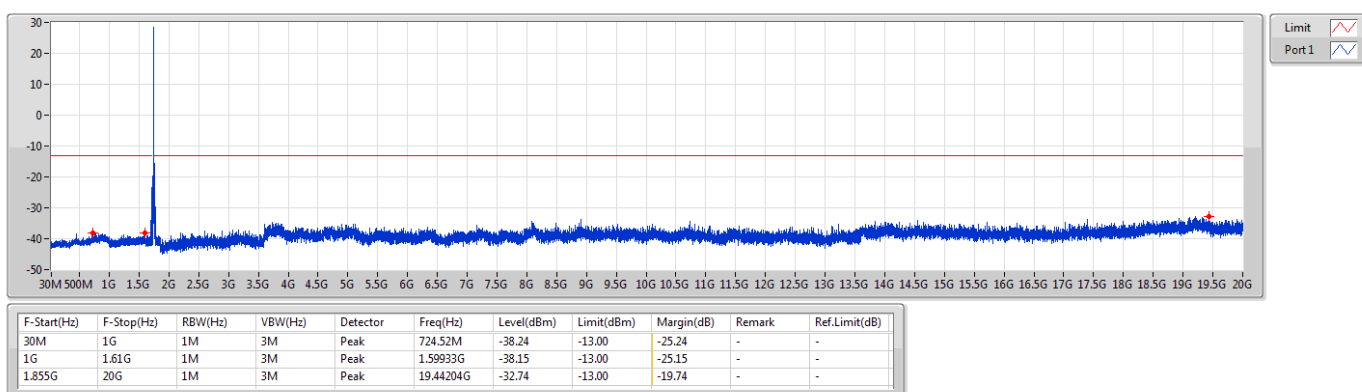
1732.5MHz_16QAM_RB 1,#RB 37



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

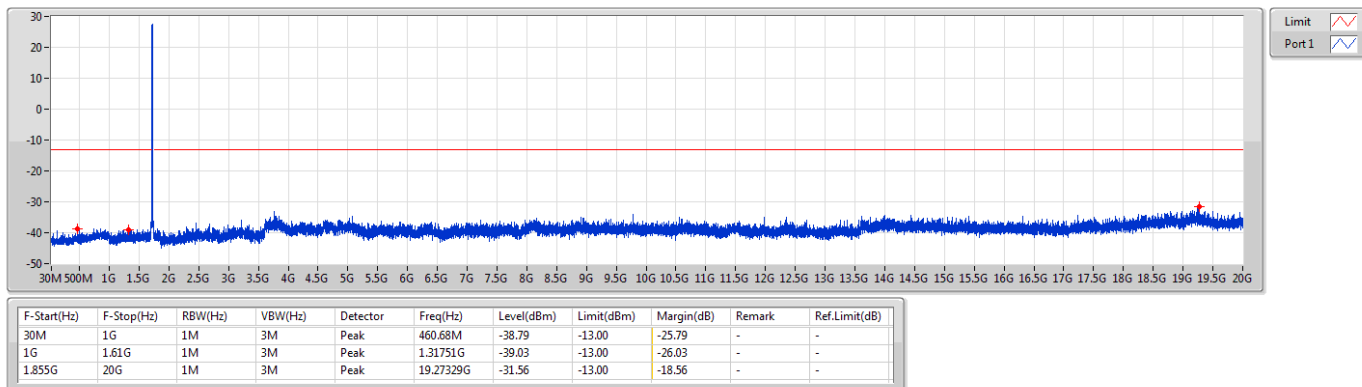
1747.5MHz_16QAM_RB 1,#RB 37



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

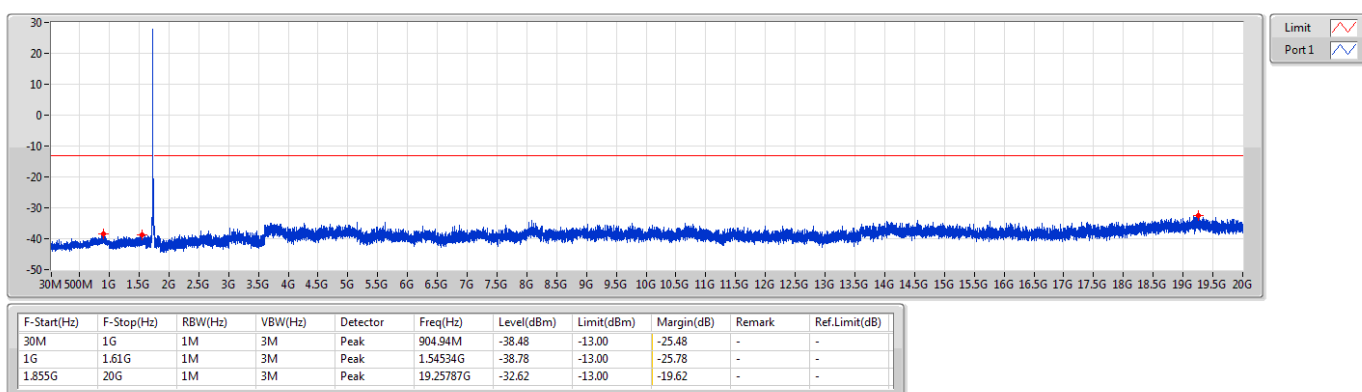
1720MHz_QPSK_RB 1,#RB 49



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

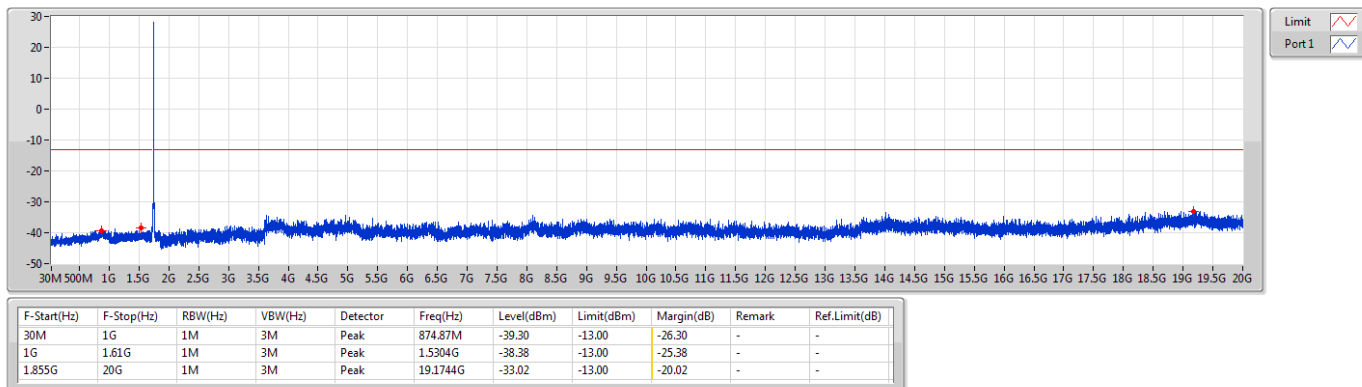
1732.5MHz_QPSK_RB 1,#RB 49



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

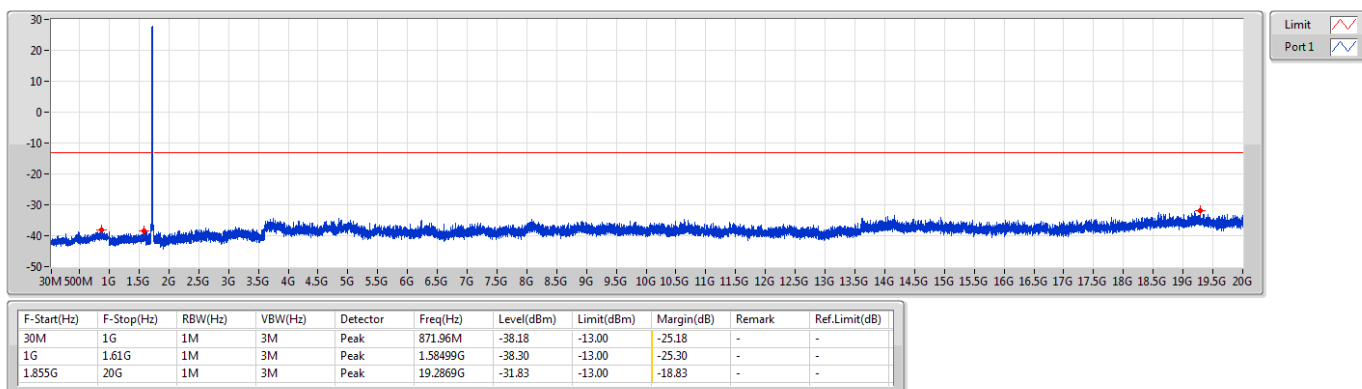
1745MHz_QPSK_RB 1,#RB 49



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

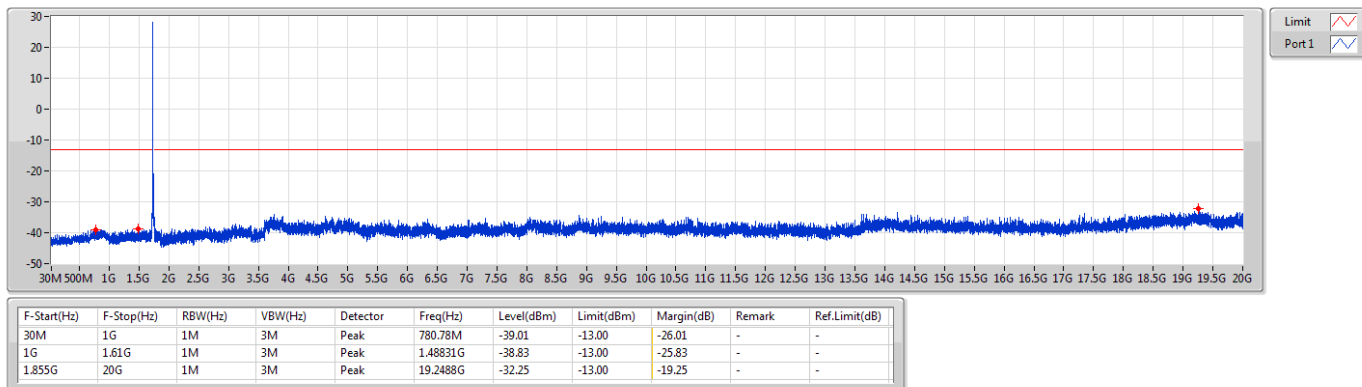
1720MHz_16QAM_RB 1,#RB 49



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

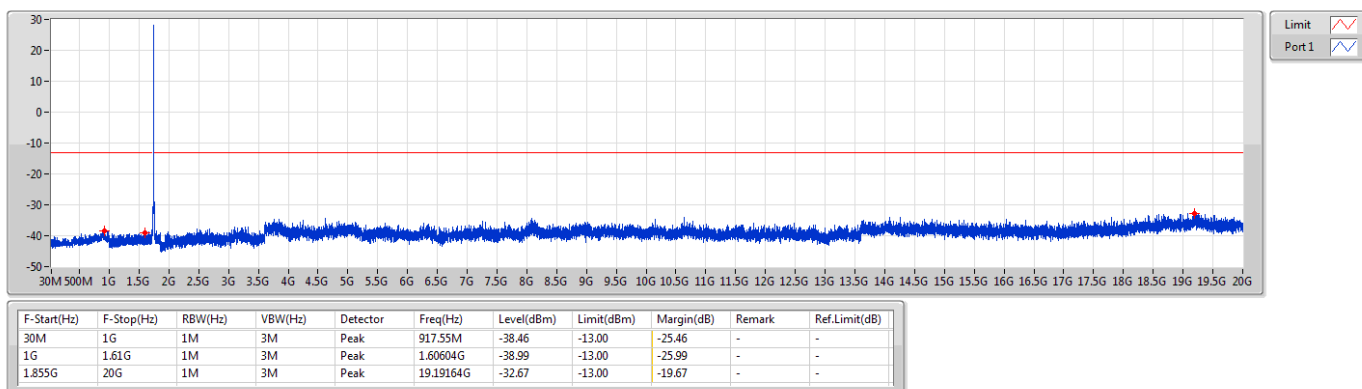
1732.5MHz_16QAM_RB 1,#RB 49



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

1745MHz_16QAM_RB 1,#RB 49

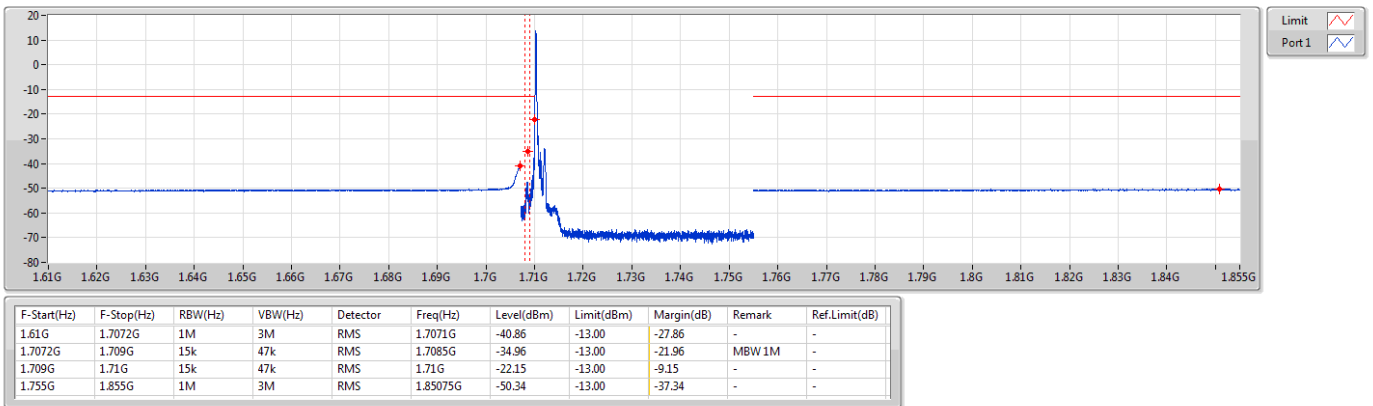


**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 4	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1.709G	1.71G	15k	47k	RMS	1.71G	-22.15	-13.00	-9.15	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1.755G	1.756G	15k	47k	RMS	1.755G	-20.13	-13.00	-7.13	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	1.755G	1.756G	30k	100k	RMS	1.755G	-19.58	-13.00	-6.58	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	1.755G	1.756G	30k	100k	RMS	1.755G	-18.28	-13.00	-5.28	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1.755G	1.756G	51k	160k	RMS	1.755G	-18.75	-13.00	-5.75	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	1.709G	1.71G	51k	160k	RMS	1.71G	-18.06	-13.00	-5.06	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1.755G	1.756G	100k	300k	RMS	1.755G	-20.83	-13.00	-7.83	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	1.755G	1.756G	100k	300k	RMS	1.755G	-20.77	-13.00	-7.77	-	-
LTE_15MHz_Nss1,QPSK_1TX	Pass	1.709G	1.71G	150k	470k	RMS	1.71G	-22.42	-13.00	-9.42	-	-
LTE_15MHz_Nss1,16QAM_1TX	Pass	1.709G	1.71G	150k	470k	RMS	1.71G	-21.60	-13.00	-8.60	-	-
LTE_20MHz_Nss1,QPSK_1TX	Pass	1.709G	1.71G	200k	620k	RMS	1.71G	-25.05	-13.00	-12.05	-	-
LTE_20MHz_Nss1,16QAM_1TX	Pass	1.755G	1.756G	200k	620k	RMS	1.755G	-24.49	-13.00	-11.49	-	-

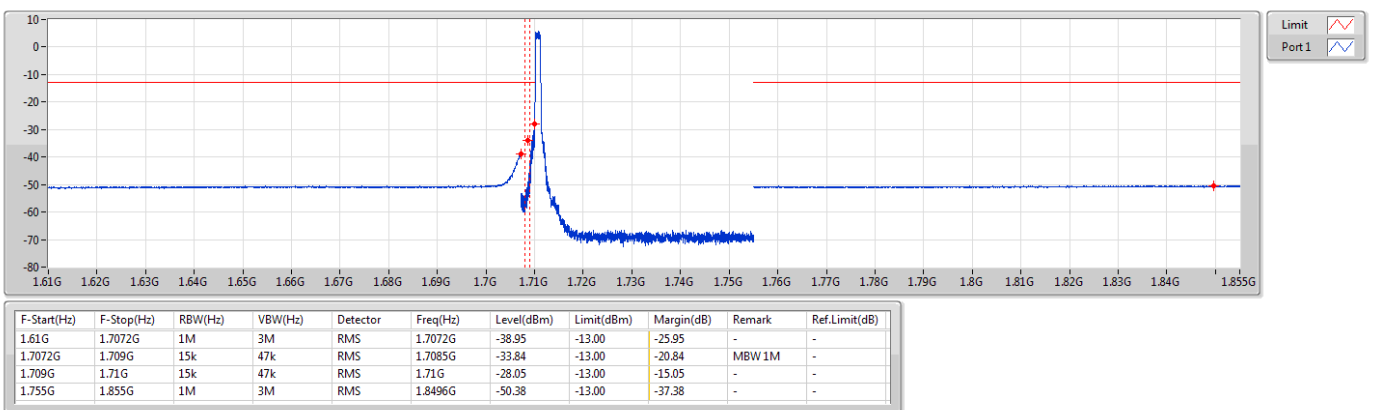
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 1,#RB 0

CSE-TX-Sum



Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 6,#RB 0

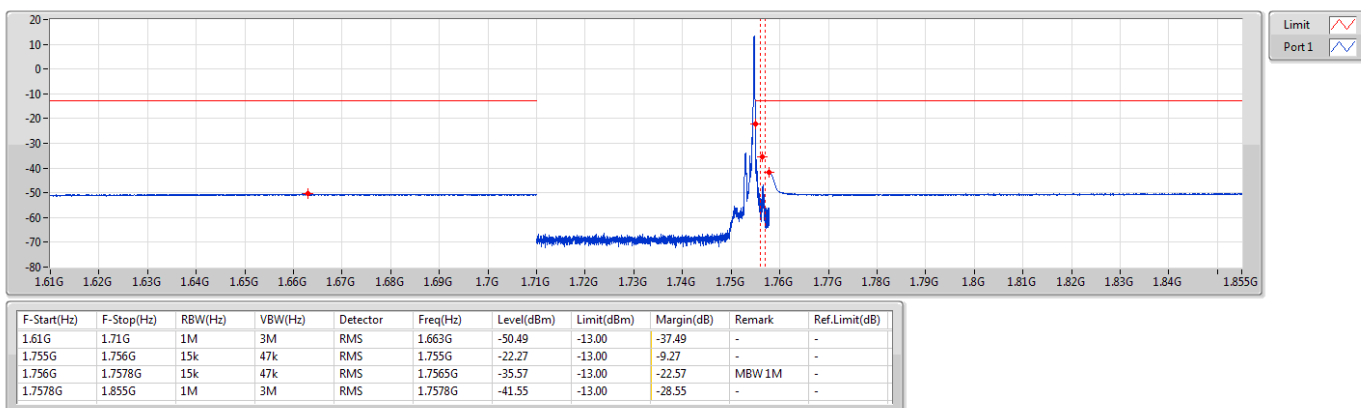
CSE-TX-Sum



Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

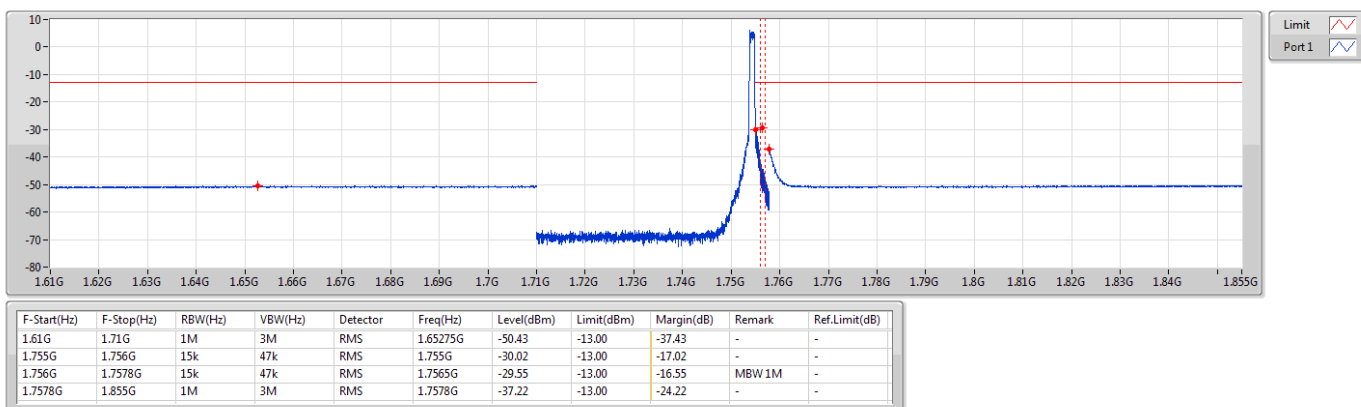
1754.3MHz_QPSK_RB 1,#RB 5



Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Sum

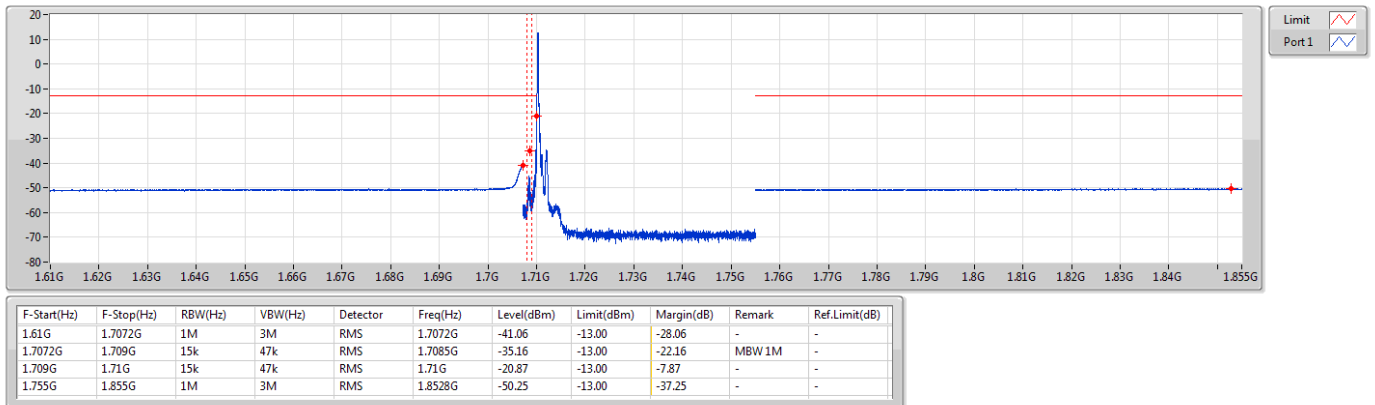
1754.3MHz_QPSK_RB 6,#RB 0



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

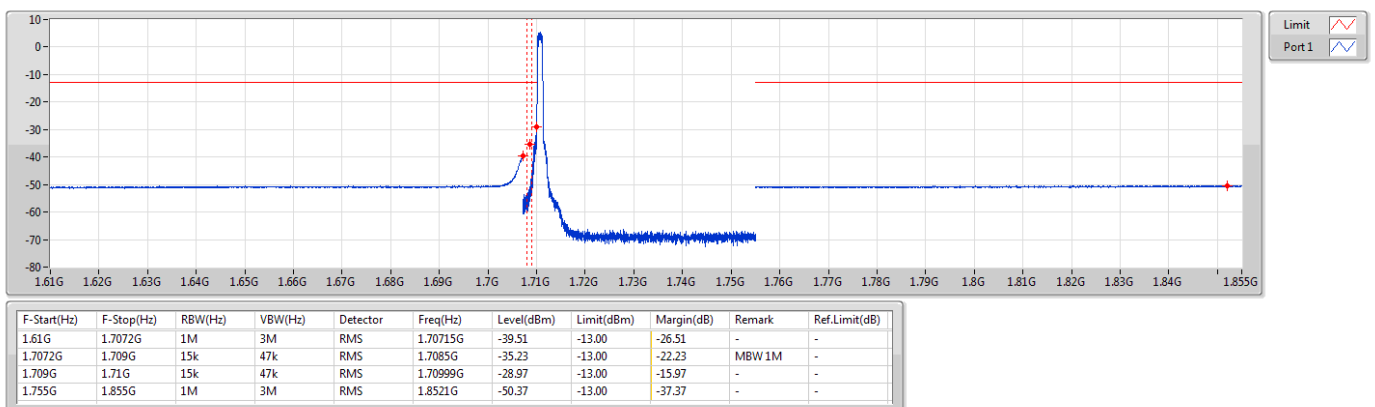
1710.7MHz_16QAM_RB 1,#RB 0



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

1710.7MHz_16QAM_RB 6,#RB 0

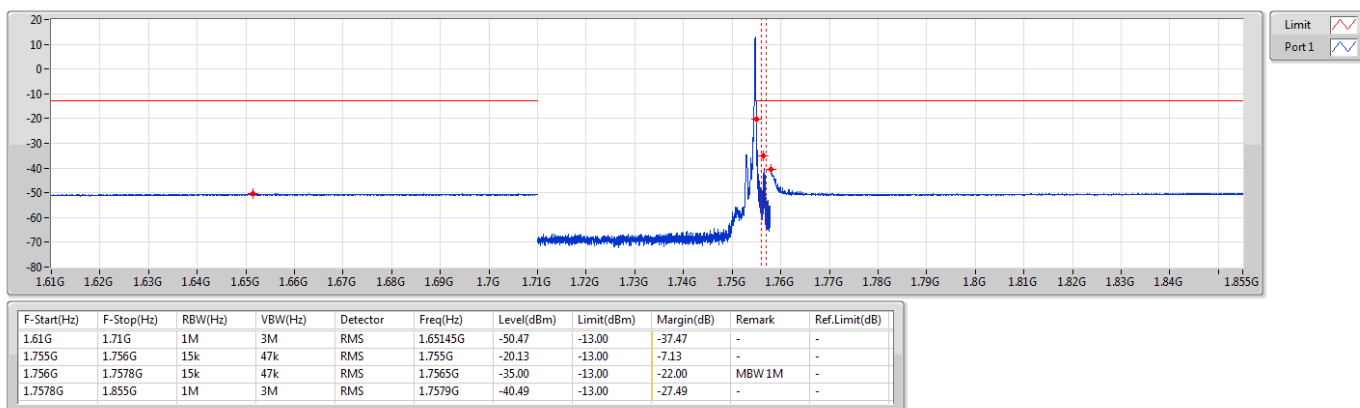




Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

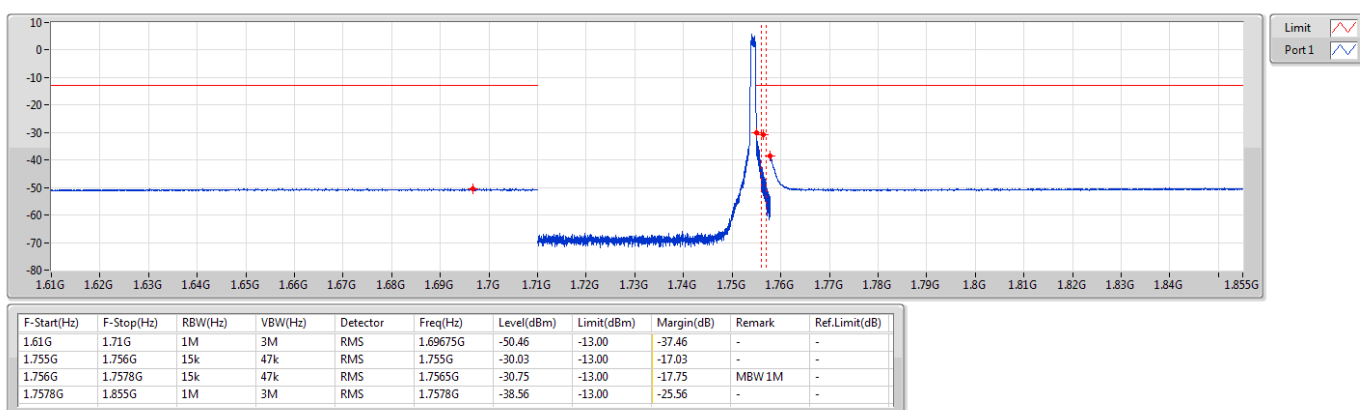
1754.3MHz_16QAM_RB 1,#RB 5



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Sum

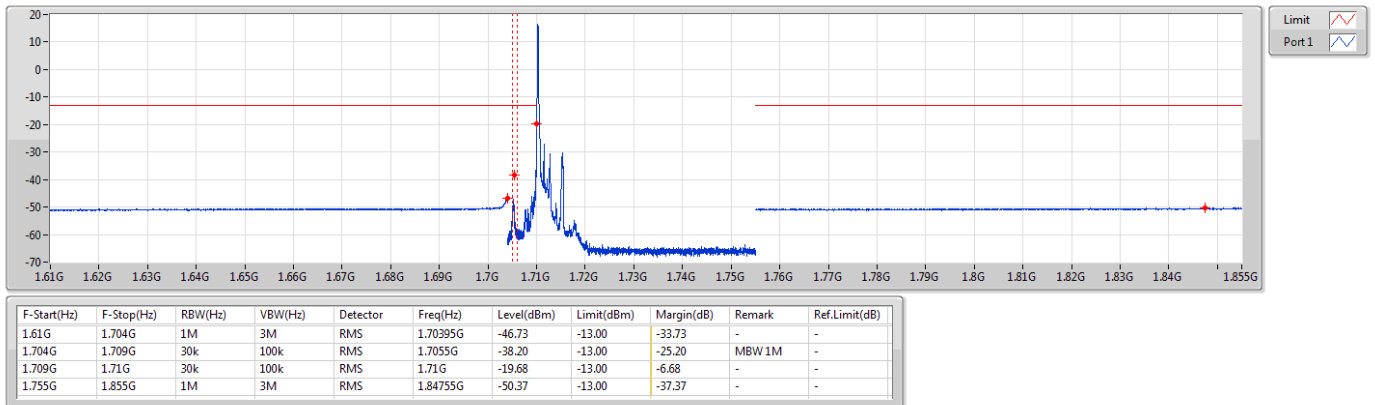
1754.3MHz_16QAM_RB 6,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

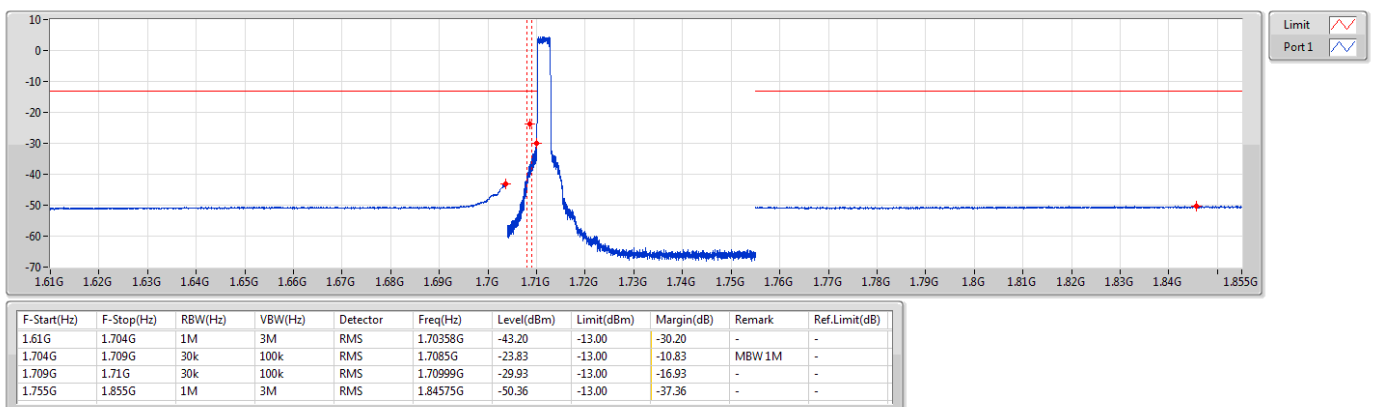
1711.5MHz_QPSK_RB 1,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

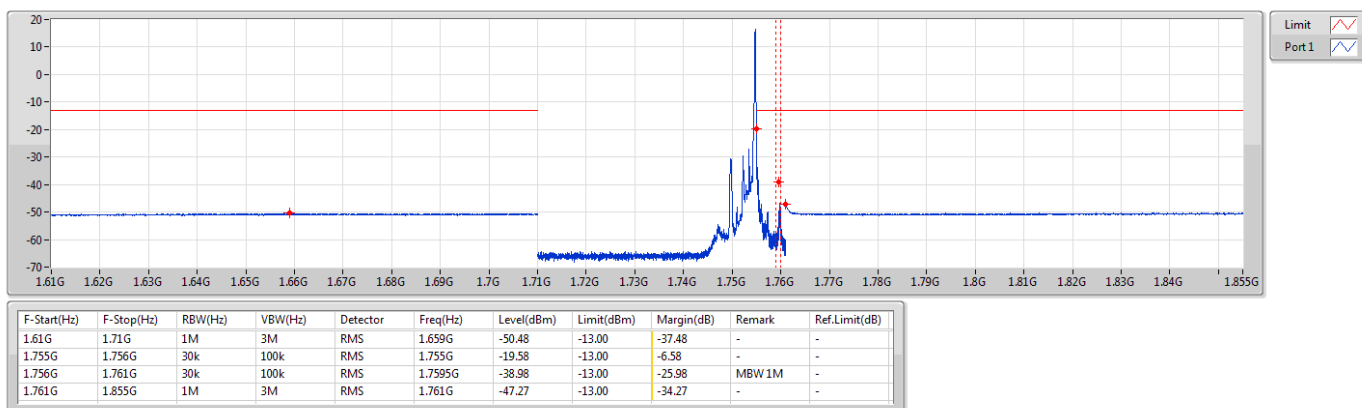
1711.5MHz_QPSK_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

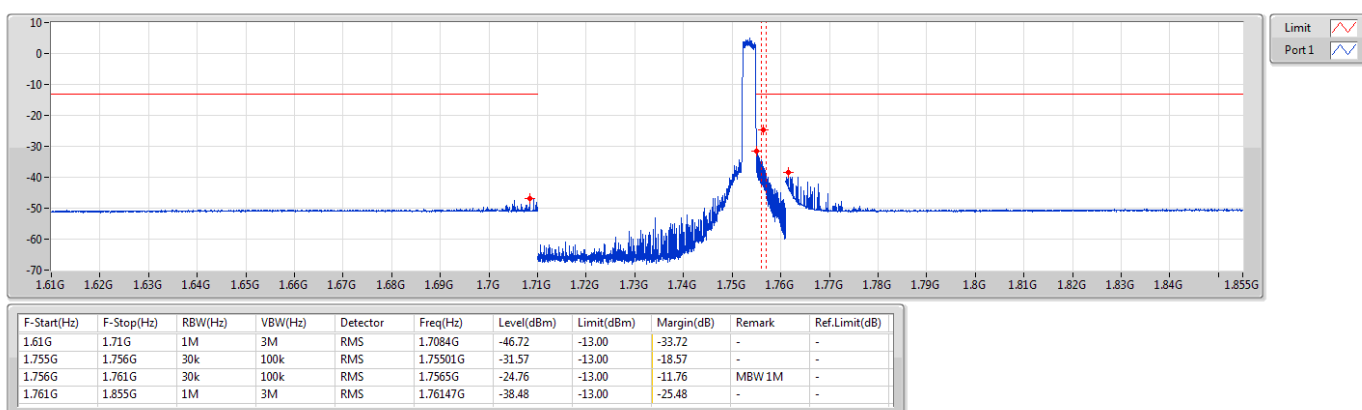
1753.5MHz_QPSK_RB 1,#RB 14



Band 4_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Sum

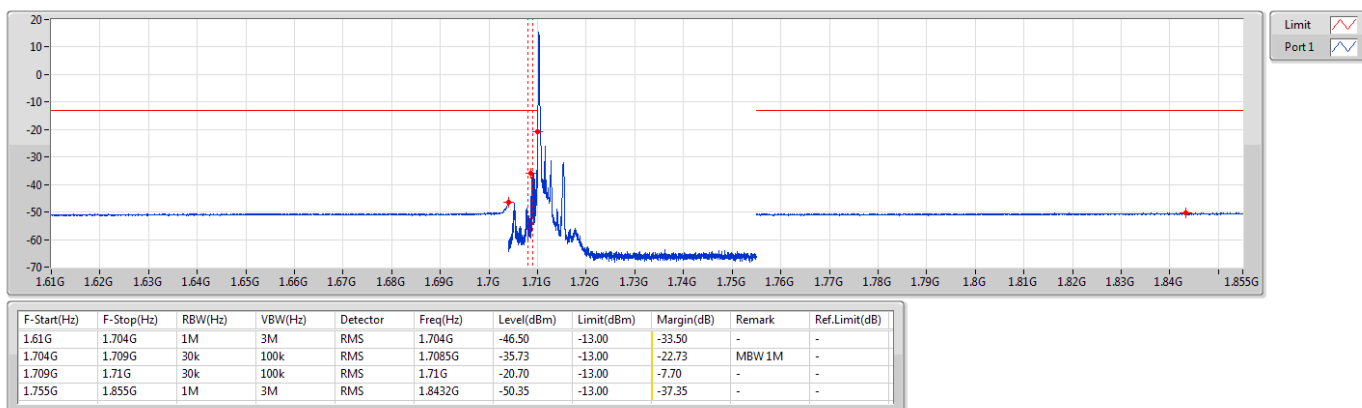
1753.5MHz_QPSK_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

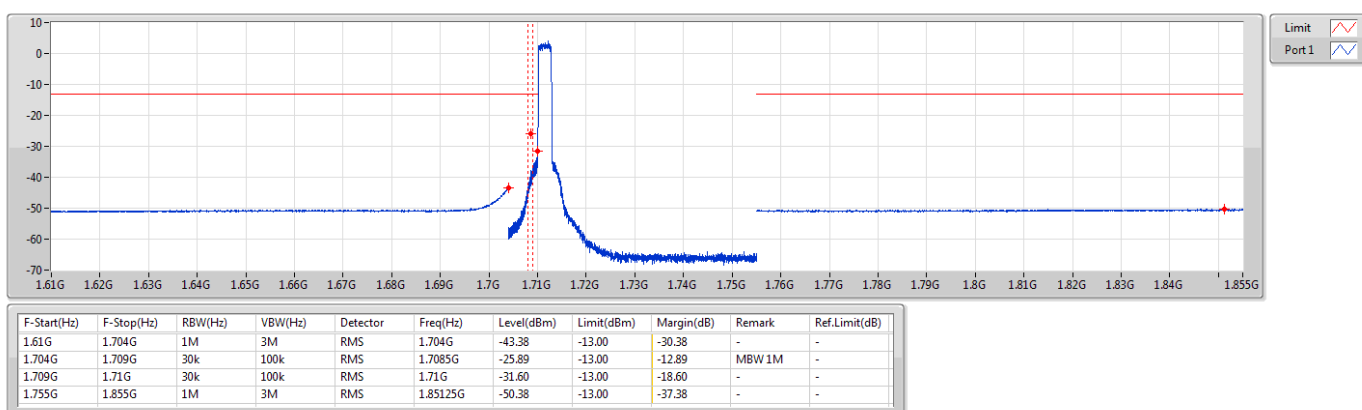
1711.5MHz_16QAM_RB 1,#RB 0



Band 4_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

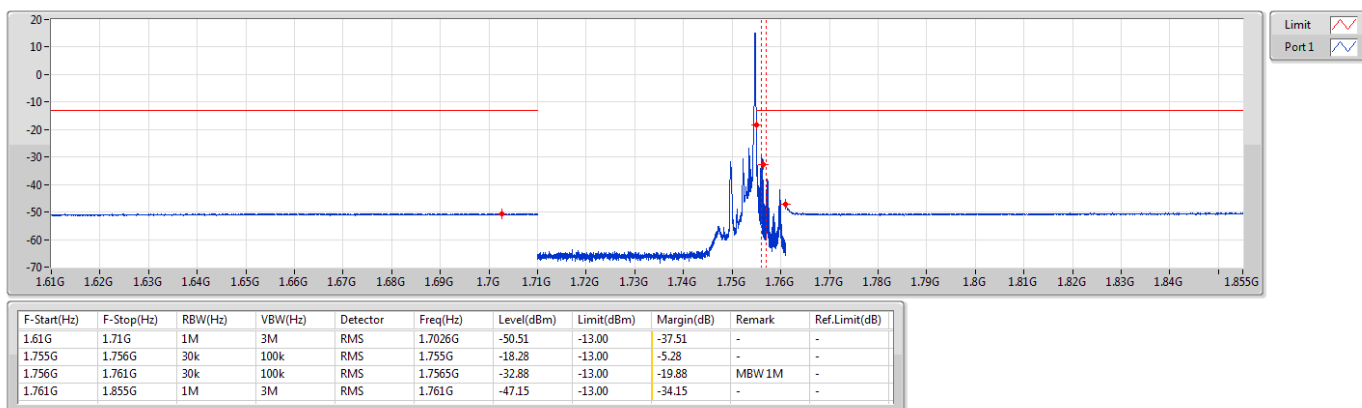
1711.5MHz_16QAM_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

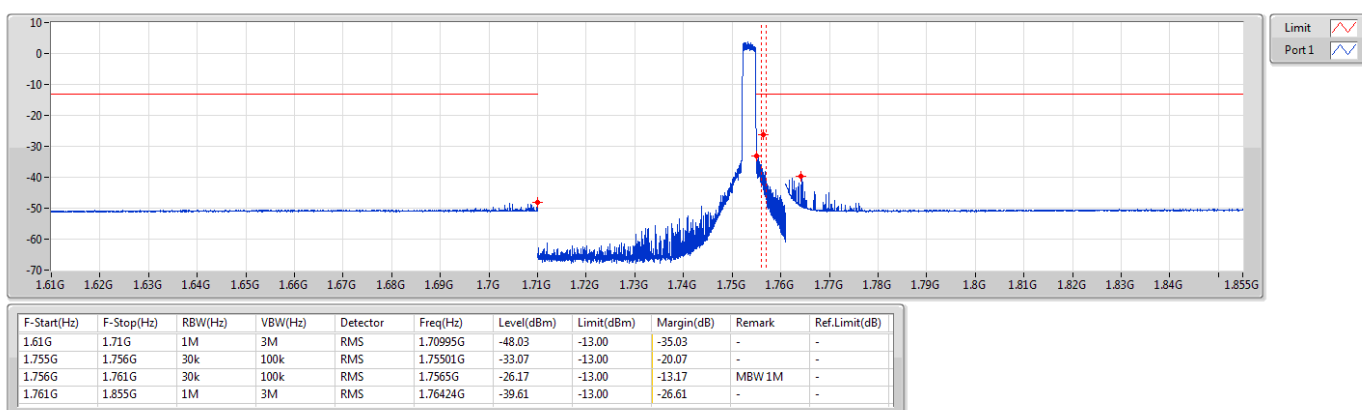
1753.5MHz_16QAM_RB 1,#RB 14



Band 4_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Sum

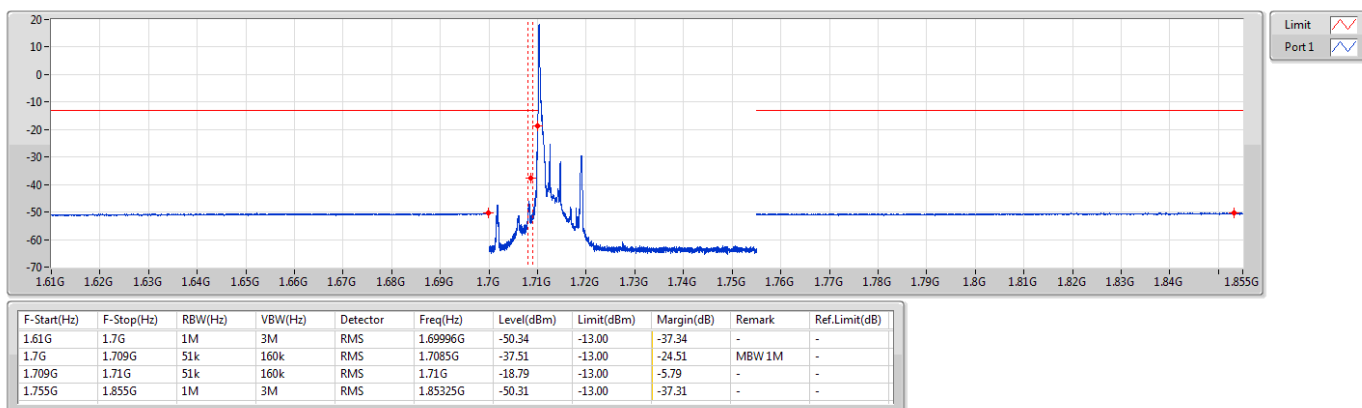
1753.5MHz_16QAM_RB 15,#RB 0



Band 4_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

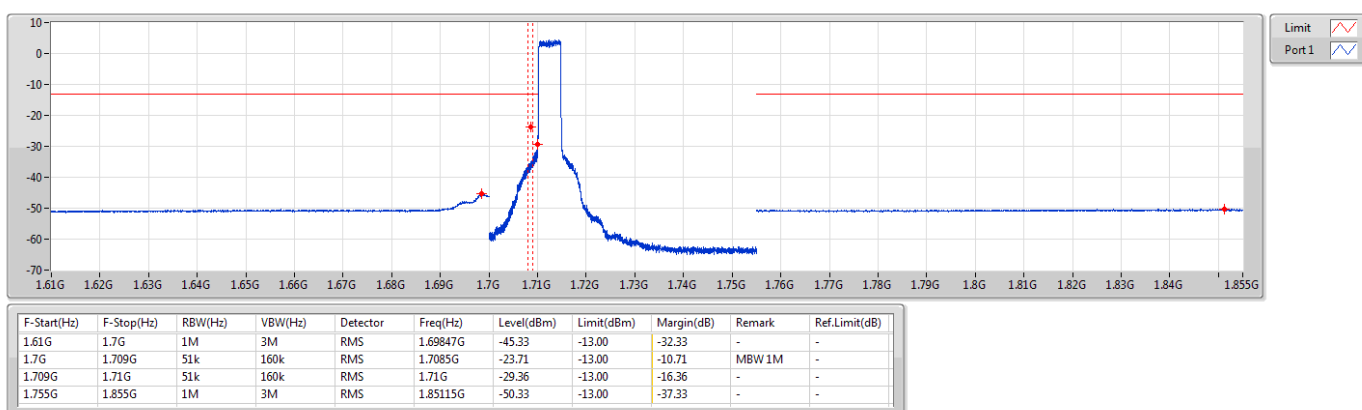
1712.5MHz_QPSK_RB 1,#RB 0



Band 4_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

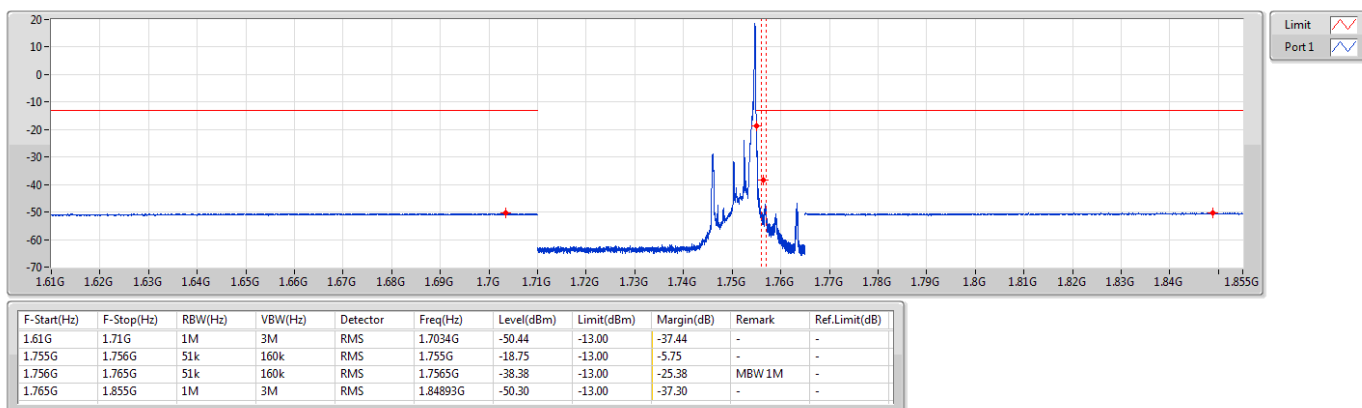
1712.5MHz_QPSK_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

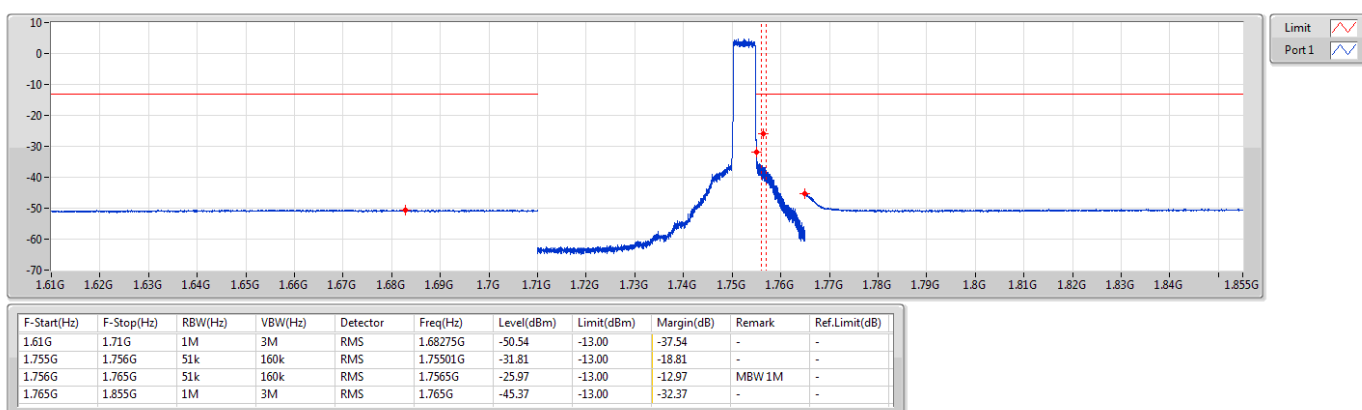
1752.5MHz_QPSK_RB 1,#RB 24



Band 4_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Sum

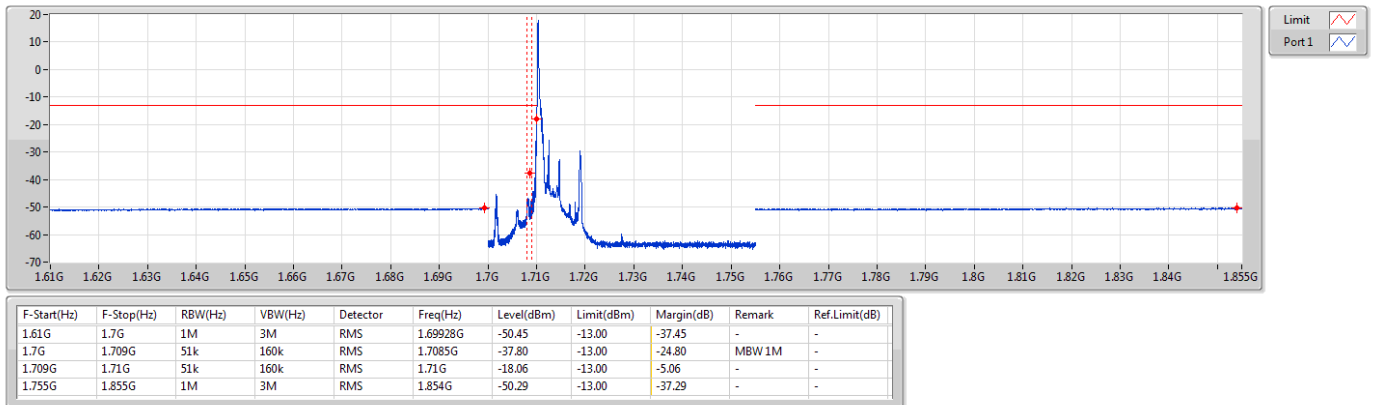
1752.5MHz_QPSK_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

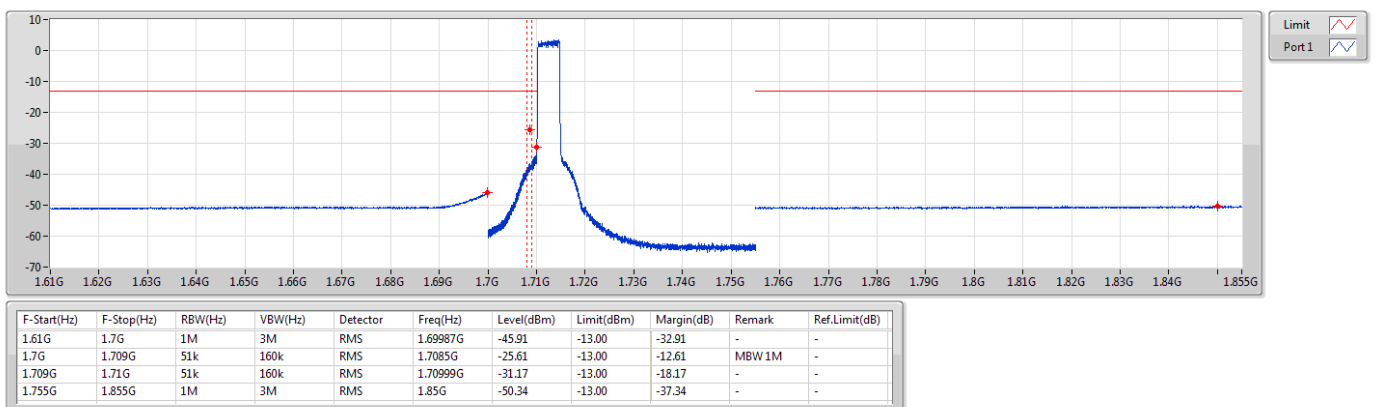
1712.5MHz_16QAM_RB 1,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

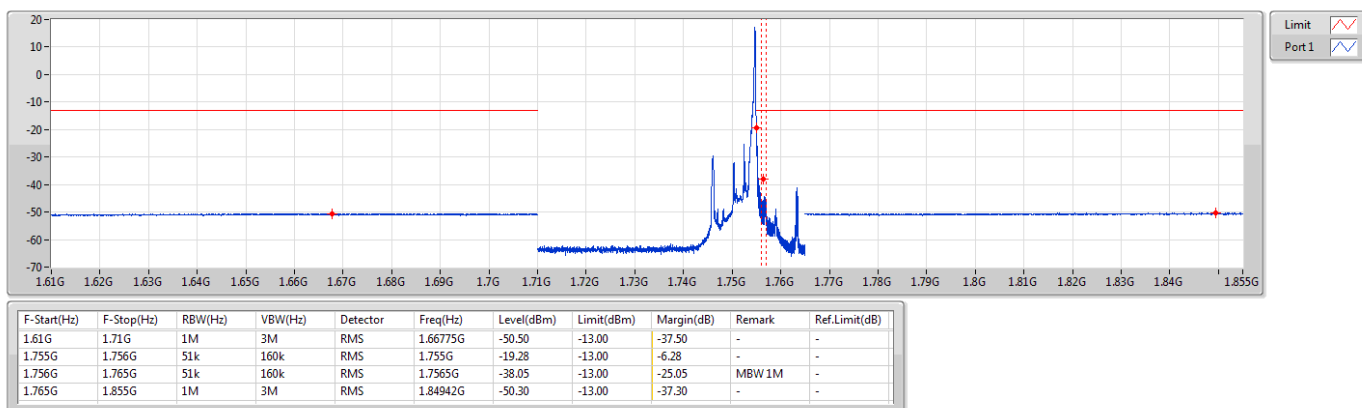
1712.5MHz_16QAM_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

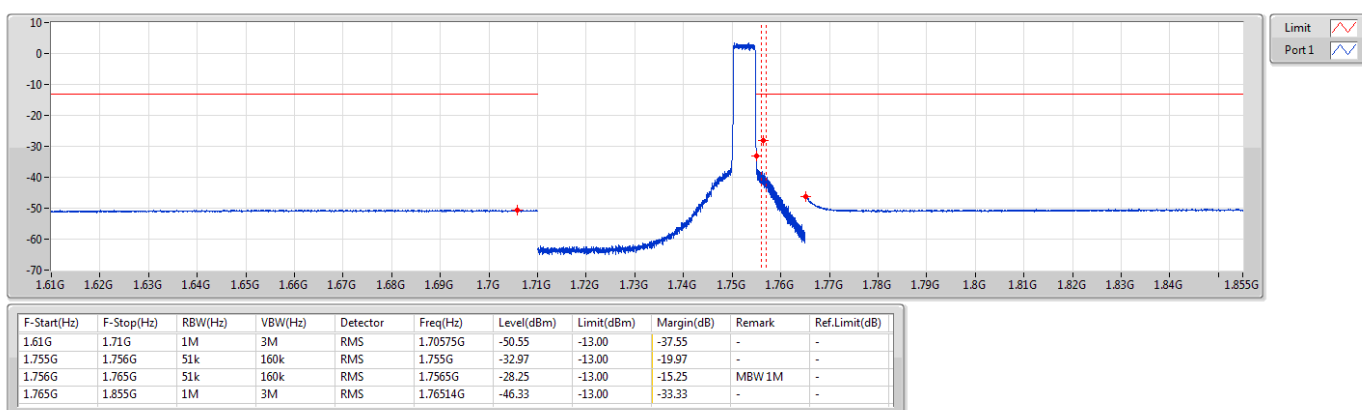
1752.5MHz_16QAM_RB 1,#RB 24



Band 4_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Sum

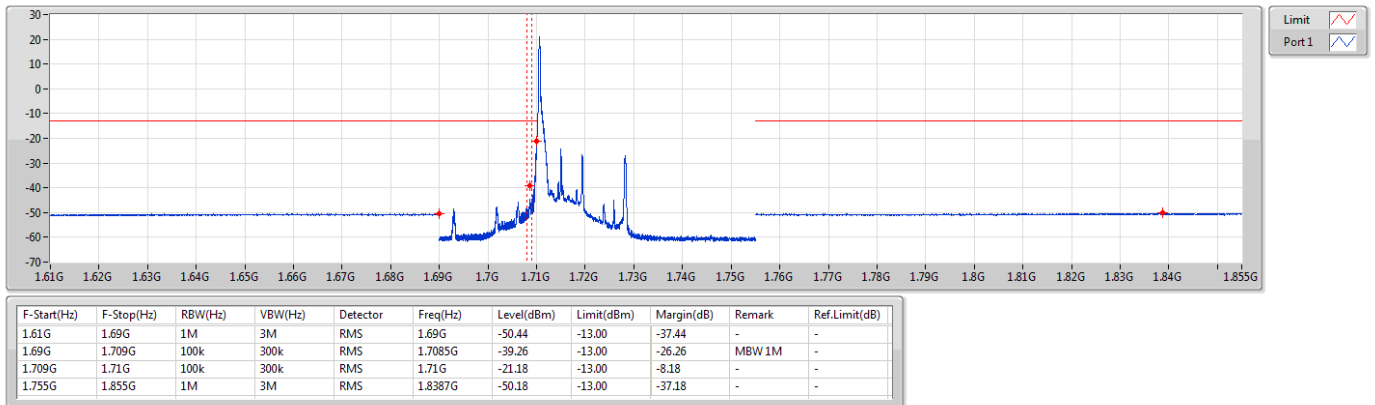
1752.5MHz_16QAM_RB 25,#RB 0



Band 4_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

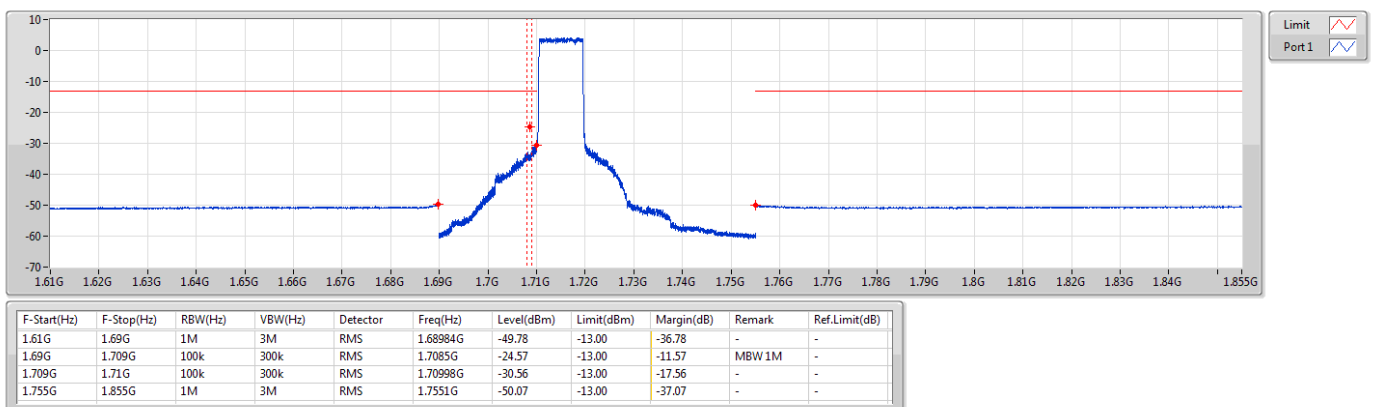
1715MHz_QPSK_RB 1,#RB 0



Band 4_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

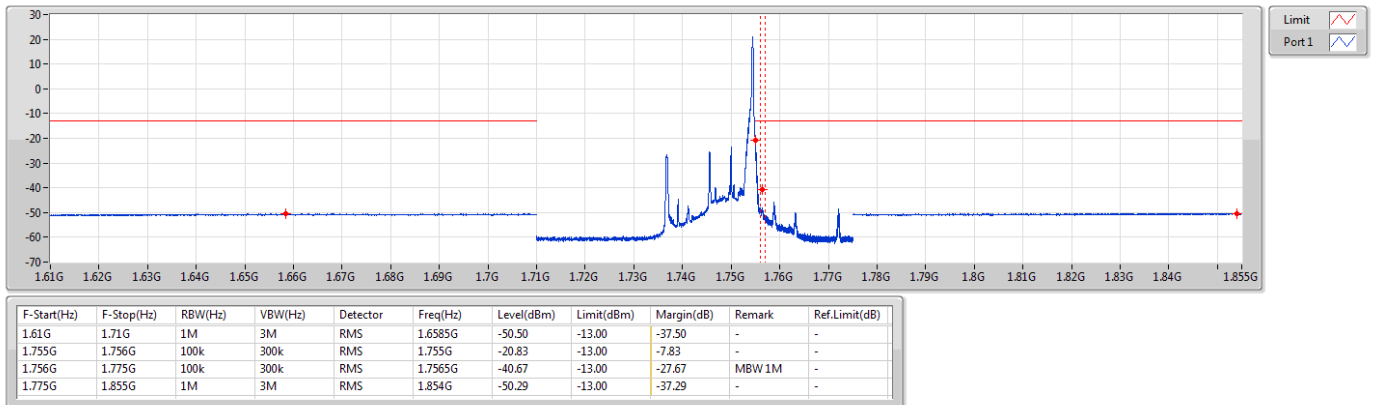
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Band 4_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

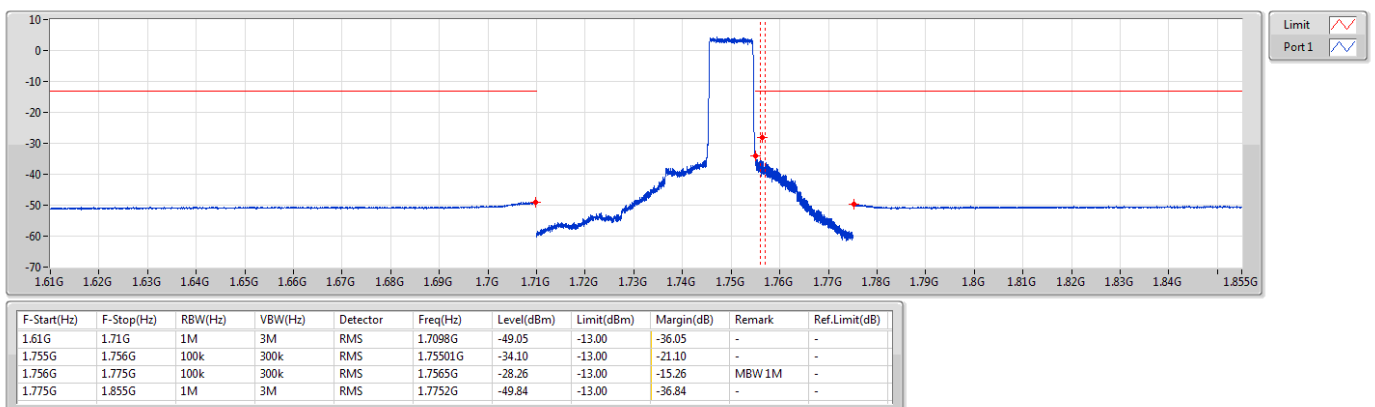
1750MHz_QPSK_RB 1,#RB 49



Band 4_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Sum

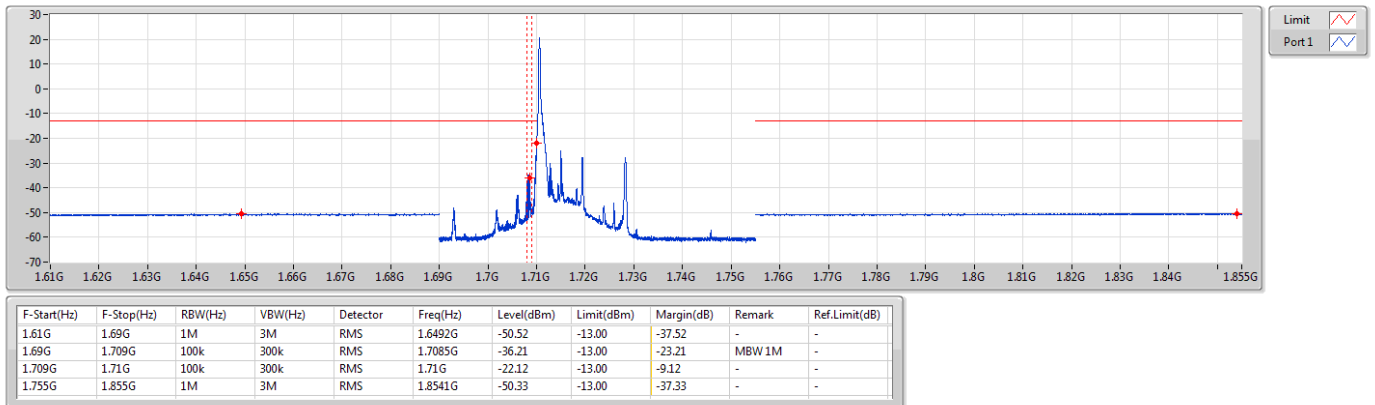
1750MHz_QPSK_RB 50,#RB 0



Band 4_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Sum

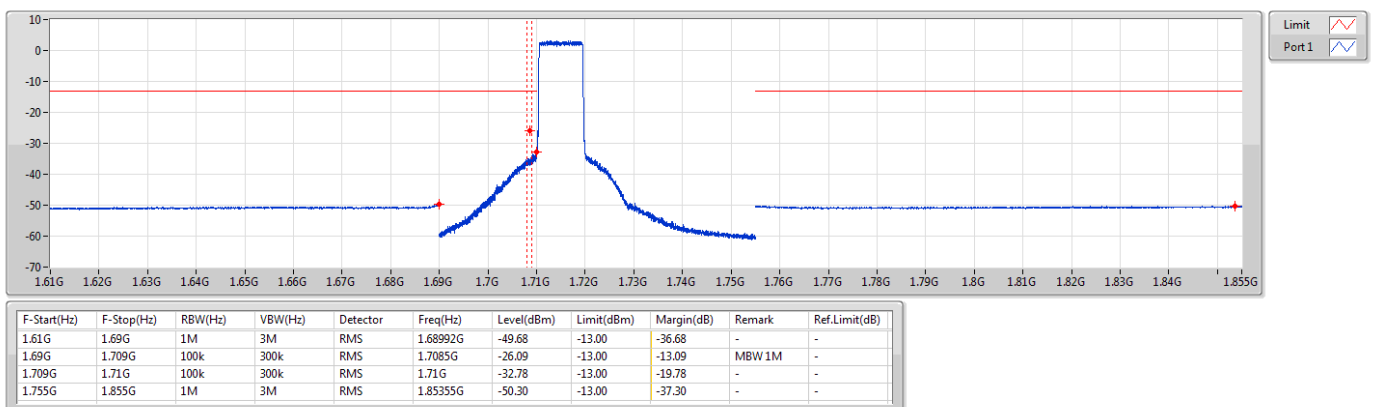
1715MHz_16QAM_RB 1,#RB 0



Band 4_LTE_10MHz_Nss1,16QAM_1TX

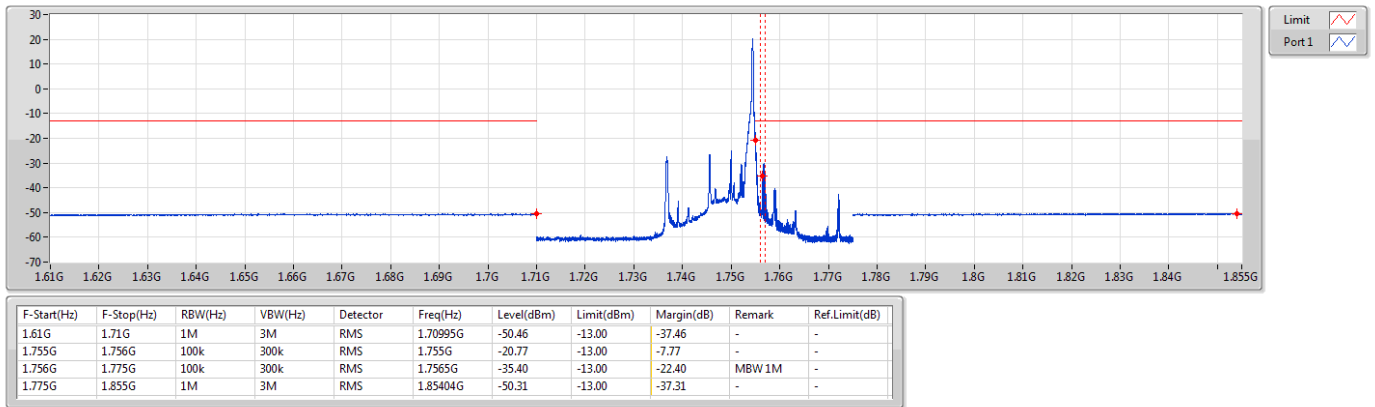
CSE-TX-Sum

1715MHz_16QAM_RB 50,#RB 0



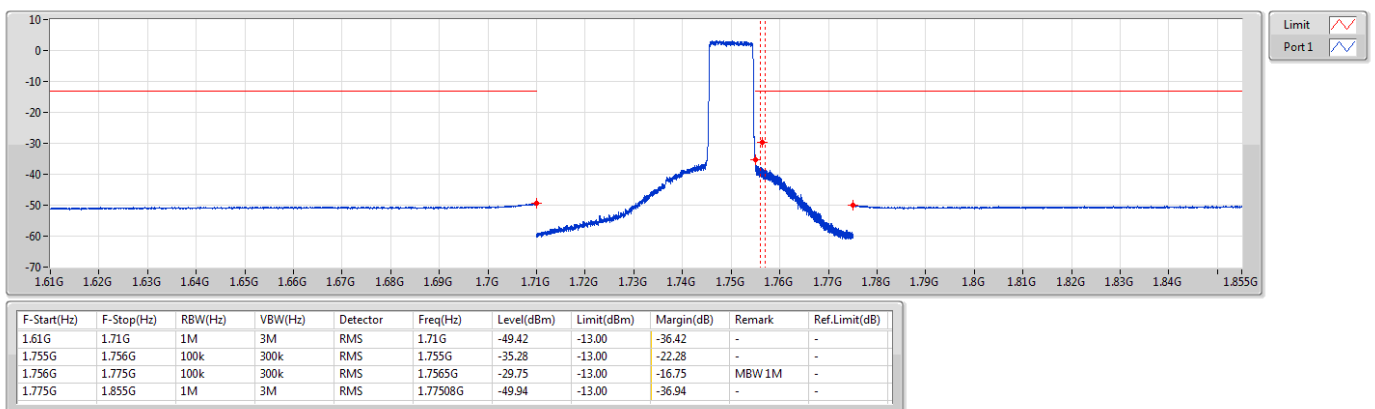
Band 4_LTE_10MHz_Nss1,16QAM_1TX
1750MHz_16QAM_RB 1,#RB 49

CSE-TX-Sum



Band 4_LTE_10MHz_Nss1,16QAM_1TX
1750MHz_16QAM_RB 50,#RB 0

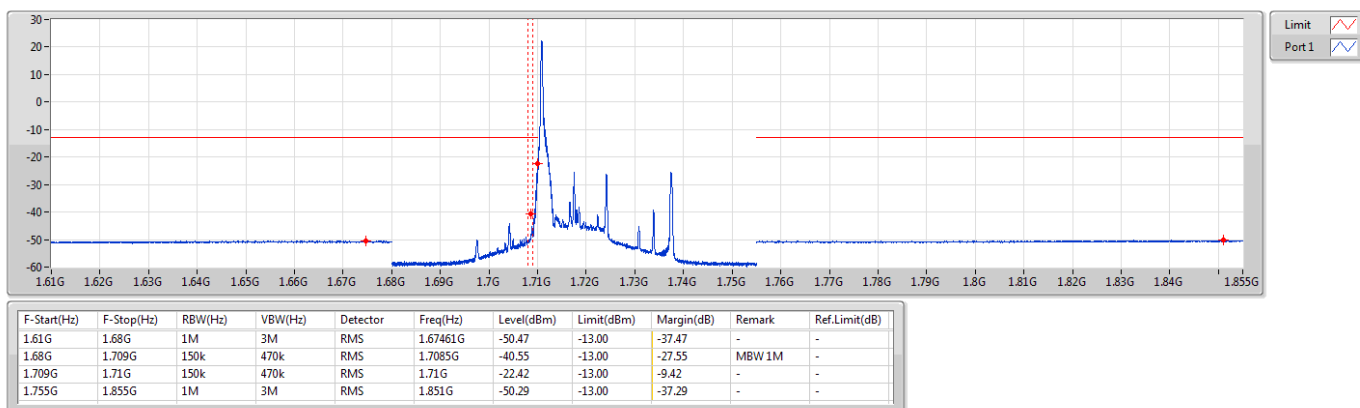
CSE-TX-Sum



Band 4_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Sum

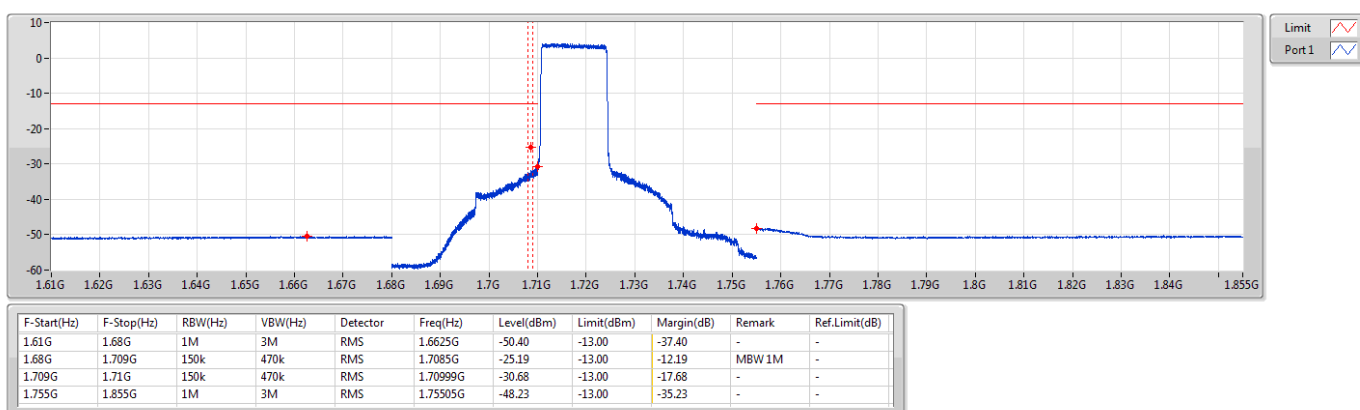
1717.5MHz_QPSK_RB 1,#RB 0



Band 4_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Sum

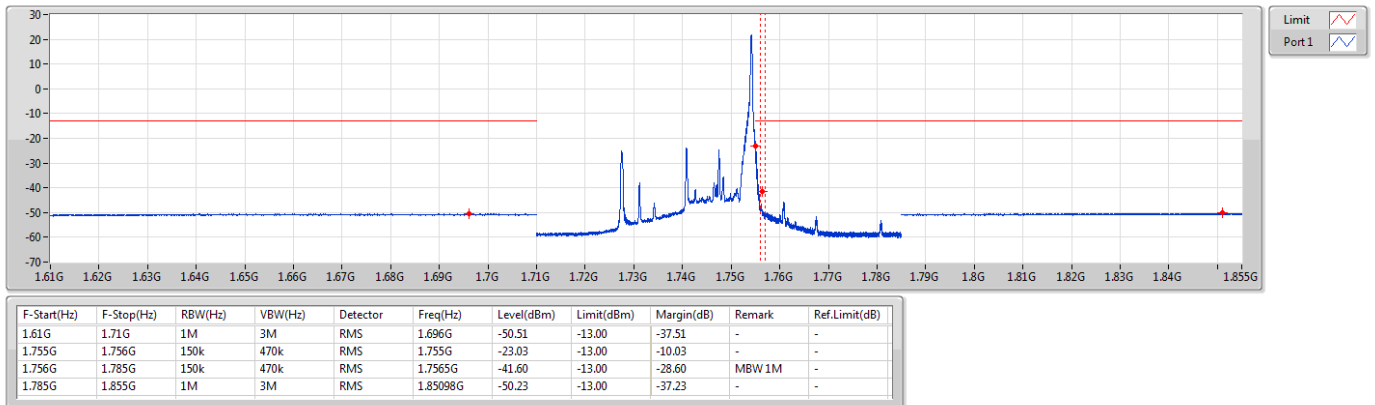
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Band 4_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Sum

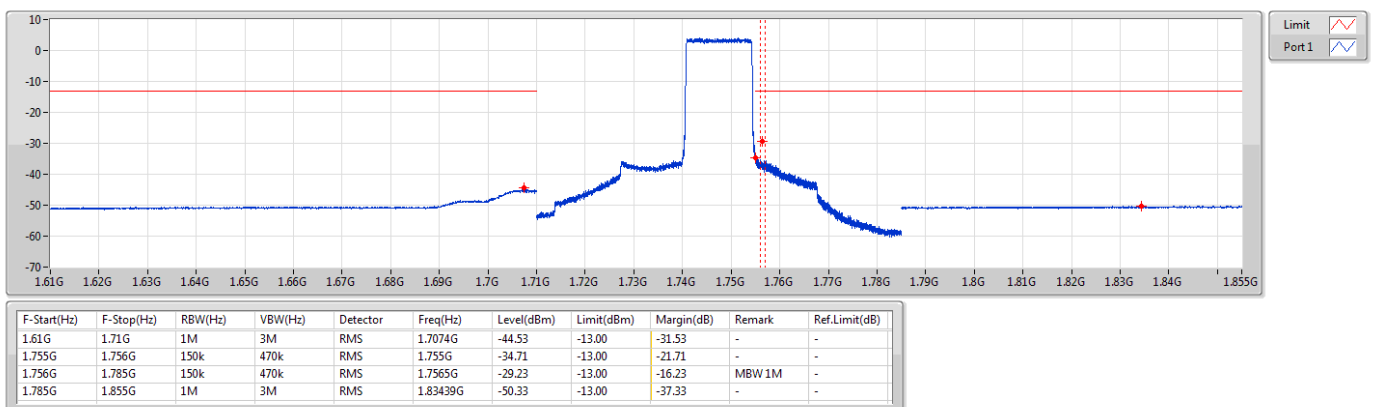
1747.5MHz_QPSK_RB 1,#RB 74



Band 4_LTE_15MHz_Nss1,QPSK_1TX

CSE-TX-Sum

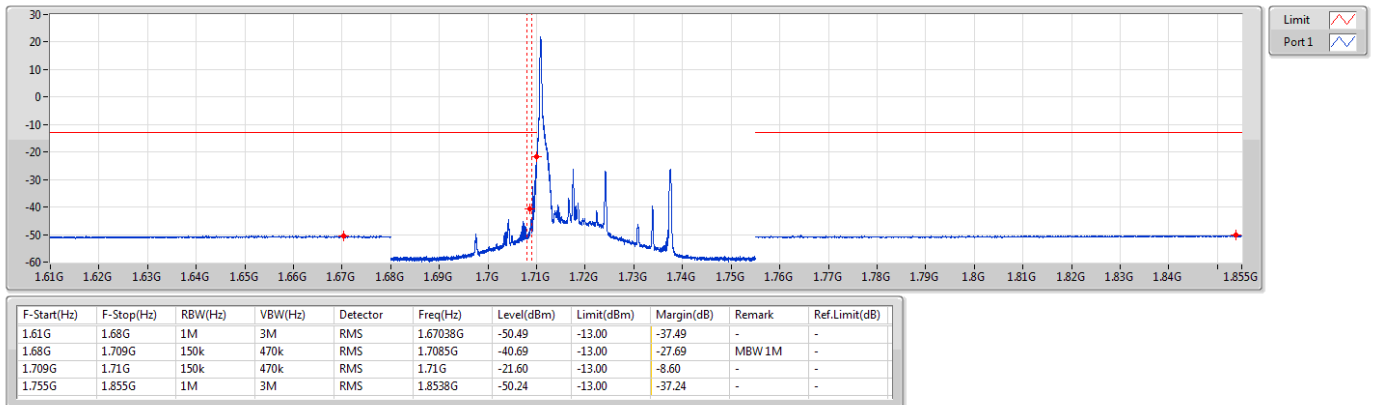
1747.5MHz_QPSK_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

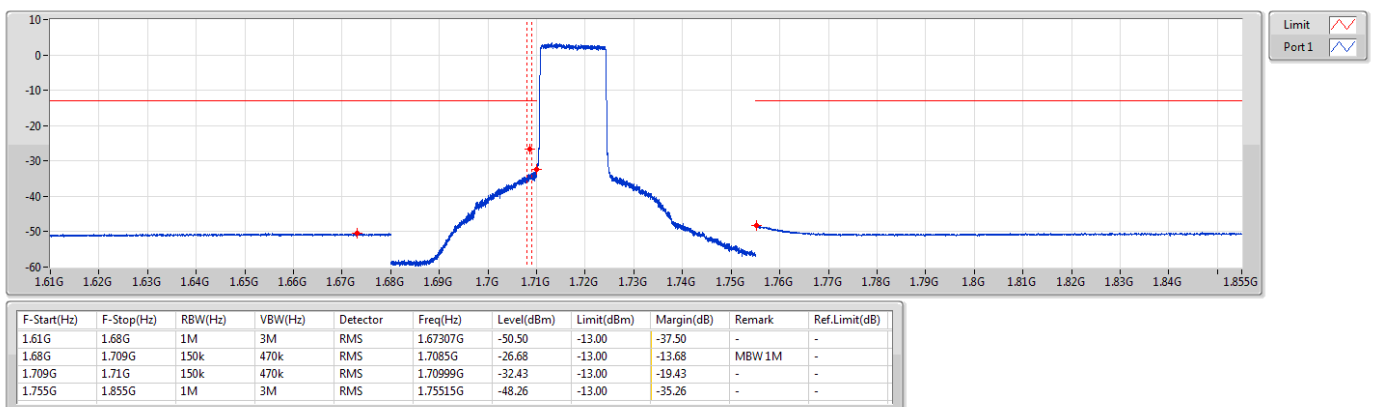
1717.5MHz_16QAM_RB 1,#RB 0



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

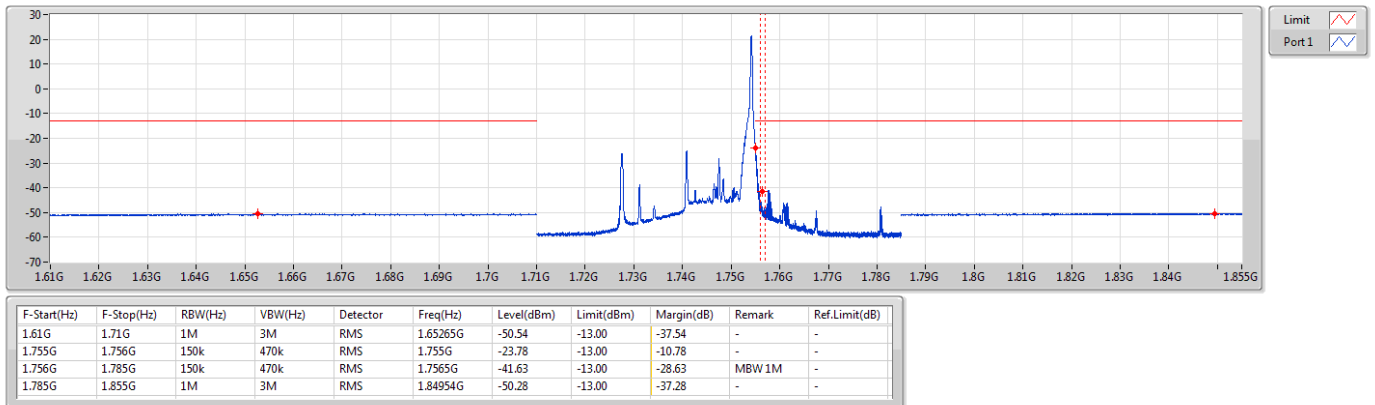
1717.5MHz_16QAM_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

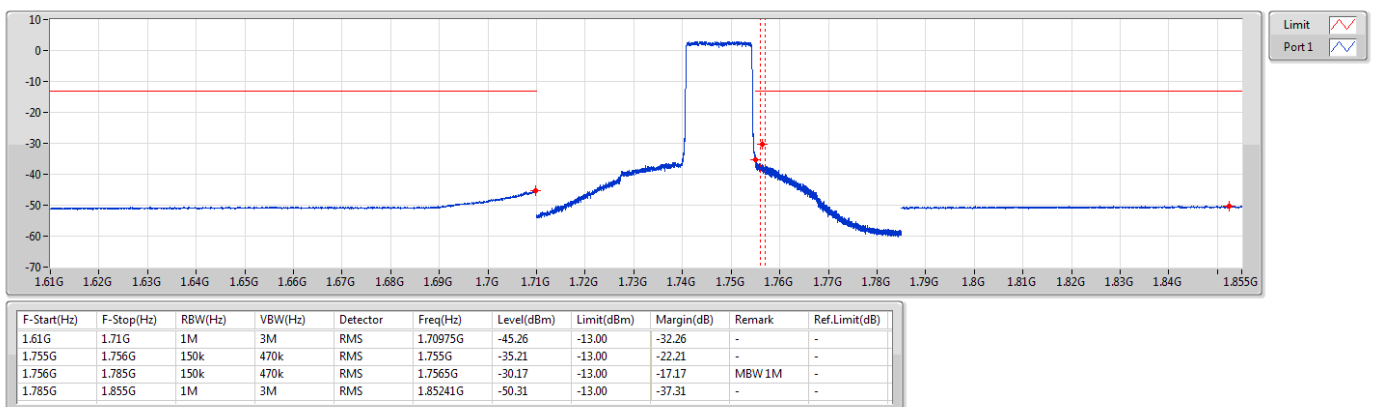
1747.5MHz_16QAM_RB 1,#RB 74



Band 4_LTE_15MHz_Nss1,16QAM_1TX

CSE-TX-Sum

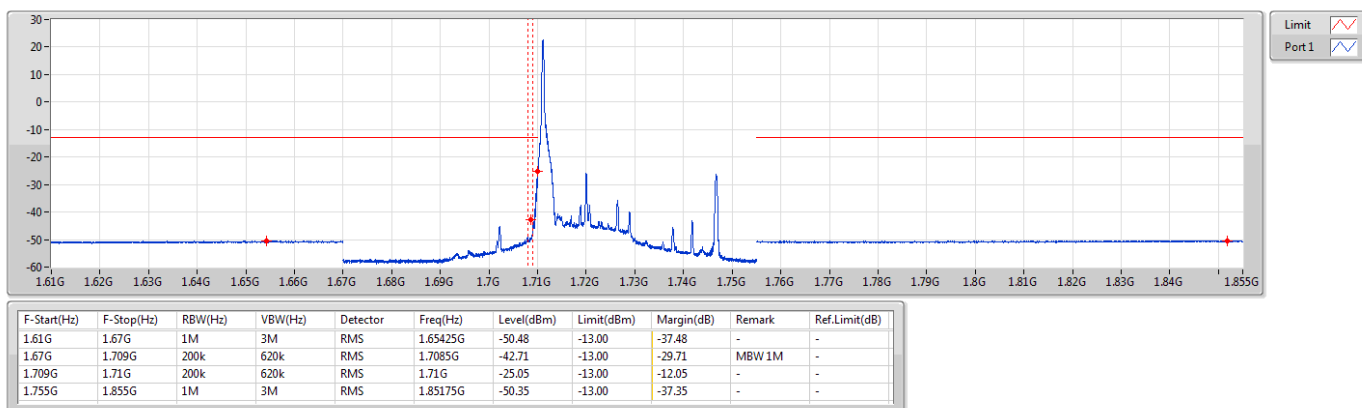
1747.5MHz_16QAM_RB 75,#RB 0



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

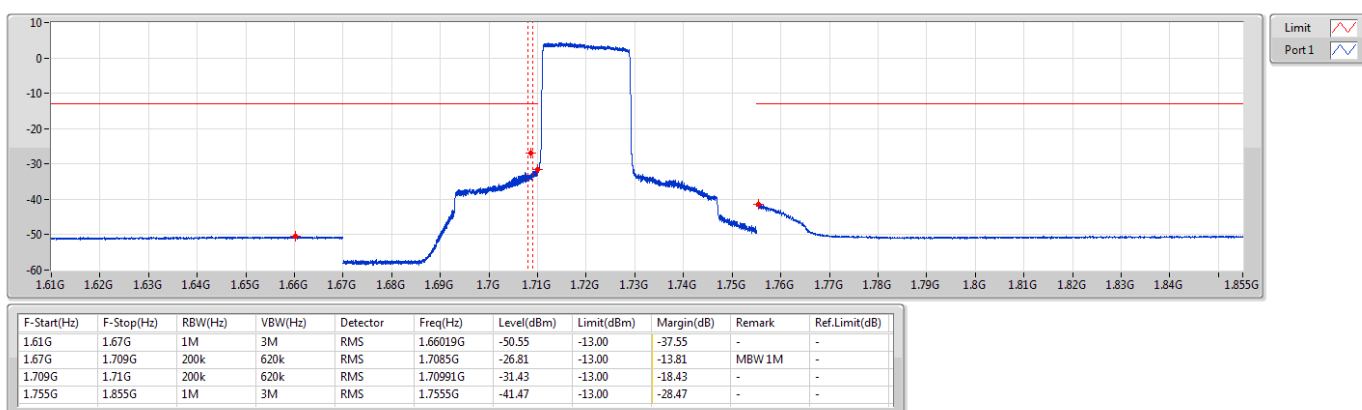
1720MHz_QPSK_RB 1,#RB 0



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

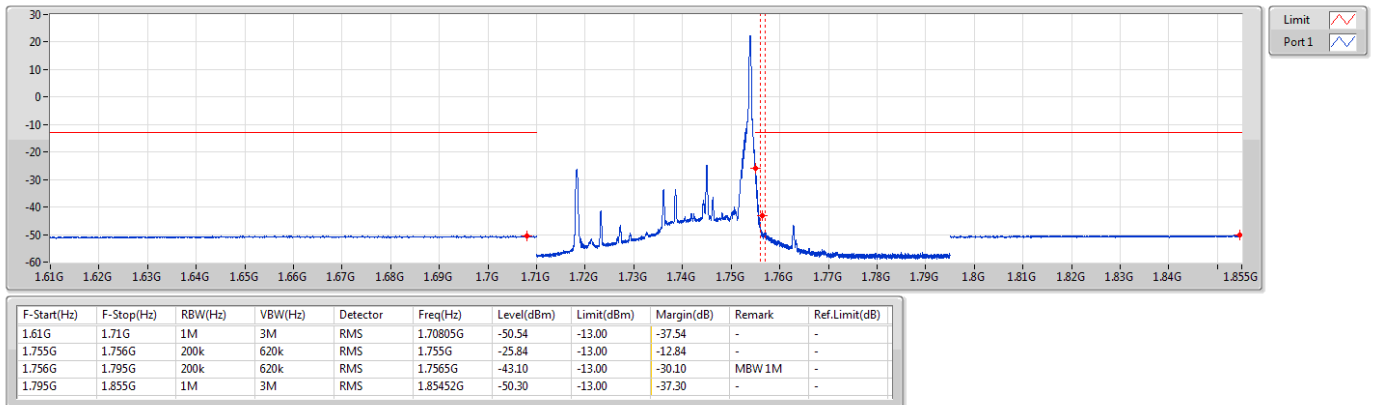
1720MHz_QPSK_RB 100,#RB 0



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

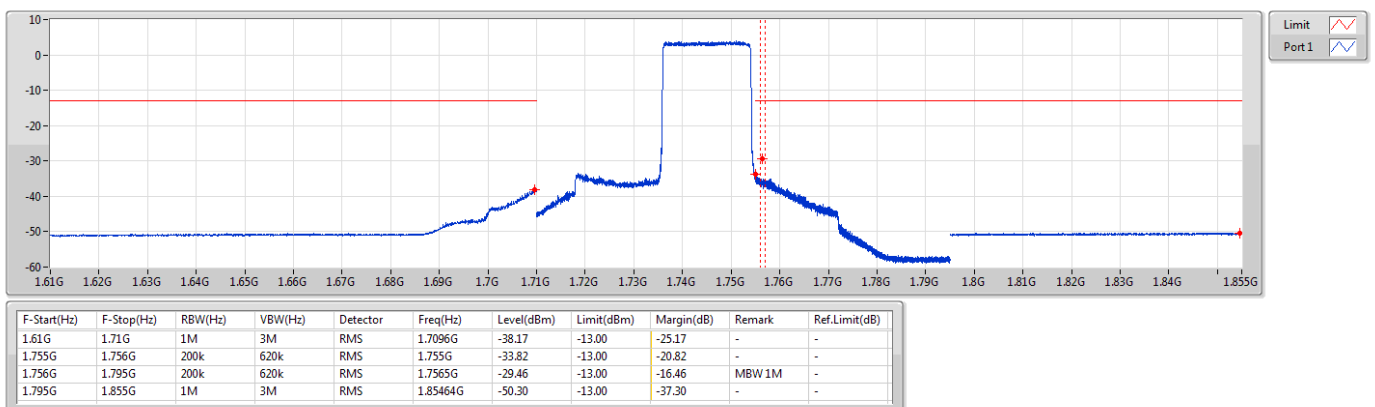
1745MHz_QPSK_RB 1,#RB 99



Band 4_LTE_20MHz_Nss1,QPSK_1TX

CSE-TX-Sum

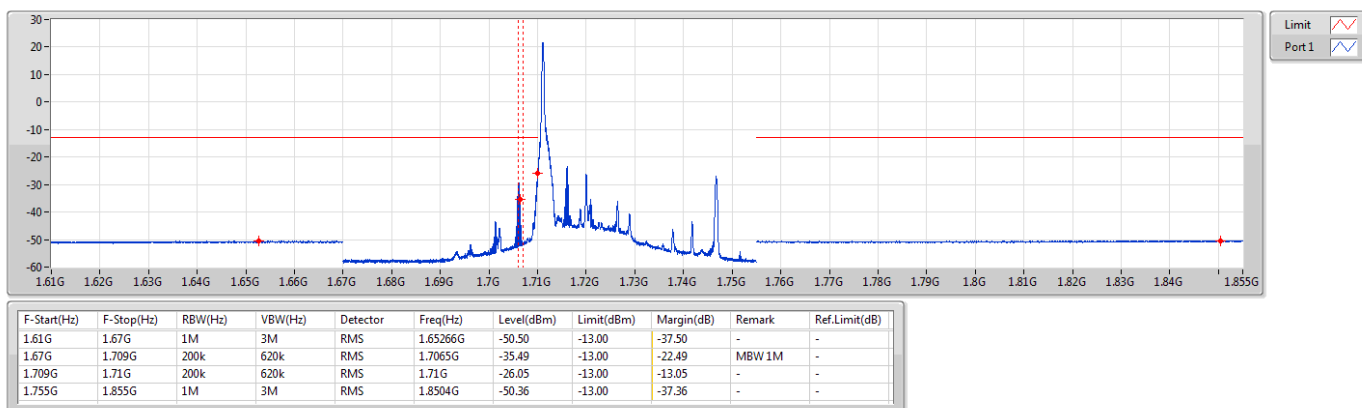
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Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

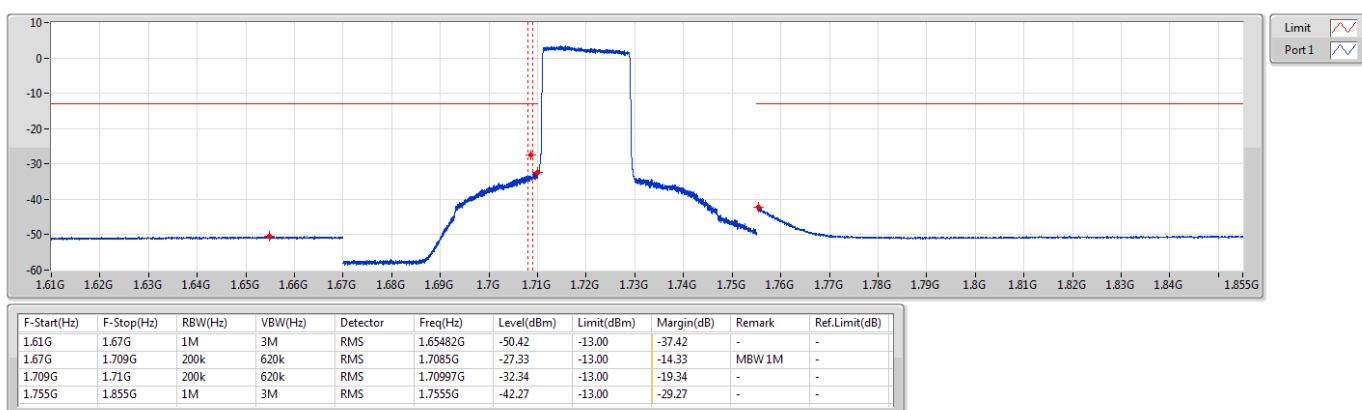
1720MHz_16QAM_RB 1,#RB 0



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

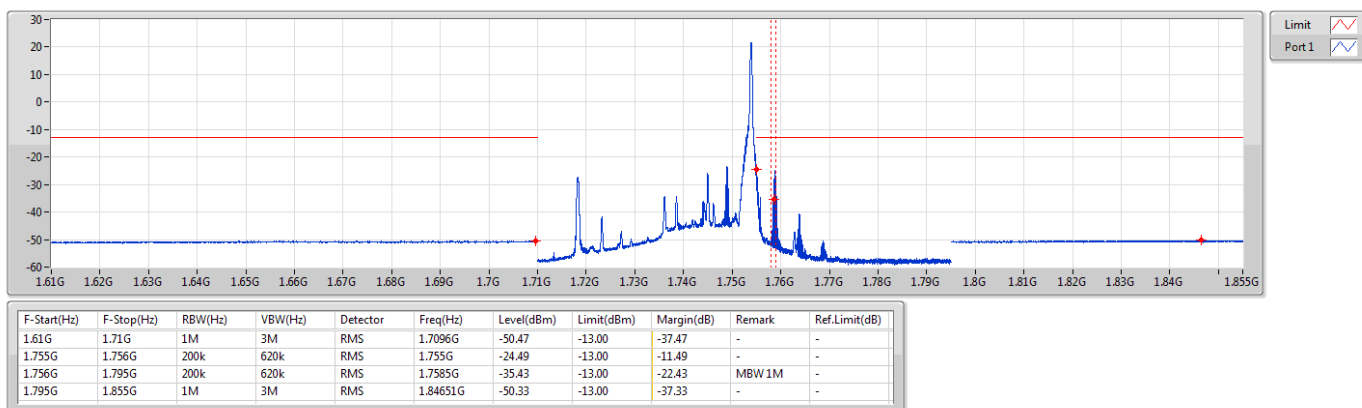
1720MHz_16QAM_RB 100,#RB 0



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

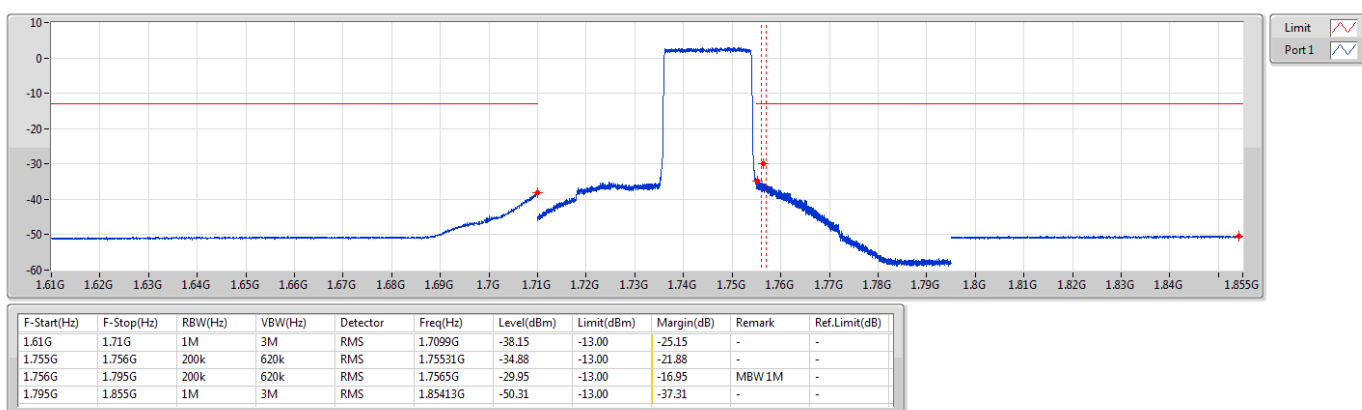
1745MHz_16QAM_RB 1,#RB 99



Band 4_LTE_20MHz_Nss1,16QAM_1TX

CSE-TX-Sum

1745MHz_16QAM_RB 100,#RB 0



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 4	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	1.236M	1.08M	1M08G7D	1.229M	1.079M
LTE_1.4MHz_Nss1,16QAM_1TX	1.262M	1.08M	1M08W7D	1.241M	1.077M
LTE_3MHz_Nss1,QPSK_1TX	2.876M	2.674M	2M67G7D	2.843M	2.671M
LTE_3MHz_Nss1,16QAM_1TX	2.85M	2.674M	2M67W7D	2.843M	2.672M
LTE_5MHz_Nss1,QPSK_1TX	4.825M	4.463M	4M46G7D	4.781M	4.459M
LTE_5MHz_Nss1,16QAM_1TX	4.788M	4.466M	4M47W7D	4.756M	4.46M
LTE_10MHz_Nss1,QPSK_1TX	9.525M	8.93M	8M93G7D	9.5M	8.926M
LTE_10MHz_Nss1,16QAM_1TX	9.513M	8.926M	8M93W7D	9.488M	8.918M
LTE_15MHz_Nss1,QPSK_1TX	14.288M	13.408M	13M4G7D	14.156M	13.39M
LTE_15MHz_Nss1,16QAM_1TX	14.325M	13.39M	13M4W7D	14.25M	13.367M
LTE_20MHz_Nss1,QPSK_1TX	19.075M	17.855M	17M9G7D	18.825M	17.816M
LTE_20MHz_Nss1,16QAM_1TX	18.975M	17.868M	17M9W7D	18.875M	17.813M

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 4_LTE_1.4MHz_Nss1_1TX	-	-	-	-
1710.7MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.236M	1.079M
1732.5MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.236M	1.08M
1754.3MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.229M	1.079M
1710.7MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.262M	1.08M
1732.5MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.241M	1.077M
1754.3MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.243M	1.079M
Band 4_LTE_3MHz_Nss1_1TX	-	-	-	-
1711.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.843M	2.674M
1732.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.843M	2.671M
1753.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.876M	2.674M
1711.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.85M	2.674M
1732.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.843M	2.672M
1753.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.843M	2.674M
Band 4_LTE_5MHz_Nss1_1TX	-	-	-	-
1712.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.781M	4.461M
1732.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.825M	4.463M
1752.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.788M	4.459M
1712.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.788M	4.466M
1732.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.781M	4.46M
1752.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.756M	4.466M
Band 4_LTE_10MHz_Nss1_1TX	-	-	-	-
1715MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.525M	8.93M
1732.5MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.5M	8.926M
1750MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.5M	8.927M
1715MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.513M	8.92M
1732.5MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.488M	8.926M
1750MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.488M	8.918M
Band 4_LTE_15MHz_Nss1_1TX	-	-	-	-
1717.5MHz_QPSK_RB 75,#RB 0	Pass	Inf	14.156M	13.396M
1732.5MHz_QPSK_RB 75,#RB 0	Pass	Inf	14.288M	13.408M
1747.5MHz_QPSK_RB 75,#RB 0	Pass	Inf	14.25M	13.39M
1717.5MHz_16QAM_RB 75,#RB 0	Pass	Inf	14.325M	13.367M
1732.5MHz_16QAM_RB 75,#RB 0	Pass	Inf	14.288M	13.39M
1747.5MHz_16QAM_RB 75,#RB 0	Pass	Inf	14.25M	13.39M

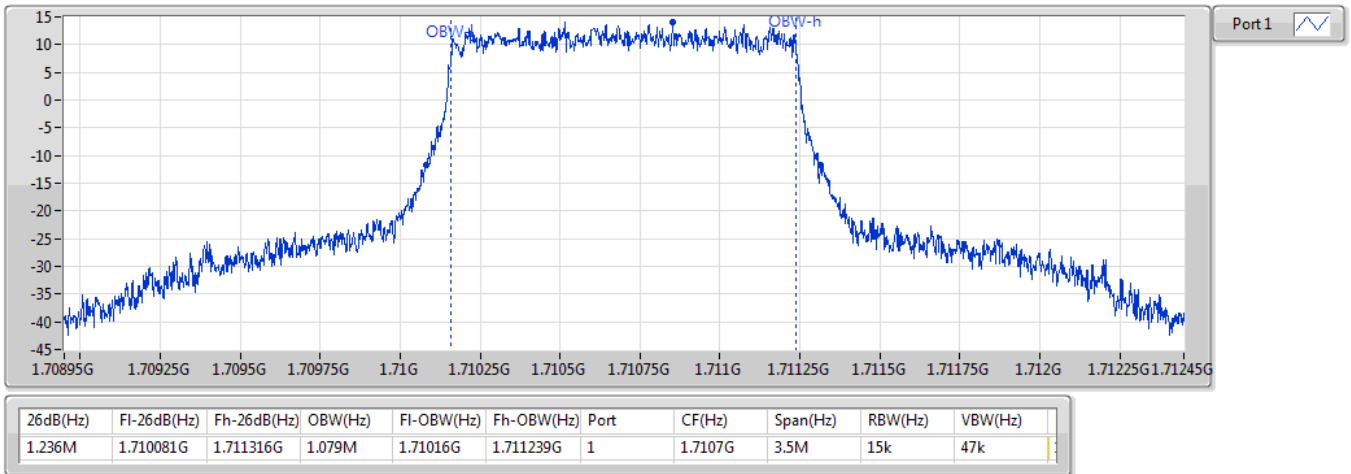


Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 4_LTE_20MHz_Nss1_1TX	-	-	-	-
1720MHz_QPSK_RB 100,#RB 0	Pass	Inf	18.825M	17.835M
1732.5MHz_QPSK_RB 100,#RB 0	Pass	Inf	19.075M	17.855M
1745MHz_QPSK_RB 100,#RB 0	Pass	Inf	19.025M	17.816M
1720MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.9M	17.813M
1732.5MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.975M	17.868M
1745MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.875M	17.855M

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

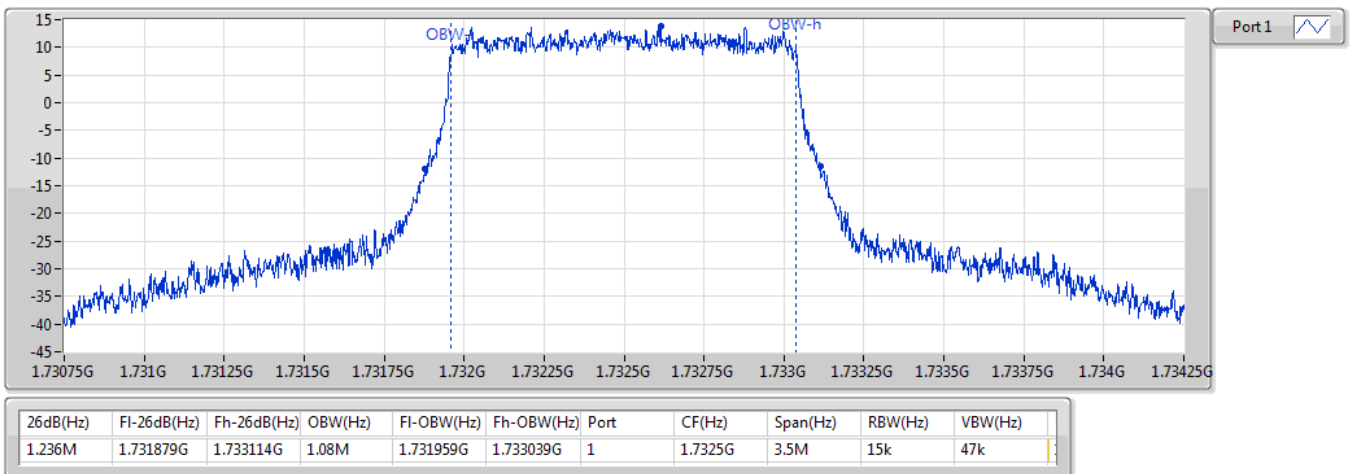
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 6,#RB 0

EBW



Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 6,#RB 0

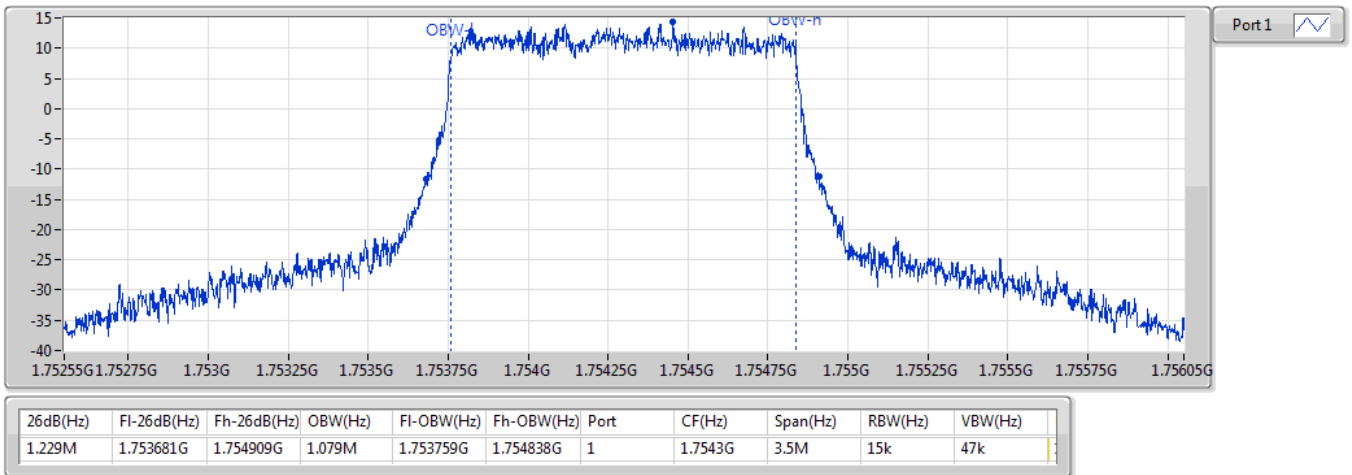
EBW



Band 4_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

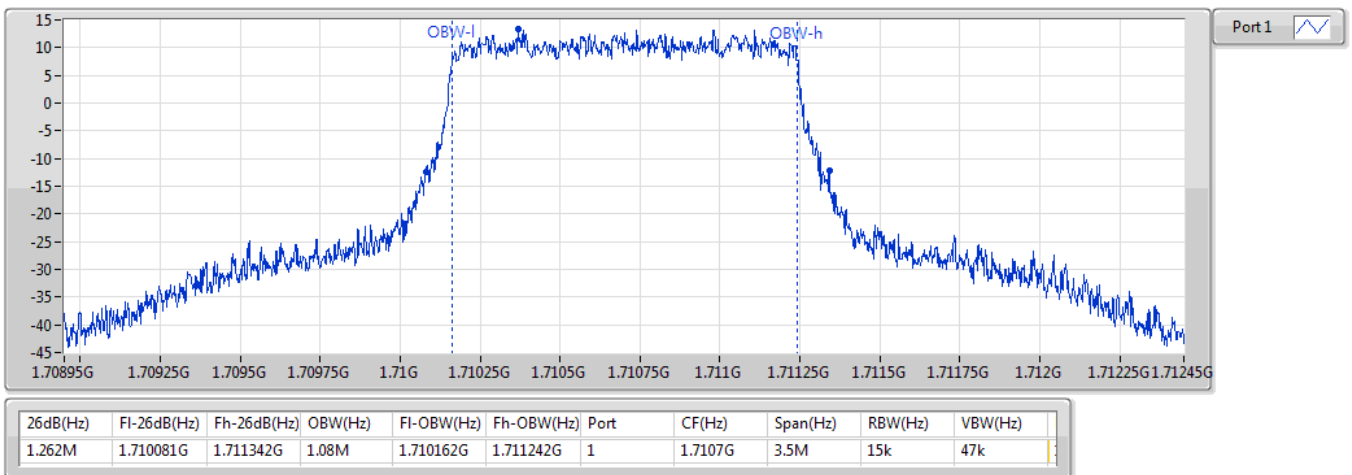
1754.3MHz_QPSK_RB 6,#RB 0



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

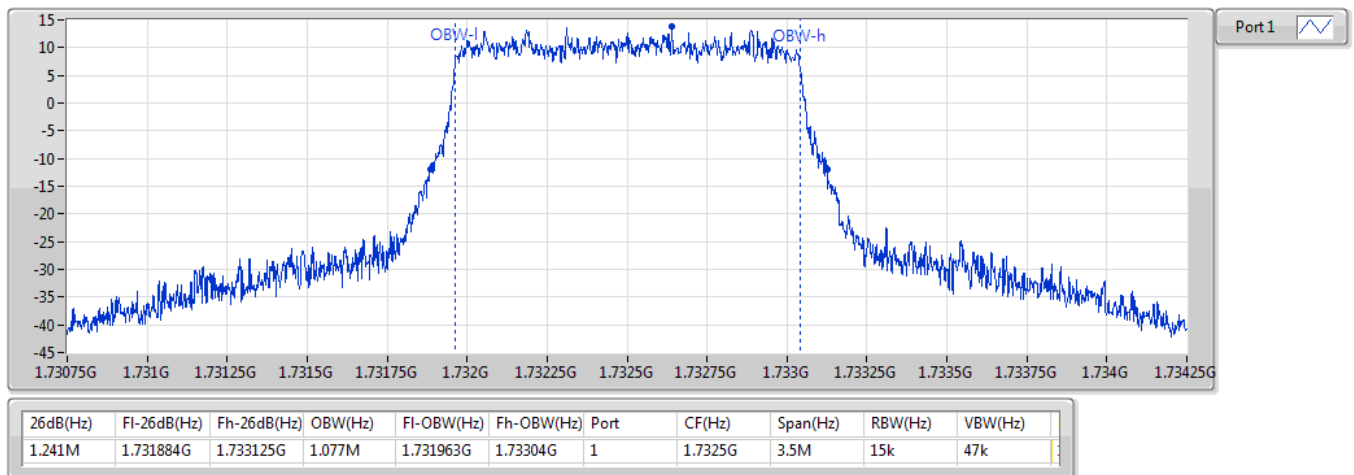
1710.7MHz_16QAM_RB 6,#RB 0



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

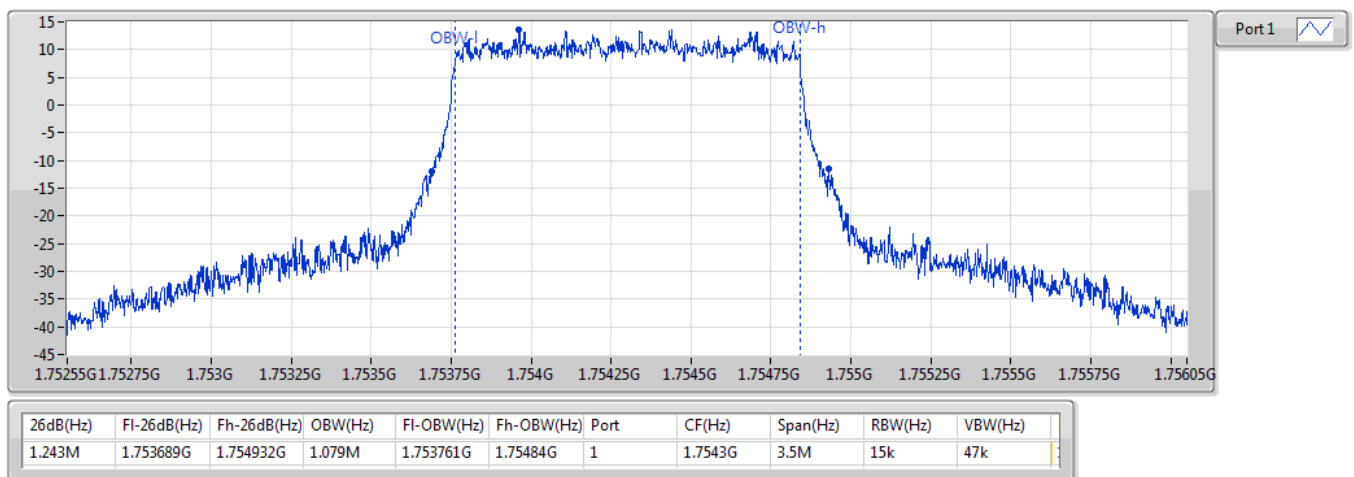
1732.5MHz_16QAM_RB 6,#RB 0



Band 4_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

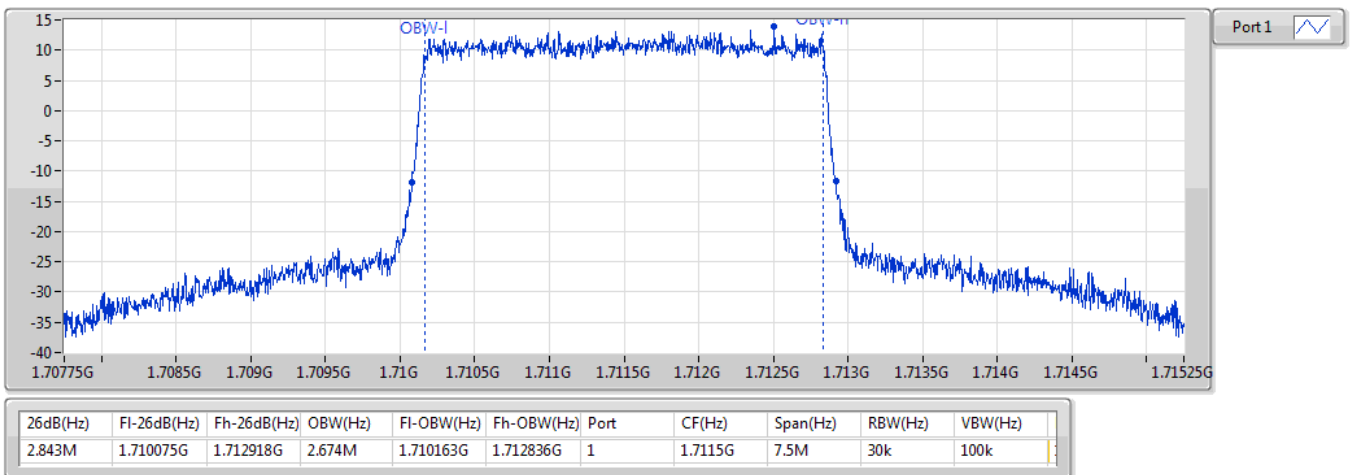
1754.3MHz_16QAM_RB 6,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

EBW

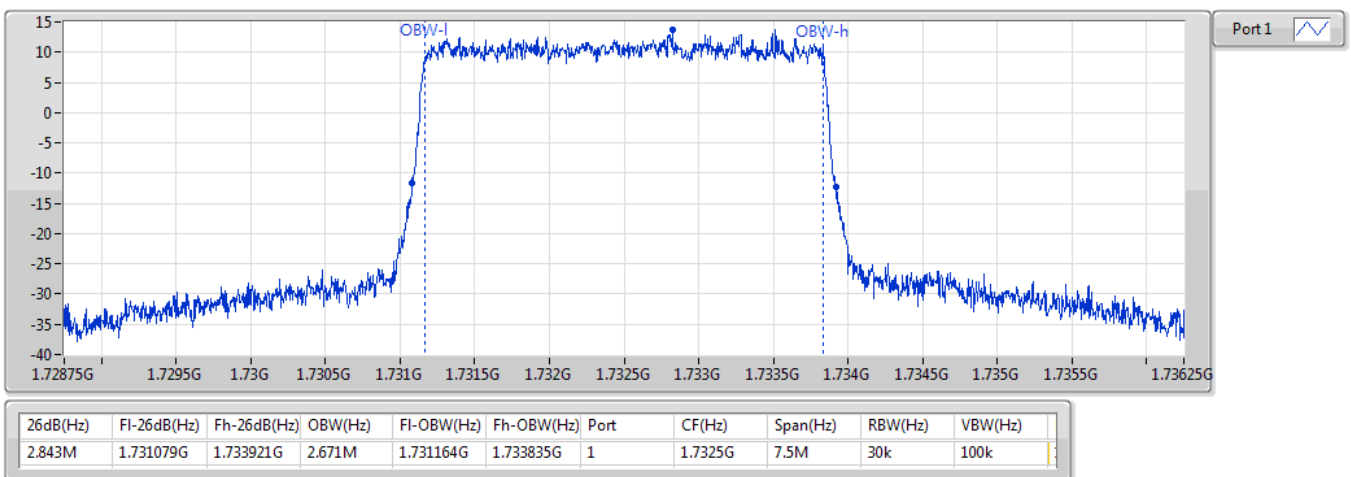
1711.5MHz_QPSK_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

EBW

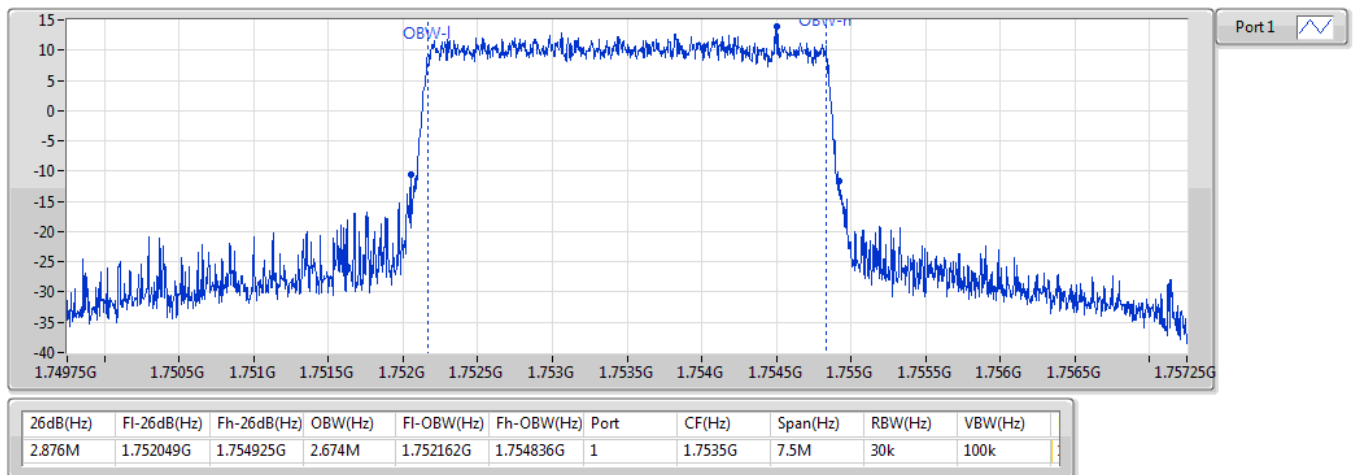
1732.5MHz_QPSK_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,QPSK_1TX

EBW

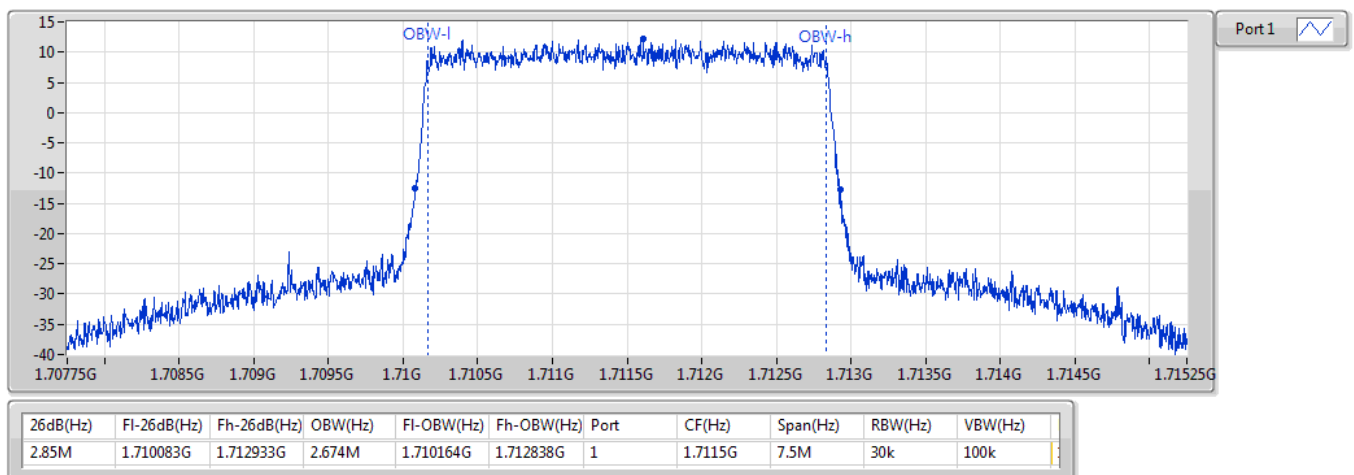
1753.5MHz_QPSK_RB 15,#RB 0



Band 4_LTE_3MHz_Nss1,16QAM_1TX

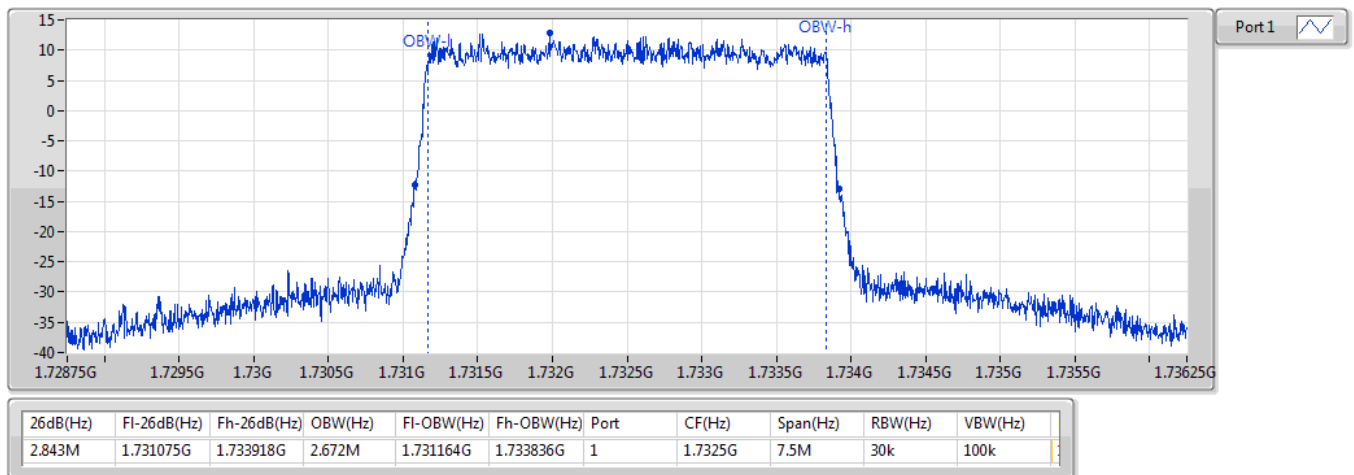
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1711.5MHz_16QAM_RB 15,#RB 0



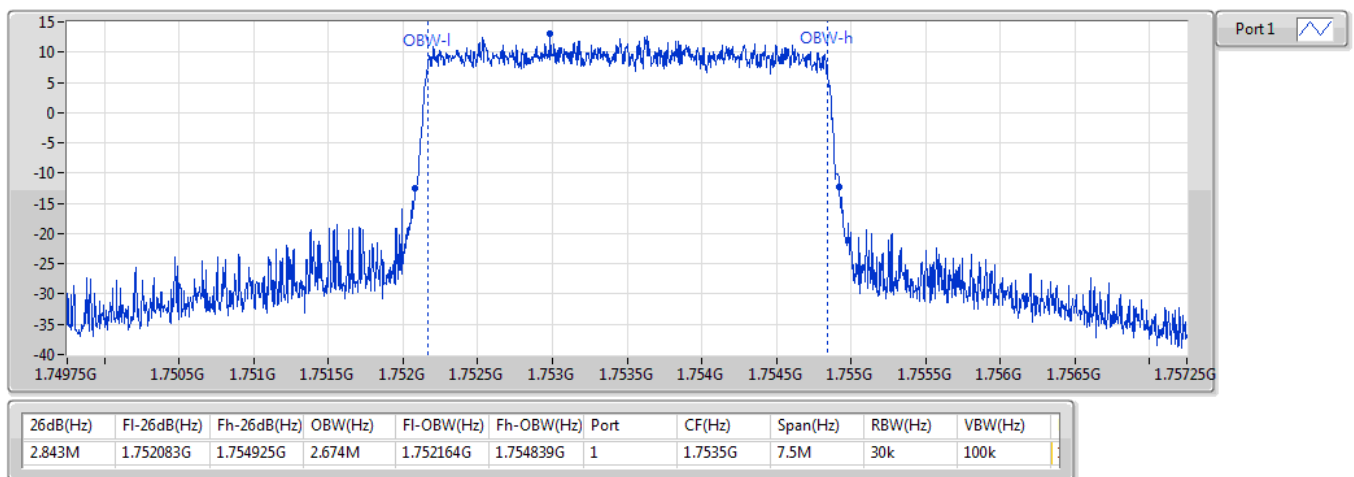
Band 4_LTE_3MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 15,#RB 0

EBW



Band 4_LTE_3MHz_Nss1,16QAM_1TX
1753.5MHz_16QAM_RB 15,#RB 0

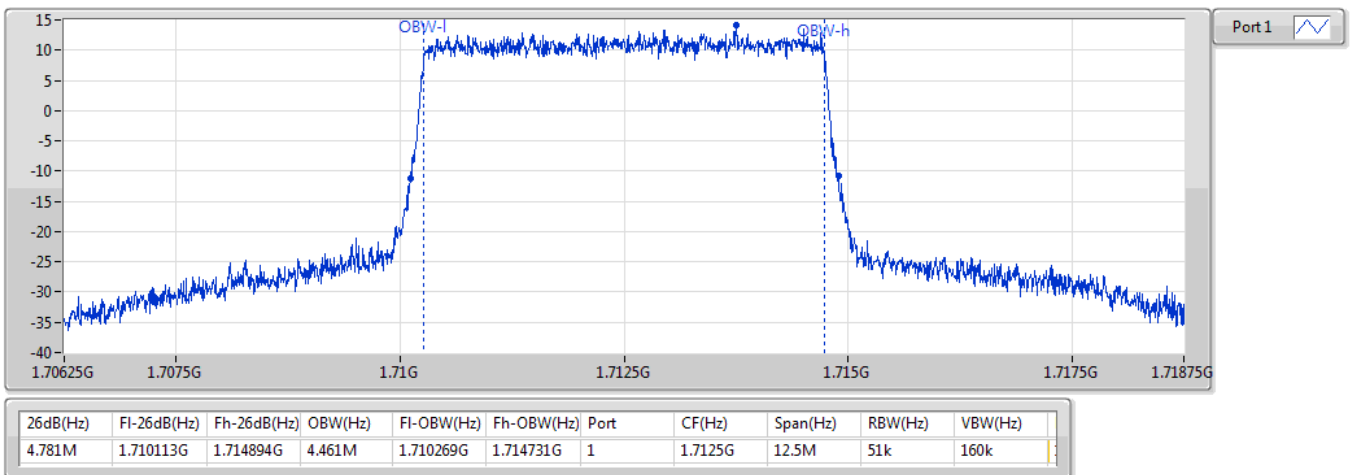
EBW



Band 4_LTE_5MHz_Nss1,QPSK_1TX

EBW

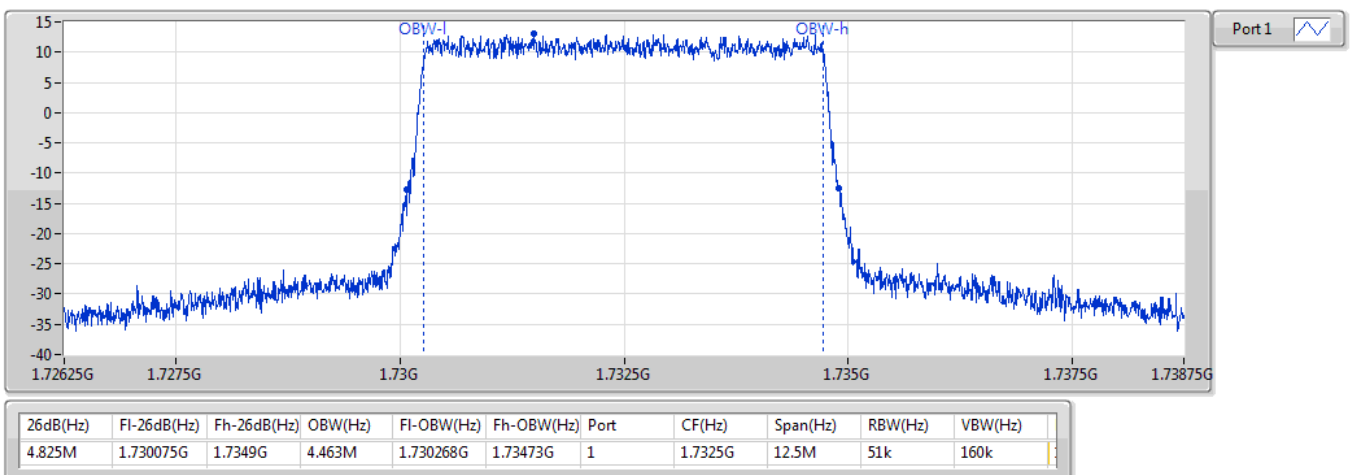
1712.5MHz_QPSK_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,QPSK_1TX

EBW

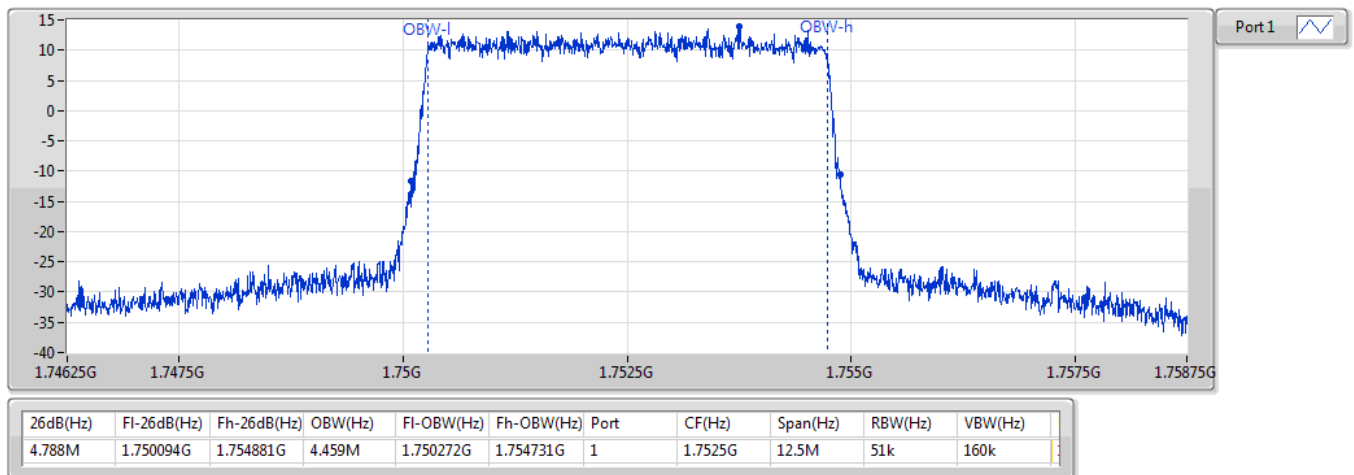
1732.5MHz_QPSK_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,QPSK_1TX

EBW

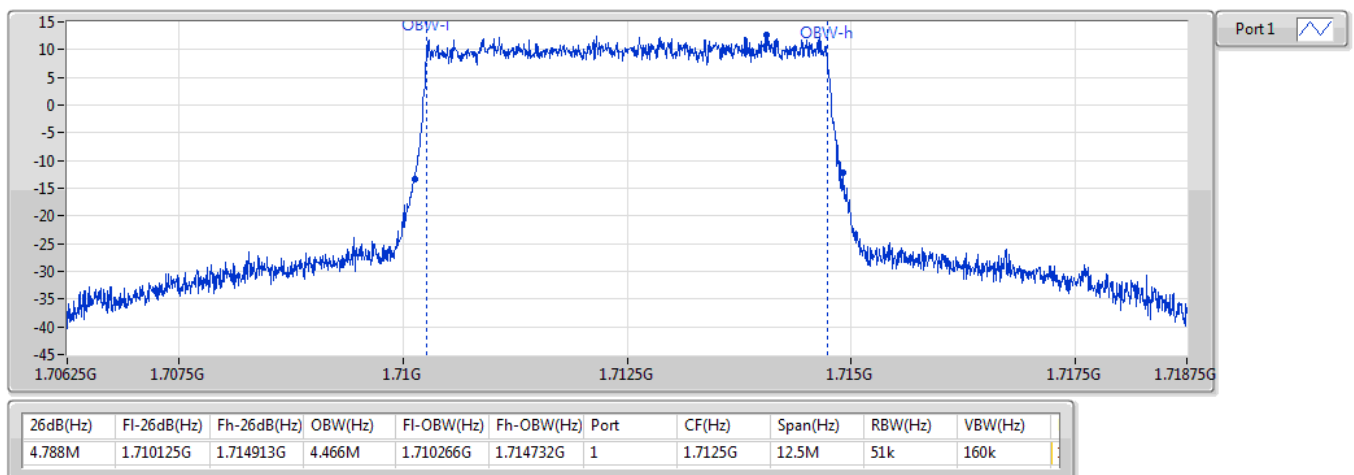
1752.5MHz_QPSK_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

EBW

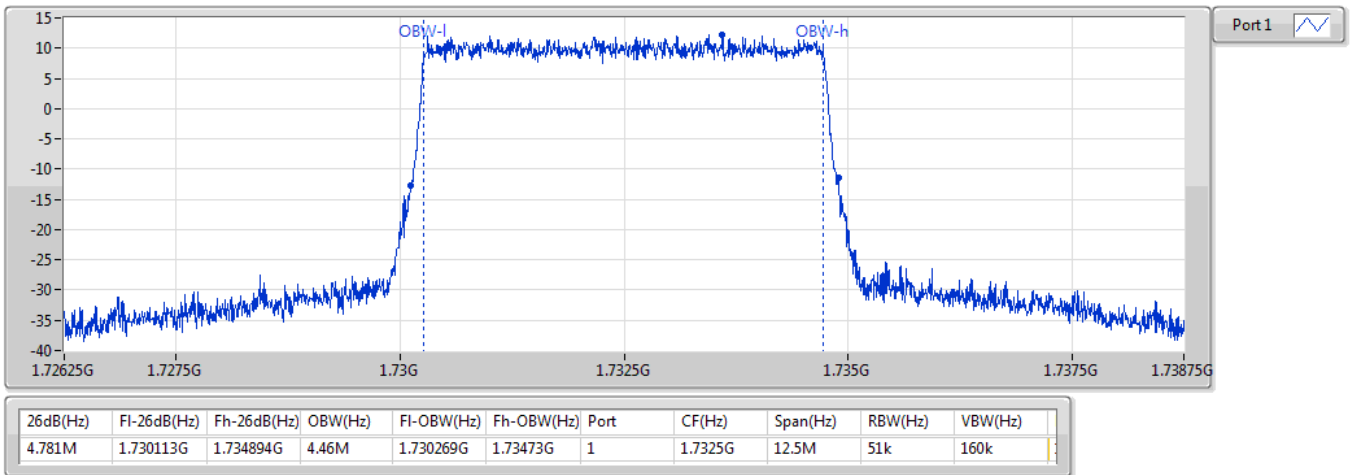
1712.5MHz_16QAM_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

EBW

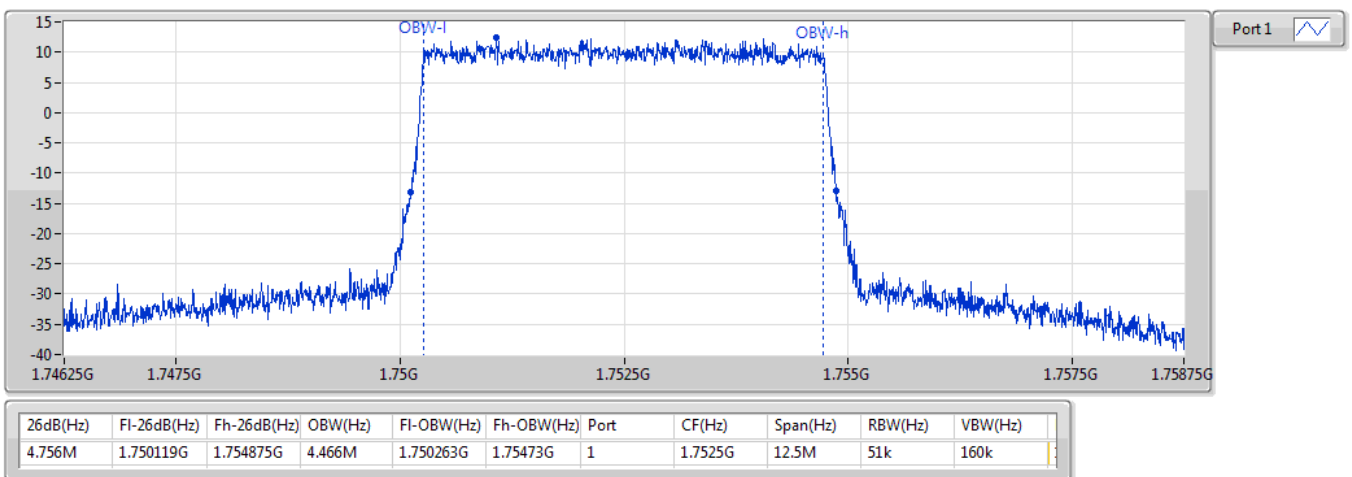
1732.5MHz_16QAM_RB 25,#RB 0



Band 4_LTE_5MHz_Nss1,16QAM_1TX

EBW

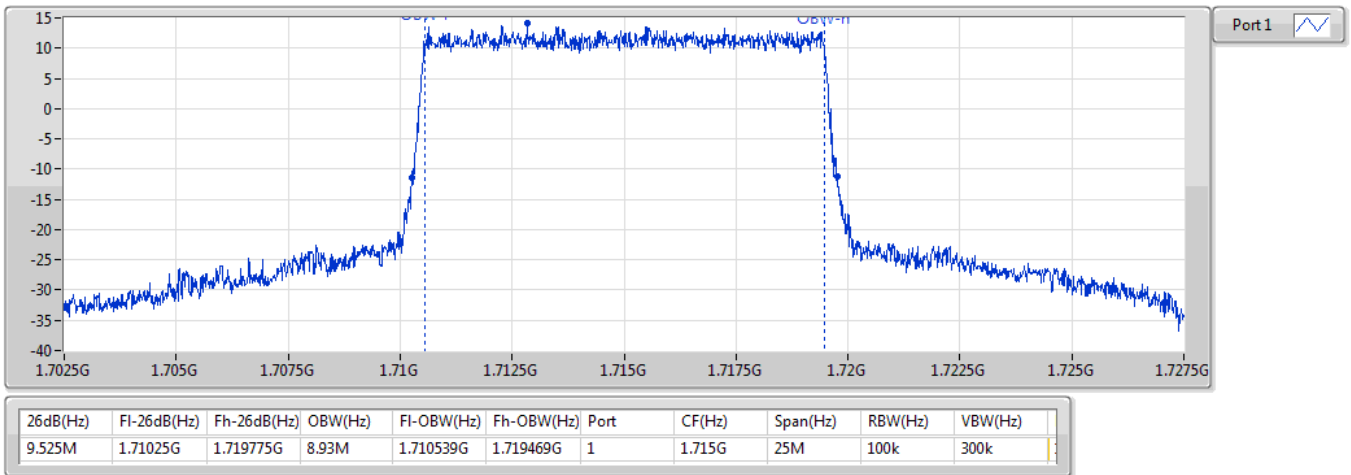
1752.5MHz_16QAM_RB 25,#RB 0



Band 4_LTE_10MHz_Nss1,QPSK_1TX

EBW

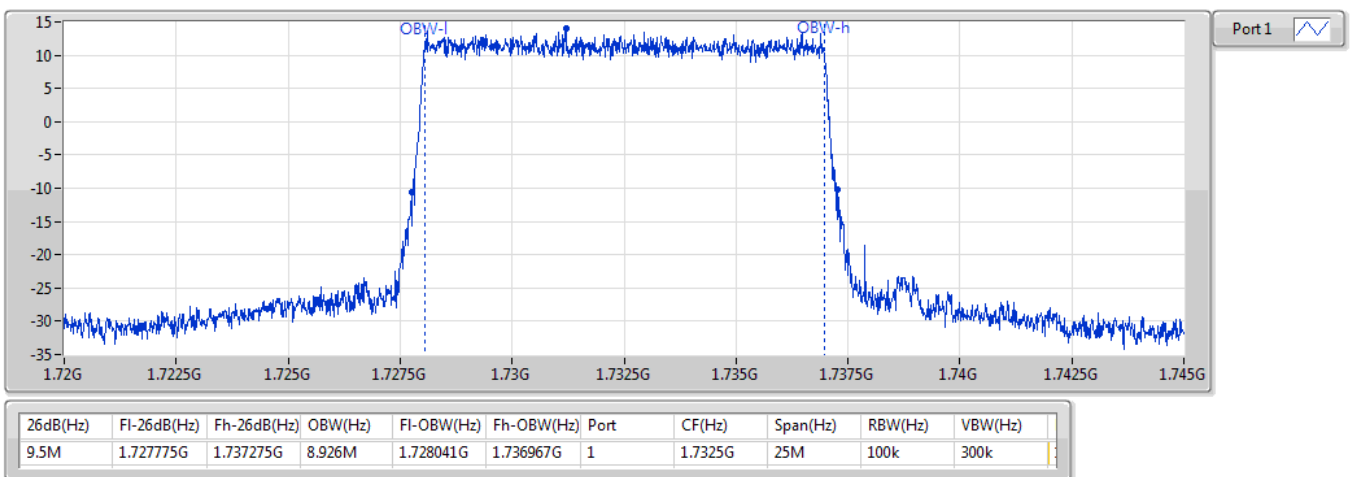
1715MHz_QPSK_RB 50,#RB 0



Band 4_LTE_10MHz_Nss1,QPSK_1TX

EBW

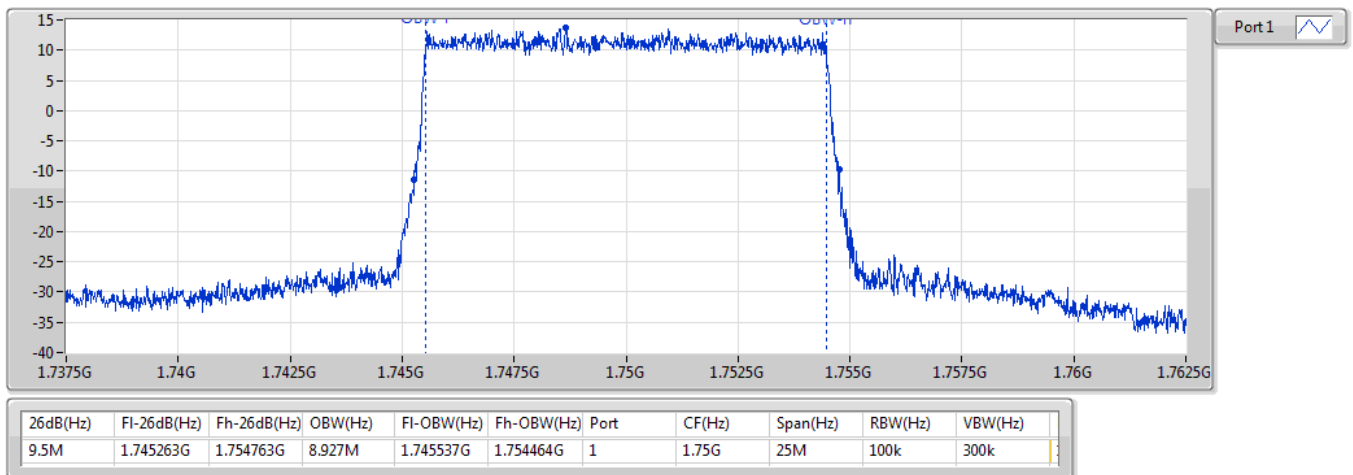
1732.5MHz_QPSK_RB 50,#RB 0



Band 4_LTE_10MHz_Nss1,QPSK_1TX

EBW

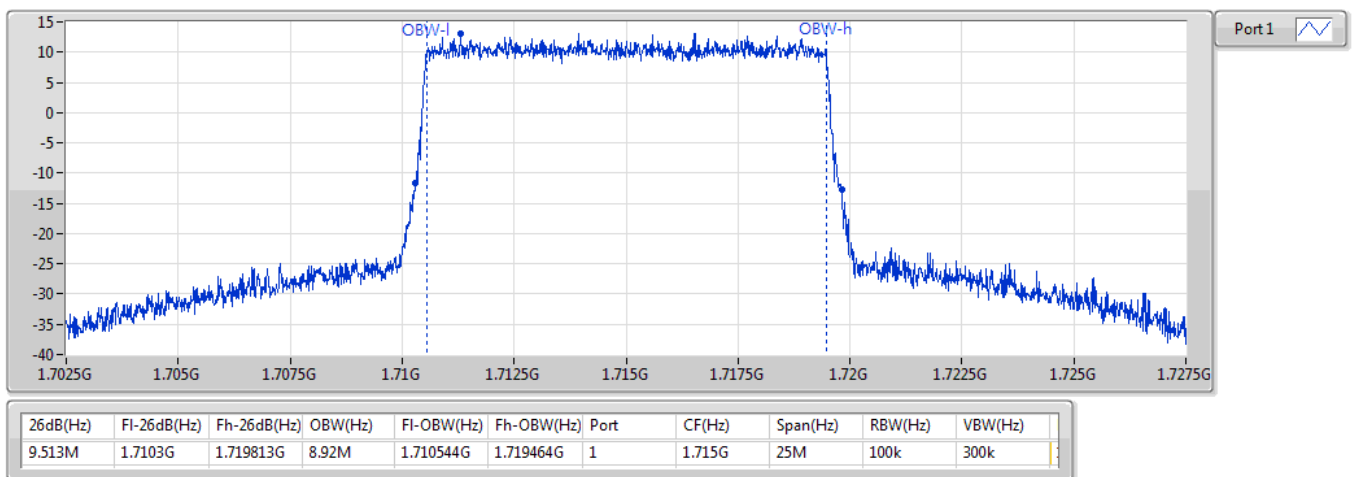
1750MHz_QPSK_RB 50,#RB 0



Band 4_LTE_10MHz_Nss1,16QAM_1TX

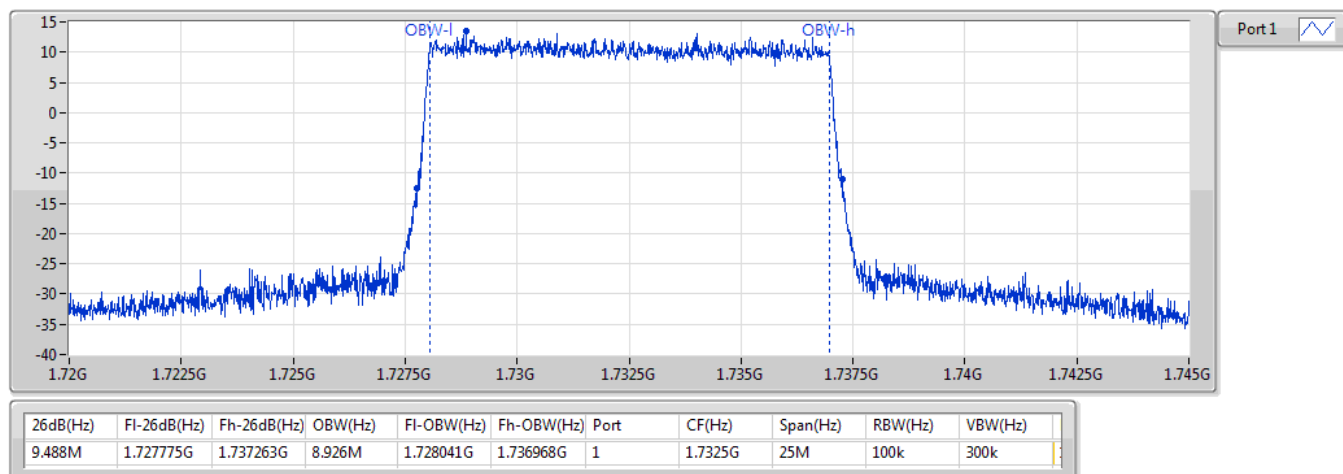
EBW

1715MHz_16QAM_RB 50,#RB 0



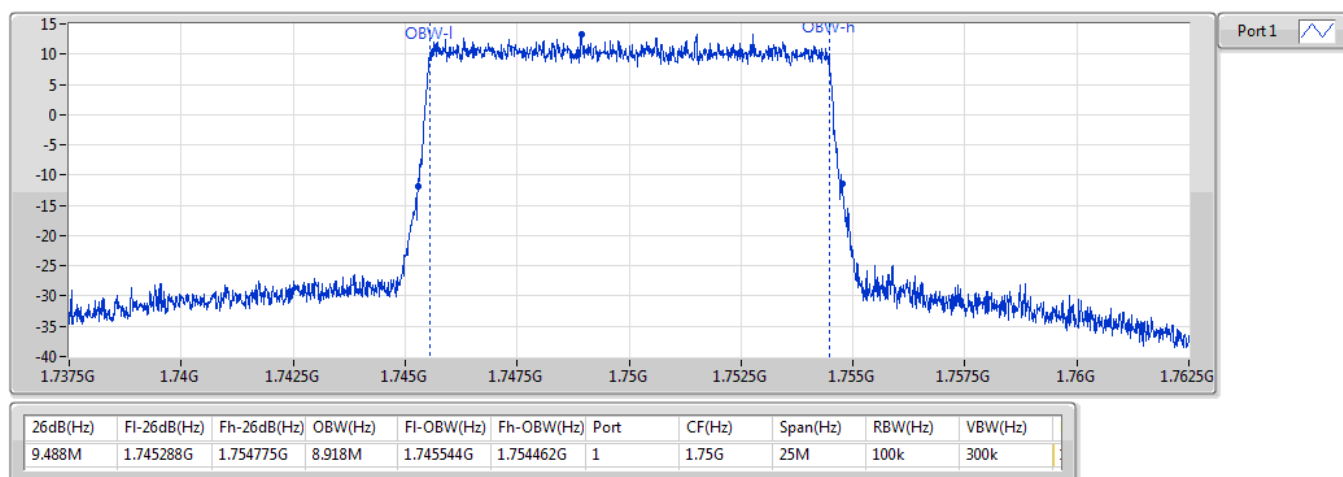
Band 4_LTE_10MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 50,#RB 0

EBW



Band 4_LTE_10MHz_Nss1,16QAM_1TX
1750MHz_16QAM_RB 50,#RB 0

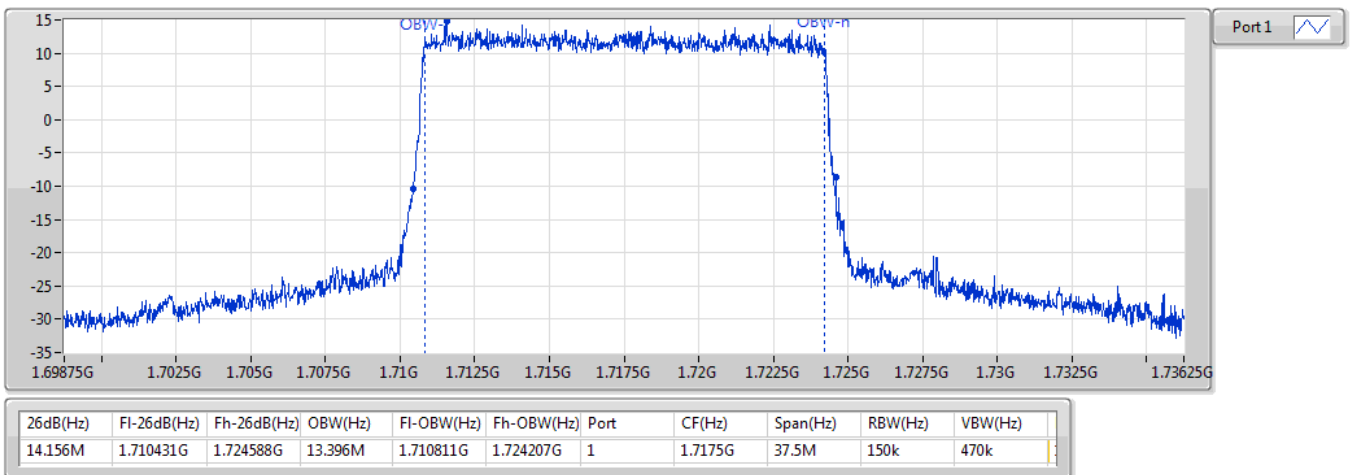
EBW



Band 4_LTE_15MHz_Nss1,QPSK_1TX

EBW

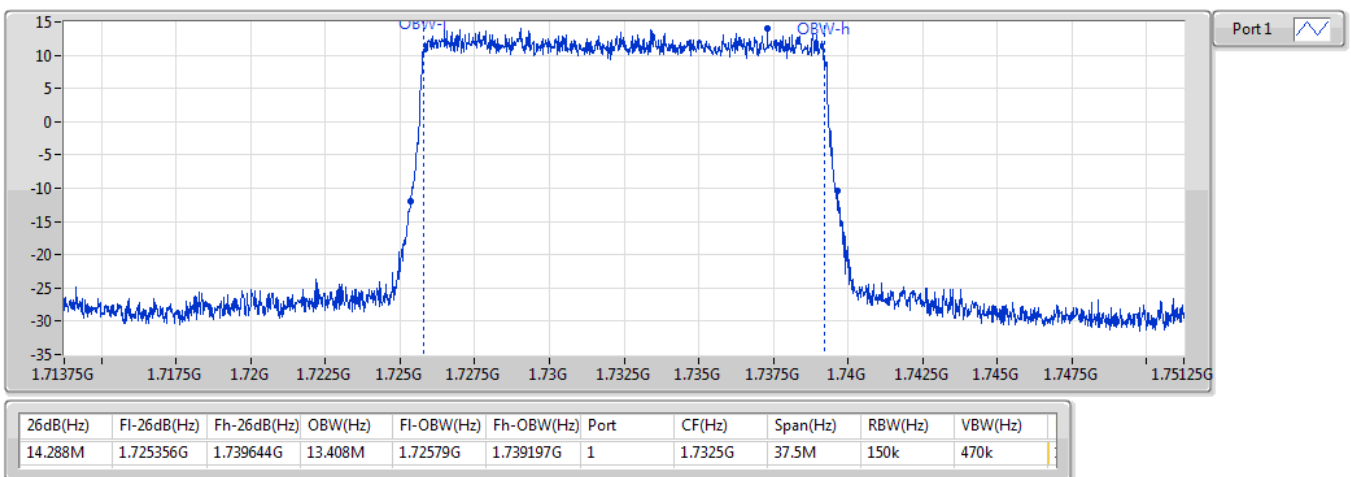
1717.5MHz_QPSK_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,QPSK_1TX

EBW

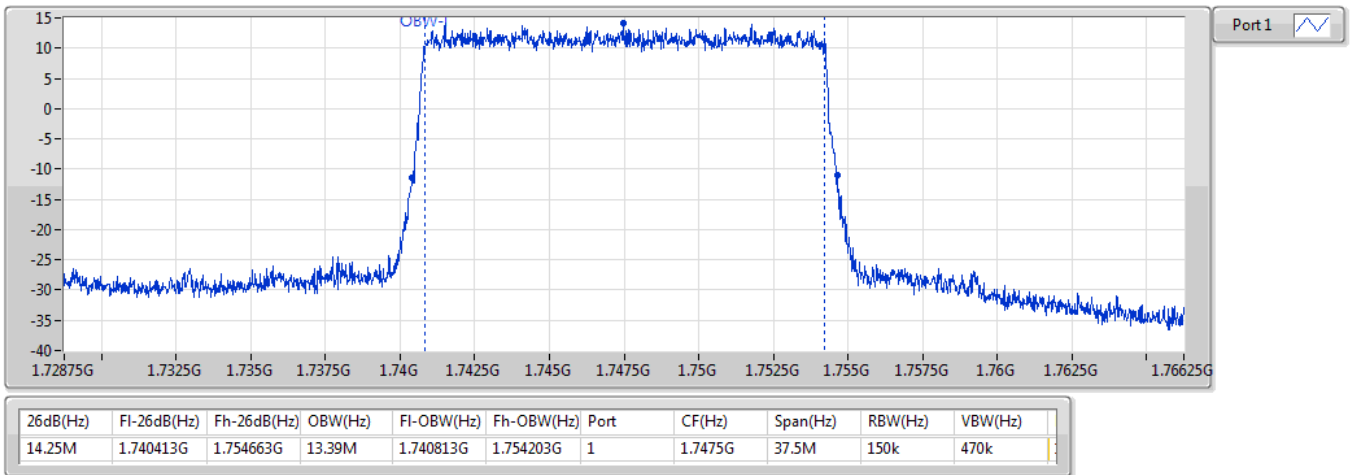
1732.5MHz_QPSK_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,QPSK_1TX

EBW

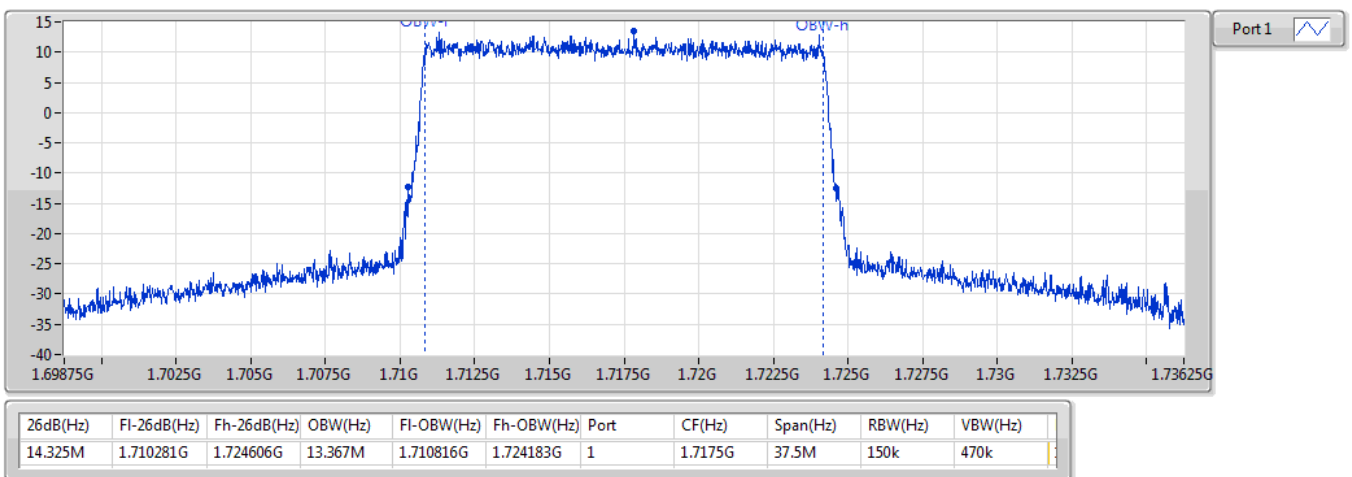
1747.5MHz_QPSK_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,16QAM_1TX

EBW

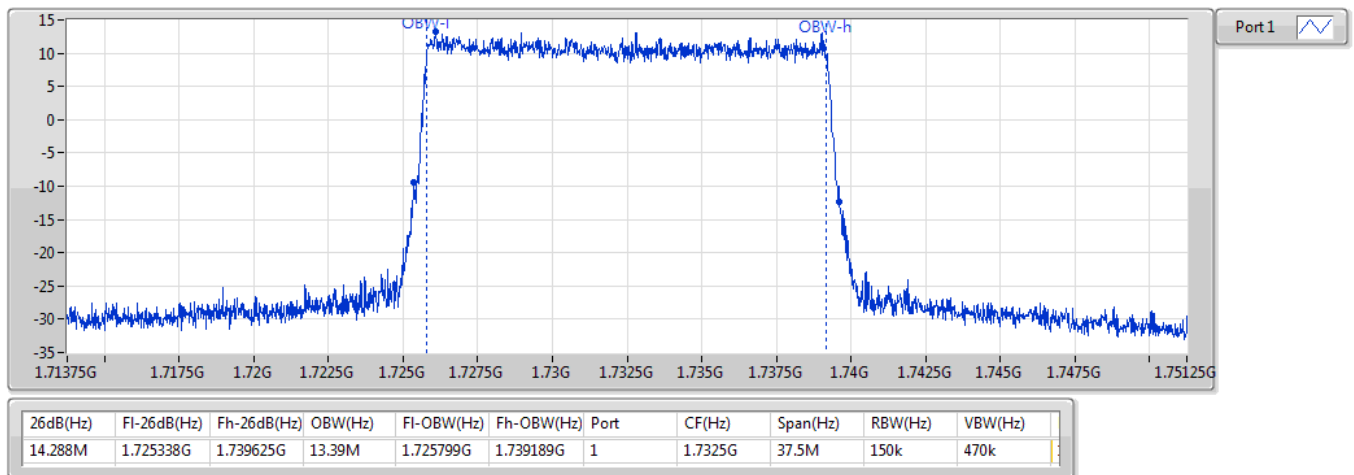
1717.5MHz_16QAM_RB 75,#RB 0



Band 4_LTE_15MHz_Nss1,16QAM_1TX

EBW

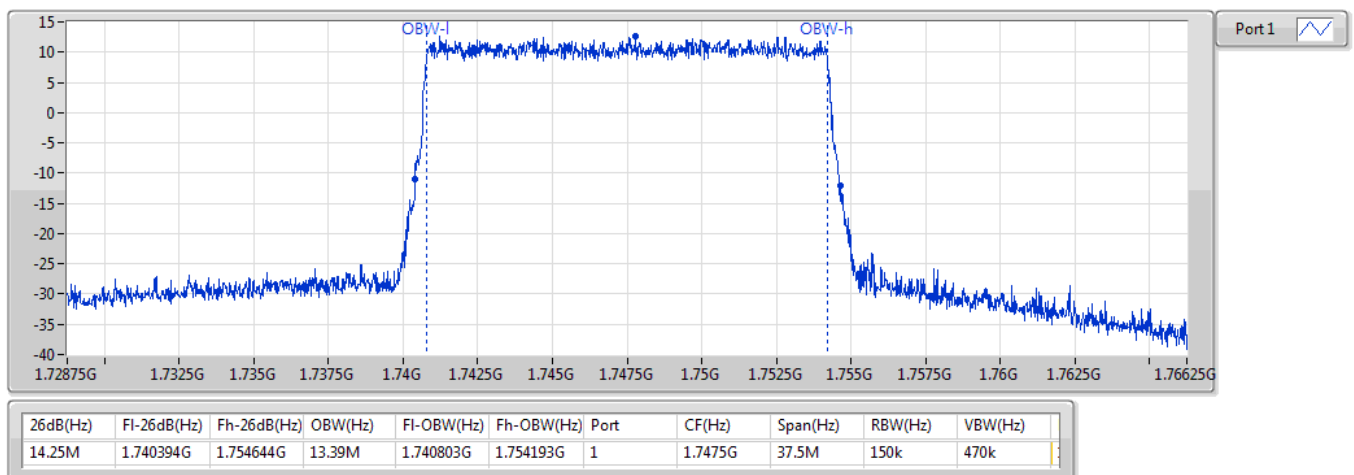
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Band 4_LTE_15MHz_Nss1,16QAM_1TX

EBW

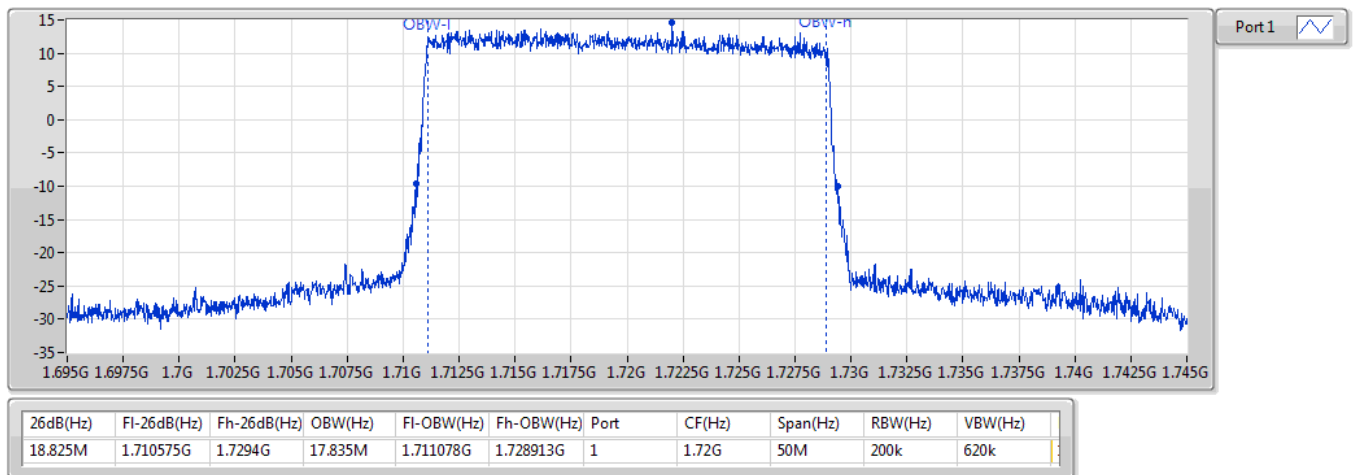
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Band 4_LTE_20MHz_Nss1,QPSK_1TX

EBW

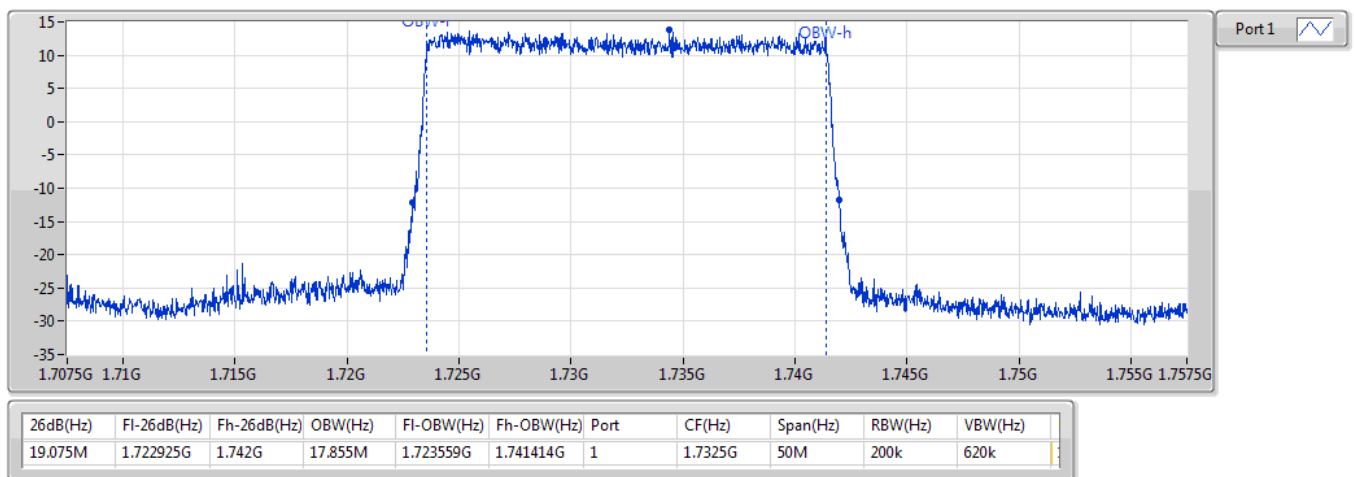
1720MHz_QPSK_RB 100,#RB 0



Band 4_LTE_20MHz_Nss1,QPSK_1TX

EBW

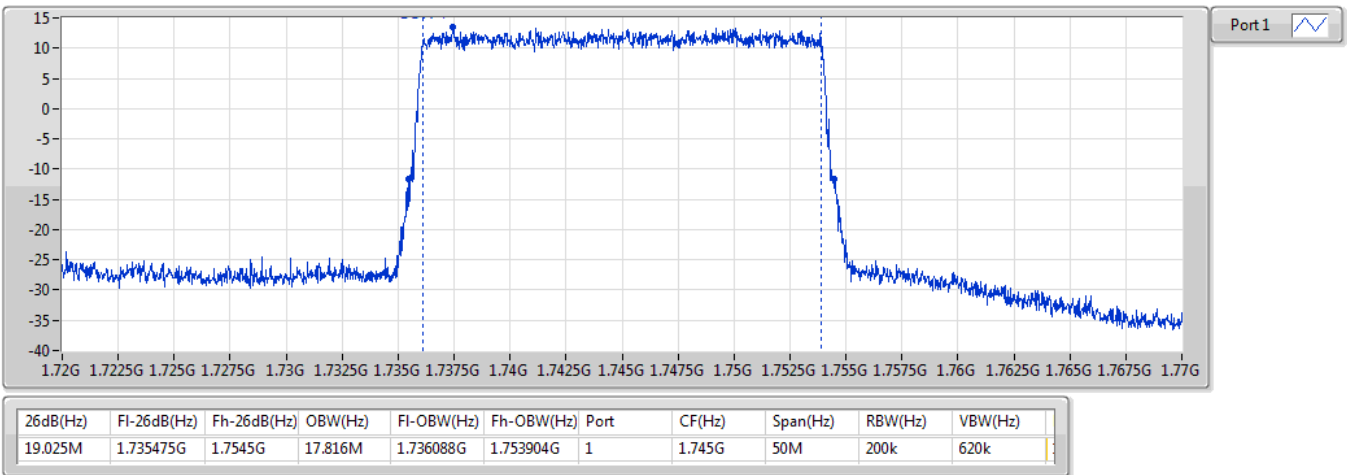
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Band 4_LTE_20MHz_Nss1,QPSK_1TX

EBW

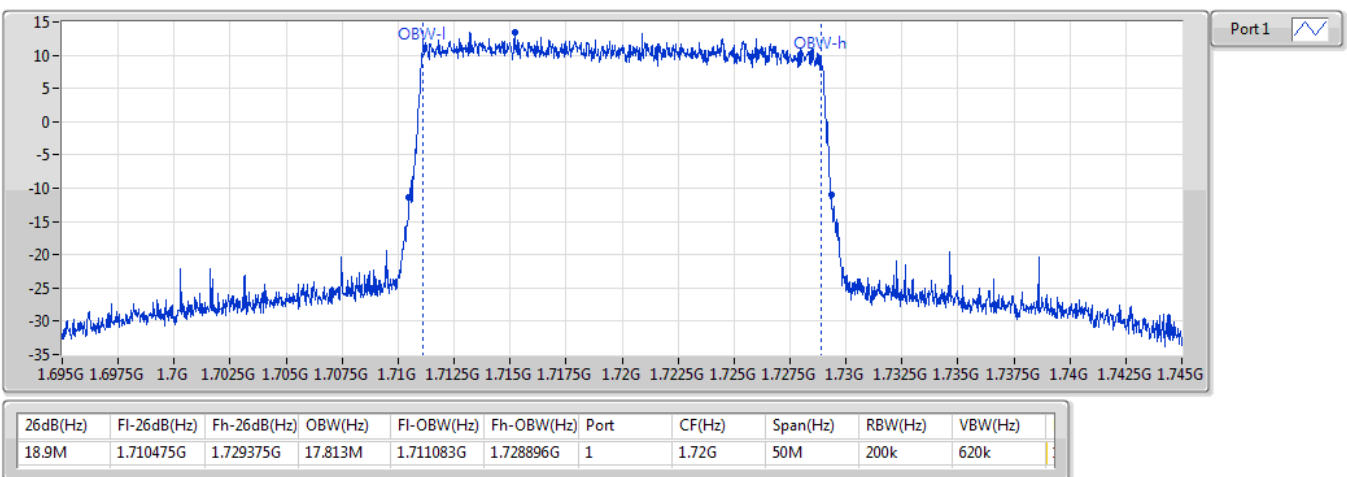
1745MHz_QPSK_RB 100,#RB 0



Band 4_LTE_20MHz_Nss1,16QAM_1TX

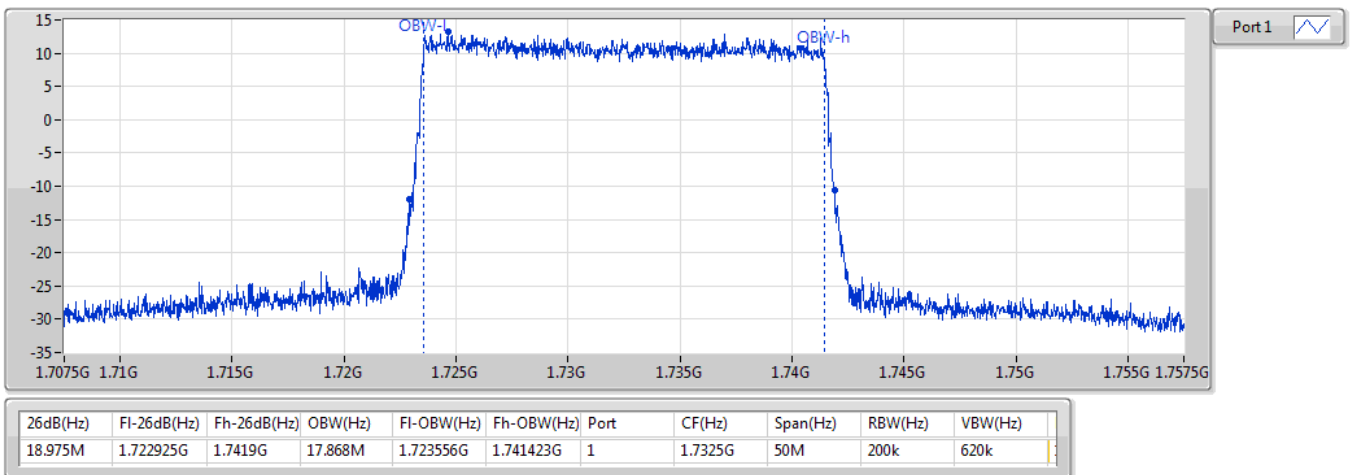
EBW

1720MHz_16QAM_RB 100,#RB 0



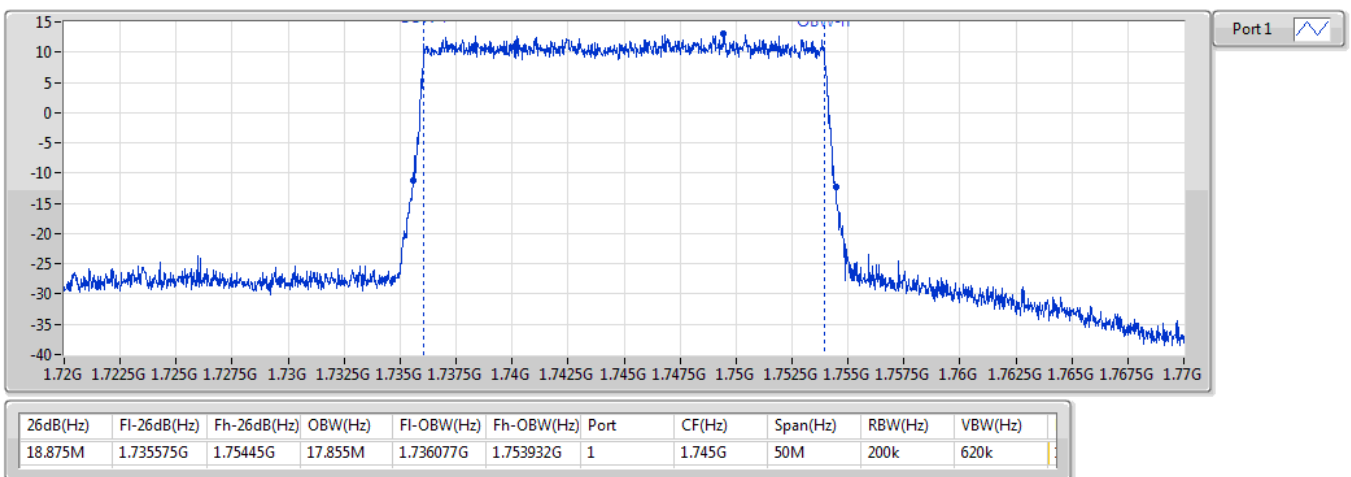
Band 4_LTE_20MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 100,#RB 0

EBW



Band 4_LTE_20MHz_Nss1,16QAM_1TX
1745MHz_16QAM_RB 100,#RB 0

EBW



**Summary**

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1732.5	13.00	5.10	1
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	5.84	1
LTE_3MHz_Nss1,QPSK_1TX	Pass	1732.5	13.00	5.10	1
LTE_3MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	5.93	1
LTE_5MHz_Nss1,QPSK_1TX	Pass	1732.5	13.00	5.15	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	1752.5	13.00	5.89	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	1750	13.00	5.32	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	1750	13.00	6.02	1
LTE_15MHz_Nss1,QPSK_1TX	Pass	1747.5	13.00	5.47	1
LTE_15MHz_Nss1,16QAM_1TX	Pass	1747.5	13.00	6.13	1
LTE_20MHz_Nss1,QPSK_1TX	Pass	1745	13.00	5.48	1
LTE_20MHz_Nss1,16QAM_1TX	Pass	1745	13.00	6.22	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-
1710.7MHz_QPSK_RB 6,#RB 0	Pass	1710.7	13.00	4.97	1
1732.5MHz_QPSK_RB 6,#RB 0	Pass	1732.5	13.00	5.10	1
1754.3MHz_QPSK_RB 6,#RB 0	Pass	1754.3	13.00	4.91	1
1710.7MHz_16QAM_RB 6,#RB 0	Pass	1710.7	13.00	5.73	1
1732.5MHz_16QAM_RB 6,#RB 0	Pass	1732.5	13.00	5.84	1
1754.3MHz_16QAM_RB 6,#RB 0	Pass	1754.3	13.00	5.67	1
Band 4_LTE_3MHz_Nss1_1TX	-	-	-	-	-
1711.5MHz_QPSK_RB 15,#RB 0	Pass	1711.5	13.00	5.01	1
1732.5MHz_QPSK_RB 15,#RB 0	Pass	1732.5	13.00	5.10	1
1753.5MHz_QPSK_RB 15,#RB 0	Pass	1753.5	13.00	5.03	1
1711.5MHz_16QAM_RB 15,#RB 0	Pass	1711.5	13.00	5.84	1
1732.5MHz_16QAM_RB 15,#RB 0	Pass	1732.5	13.00	5.93	1
1753.5MHz_16QAM_RB 15,#RB 0	Pass	1753.5	13.00	5.80	1
Band 4_LTE_5MHz_Nss1_1TX	-	-	-	-	-
1712.5MHz_QPSK_RB 25,#RB 0	Pass	1712.5	13.00	5.01	1
1732.5MHz_QPSK_RB 25,#RB 0	Pass	1732.5	13.00	5.15	1
1752.5MHz_QPSK_RB 25,#RB 0	Pass	1752.5	13.00	5.07	1
1712.5MHz_16QAM_RB 25,#RB 0	Pass	1712.5	13.00	5.75	1
1732.5MHz_16QAM_RB 25,#RB 0	Pass	1732.5	13.00	5.87	1
1752.5MHz_16QAM_RB 25,#RB 0	Pass	1752.5	13.00	5.89	1
Band 4_LTE_10MHz_Nss1_1TX	-	-	-	-	-
1715MHz_QPSK_RB 50,#RB 0	Pass	1715	13.00	5.02	1
1732.5MHz_QPSK_RB 50,#RB 0	Pass	1732.5	13.00	5.18	1
1750MHz_QPSK_RB 50,#RB 0	Pass	1750	13.00	5.32	1
1715MHz_16QAM_RB 50,#RB 0	Pass	1715	13.00	5.77	1
1732.5MHz_16QAM_RB 50,#RB 0	Pass	1732.5	13.00	5.90	1
1750MHz_16QAM_RB 50,#RB 0	Pass	1750	13.00	6.02	1
Band 4_LTE_15MHz_Nss1_1TX	-	-	-	-	-
1717.5MHz_QPSK_RB 75,#RB 0	Pass	1717.5	13.00	5.18	1
1732.5MHz_QPSK_RB 75,#RB 0	Pass	1732.5	13.00	5.39	1
1747.5MHz_QPSK_RB 75,#RB 0	Pass	1747.5	13.00	5.47	1
1717.5MHz_16QAM_RB 75,#RB 0	Pass	1717.5	13.00	5.85	1
1732.5MHz_16QAM_RB 75,#RB 0	Pass	1732.5	13.00	6.04	1
1747.5MHz_16QAM_RB 75,#RB 0	Pass	1747.5	13.00	6.13	1



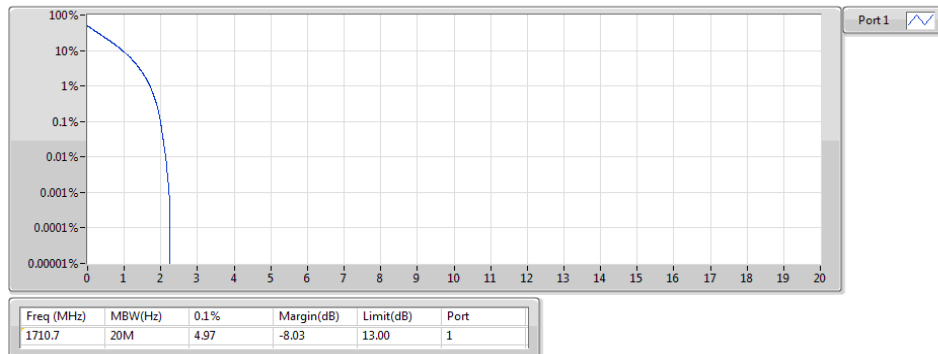
Peak to Average Power Ratio

Appendix E

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_LTE_20MHz_Nss1_1TX	-	-	-	-	-
1720MHz_QPSK_RB 100,#RB 0	Pass	1720	13.00	5.27	1
1732.5MHz_QPSK_RB 100,#RB 0	Pass	1732.5	13.00	5.38	1
1745MHz_QPSK_RB 100,#RB 0	Pass	1745	13.00	5.48	1
1720MHz_16QAM_RB 100,#RB 0	Pass	1720	13.00	5.96	1
1732.5MHz_16QAM_RB 100,#RB 0	Pass	1732.5	13.00	6.12	1
1745MHz_16QAM_RB 100,#RB 0	Pass	1745	13.00	6.22	1

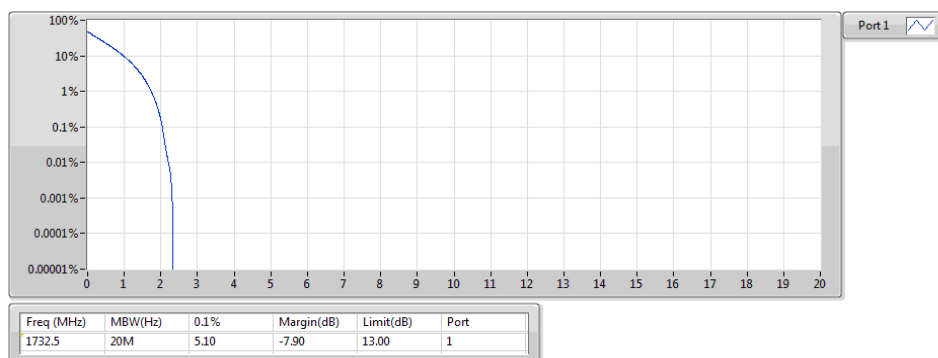
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1710.7MHz_QPSK_RB 6,#RB 0

PAR



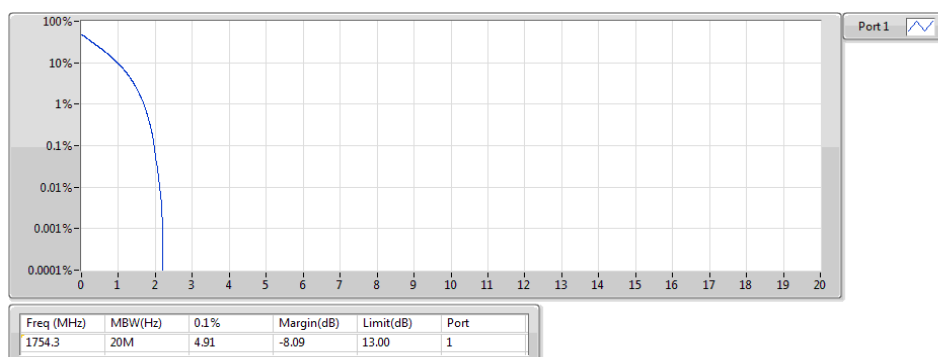
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 6,#RB 0

PAR



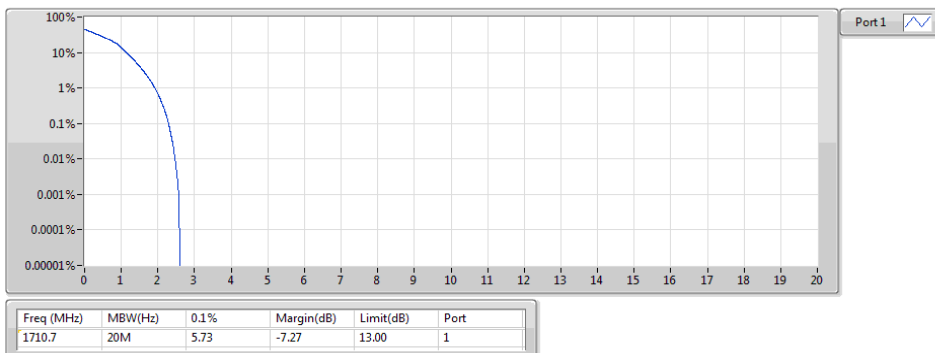
Band 4_LTE_1.4MHz_Nss1,QPSK_1TX
1754.3MHz_QPSK_RB 6,#RB 0

PAR



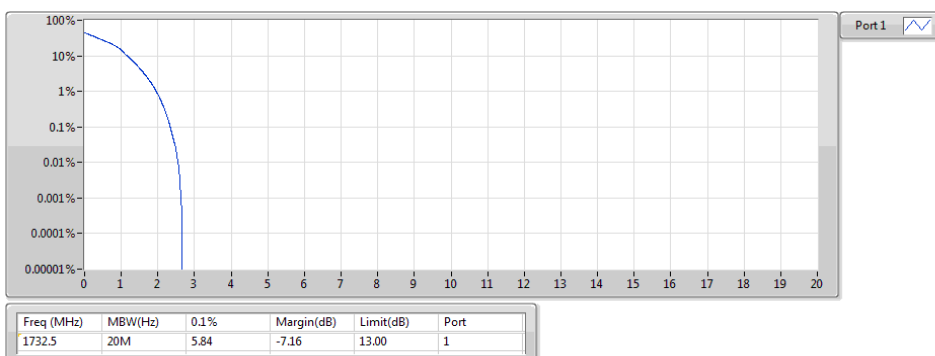
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
1710.7MHz_16QAM_RB 6,#RB 0

PAR



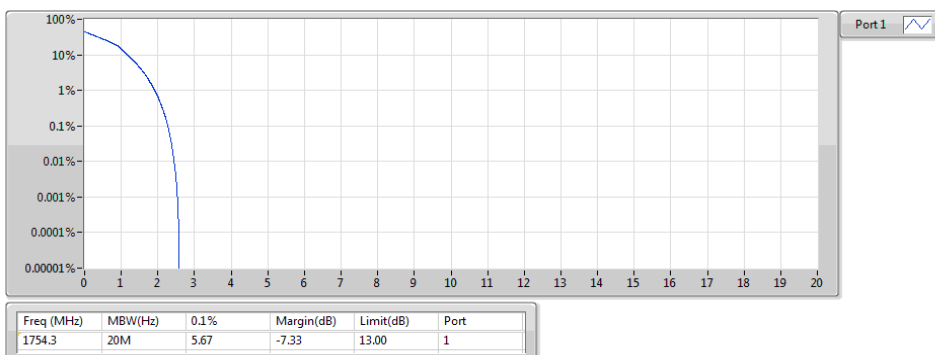
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 6,#RB 0

PAR



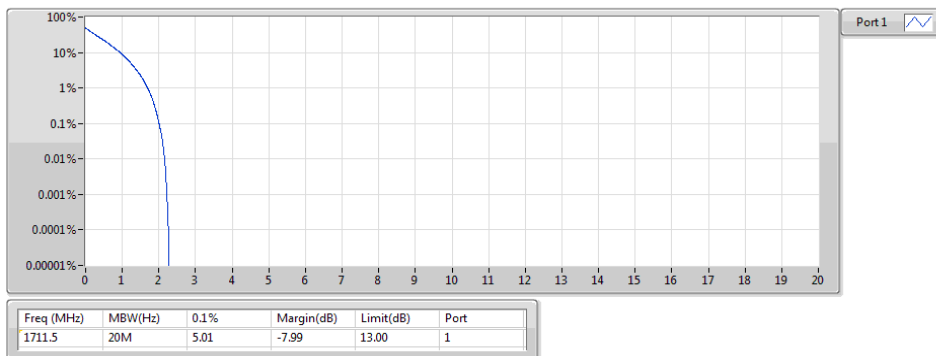
Band 4_LTE_1.4MHz_Nss1,16QAM_1TX
1754.3MHz_16QAM_RB 6,#RB 0

PAR



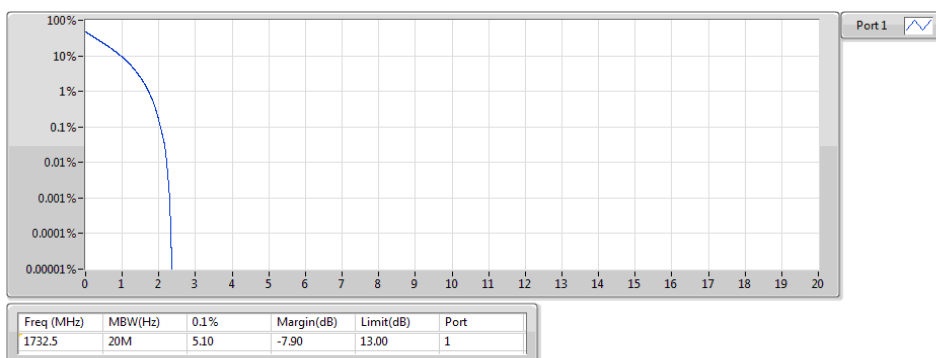
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1711.5MHz_QPSK_RB 15,#RB 0

PAR



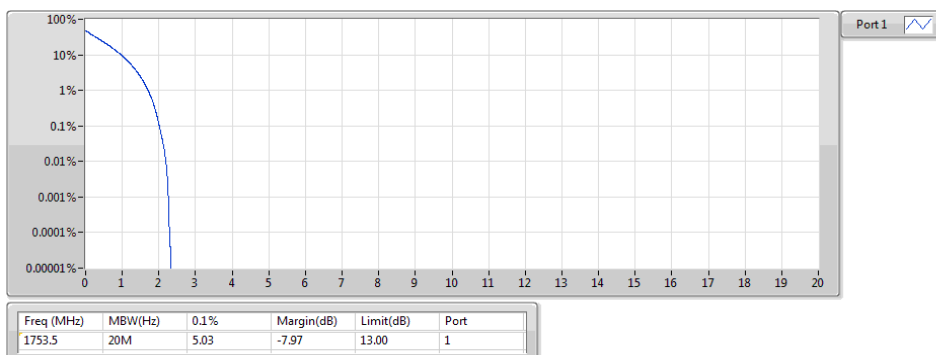
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 15,#RB 0

PAR



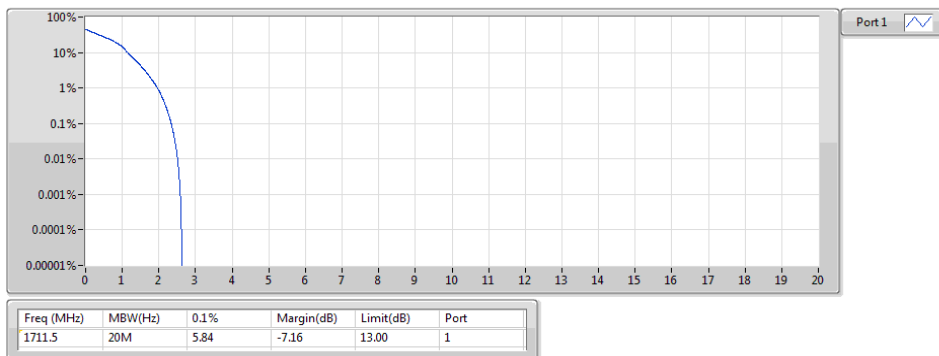
Band 4_LTE_3MHz_Nss1,QPSK_1TX
1753.5MHz_QPSK_RB 15,#RB 0

PAR



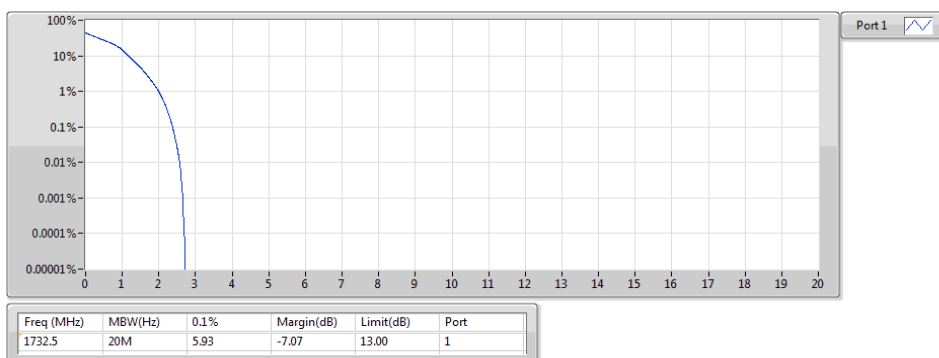
Band 4_LTE_3MHz_Nss1,16QAM_1TX
1711.5MHz_16QAM_RB 15,#RB 0

PAR



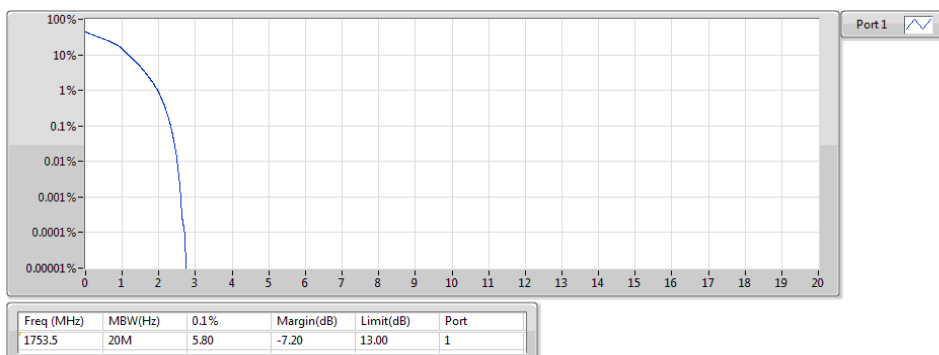
Band 4_LTE_3MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 15,#RB 0

PAR



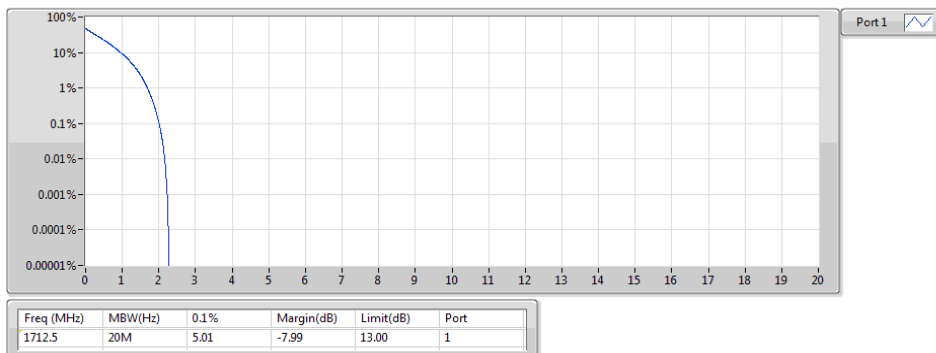
Band 4_LTE_3MHz_Nss1,16QAM_1TX
1753.5MHz_16QAM_RB 15,#RB 0

PAR



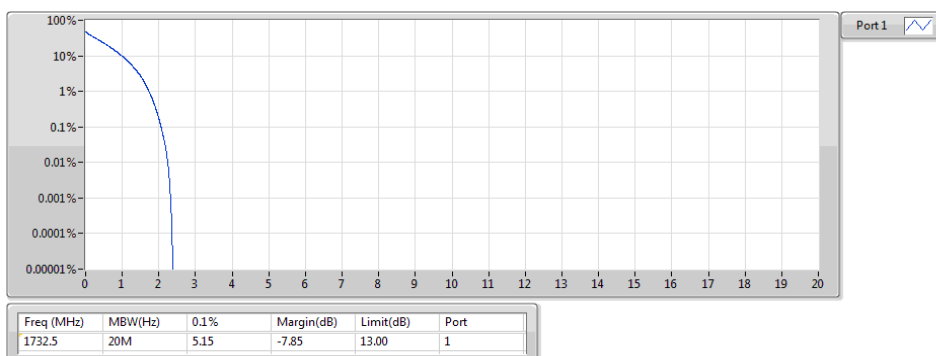
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1712.5MHz_QPSK_RB 25,#RB 0

PAR



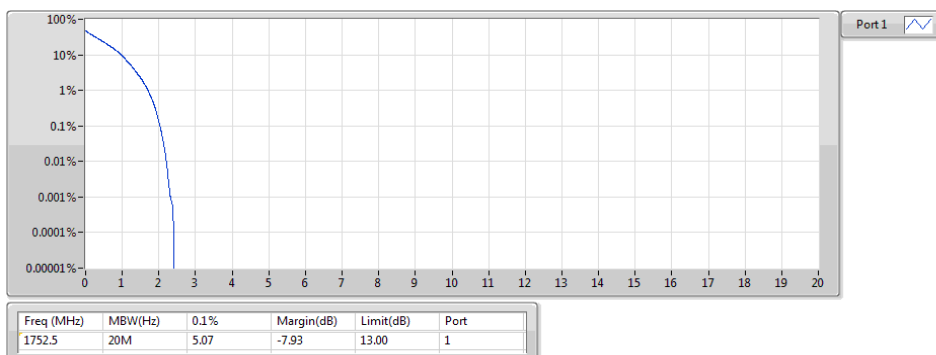
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 25,#RB 0

PAR



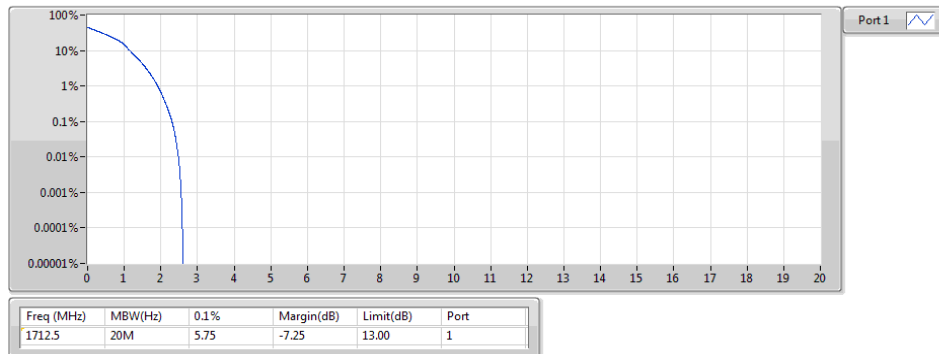
Band 4_LTE_5MHz_Nss1,QPSK_1TX
1752.5MHz_QPSK_RB 25,#RB 0

PAR



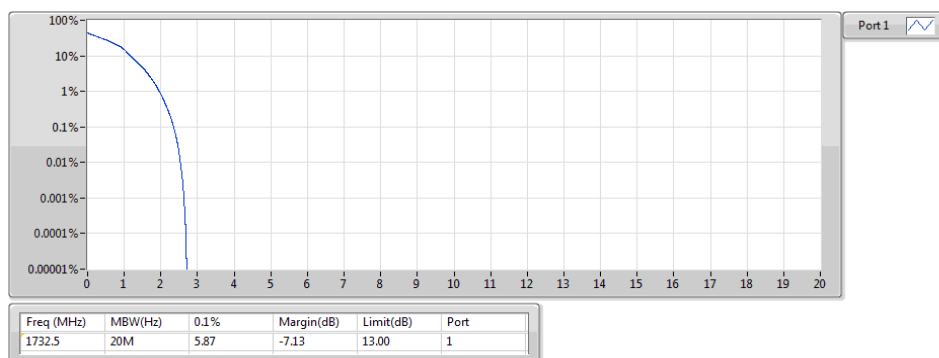
Band 4_LTE_5MHz_Nss1,16QAM_1TX
1712.5MHz_16QAM_RB 25,#RB 0

PAR



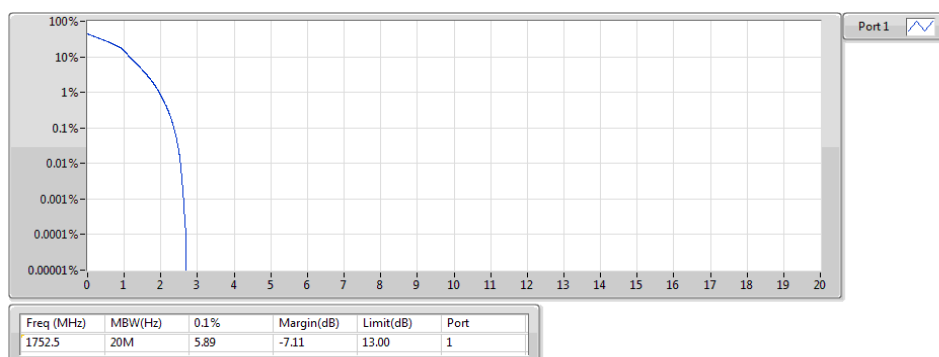
Band 4_LTE_5MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 25,#RB 0

PAR



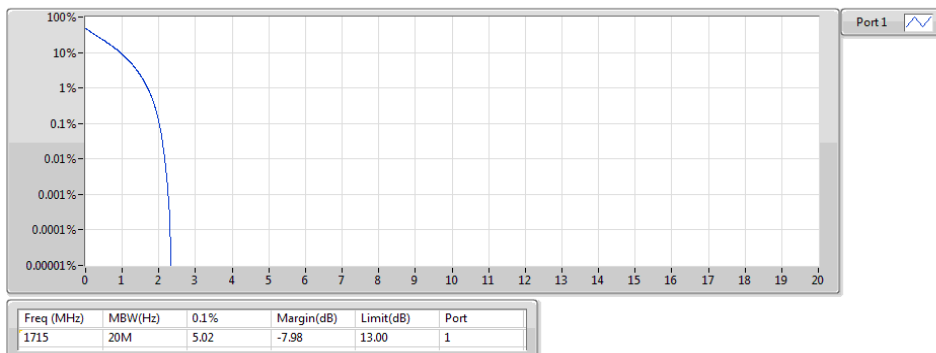
Band 4_LTE_5MHz_Nss1,16QAM_1TX
1752.5MHz_16QAM_RB 25,#RB 0

PAR



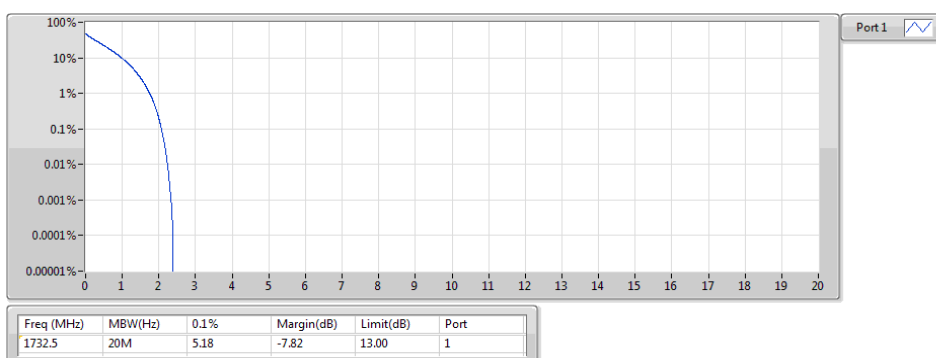
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1715MHz_QPSK_RB 50,#RB 0

PAR



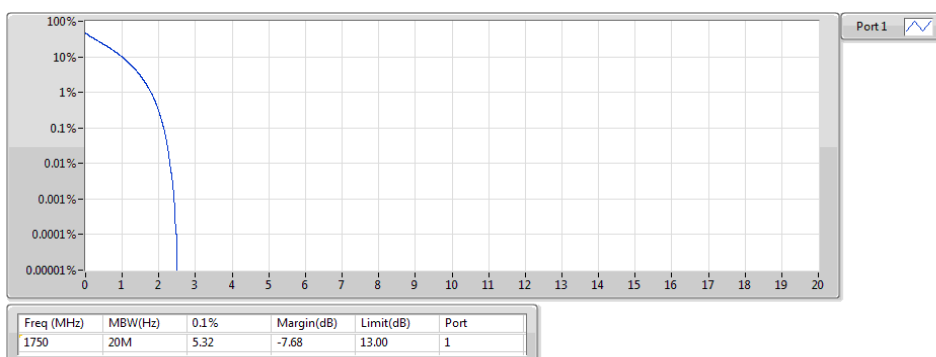
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 50,#RB 0

PAR



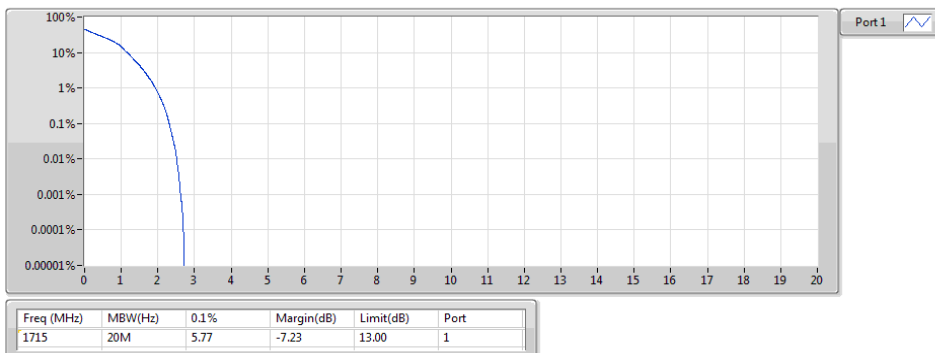
Band 4_LTE_10MHz_Nss1,QPSK_1TX
1750MHz_QPSK_RB 50,#RB 0

PAR



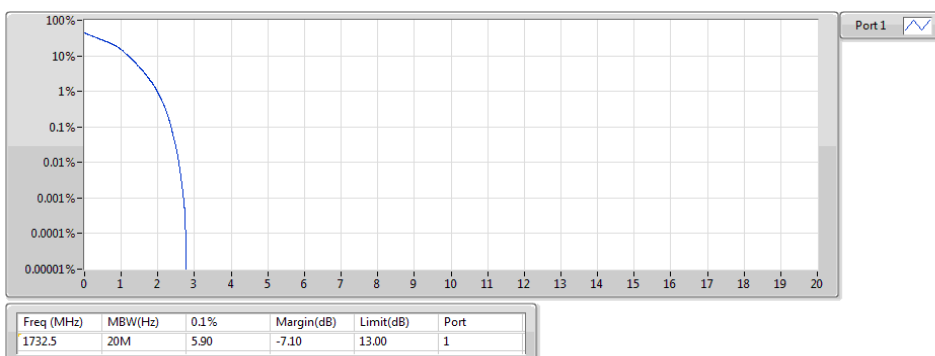
Band 4_LTE_10MHz_Nss1,16QAM_1TX
1715MHz_16QAM_RB 50,#RB 0

PAR



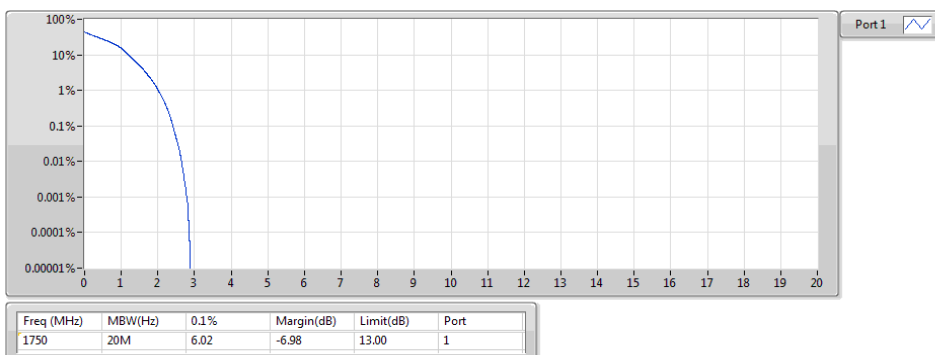
Band 4_LTE_10MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 50,#RB 0

PAR



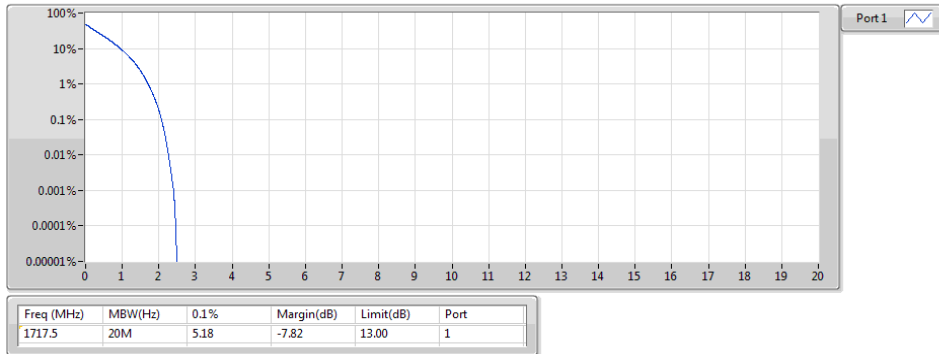
Band 4_LTE_10MHz_Nss1,16QAM_1TX
1750MHz_16QAM_RB 50,#RB 0

PAR



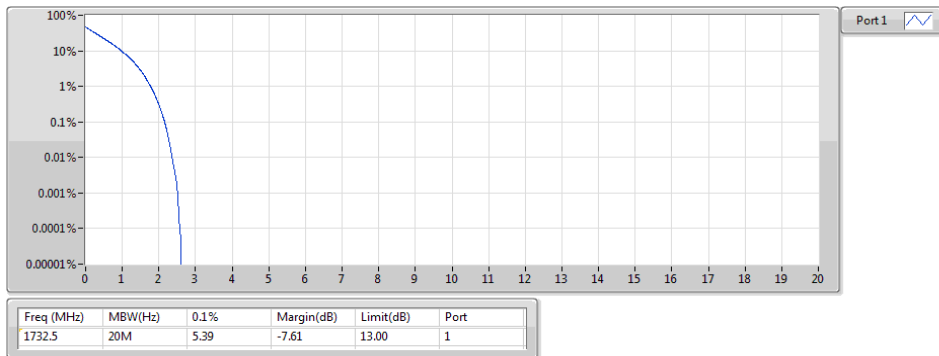
Band 4_LTE_15MHz_Nss1,QPSK_1TX
1717.5MHz_QPSK_RB 75,#RB 0

PAR



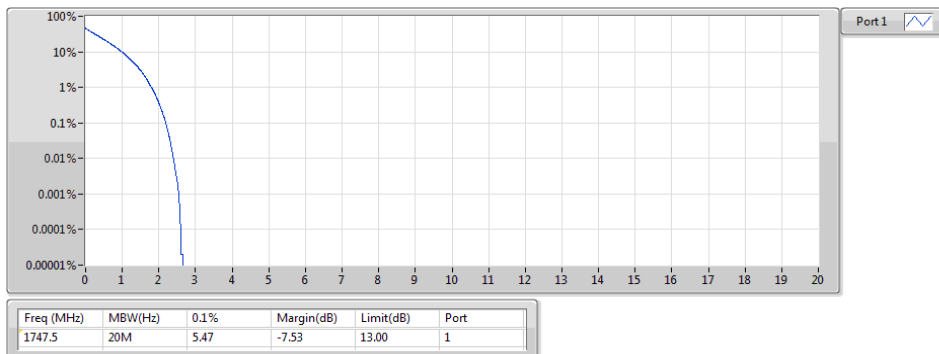
Band 4_LTE_15MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 75,#RB 0

PAR



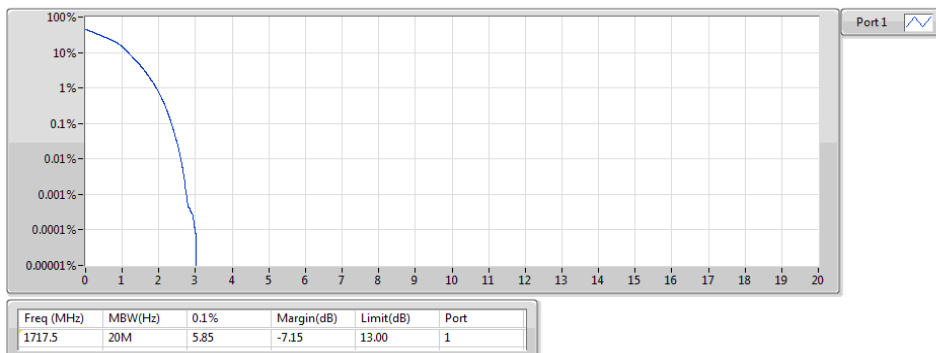
Band 4_LTE_15MHz_Nss1,QPSK_1TX
1747.5MHz_QPSK_RB 75,#RB 0

PAR



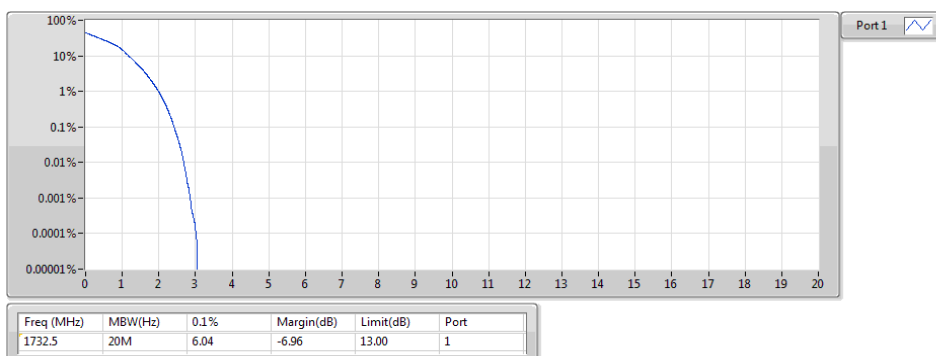
Band 4_LTE_15MHz_Nss1,16QAM_1TX
1717.5MHz_16QAM_RB 75,#RB 0

PAR



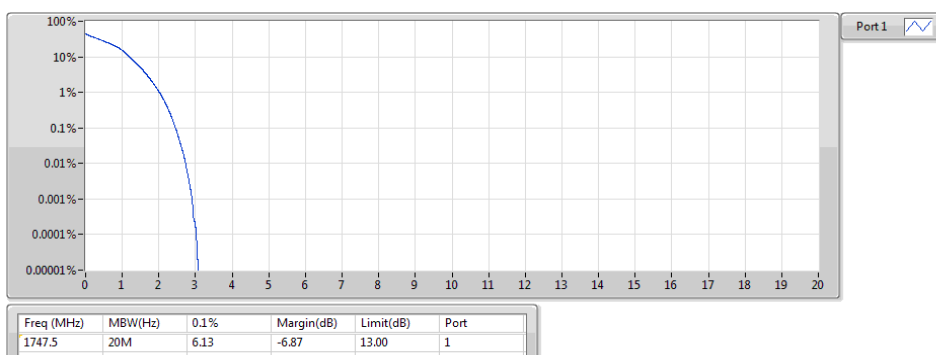
Band 4_LTE_15MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 75,#RB 0

PAR



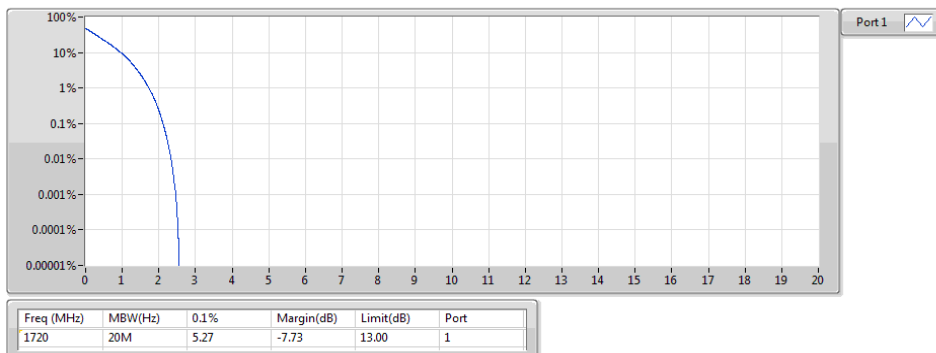
Band 4_LTE_15MHz_Nss1,16QAM_1TX
1747.5MHz_16QAM_RB 75,#RB 0

PAR



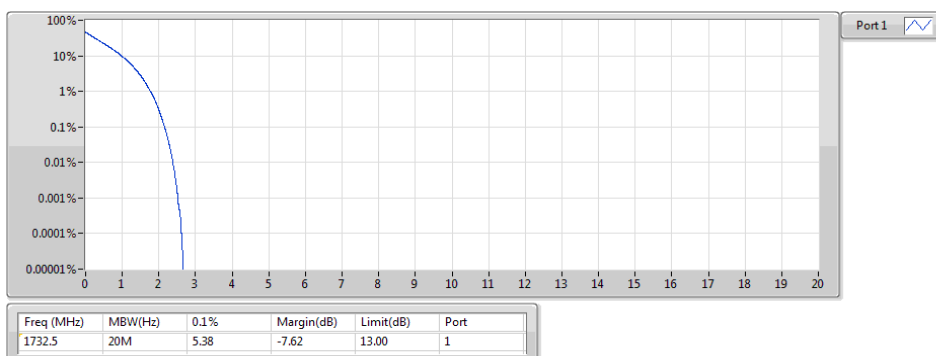
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1720MHz_QPSK_RB 100,#RB 0

PAR



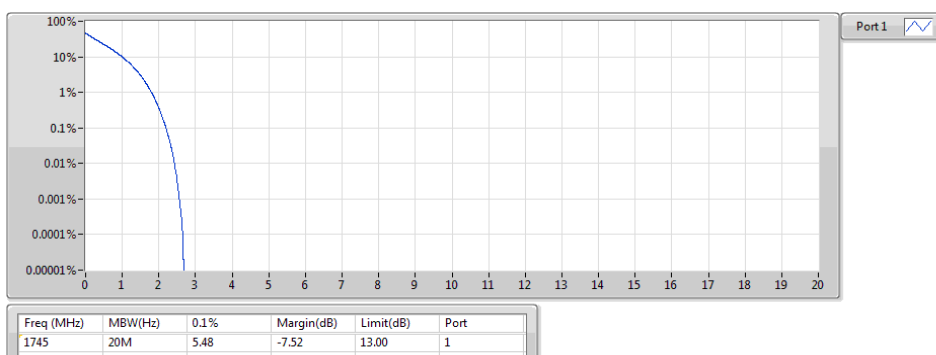
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1732.5MHz_QPSK_RB 100,#RB 0

PAR



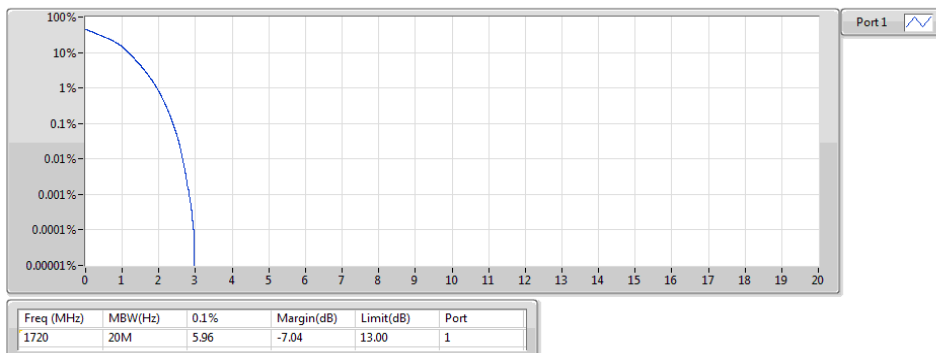
Band 4_LTE_20MHz_Nss1,QPSK_1TX
1745MHz_QPSK_RB 100,#RB 0

PAR



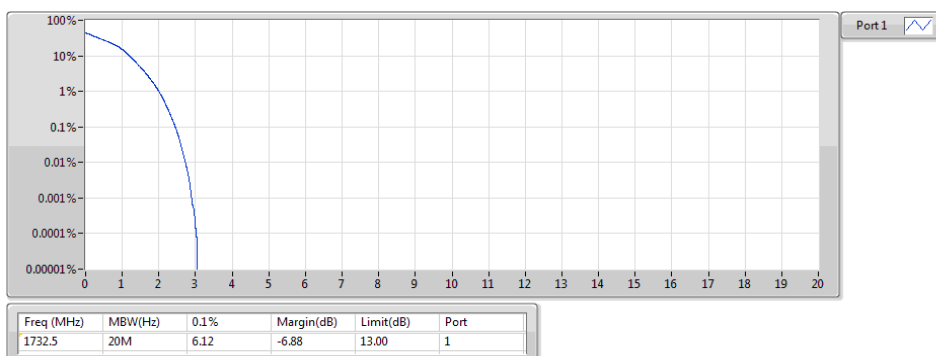
Band 4_LTE_20MHz_Nss1,16QAM_1TX
1720MHz_16QAM_RB 100,#RB 0

PAR



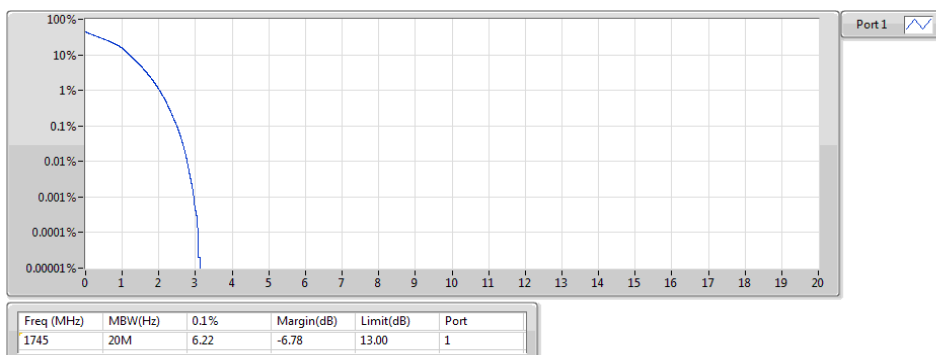
Band 4_LTE_20MHz_Nss1,16QAM_1TX
1732.5MHz_16QAM_RB 100,#RB 0

PAR



Band 4_LTE_20MHz_Nss1,16QAM_1TX
1745MHz_16QAM_RB 100,#RB 0

PAR



Band 4_LTE_1.4MHz_Nss1_1TX				
Temperature (°C)	1710.7MHz		1754.3MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.012	1710.159980	-0.011	1754.839981
T20°CVmin	-0.011	1710.159981	-0.011	1754.839981
T50°CVnom	-0.013	1710.159977	-0.013	1754.839978
T40°CVnom	-0.013	1710.159978	-0.012	1754.839979
T30°CVnom	-0.013	1710.159978	-0.011	1754.839980
T20°CVnom	-0.011	1710.159982	-0.011	1754.839981
T10°CVnom	-0.009	1710.159984	-0.010	1754.839983
T0°CVnom	-0.010	1710.159983	-0.009	1754.839984
T-10°CVnom	-0.009	1710.159984	-0.009	1754.839984
T-20°CVnom	-0.009	1710.159985	-0.009	1754.839985
T-30°CVnom	-0.009	1710.159985	-0.008	1754.839986
Limit		>1710MHz		<1755MHz

Band 4_LTE_3MHz_Nss1_1TX				
Temperature (°C)	1711.5MHz		1732.5MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.013	1710.162977	-0.014	1754.838976
T20°CVmin	-0.013	1710.162978	-0.014	1754.838975
T50°CVnom	-0.015	1710.162975	-0.015	1754.838974
T40°CVnom	-0.015	1710.162975	-0.013	1754.838977
T30°CVnom	-0.014	1710.162976	-0.013	1754.838978
T20°CVnom	-0.013	1710.162977	-0.014	1754.838976
T10°CVnom	-0.013	1710.162978	-0.013	1754.838977
T0°CVnom	-0.011	1710.162981	-0.012	1754.838979
T-10°CVnom	-0.012	1710.162980	-0.011	1754.838981
T-20°CVnom	-0.011	1710.162981	-0.011	1754.838981
T-30°CVnom	-0.011	1710.162982	-0.009	1754.838984
Limit		>1710MHz		<1755MHz

Band 4_LTE_5MHz_Nss1_1TX				
Temperature (°C)	1712.5MHz		1752.5MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.011	1710.265981	-0.011	1754.730980
T20°CVmin	-0.012	1710.265980	-0.012	1754.730979
T50°CVnom	-0.011	1710.265981	-0.013	1754.730978
T40°CVnom	-0.011	1710.265982	-0.013	1754.730977
T30°CVnom	-0.011	1710.265982	-0.012	1754.730979
T20°CVnom	-0.012	1710.265980	-0.010	1754.730982
T10°CVnom	-0.011	1710.265981	-0.009	1754.730984
T0°CVnom	-0.011	1710.265982	-0.009	1754.730985
T-10°CVnom	-0.009	1710.265984	-0.006	1754.730989
T-20°CVnom	-0.009	1710.265985	-0.007	1754.730988
T-30°CVnom	0.000	1710.266000	0.000	1754.731000
Limit		>1710MHz		<1755MHz

Band 4_LTE_10MHz_Nss1_1TX				
Temperature (°C)	1715MHz		1750MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.014	1710.538976	-0.013	1754.463977
T20°CVmin	-0.015	1710.538975	-0.012	1754.463979
T50°CVnom	-0.015	1710.538974	-0.013	1754.463978
T40°CVnom	-0.015	1710.538975	-0.014	1754.463976
T30°CVnom	-0.015	1710.538974	-0.013	1754.463977
T20°CVnom	-0.013	1710.538977	-0.013	1754.463977
T10°CVnom	-0.013	1710.538978	-0.012	1754.463979
T0°CVnom	-0.012	1710.538979	-0.010	1754.463982
T-10°CVnom	-0.012	1710.538980	-0.009	1754.463984
T-20°CVnom	-0.011	1710.538981	-0.009	1754.463985
T-30°CVnom	-0.010	1710.538982	-0.009	1754.463985
Limit		>1710MHz		<1755MHz

Band 4_LTE_15MHz_Nss1_1TX				
Temperature (°C)	1717.5MHz		1747.5MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.010	1710.810983	-0.010	1754.202982
T20°CVmin	-0.009	1710.810984	-0.011	1754.202981
T50°CVnom	-0.011	1710.810981	-0.011	1754.202980
T40°CVnom	-0.010	1710.810982	-0.011	1754.202981
T30°CVnom	-0.010	1710.810983	-0.010	1754.202982
T20°CVnom	-0.009	1710.810984	-0.010	1754.202983
T10°CVnom	-0.010	1710.810982	-0.009	1754.202985
T0°CVnom	-0.008	1710.810986	-0.008	1754.202986
T-10°CVnom	-0.009	1710.810985	-0.009	1754.202984
T-20°CVnom	-0.007	1710.810988	-0.008	1754.202986
T-30°CVnom	-0.008	1710.810987	-0.007	1754.202987
Limit		>1710MHz		<1755MHz

Band 4_LTE_20MHz_Nss1_1TX				
Temperature (°C)	1720MHz		1745MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	-0.012	1711.077979	-0.013	1753.931977
T20°CVmin	-0.013	1711.077978	-0.014	1753.931976
T50°CVnom	-0.015	1711.077975	-0.015	1753.931974
T40°CVnom	-0.013	1711.077977	-0.010	1753.931982
T30°CVnom	-0.012	1711.077979	-0.011	1753.931981
T20°CVnom	-0.011	1711.077981	-0.011	1753.931981
T10°CVnom	-0.010	1711.077982	-0.010	1753.931983
T0°CVnom	-0.011	1711.077981	-0.009	1753.931984
T-10°CVnom	-0.010	1711.077983	-0.009	1753.931984
T-20°CVnom	-0.009	1711.077984	-0.008	1753.931986
T-30°CVnom	-0.009	1711.077984	-0.007	1753.931988
Limit		>1710MHz		<1755MHz