FCC Test Report

FCC ID	:	**2AIHD2046**
Equipment	:	**AG46**
Model No.	:	**010-2046**
Brand Name	:	**Samsara**
Applicant	:	**Samsara Networks Inc.**
Address	:	**444 De Haro Street, San Francisco, CA 94107, U.S.A.**
Standard	:	**47 CFR FCC Part 27**
Received Date	:	**May 08, 2020**
Tested Date	:	**Jun. 04 ~ Jun. 18, 2020**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.
The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

Testing Laboratory 2732

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Release Record

Report No.	Version	Description	Issued Date
FG050802P27	Rev. 01	Initial issue	Jul. 01, 2020
FG050802P27	Rev. 02	Model name changed.	Jul. 07, 2020
FG050802P27	Rev. 03	Model / product name changed.	Jul. 09, 2020

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 27.50(d)(4)	Equivalent Isotropically Radiated Power	Power[dBm]: 24.73	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	**Band 4** Channel Bandwidth: 1.4MHz: 1710.7~1754.3 MHz Channel Bandwidth: 3MHz: 1711.5~1753.5 MHz Channel Bandwidth: 5MHz: 1712.5~1752.5 MHz Channel Bandwidth: 10MHz: 1715~1750 MHz Channel Bandwidth: 15MHz: 1717.5~1747.5 MHz Channel Bandwidth: 20MHz: 1720~1745 MHz
Modulation	QPSK, 16QAM
UE Category	M1

1.1.2 Antenna Details

Ant. No.	Type	Connector	Gain (dBi)	Remark
1	PIFA	No	3.52	---

1.1.3 EUT Operational Condition

Supply Voltage	14.4Vdc from battery (x4)		
Operational Voltage	☒ Tnom (14.4V)	☒ Tmax (14.5V)	☒ Tmin (6V)
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (85°C)	☒ Tmin (-40°C)

1.1.4 Accessories

Accessories		
No.	**Equipment**	**Description**
1	Battery x4	Brand: Fanso Model: ER14505M Rating: 3.6V/2.1Ah

1.1.5 Maximum EIRP and Emission Designator

Mode	Modulation	Maximum EIRP (W)	Emission Designator
Band 4, CB: 1.4MHz	QPSK	0.297	1M08G7D
Band 4, CB: 1.4MHz	16QAM	0.218	908KW7D
Band 4, CB: 3MHz	QPSK	0.277	1M08G7D
Band 4, CB: 3MHz	16QAM	0.209	912KW7D
Band 4, CB: 5MHz	QPSK	0.291	1M09G7D
Band 4, CB: 5MHz	16QAM	0.265	912KW7D
Band 4, CB: 10MHz	QPSK	0.287	1M09G7D
Band 4, CB: 10MHz	16QAM	0.282	929KW7D
Band 4, CB: 15MHz	QPSK	0.284	1M11G7D
Band 4, CB: 15MHz	16QAM	0.272	929KW7D
Band 4, CB: 20MHz	QPSK	0.288	1M11G7D
Band 4, CB: 20MHz	16QAM	0.270	940KW7D

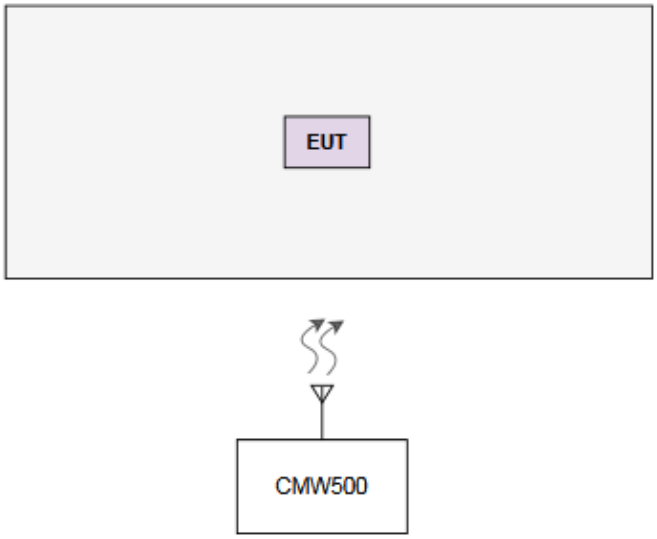
1.1.6 Operating Channel List

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
-	-	-	-	-	---

1.3 Test Setup Chart

Test Setup Diagram


1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Wideband Radio Communication Tester	R&S	CMW500	106070	Feb. 06, 2020	Feb. 05, 2021
Spectrum Analyzer	R&S	FSV40	101498	Dec. 17, 2019	Dec. 16, 2020
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 12, 2019	Jul. 11, 2020
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 12, 2019	Dec. 11, 2020
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2019	Nov. 12, 2020
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 07, 2019	Oct. 06, 2020
Preamplifier	EMC	EMC02325	980225	Jul. 09, 2019	Jul. 08, 2020
Preamplifier	Agilent	83017A	MY39501308	Oct. 08, 2019	Oct. 07, 2020
RF Cable	EMC	EMC104-SM-SM-8000	181106	Oct. 07, 2019	Oct. 06, 2020
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 07, 2019	Oct. 06, 2020
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 07, 2019	Oct. 06, 2020
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 07, 2019	Oct. 06, 2020
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 07, 2019	Oct. 06, 2020
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-002	Oct. 07, 2019	Oct. 06, 2020
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)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101063	Apr. 30, 2020	Apr. 29, 2021
Spectrum Analyzer	R&S	FSV40	101499	Jan. 09, 2020	Jan. 08, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Dec. 12, 2019	Dec. 11, 2020
Power Meter	Anritsu	ML2495A	1241002	Oct. 23, 2019	Oct. 22, 2020
Power Sensor	Anritsu	MA2411B	1207366	Oct. 23, 2019	Oct. 22, 2020
Wideband Radio Communication Tester	R&S	CMW500	106070	Feb. 06, 2020	Feb. 05, 2021
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Oct. 29, 2019	Oct. 28, 2020
Measurement Software	-	SENSE-FCC_2G-4G	V5.10.5	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
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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 ≤ 1GHz	±3.41 dB
Radiated emission > 1GHz	±4.59 dB
Temperature	±0.4 °C

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
RF conducted	TH01-WS	24-26°C / 65-68%	Brad Wu
Radiated Emissions	03CH01-WS	24-26°C / 64-68%	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

Test item	Channel Bandwidth	Modulation	Test channel
E.I.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	1.4 MHz 3 MHz 5 MHz 10 MHz 15 MHz 20 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	19957 / 20175 / 20393 19965 / 20175 / 20385 19975 / 20175 / 20375 20000 / 20175 / 20350 20025 / 20175 / 20325 20050 / 20175 / 20300
Radiated Emission ≤ 1GHz	1.4 MHz 3 MHz 5 MHz 10 MHz 15 MHz 20 MHz	QPSK QPSK QPSK QPSK QPSK QPSK	20393 20385 20375 20350 20325 20300
Radiated Emission > 1GHz	1.4 MHz 3 MHz 5 MHz 10 MHz 15 MHz 20 MHz	QPSK QPSK QPSK QPSK QPSK QPSK	19957 / 20175 / 20393 19965 / 20175 / 20385 19975 / 20175 / 20375 20000 / 20175 / 20350 20025 / 20175 / 20325 20050 / 20175 / 20300
Band Edge	1.4 MHz 3 MHz 5 MHz 10 MHz 15 MHz 20 MHz	QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM	19957 / 20393 19965 / 20385 19975 / 20375 20000 / 20350 20025 / 20325 20050 / 20300
Frequency Stability	1.4 MHz 3 MHz 5 MHz 10 MHz 15 MHz 20 MHz	QPSK QPSK QPSK QPSK QPSK QPSK	19957 / 20393 19965 / 20385 19975 / 20375 20000 / 20350 20025 / 20325 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) stat ions operating in the 1710–1755 MHz band are limited to 1 Watt EIRP.

3.1.2 Test Procedures

For Conducted power measurement:

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

For EIRP measurement:

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

1. EIRP = $P_T + G_T - L_C$

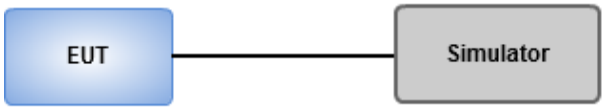
   P_T = transmitter output power, in dBm.

   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.

3.1.3 Test Setup

Conducted Power Measurement



3.1.4 Test Result of Conducted power (dBm)

Band / Channel Bandwidth			Band 4 / CB: 1.4MHz		
Channel			19957	20175	20393
Frequency (MHz)			1710.7	1732.5	1754.3
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	21.12	20.81	**21.21**
	1#5	0	20.92	20.72	21.11
	6#0	0	18.75	18.62	18.72
16QAM	1#0	0	19.72	19.83	19.86
	1#5	0	19.51	19.71	19.64
	5#0	0	18.81	18.81	18.92

Band / Channel Bandwidth			Band 4 / CB: 3MHz		
Channel			19965	20175	20385
Frequency (MHz)			1711.5	1732.5	1753.5
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	20.84	20.90	**20.91**
	1#0	1	20.81	20.78	20.85
	1#5	0	20.65	20.75	20.71
	1#5	1	20.63	20.74	20.68
	3#0	0	19.81	19.81	19.93
	3#3	1	19.69	19.64	19.78
	6#0	0	18.79	18.71	18.95
	6#0	1	18.78	18.68	18.93
16QAM	1#0	0	19.48	19.68	19.56
	1#0	1	19.47	19.65	19.45
	1#5	0	19.26	19.59	19.24
	1#5	1	19.17	19.57	19.22
	3#0	0	19.08	18.83	19.03
	3#3	1	18.88	18.69	18.89
	5#0	0	19.02	18.76	18.99
	5#0	1	18.95	18.77	18.96

Band / Channel Bandwidth			Band 4 / CB: 5MHz		
Channel			19975	20175	20375
Frequency (MHz)			1712.5	1732.5	1752.5
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	21.01	20.92	**21.12**
	1#0	1	21.00	20.90	21.04
	1#5	1	20.87	20.71	20.92
	1#5	3	20.86	20.68	20.77
	3#0	0	20.78	20.69	20.94
	3#3	3	20.66	20.67	20.76
	6#0	0	19.69	19.72	19.75
	6#0	3	19.68	19.66	19.74
16QAM	1#0	0	20.57	20.71	20.46
	1#0	1	20.55	20.68	20.45
	1#5	1	20.14	20.38	20.34
	1#5	3	20.05	20.35	20.31
	3#0	0	20.41	20.70	20.45
	3#3	3	20.54	20.67	20.43
	5#0	0	19.56	19.64	19.72
	5#0	3	19.53	19.61	19.71

Band / Channel Bandwidth			Band 4 / CB: 10MHz		
Channel			20000	20175	20350
Frequency (MHz)			1715	1732.5	1750
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	21.02	20.93	**21.06**
	1#0	3	21.01	20.91	20.89
	1#5	3	20.84	20.69	20.82
	1#5	7	20.83	20.71	20.76
	3#0	0	20.76	20.91	20.90
	3#3	7	20.61	20.71	20.83
	6#0	0	19.78	19.72	19.77
	6#0	7	19.68	19.64	19.81
16QAM	1#0	0	20.64	20.91	20.98
	1#0	3	20.58	20.88	20.79
	1#5	3	20.04	20.53	20.27
	1#5	7	20.06	20.52	20.24
	3#0	0	20.52	20.63	20.73
	3#3	7	20.51	20.69	20.74
	5#0	0	20.33	20.84	20.54
	5#0	7	20.23	20.78	20.48

Band / Channel Bandwidth			Band 4 / CB: 15MHz		
Channel			20025	20175	20325
Frequency (MHz)			1717.5	1732.5	1747.5
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	20.97	20.98	**21.02**
	1#0	5	20.94	20.94	21.00
	1#5	5	20.83	20.76	20.96
	1#5	11	20.71	20.79	20.86
	3#0	0	21.01	20.91	20.87
	3#3	11	20.77	20.68	20.75
	6#0	0	20.87	20.85	20.83
	6#0	11	20.86	20.77	20.84
16QAM	1#0	0	20.82	20.69	20.74
	1#0	5	20.66	20.52	20.56
	1#5	5	20.11	20.15	20.29
	1#5	11	20.05	20.12	20.25
	3#0	0	20.75	20.67	20.67
	3#3	11	20.67	20.57	20.63
	5#0	0	20.20	20.36	20.38
	5#0	11	20.23	20.25	20.43

Band / Channel Bandwidth			Band 4 / CB: 20MHz		
Channel			20050	20175	20300
Frequency (MHz)			1720	1732.5	1745
Mode	RB size# RB start	RB Index	Maximum AV Power (dBm)		
QPSK	1#0	0	21.06	20.94	**21.07**
	1#0	7	21.03	20.92	20.86
	1#5	7	20.82	20.76	20.89
	1#5	15	20.70	20.78	20.89
	3#0	0	20.93	20.92	20.85
	3#3	15	20.77	20.67	20.91
	6#0	0	20.91	20.92	20.82
	6#0	15	20.81	20.77	20.87
16QAM	1#0	0	20.65	20.76	20.79
	1#0	7	20.61	20.63	20.63
	1#5	7	20.08	20.12	20.25
	1#5	15	20.07	20.08	20.33
	3#0	0	20.62	20.72	20.76
	3#3	15	20.63	20.55	20.64
	5#0	0	20.32	20.31	20.56
	5#0	15	20.28	20.32	20.53

3.1.5 Test Result of Equivalent Isotropically Radiated Power (dBm)

Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 4	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	21.21	0.132	24.73	0.297
LTE-M1_1.4MHz_Nss1,16QAM_1TX	19.86	0.097	23.38	0.218
LTE-M1_3MHz_Nss1,QPSK_1TX	20.91	0.123	24.43	0.277
LTE-M1_3MHz_Nss1,16QAM_1TX	19.68	0.093	23.20	0.209
LTE-M1_5MHz_Nss1,QPSK_1TX	21.12	0.129	24.64	0.291
LTE-M1_5MHz_Nss1,16QAM_1TX	20.71	0.118	24.23	0.265
LTE-M1_10MHz_Nss1,QPSK_1TX	21.06	0.128	24.58	0.287
LTE-M1_10MHz_Nss1,16QAM_1TX	20.98	0.125	24.50	0.282
LTE-M1_15MHz_Nss1,QPSK_1TX	21.02	0.126	24.54	0.284
LTE-M1_15MHz_Nss1,16QAM_1TX	20.82	0.121	24.34	0.272
LTE-M1_20MHz_Nss1,QPSK_1TX	21.07	0.128	24.59	0.288
LTE-M1_20MHz_Nss1,16QAM_1TX	20.79	0.120	24.31	0.270

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-M1_1.4MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1710.7MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.64	0.29107	1	21.12	0.129	Inf	21.12
1710.7MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1710.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.27	0.16866	1	18.75	0.075	Inf	18.75
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.33	0.27102	1	20.81	0.121	Inf	20.81
1732.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.24	0.26546	1	20.72	0.118	Inf	20.72
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.14	0.16368	1	18.62	0.073	Inf	18.62
1754.3MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.73	0.29717	1	21.21	0.132	Inf	21.21
1754.3MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.63	0.29040	1	21.11	0.129	Inf	21.11
1754.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.24	0.16749	1	18.72	0.074	Inf	18.72
1710.7MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.24	0.21086	1	19.72	0.094	Inf	19.72
1710.7MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	23.03	0.20091	1	19.51	0.089	Inf	19.51
1710.7MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.33	0.17100	1	18.81	0.076	Inf	18.81
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.35	0.21627	1	19.83	0.096	Inf	19.83
1732.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	23.23	0.21038	1	19.71	0.094	Inf	19.71
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.33	0.17100	1	18.81	0.076	Inf	18.81
1754.3MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.38	0.21777	1	19.86	0.097	Inf	19.86
1754.3MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	23.16	0.20701	1	19.64	0.092	Inf	19.64
1754.3MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.44	0.17539	1	18.92	0.078	Inf	18.92
Band 4_LTE-M1_3MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1711.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.36	0.27290	1	20.84	0.121	Inf	20.84
1711.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.33	0.27102	1	20.81	0.121	Inf	20.81
1711.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.17	0.26122	1	20.65	0.116	Inf	20.65
1711.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1711.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	23.33	0.21528	1	19.81	0.096	Inf	19.81
1711.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	3.52	23.21	0.20941	1	19.69	0.093	Inf	19.69
1711.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.31	0.17022	1	18.79	0.076	Inf	18.79
1711.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	3.52	22.30	0.16982	1	18.78	0.076	Inf	18.78
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.42	0.27669	1	20.90	0.123	Inf	20.9
1732.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.30	0.26915	1	20.78	0.120	Inf	20.78
1732.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.27	0.26730	1	20.75	0.119	Inf	20.75
1732.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.26	0.26669	1	20.74	0.119	Inf	20.74
1732.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	23.33	0.21528	1	19.81	0.096	Inf	19.81
1732.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	3.52	23.16	0.20701	1	19.64	0.092	Inf	19.64
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.23	0.16711	1	18.71	0.074	Inf	18.71
1732.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	3.52	22.20	0.16596	1	18.68	0.074	Inf	18.68
1753.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1753.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.37	0.27353	1	20.85	0.122	Inf	20.85
1753.5MHz_QPSK_RB 1,#RB 5,NB 0	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1753.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.20	0.26303	1	20.68	0.117	Inf	20.68
1753.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	23.45	0.22131	1	19.93	0.098	Inf	19.93
1753.5MHz_QPSK_RB 3,#RB 3,NB 1	Pass	3.52	23.30	0.21380	1	19.78	0.095	Inf	19.78
1753.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	22.47	0.17660	1	18.95	0.079	Inf	18.95
1753.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	3.52	22.45	0.17579	1	18.93	0.078	Inf	18.93
1711.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.00	0.19953	1	19.48	0.089	Inf	19.48
1711.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	22.99	0.19907	1	19.47	0.089	Inf	19.47
1711.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	22.78	0.18967	1	19.26	0.084	Inf	19.26
1711.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	22.69	0.18578	1	19.17	0.083	Inf	19.17
1711.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	22.60	0.18197	1	19.08	0.081	Inf	19.08
1711.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	3.52	21.60	0.14454	1	18.08	0.064	Inf	18.08
1711.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.54	0.17947	1	19.02	0.080	Inf	19.02
1711.5MHz_16QAM_RB 5,#RB 0,NB 1	Pass	3.52	22.47	0.17660	1	18.95	0.079	Inf	18.95
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.20	0.20893	1	19.68	0.093	Inf	19.68
1732.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	23.17	0.20749	1	19.65	0.092	Inf	19.65
1732.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	23.11	0.20464	1	19.59	0.091	Inf	19.59
1732.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	23.09	0.20370	1	19.57	0.091	Inf	19.57
1732.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	22.35	0.17179	1	18.83	0.076	Inf	18.83
1732.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	3.52	22.21	0.16634	1	18.69	0.074	Inf	18.69
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.28	0.16904	1	18.76	0.075	Inf	18.76
1732.5MHz_16QAM_RB 5,#RB 0,NB 1	Pass	3.52	22.29	0.16943	1	18.77	0.075	Inf	18.77
1753.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.08	0.20324	1	19.56	0.090	Inf	19.56
1753.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	22.97	0.19815	1	19.45	0.088	Inf	19.45
1753.5MHz_16QAM_RB 1,#RB 5,NB 0	Pass	3.52	22.76	0.18880	1	19.24	0.084	Inf	19.24
1753.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	22.74	0.18793	1	19.22	0.084	Inf	19.22
1753.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	22.55	0.17989	1	19.03	0.080	Inf	19.03
1753.5MHz_16QAM_RB 3,#RB 3,NB 1	Pass	3.52	22.41	0.17418	1	18.89	0.077	Inf	18.89
1753.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	22.51	0.17824	1	18.99	0.079	Inf	18.99
1753.5MHz_16QAM_RB 5,#RB 0,NB 1	Pass	3.52	22.48	0.17701	1	18.96	0.079	Inf	18.96
Band 4_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1712.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.53	0.28379	1	21.01	0.126	Inf	21.01
1712.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.52	0.28314	1	21.00	0.126	Inf	21
1712.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.39	0.27479	1	20.87	0.122	Inf	20.87
1712.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.38	0.27416	1	20.86	0.122	Inf	20.86
1712.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.30	0.26915	1	20.78	0.120	Inf	20.78
1712.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	3.52	24.18	0.26182	1	20.66	0.116	Inf	20.66

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1712.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.21	0.20941	1	19.69	0.093	Inf	19.69
1712.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	3.52	23.20	0.20893	1	19.68	0.093	Inf	19.68
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1732.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.42	0.27669	1	20.90	0.123	Inf	20.9
1732.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1732.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.20	0.26303	1	20.68	0.117	Inf	20.68
1732.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.21	0.26363	1	20.69	0.117	Inf	20.69
1732.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.24	0.21086	1	19.72	0.094	Inf	19.72
1732.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	3.52	23.18	0.20797	1	19.66	0.092	Inf	19.66
1752.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.64	0.29107	1	21.12	0.129	Inf	21.12
1752.5MHz_QPSK_RB 1,#RB 0,NB 1	Pass	3.52	24.56	0.28576	1	21.04	0.127	Inf	21.04
1752.5MHz_QPSK_RB 1,#RB 5,NB 1	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1752.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.29	0.26853	1	20.77	0.119	Inf	20.77
1752.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.46	0.27925	1	20.94	0.124	Inf	20.94
1752.5MHz_QPSK_RB 3,#RB 3,NB 3	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1752.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.27	0.21232	1	19.75	0.094	Inf	19.75
1752.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	3.52	23.26	0.21184	1	19.74	0.094	Inf	19.74
1712.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.09	0.25645	1	20.57	0.114	Inf	20.57
1712.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	24.07	0.25527	1	20.55	0.114	Inf	20.55
1712.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	23.66	0.23227	1	20.14	0.103	Inf	20.14
1712.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	23.57	0.22751	1	20.05	0.101	Inf	20.05
1712.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	23.93	0.24717	1	20.41	0.110	Inf	20.41
1712.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	3.52	24.06	0.25468	1	20.54	0.113	Inf	20.54
1712.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.08	0.20324	1	19.56	0.090	Inf	19.56
1712.5MHz_16QAM_RB 5,#RB 0,NB 3	Pass	3.52	23.05	0.20184	1	19.53	0.090	Inf	19.53
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1732.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	24.20	0.26303	1	20.68	0.117	Inf	20.68
1732.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	23.90	0.24547	1	20.38	0.109	Inf	20.38
1732.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	23.87	0.24378	1	20.35	0.108	Inf	20.35
1732.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.22	0.26424	1	20.70	0.117	Inf	20.7
1732.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.16	0.20701	1	19.64	0.092	Inf	19.64
1732.5MHz_16QAM_RB 5,#RB 0,NB 3	Pass	3.52	23.13	0.20559	1	19.61	0.091	Inf	19.61
1752.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	23.98	0.25003	1	20.46	0.111	Inf	20.46
1752.5MHz_16QAM_RB 1,#RB 0,NB 1	Pass	3.52	23.97	0.24946	1	20.45	0.111	Inf	20.45
1752.5MHz_16QAM_RB 1,#RB 5,NB 1	Pass	3.52	23.86	0.24322	1	20.34	0.108	Inf	20.34
1752.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	23.83	0.24155	1	20.31	0.107	Inf	20.31

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1752.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	23.97	0.24946	1	20.45	0.111	Inf	20.45
1752.5MHz_16QAM_RB 3,#RB 3,NB 3	Pass	3.52	23.95	0.24831	1	20.43	0.110	Inf	20.43
1752.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.24	0.21086	1	19.72	0.094	Inf	19.72
1752.5MHz_16QAM_RB 5,#RB 0,NB 3	Pass	3.52	23.23	0.21038	1	19.71	0.094	Inf	19.71
Band 4_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1715MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.54	0.28445	1	21.02	0.126	Inf	21.02
1715MHz_QPSK_RB 1,#RB 0,NB 3	Pass	3.52	24.53	0.28379	1	21.01	0.126	Inf	21.01
1715MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.36	0.27290	1	20.84	0.121	Inf	20.84
1715MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.35	0.27227	1	20.83	0.121	Inf	20.83
1715MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1715MHz_QPSK_RB 3,#RB 3,NB 7	Pass	3.52	24.13	0.25882	1	20.61	0.115	Inf	20.61
1715MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.30	0.21380	1	19.78	0.095	Inf	19.78
1715MHz_QPSK_RB 6,#RB 0,NB 7	Pass	3.52	23.20	0.20893	1	19.68	0.093	Inf	19.68
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.45	0.27861	1	20.93	0.124	Inf	20.93
1732.5MHz_QPSK_RB 1,#RB 0,NB 3	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91
1732.5MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.21	0.26363	1	20.69	0.117	Inf	20.69
1732.5MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1732.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91
1732.5MHz_QPSK_RB 3,#RB 3,NB 7	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.24	0.21086	1	19.72	0.094	Inf	19.72
1732.5MHz_QPSK_RB 6,#RB 0,NB 7	Pass	3.52	23.16	0.20701	1	19.64	0.092	Inf	19.64
1750MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.58	0.28708	1	21.06	0.128	Inf	21.06
1750MHz_QPSK_RB 1,#RB 0,NB 3	Pass	3.52	24.41	0.27606	1	20.89	0.123	Inf	20.89
1750MHz_QPSK_RB 1,#RB 5,NB 3	Pass	3.52	24.34	0.27164	1	20.82	0.121	Inf	20.82
1750MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1750MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.42	0.27669	1	20.90	0.123	Inf	20.9
1750MHz_QPSK_RB 3,#RB 3,NB 7	Pass	3.52	24.35	0.27227	1	20.83	0.121	Inf	20.83
1750MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	23.29	0.21330	1	19.77	0.095	Inf	19.77
1750MHz_QPSK_RB 6,#RB 0,NB 7	Pass	3.52	23.33	0.21528	1	19.81	0.096	Inf	19.81
1715MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.16	0.26062	1	20.64	0.116	Inf	20.64
1715MHz_16QAM_RB 1,#RB 0,NB 3	Pass	3.52	24.10	0.25704	1	20.58	0.114	Inf	20.58
1715MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	23.56	0.22699	1	20.04	0.101	Inf	20.04
1715MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	23.58	0.22803	1	20.06	0.101	Inf	20.06
1715MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.04	0.25351	1	20.52	0.113	Inf	20.52
1715MHz_16QAM_RB 3,#RB 3,NB 7	Pass	3.52	24.03	0.25293	1	20.51	0.112	Inf	20.51
1715MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.85	0.24266	1	20.33	0.108	Inf	20.33
1715MHz_16QAM_RB 5,#RB 0,NB 7	Pass	3.52	23.75	0.23714	1	20.23	0.105	Inf	20.23
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91

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,NB 3	Pass	3.52	24.40	0.27542	1	20.88	0.122	Inf	20.88
1732.5MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	24.05	0.25410	1	20.53	0.113	Inf	20.53
1732.5MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	24.04	0.25351	1	20.52	0.113	Inf	20.52
1732.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1732.5MHz_16QAM_RB 3,#RB 3,NB 7	Pass	3.52	24.21	0.26363	1	20.69	0.117	Inf	20.69
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	24.36	0.27290	1	20.84	0.121	Inf	20.84
1732.5MHz_16QAM_RB 5,#RB 0,NB 7	Pass	3.52	24.30	0.26915	1	20.78	0.120	Inf	20.78
1750MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.50	0.28184	1	20.98	0.125	Inf	20.98
1750MHz_16QAM_RB 1,#RB 0,NB 3	Pass	3.52	24.31	0.26977	1	20.79	0.120	Inf	20.79
1750MHz_16QAM_RB 1,#RB 5,NB 3	Pass	3.52	23.79	0.23933	1	20.27	0.106	Inf	20.27
1750MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	23.76	0.23768	1	20.24	0.106	Inf	20.24
1750MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.25	0.26607	1	20.73	0.118	Inf	20.73
1750MHz_16QAM_RB 3,#RB 3,NB 7	Pass	3.52	24.26	0.26669	1	20.74	0.119	Inf	20.74
1750MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	24.06	0.25468	1	20.54	0.113	Inf	20.54
1750MHz_16QAM_RB 5,#RB 0,NB 7	Pass	3.52	24.00	0.25119	1	20.48	0.112	Inf	20.48
Band 4_LTE-M1_15MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1717.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.49	0.28119	1	20.97	0.125	Inf	20.97
1717.5MHz_QPSK_RB 1,#RB 0,NB 5	Pass	3.52	24.46	0.27925	1	20.94	0.124	Inf	20.94
1717.5MHz_QPSK_RB 1,#RB 5,NB 5	Pass	3.52	24.35	0.27227	1	20.83	0.121	Inf	20.83
1717.5MHz_QPSK_RB 1,#RB 5,NB 11	Pass	3.52	24.23	0.26485	1	20.71	0.118	Inf	20.71
1717.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.53	0.28379	1	21.01	0.126	Inf	21.01
1717.5MHz_QPSK_RB 3,#RB 3,NB 11	Pass	3.52	24.29	0.26853	1	20.77	0.119	Inf	20.77
1717.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.39	0.27479	1	20.87	0.122	Inf	20.87
1717.5MHz_QPSK_RB 6,#RB 0,NB 11	Pass	3.52	24.38	0.27416	1	20.86	0.122	Inf	20.86
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.50	0.28184	1	20.98	0.125	Inf	20.98
1732.5MHz_QPSK_RB 1,#RB 0,NB 5	Pass	3.52	24.46	0.27925	1	20.94	0.124	Inf	20.94
1732.5MHz_QPSK_RB 1,#RB 5,NB 5	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1732.5MHz_QPSK_RB 1,#RB 5,NB 11	Pass	3.52	24.31	0.26977	1	20.79	0.120	Inf	20.79
1732.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91
1732.5MHz_QPSK_RB 3,#RB 3,NB 11	Pass	3.52	24.20	0.26303	1	20.68	0.117	Inf	20.68
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.37	0.27353	1	20.85	0.122	Inf	20.85
1732.5MHz_QPSK_RB 6,#RB 0,NB 11	Pass	3.52	24.29	0.26853	1	20.77	0.119	Inf	20.77
1747.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.54	0.28445	1	21.02	0.126	Inf	21.02
1747.5MHz_QPSK_RB 1,#RB 0,NB 5	Pass	3.52	24.52	0.28314	1	21.00	0.126	Inf	21
1747.5MHz_QPSK_RB 1,#RB 5,NB 5	Pass	3.52	24.48	0.28054	1	20.96	0.125	Inf	20.96
1747.5MHz_QPSK_RB 1,#RB 5,NB 11	Pass	3.52	24.38	0.27416	1	20.86	0.122	Inf	20.86
1747.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.39	0.27479	1	20.87	0.122	Inf	20.87
1747.5MHz_QPSK_RB 3,#RB 3,NB 11	Pass	3.52	24.27	0.26730	1	20.75	0.119	Inf	20.75

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
1747.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.35	0.27227	1	20.83	0.121	Inf	20.83
1747.5MHz_QPSK_RB 6,#RB 0,NB 11	Pass	3.52	24.36	0.27290	1	20.84	0.121	Inf	20.84
1717.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.34	0.27164	1	20.82	0.121	Inf	20.82
1717.5MHz_16QAM_RB 1,#RB 0,NB 5	Pass	3.52	24.18	0.26182	1	20.66	0.116	Inf	20.66
1717.5MHz_16QAM_RB 1,#RB 5,NB 5	Pass	3.52	23.63	0.23067	1	20.11	0.103	Inf	20.11
1717.5MHz_16QAM_RB 1,#RB 5,NB 11	Pass	3.52	23.57	0.22751	1	20.05	0.101	Inf	20.05
1717.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.27	0.26730	1	20.75	0.119	Inf	20.75
1717.5MHz_16QAM_RB 3,#RB 3,NB 11	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1717.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.72	0.23550	1	20.20	0.105	Inf	20.2
1717.5MHz_16QAM_RB 5,#RB 0,NB 11	Pass	3.52	23.75	0.23714	1	20.23	0.105	Inf	20.23
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.21	0.26363	1	20.69	0.117	Inf	20.69
1732.5MHz_16QAM_RB 1,#RB 0,NB 5	Pass	3.52	24.04	0.25351	1	20.52	0.113	Inf	20.52
1732.5MHz_16QAM_RB 1,#RB 5,NB 5	Pass	3.52	23.67	0.23281	1	20.15	0.104	Inf	20.15
1732.5MHz_16QAM_RB 1,#RB 5,NB 11	Pass	3.52	23.64	0.23121	1	20.12	0.103	Inf	20.12
1732.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1732.5MHz_16QAM_RB 3,#RB 3,NB 11	Pass	3.52	24.09	0.25645	1	20.57	0.114	Inf	20.57
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.88	0.24434	1	20.36	0.109	Inf	20.36
1732.5MHz_16QAM_RB 5,#RB 0,NB 11	Pass	3.52	23.77	0.23823	1	20.25	0.106	Inf	20.25
1747.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.26	0.26669	1	20.74	0.119	Inf	20.74
1747.5MHz_16QAM_RB 1,#RB 0,NB 5	Pass	3.52	24.08	0.25586	1	20.56	0.114	Inf	20.56
1747.5MHz_16QAM_RB 1,#RB 5,NB 5	Pass	3.52	23.81	0.24044	1	20.29	0.107	Inf	20.29
1747.5MHz_16QAM_RB 1,#RB 5,NB 11	Pass	3.52	23.77	0.23823	1	20.25	0.106	Inf	20.25
1747.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1747.5MHz_16QAM_RB 3,#RB 3,NB 11	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1747.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.90	0.24547	1	20.38	0.109	Inf	20.38
1747.5MHz_16QAM_RB 5,#RB 0,NB 11	Pass	3.52	23.95	0.24831	1	20.43	0.110	Inf	20.43
Band 4_LTE-M1_20MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-
1720MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.58	0.28708	1	21.06	0.128	Inf	21.06
1720MHz_QPSK_RB 1,#RB 0,NB 7	Pass	3.52	24.55	0.28510	1	21.03	0.127	Inf	21.03
1720MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.34	0.27164	1	20.82	0.121	Inf	20.82
1720MHz_QPSK_RB 1,#RB 5,NB 15	Pass	3.52	24.22	0.26424	1	20.70	0.117	Inf	20.7
1720MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.45	0.27861	1	20.93	0.124	Inf	20.93
1720MHz_QPSK_RB 3,#RB 3,NB 15	Pass	3.52	24.29	0.26853	1	20.77	0.119	Inf	20.77
1720MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91
1720MHz_QPSK_RB 6,#RB 0,NB 15	Pass	3.52	24.33	0.27102	1	20.81	0.121	Inf	20.81
1732.5MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.46	0.27925	1	20.94	0.124	Inf	20.94
1732.5MHz_QPSK_RB 1,#RB 0,NB 7	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1732.5MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76

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 5,NB 15	Pass	3.52	24.30	0.26915	1	20.78	0.120	Inf	20.78
1732.5MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1732.5MHz_QPSK_RB 3,#RB 3,NB 15	Pass	3.52	24.19	0.26242	1	20.67	0.117	Inf	20.67
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.44	0.27797	1	20.92	0.124	Inf	20.92
1732.5MHz_QPSK_RB 6,#RB 0,NB 15	Pass	3.52	24.29	0.26853	1	20.77	0.119	Inf	20.77
1745MHz_QPSK_RB 1,#RB 0,NB 0	Pass	3.52	24.59	0.28774	1	21.07	0.128	Inf	21.07
1745MHz_QPSK_RB 1,#RB 0,NB 7	Pass	3.52	24.38	0.27416	1	20.86	0.122	Inf	20.86
1745MHz_QPSK_RB 1,#RB 5,NB 7	Pass	3.52	24.41	0.27606	1	20.89	0.123	Inf	20.89
1745MHz_QPSK_RB 1,#RB 5,NB 15	Pass	3.52	24.41	0.27606	1	20.89	0.123	Inf	20.89
1745MHz_QPSK_RB 3,#RB 0,NB 0	Pass	3.52	24.37	0.27353	1	20.85	0.122	Inf	20.85
1745MHz_QPSK_RB 3,#RB 3,NB 15	Pass	3.52	24.43	0.27733	1	20.91	0.123	Inf	20.91
1745MHz_QPSK_RB 6,#RB 0,NB 0	Pass	3.52	24.34	0.27164	1	20.82	0.121	Inf	20.82
1745MHz_QPSK_RB 6,#RB 0,NB 15	Pass	3.52	24.39	0.27479	1	20.87	0.122	Inf	20.87
1720MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.17	0.26122	1	20.65	0.116	Inf	20.65
1720MHz_16QAM_RB 1,#RB 0,NB 7	Pass	3.52	24.13	0.25882	1	20.61	0.115	Inf	20.61
1720MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	23.60	0.22909	1	20.08	0.102	Inf	20.08
1720MHz_16QAM_RB 1,#RB 5,NB 15	Pass	3.52	23.59	0.22856	1	20.07	0.102	Inf	20.07
1720MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.14	0.25942	1	20.62	0.115	Inf	20.62
1720MHz_16QAM_RB 3,#RB 3,NB 15	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1720MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.84	0.24210	1	20.32	0.108	Inf	20.32
1720MHz_16QAM_RB 5,#RB 0,NB 15	Pass	3.52	23.80	0.23988	1	20.28	0.107	Inf	20.28
1732.5MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1732.5MHz_16QAM_RB 1,#RB 0,NB 7	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1732.5MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	23.64	0.23121	1	20.12	0.103	Inf	20.12
1732.5MHz_16QAM_RB 1,#RB 5,NB 15	Pass	3.52	23.60	0.22909	1	20.08	0.102	Inf	20.08
1732.5MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.24	0.26546	1	20.72	0.118	Inf	20.72
1732.5MHz_16QAM_RB 3,#RB 3,NB 15	Pass	3.52	24.07	0.25527	1	20.55	0.114	Inf	20.55
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	23.83	0.24155	1	20.31	0.107	Inf	20.31
1732.5MHz_16QAM_RB 5,#RB 0,NB 15	Pass	3.52	23.84	0.24210	1	20.32	0.108	Inf	20.32
1745MHz_16QAM_RB 1,#RB 0,NB 0	Pass	3.52	24.31	0.26977	1	20.79	0.120	Inf	20.79
1745MHz_16QAM_RB 1,#RB 0,NB 7	Pass	3.52	24.15	0.26002	1	20.63	0.116	Inf	20.63
1745MHz_16QAM_RB 1,#RB 5,NB 7	Pass	3.52	23.77	0.23823	1	20.25	0.106	Inf	20.25
1745MHz_16QAM_RB 1,#RB 5,NB 15	Pass	3.52	23.85	0.24266	1	20.33	0.108	Inf	20.33
1745MHz_16QAM_RB 3,#RB 0,NB 0	Pass	3.52	24.28	0.26792	1	20.76	0.119	Inf	20.76
1745MHz_16QAM_RB 3,#RB 3,NB 15	Pass	3.52	24.16	0.26062	1	20.64	0.116	Inf	20.64
1745MHz_16QAM_RB 5,#RB 0,NB 0	Pass	3.52	24.08	0.25586	1	20.56	0.114	Inf	20.56
1745MHz_16QAM_RB 5,#RB 0,NB 15	Pass	3.52	24.05	0.25410	1	20.53	0.113	Inf	20.53

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

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

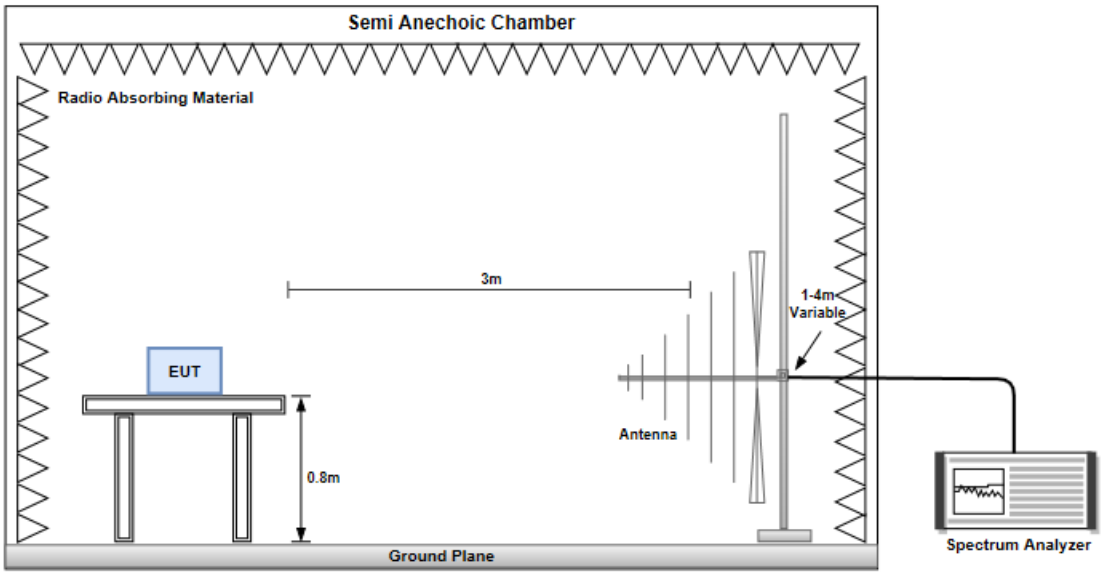
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB equal to -13 dBm.

3.2.2 Test Procedures

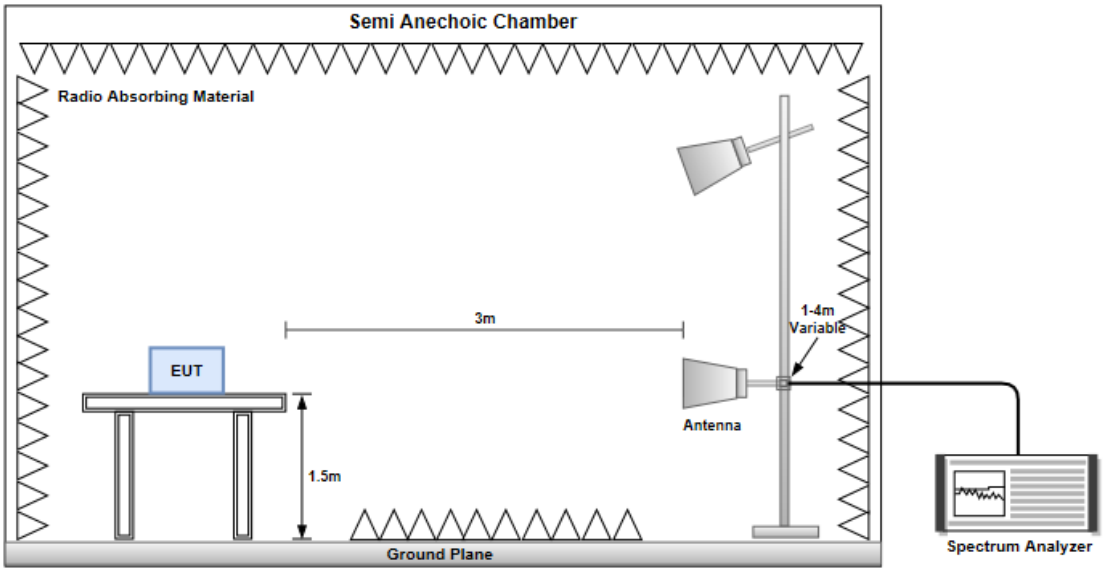
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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 ofpolarization. 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 and4 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 below 1GHz

Mode	LTE Band 4, QPSK, CB:1.4 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
37.76	H	-69.87	-13.00	-56.87	-76.73	-51.99	-17.88
90.14	H	-66.00	-13.00	-53.00	-63.93	-61.09	-4.91
101.78	H	-71.91	-13.00	-58.91	-70.08	-66.80	-5.11
120.21	H	-76.21	-13.00	-63.21	-73.32	-70.14	-6.07
388.90	H	-73.28	-13.00	-60.28	-75.58	-72.08	-1.20
475.23	H	-72.43	-13.00	-59.43	-75.78	-71.14	-1.29
79.47	V	-71.89	-13.00	-58.89	-71.30	-64.47	-7.42
90.14	V	-66.03	-13.00	-53.03	-63.71	-61.12	-4.91
101.78	V	-71.00	-13.00	-58.00	69.21	-65.89	-5.11
159.01	V	-73.66	-13.00	-60.66	-76.00	-67.37	-6.29
367.56	V	-73.48	-13.00	-60.48	-75.89	-72.34	-1.14
489.78	V	-71.88	-13.00	-58.88	-76.33	-70.61	-1.27

Mode	LTE Band 4, QPSK, CB:3 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
38.24	H	-69.45	-13.00	-56.45	-76.26	-51.63	-17.82
90.56	H	-65.44	-13.00	-52.44	-63.38	-60.52	-4.92
101.95	H	-72.35	-13.00	-59.35	-70.51	-67.23	-5.12
120.58	H	-76.69	-13.00	-63.69	-73.85	-70.61	-6.08
388.86	H	-72.58	-13.00	-59.58	-74.88	-71.38	-1.20
475.46	H	-72.05	-13.00	-59.05	-75.40	-70.76	-1.29
79.84	V	-72.14	-13.00	-59.14	-71.63	-64.84	-7.30
90.58	V	-66.42	-13.00	-53.42	-64.08	-61.50	-4.92
101.24	V	-71.52	-13.00	-58.52	-69.67	-66.44	-5.08
159.26	V	-73.45	-13.00	-60.45	-75.81	-67.16	-6.29
367.14	V	-73.22	-13.00	-60.22	-75.63	-72.08	-1.14
489.84	V	-71.96	-13.00	-58.96	-76.41	-70.69	-1.27

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

Mode	LTE Band 4, QPSK, CB:5 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
37.92	H	-70.26	-13.00	-57.26	-77.10	-52.40	-17.86
90.56	H	-65.38	-13.00	-52.38	-63.32	-60.46	-4.92
101.29	H	-71.64	-13.00	-58.64	-69.84	-66.55	-5.09
120.28	H	-76.94	-13.00	-63.94	-74.06	-70.87	-6.07
388.42	H	-73.55	-13.00	-60.55	-75.85	-72.35	-1.20
475.86	H	-72.94	-13.00	-59.94	-76.29	-71.65	-1.29
80.25	V	-70.96	-13.00	-57.96	-70.39	-63.77	-7.19
90.14	V	-65.18	-13.00	-52.18	-62.86	-60.27	-4.91
102.24	V	-70.69	-13.00	-57.69	-68.95	-65.55	-5.14
158.25	V	-73.26	-13.00	-60.26	-75.57	-66.95	-6.31
367.04	V	-73.11	-13.00	-60.11	-75.52	-71.97	-1.14
489.84	V	-71.95	-13.00	-58.95	-76.40	-70.68	-1.27

Mode	LTE Band 4, QPSK, CB:10 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
37.44	H	-69.65	-13.00	-56.65	-76.55	-51.73	-17.92
89.95	H	-65.34	-13.00	-52.34	-63.25	-60.42	-4.92
101.68	H	-71.84	-13.00	-58.84	-70.01	-66.73	-5.11
121.48	H	-76.98	-13.00	-63.98	-74.24	-70.87	-6.11
388.90	H	-73.74	-13.00	-60.74	-76.04	-72.54	-1.20
475.44	H	-72.08	-13.00	-59.08	-75.43	-70.79	-1.29
79.23	V	-71.55	-13.00	-58.55	-70.92	-64.05	-7.50
90.39	V	-66.48	-13.00	-53.48	-64.14	-61.57	-4.91
101.78	V	-70.44	-13.00	-57.44	-68.65	-65.33	-5.11
158.74	V	-73.58	-13.00	-60.58	-75.91	-67.28	-6.30
368.49	V	-73.22	-13.00	-60.22	-75.64	-72.08	-1.14
490.49	V	-72.08	-13.00	-59.08	-76.55	-70.81	-1.27

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

Mode	LTE Band 4, QPSK, CB:15 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
38.85	H	-70.54	-13.00	-57.54	-77.28	-52.80	-17.74
90.89	H	-65.94	-13.00	-52.94	-63.90	-51.02	-14.92
100.84	H	-71.45	-13.00	-58.45	-69.67	-66.39	-5.06
120.36	H	-76.37	-13.00	-63.37	-73.50	-70.30	-6.07
389.67	H	-73.91	-13.00	-60.91	-76.22	-72.71	-1.20
476.64	H	-72.55	-13.00	-59.55	-75.91	-71.26	-1.29
79.59	V	-71.52	-13.00	-58.52	-70.95	-64.14	-7.38
91.49	V	-65.78	-13.00	-52.78	-63.41	-60.86	-4.92
102.48	V	-70.45	-13.00	-57.45	-68.73	-65.30	-5.15
158.23	V	-73.56	-13.00	-60.56	-75.87	-67.25	-6.31
366.42	V	-73.59	-13.00	-60.59	-75.99	-72.45	-1.14
489.89	V	-71.24	-13.00	-58.24	-75.69	-69.97	-1.27

Mode	LTE Band 4, QPSK, CB:20 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
38.00	H	-69.14	-13.00	-56.14	-75.98	-51.29	-17.85
91.28	H	-65.27	-13.00	-52.27	-63.27	-60.34	-4.93
102.65	H	-71.06	-13.00	-58.06	-69.18	-65.90	-5.16
120.48	H	-75.95	-13.00	-62.95	-73.09	-69.87	-6.08
388.26	H	-72.48	-13.00	-59.48	-74.78	-71.28	-1.20
474.82	H	-71.36	-13.00	-58.36	-74.70	-70.07	-1.29
80.55	V	-71.19	-13.00	-58.19	-70.52	-64.07	-7.12
90.76	V	-65.58	-13.00	-52.58	-63.23	-60.66	-4.92
101.85	V	-70.96	-13.00	-57.96	-69.17	-65.84	-5.12
159.24	V	-73.12	-13.00	-60.12	-75.48	-66.83	-6.29
367.22	V	-73.14	-13.00	-60.14	-75.55	-72.00	-1.14
489.06	V	-71.63	-13.00	-58.63	-76.07	-70.36	-1.27

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

3.2.5 Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 4, QPSK, CB:1.4 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3420.50	H	-39.90	-13.00	-26.90	-53.34	-47.18	7.28
5130.75	H	-47.52	-13.00	-34.52	-64.75	-54.00	6.48
6841.00	H	-43.45	-13.00	-30.45	-63.12	-48.25	4.80
3420.50	V	-43.25	-13.00	-30.25	-56.72	-50.53	7.28
5130.75	V	-47.81	-13.00	-34.81	-64.93	-54.29	6.48
6841.00	V	-43.69	-13.00	-30.69	-63.54	-48.49	4.80

Mode	LTE Band 4, QPSK, CB:1.4 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3464.10	H	-39.92	-13.00	-26.92	-53.79	-47.08	7.16
5196.15	H	-46.77	-13.00	-33.77	-63.99	-53.31	6.54
6928.20	H	-42.91	-13.00	-29.91	-62.06	-47.40	4.49
3464.10	V	-42.22	-13.00	-29.22	-56.08	-49.38	7.16
5196.15	V	-46.58	-13.00	-33.58	-63.65	-53.12	6.54
6928.20	V	-43.26	-13.00	-30.26	-62.81	-47.75	4.49

Mode	LTE Band 4, QPSK, CB:1.4 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3507.70	H	-39.83	-13.00	-26.83	-54.13	-46.87	7.04
5261.55	H	-46.35	-13.00	-33.35	-63.48	-52.95	6.60
7015.40	H	-43.46	-13.00	-30.46	-62.20	-47.64	4.18
3507.70	V	-41.56	-13.00	-28.56	-55.79	-48.60	7.04
5261.55	V	-46.53	-13.00	-33.53	-63.58	-53.13	6.60
7015.40	V	-44.45	-13.00	-31.45	-63.84	-48.63	4.18

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

Mode	LTE Band 4, QPSK, CB:3 MHz, RB Size: 1 RB start: 0, index: 0 ,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)**
3421.02	H	-39.81	-13.00	-26.81	-53.25	-47.09	7.28
5131.53	H	-47.62	-13.00	-34.62	-64.85	-54.10	6.48
6842.04	H	-43.70	-13.00	-30.70	-63.36	-48.50	4.80
3421.02	V	-43.48	-13.00	-30.48	-56.96	-50.76	7.28
5131.53	V	-47.70	-13.00	-34.70	-64.82	-54.18	6.48
6842.04	V	-43.52	-13.00	-30.52	-63.36	-48.32	4.80

Mode	LTE Band 4, QPSK, CB:3 MHz, RB Size: 1 RB start: 0, index: 0 ,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)**
3463.02	H	-39.66	-13.00	-26.66	-53.52	-46.82	7.16
5194.53	H	-46.66	-13.00	-33.66	-63.88	-53.20	6.54
6926.04	H	-43.05	-13.00	-30.05	-62.21	-47.55	4.50
3463.02	V	-42.39	-13.00	-29.39	-56.24	-49.55	7.16
5194.53	V	-46.67	-13.00	-33.67	-63.74	-53.21	6.54
6926.04	V	-43.39	-13.00	-30.39	-62.95	-47.89	4.50

Mode	LTE Band 4, QPSK, CB:3 MHz, RB Size: 1 RB start: 0, index: 0 ,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)**
3505.02	H	-40.05	-13.00	-27.05	-54.32	-47.10	7.05
5257.53	H	-46.39	-13.00	-33.39	-63.52	-52.99	6.60
7010.04	H	-43.60	-13.00	-30.60	-62.33	-47.80	4.20
3505.02	V	-41.62	-13.00	-28.62	-55.83	-48.67	7.05
5257.53	V	-46.57	-13.00	-33.57	-63.63	-53.17	6.60
7010.04	V	-44.56	-13.00	-31.56	-63.92	-48.76	4.20

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

Mode	LTE Band 4, QPSK, CB:5 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3420.86	H	-40.01	-13.00	-27.01	-53.45	-47.29	7.28
5131.29	H	-47.40	-13.00	-34.40	-64.63	-53.88	6.48
6841.72	H	-43.57	-13.00	-30.57	-63.23	-48.37	4.80
3420.86	V	-43.37	-13.00	-30.37	-56.84	-50.65	7.28
5131.29	V	-47.78	-13.00	-34.78	-64.90	-54.26	6.48
6841.72	V	-43.76	-13.00	-30.76	-63.60	-48.56	4.80

Mode	LTE Band 4, QPSK, CB:5 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3460.86	H	-39.91	-13.00	-26.91	-53.75	-47.08	7.17
5191.29	H	-46.64	-13.00	-33.64	-63.86	-53.17	6.53
6921.72	H	-43.11	-13.00	-30.11	-62.30	-47.62	4.51
3460.86	V	-42.51	-13.00	-29.51	-56.34	-49.68	7.17
5191.29	V	-46.67	-13.00	-33.67	-63.75	-53.20	6.53
6921.72	V	-43.27	-13.00	-30.27	-62.85	-47.78	4.51

Mode	LTE Band 4, QPSK, CB:5 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3500.86	H	-40.62	-13.00	-27.62	-54.85	-47.68	7.06
5251.29	H	-46.38	-13.00	-33.38	-63.52	-52.97	6.59
7001.72	H	-43.59	-13.00	-30.59	-62.32	-47.81	4.22
3500.86	V	-41.68	-13.00	-28.68	-55.85	-48.74	7.06
5251.29	V	-46.52	-13.00	-33.52	-63.58	-53.11	6.59
7001.72	V	-44.62	-13.00	-31.62	-63.95	-48.84	4.22

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

Mode	LTE Band 4, QPSK, CB:10 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3421.54	H	-40.78	-13.00	-27.78	-54.23	-48.06	7.28
5132.31	H	-47.62	-13.00	-34.62	-64.85	-54.10	6.48
6843.08	H	-43.70	-13.00	-30.70	-63.35	-48.49	4.79
3421.54	V	-43.75	-13.00	-30.75	-57.23	-51.03	7.28
5132.31	V	-47.68	-13.00	-34.68	-64.80	-54.16	6.48
6843.08	V	-44.01	-13.00	-31.01	-63.84	-48.80	4.79

Mode	LTE Band 4, QPSK, CB:10 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3456.54	H	-40.20	-13.00	-27.20	-53.99	-47.38	7.18
5184.81	H	-46.90	-13.00	-33.90	-64.12	-53.43	6.53
6913.08	H	-42.99	-13.00	-29.99	-62.23	-47.53	4.54
3456.54	V	-42.58	-13.00	-29.58	-56.36	-49.76	7.18
5184.81	V	-46.87	-13.00	-33.87	-63.95	-53.40	6.53
6913.08	V	-43.62	-13.00	-30.62	-63.22	-48.16	4.54

Mode	LTE Band 4, QPSK, CB:10 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3491.54	H	-40.71	-13.00	-27.71	-54.85	-47.79	7.08
5237.31	H	-46.69	-13.00	-33.69	-63.85	-53.27	6.58
6983.08	H	-44.00	-13.00	-31.00	-62.83	-48.29	4.29
3491.54	V	-41.86	-13.00	-28.86	-55.95	-48.94	7.08
5237.31	V	-46.89	-13.00	-33.89	-63.95	-53.47	6.58
6983.08	V	-44.82	-13.00	-31.82	-64.20	-49.11	4.29

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

Mode	LTE Band 4, QPSK, CB:15 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3422.22	H	-40.78	-13.00	-27.78	-54.23	-48.06	7.28
5133.33	H	-47.62	-13.00	-34.62	-64.85	-54.10	6.48
6844.44	H	-43.98	-13.00	-30.98	-63.62	-48.77	4.79
3422.22	V	-43.74	-13.00	-30.74	-57.23	-51.02	7.28
5133.33	V	-47.73	-13.00	-34.73	-64.85	-54.21	6.48
6844.44	V	-43.73	-13.00	-30.73	-63.56	-48.52	4.79

Mode	LTE Band 4, QPSK, CB:15 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3452.22	H	-40.50	-13.00	-27.50	-54.25	-47.69	7.19
5178.33	H	-47.13	-13.00	-34.13	-64.35	-53.65	6.52
6904.44	H	-43.16	-13.00	-30.16	-62.46	-47.73	4.57
3452.22	V	-42.58	-13.00	-29.58	-56.33	-49.77	7.19
5178.33	V	-46.84	-13.00	-33.84	-63.93	-53.36	6.52
6904.44	V	-43.58	-13.00	-30.58	-63.22	-48.15	4.57

Mode	LTE Band 4, QPSK, CB:15 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3482.22	H	-40.31	-13.00	-27.31	-54.36	-47.42	7.11
5223.33	H	-46.61	-13.00	-33.61	-63.80	-53.17	6.56
6964.44	H	-43.81	-13.00	-30.81	-62.75	-48.17	4.36
3482.22	V	-42.09	-13.00	-29.09	-56.10	-49.20	7.11
5223.33	V	-46.88	-13.00	-33.88	-63.94	-53.44	6.56
6964.44	V	-44.76	-13.00	-31.76	-64.20	-49.12	4.36

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

Mode	LTE Band 4, QPSK, CB:20 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3422.90	H	-40.56	-13.00	-27.56	-54.02	-47.84	7.28
5134.35	H	-47.69	-13.00	-34.69	-64.92	-54.17	6.48
6845.80	H	-43.64	-13.00	-30.64	-63.28	-48.43	4.79
3422.90	V	-43.69	-13.00	-30.69	-57.18	-50.97	7.28
5134.35	V	-47.96	-13.00	-34.96	-65.08	-54.44	6.48
6845.80	V	-43.94	-13.00	-30.94	-63.77	-48.73	4.79

Mode	LTE Band 4, QPSK, CB:20 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3447.90	H	-40.25	-13.00	-27.25	-53.96	-47.46	7.21
5171.85	H	-46.98	-13.00	-33.98	-64.20	-53.50	6.52
6895.80	H	-42.96	-13.00	-29.96	-62.30	-47.57	4.61
3447.90	V	-42.56	-13.00	-29.56	-56.27	-49.77	7.21
5171.85	V	-46.74	-13.00	-33.74	-63.83	-53.26	6.52
6895.80	V	-43.35	-13.00	-30.35	-63.01	-47.96	4.61

Mode	LTE Band 4, QPSK, CB:20 MHz, RB Size: 1 RB start: 0, index: 0 ,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)
3472.90	H	-40.25	-13.00	-27.25	-54.21	-47.39	7.14
5209.35	H	-46.58	-13.00	-33.58	-63.79	-53.13	6.55
6945.80	H	-43.58	-13.00	-30.58	-62.63	-48.01	4.43
3472.90	V	-41.98	-13.00	-28.98	-55.91	-49.12	7.14
5209.35	V	-46.82	-13.00	-33.82	-63.89	-53.37	6.55
6945.80	V	-44.59	-13.00	-31.59	-64.09	-49.02	4.43

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

3.3 Conducted Emissions & Band Edge

3.3.1 Limit of Conducted Emissions & Band Edge

The power of any emission outside of the authorized operating frequencyranges 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

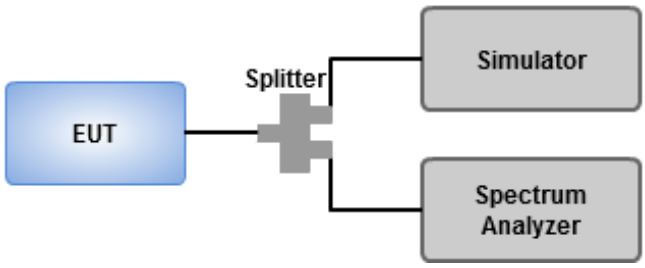
Out of band emission

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 = Peak, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

Band edge

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

3.3.3 Test Setup



3.3.4 Test Result of Conducted Emissions & Band Edge

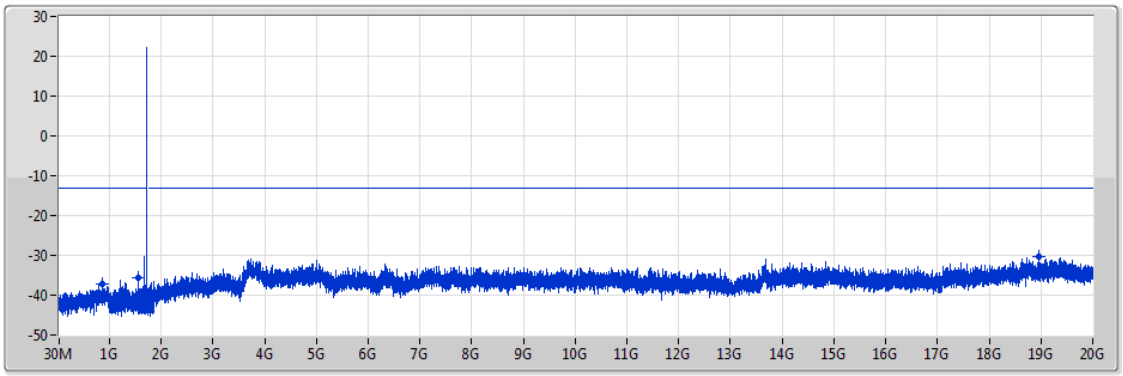
Out of band emission

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 4	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.24608G	-29.62	-13.00	-16.62	1	-	-
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	19.22793G	-29.80	-13.00	-16.80	1	-	-
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.4239G	-29.49	-13.00	-16.49	1	-	-
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	3.81375G	-30.11	-13.00	-17.11	1	-	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	19.23156G	-29.41	-13.00	-16.41	1	-	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	3.73845G	-30.02	-13.00	-17.02	1	-	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	3.76204G	-29.14	-13.00	-16.14	1	-	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	18.81967G	-29.24	-13.00	-16.24	1	-	-
LTE-M1_15MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	18.41957G	-30.07	-13.00	-17.07	1	-	-
LTE-M1_15MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	3.88905G	-29.74	-13.00	-16.74	1	-	-
LTE-M1_20MHz_Nss1,QPSK_1TX	Pass	1.855G	20G	1M	3M	Peak	3.79742G	-29.90	-13.00	-16.90	1	-	-
LTE-M1_20MHz_Nss1,16QAM_1TX	Pass	1.855G	20G	1M	3M	Peak	18.63187G	-29.83	-13.00	-16.83	1	-	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

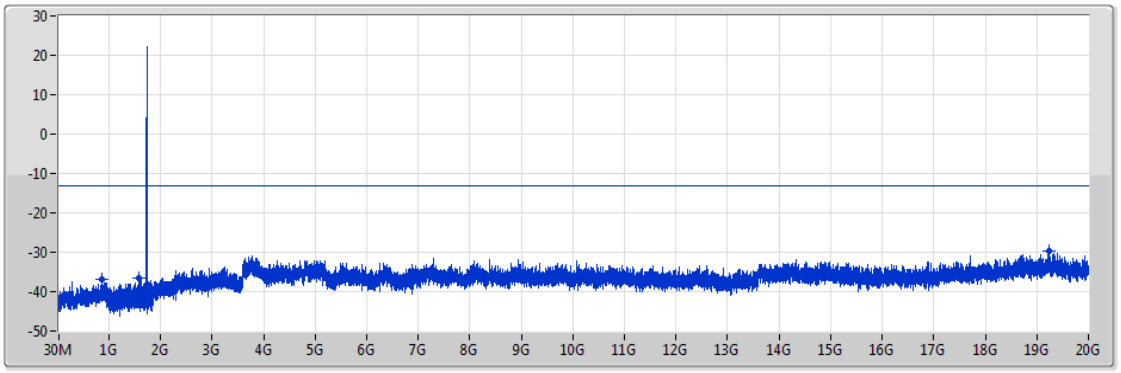
1710.7MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	869.05M	-37.27	-13.00	-24.27	1	-
1G	1.61G	1M	3M	Peak	1.56151G	-35.47	-13.00	-22.47	1	-
1.855G	20G	1M	3M	Peak	18.96029G	-30.26	-13.00	-17.26	1	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

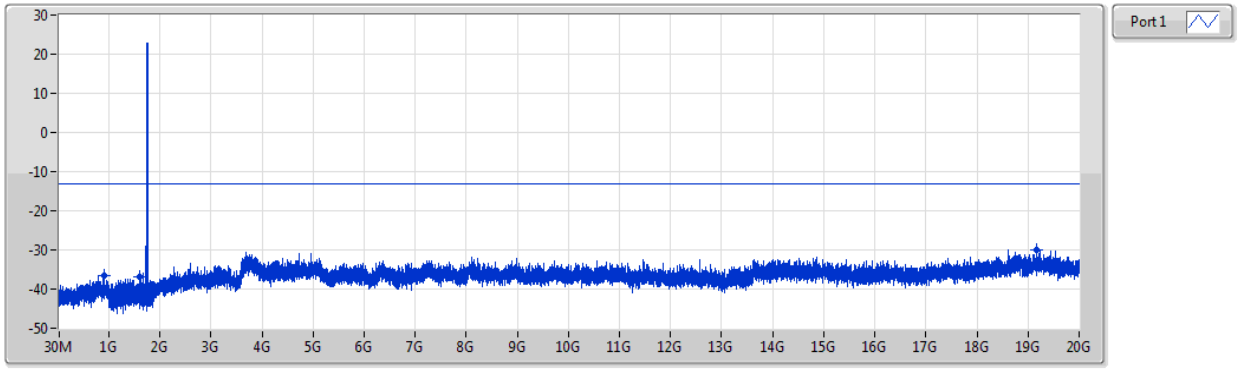
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	873.9M	-37.01	-13.00	-24.01	1	-
1G	1.61G	1M	3M	Peak	1.58194G	-36.64	-13.00	-23.64	1	-
1.855G	20G	1M	3M	Peak	19.24608G	-29.62	-13.00	-16.62	1	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

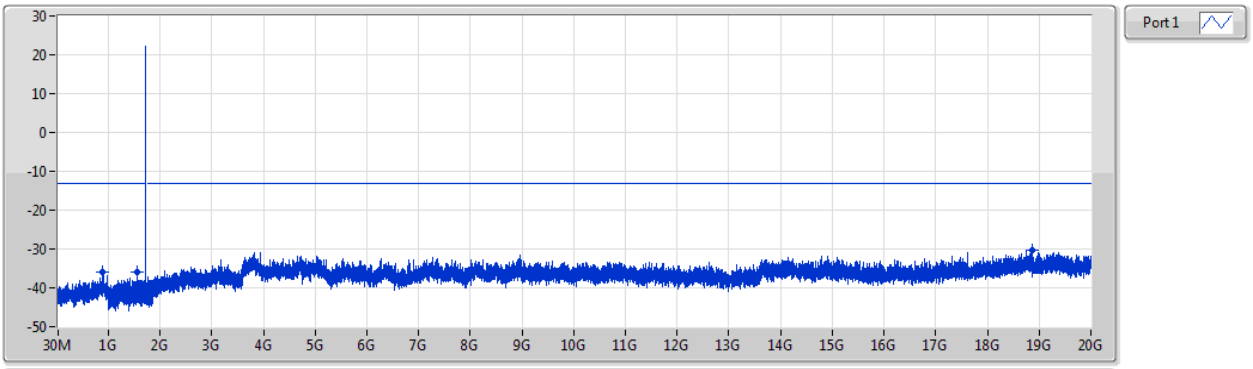
1754.3MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	913.67M	-36.66	-13.00	-23.66	1	-
1G	1.61G	1M	3M	Peak	1.60207G	-36.72	-13.00	-23.72	1	-
1.855G	20G	1M	3M	Peak	19.16805G	-29.88	-13.00	-16.88	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

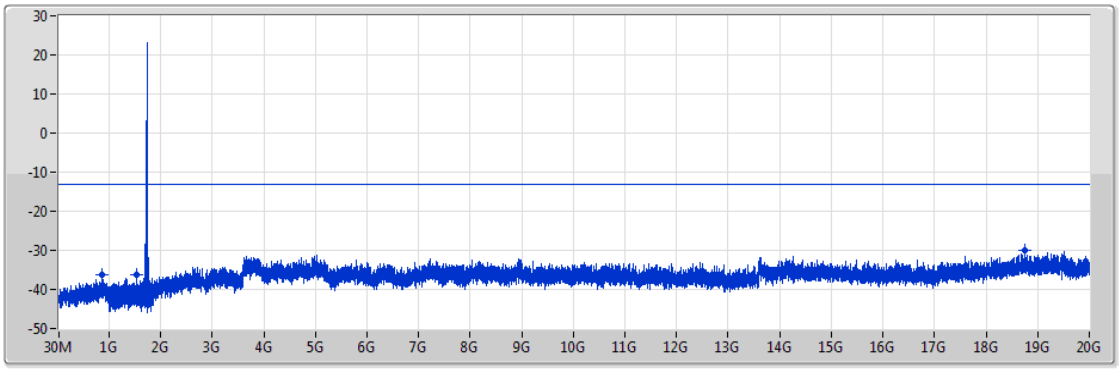
1710.7MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	883.6M	-35.87	-13.00	-22.87	1	-
1G	1.61G	1M	3M	Peak	1.56151G	-36.08	-13.00	-23.08	1	-
1.855G	20G	1M	3M	Peak	18.87592G	-30.35	-13.00	-17.35	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

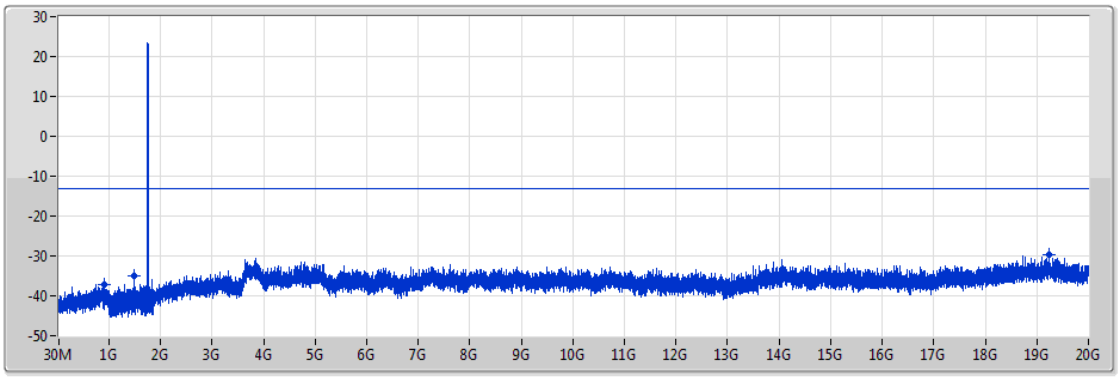
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	861.29M	-36.38	-13.00	-23.38	1	-
1G	1.61G	1M	3M	Peak	1.54565G	-36.29	-13.00	-23.29	1	-
1.855G	20G	1M	3M	Peak	18.75525G	-30.14	-13.00	-17.14	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

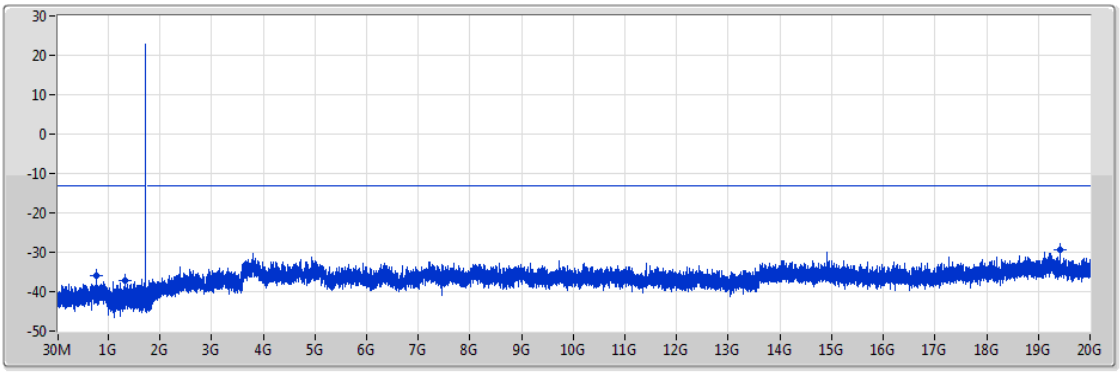
1754.3MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	910.76M	-37.17	-13.00	-24.17	1	-
1G	1.61G	1M	3M	Peak	1.48526G	-35.12	-13.00	-22.12	1	-
1.855G	20G	1M	3M	Peak	19.22793G	-29.80	-13.00	-16.80	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

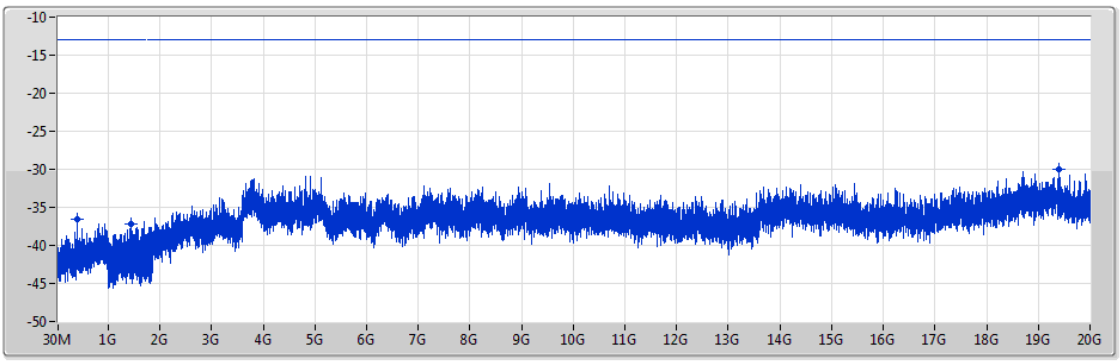
1711.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	770.11M	-35.97	-13.00	-22.97	1	-
1G	1.61G	1M	3M	Peak	1.32269G	-37.25	-13.00	-24.25	1	-
1.855G	20G	1M	3M	Peak	19.4239G	-29.49	-13.00	-16.49	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

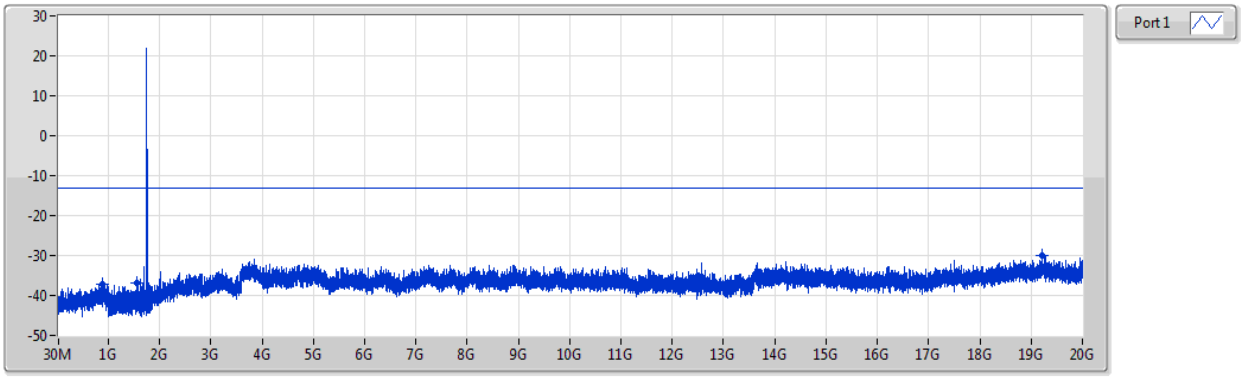
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	405.39M	-36.62	-13.00	-23.62	1	-
1G	1.61G	1M	3M	Peak	1.43615G	-37.16	-13.00	-24.16	1	-
1.855G	20G	1M	3M	Peak	19.39668G	-30.02	-13.00	-17.02	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

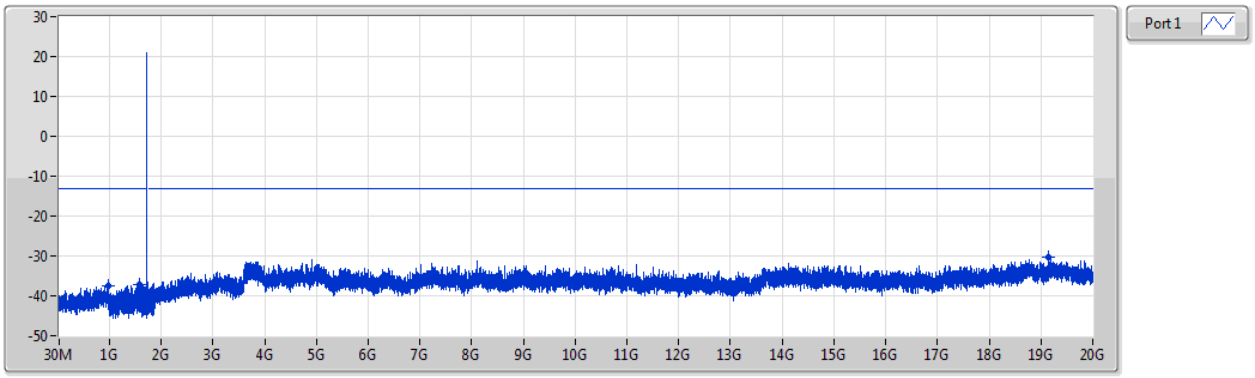
1753.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	889.42M	-37.08	-13.00	-24.08	1	-
1G	1.61G	1M	3M	Peak	1.56669G	-36.93	-13.00	-23.93	1	-
1.855G	20G	1M	3M	Peak	19.22249G	-29.88	-13.00	-16.88	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

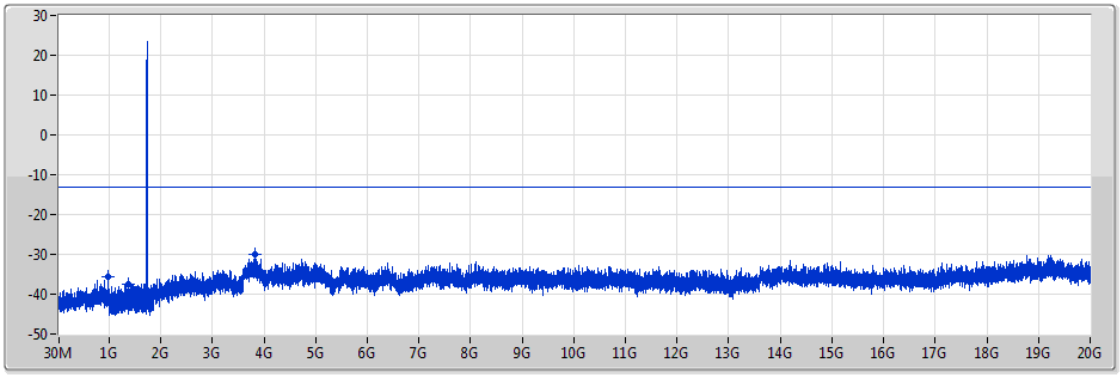
1711.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	977.69M	-37.53	-13.00	-24.53	1	-
1G	1.61G	1M	3M	Peak	1.56883G	-37.19	-13.00	-24.19	1	-
1.855G	20G	1M	3M	Peak	19.13267G	-30.29	-13.00	-17.29	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

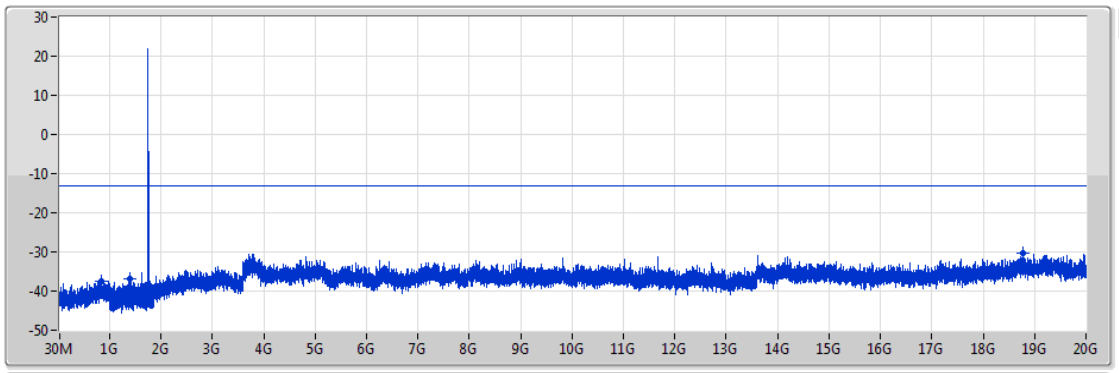
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	984.48M	-35.54	-13.00	-22.54	1	-
1G	1.61G	1M	3M	Peak	1.38034G	-37.40	-13.00	-24.40	1	-
1.855G	20G	1M	3M	Peak	3.81375G	-30.11	-13.00	-17.11	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

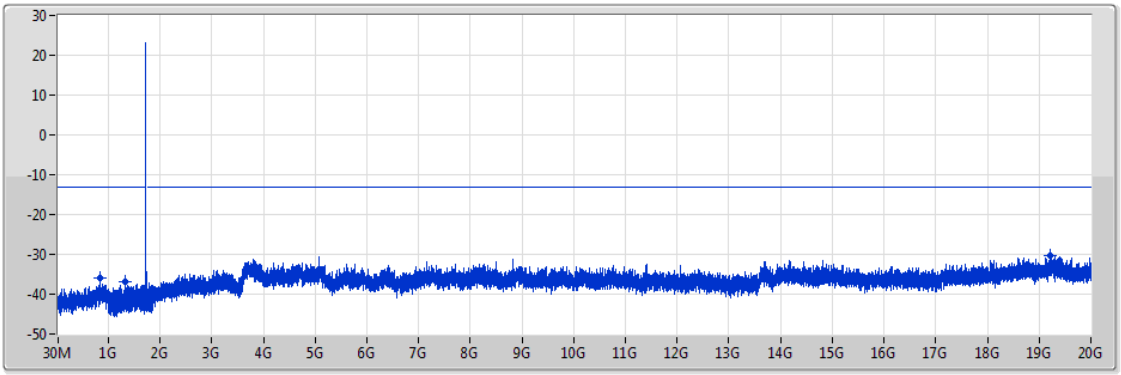
1753.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	830.25M	-37.43	-13.00	-24.43	1	-
1G	1.61G	1M	3M	Peak	1.38735G	-36.90	-13.00	-23.90	1	-
1.855G	20G	1M	3M	Peak	18.77884G	-30.24	-13.00	-17.24	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

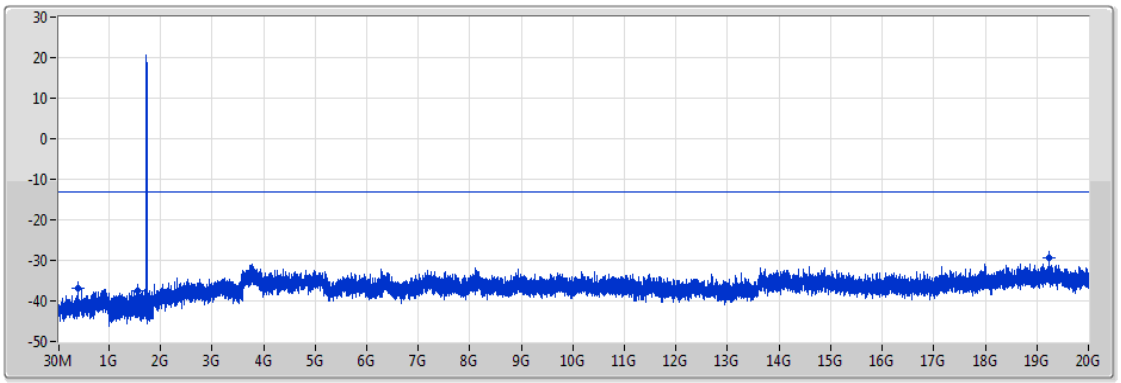
1712.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	850.62M	-36.05	-13.00	-23.05	1	-
1G	1.61G	1M	3M	Peak	1.33459G	-36.89	-13.00	-23.89	1	-
1.855G	20G	1M	3M	Peak	19.22158G	-30.36	-13.00	-17.36	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

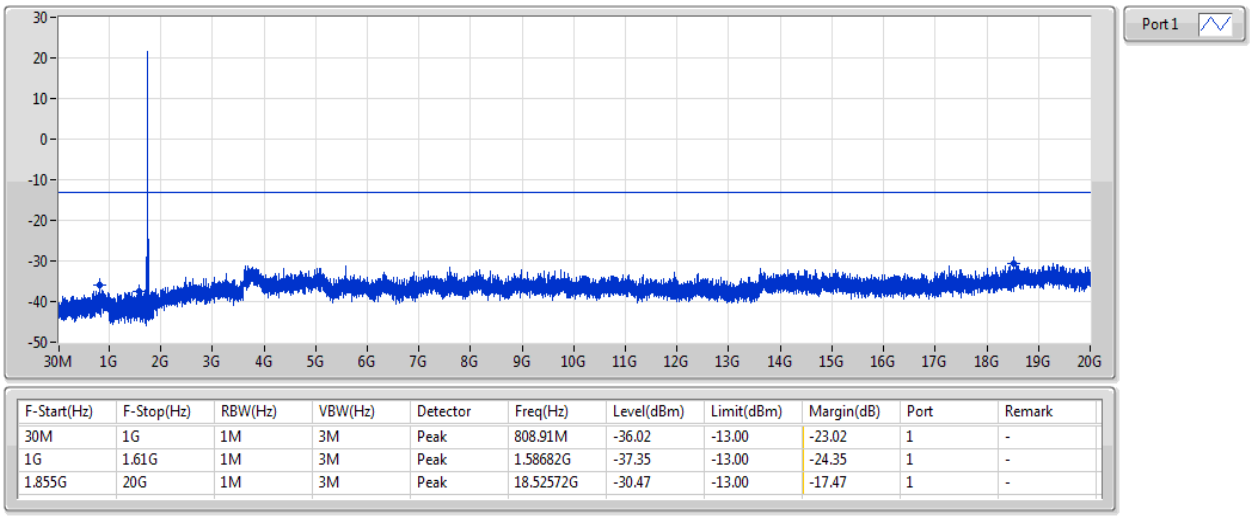
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	391.81M	-37.00	-13.00	-24.00	1	-
1G	1.61G	1M	3M	Peak	1.55266G	-37.49	-13.00	-24.49	1	-
1.855G	20G	1M	3M	Peak	19.23156G	-29.41	-13.00	-16.41	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

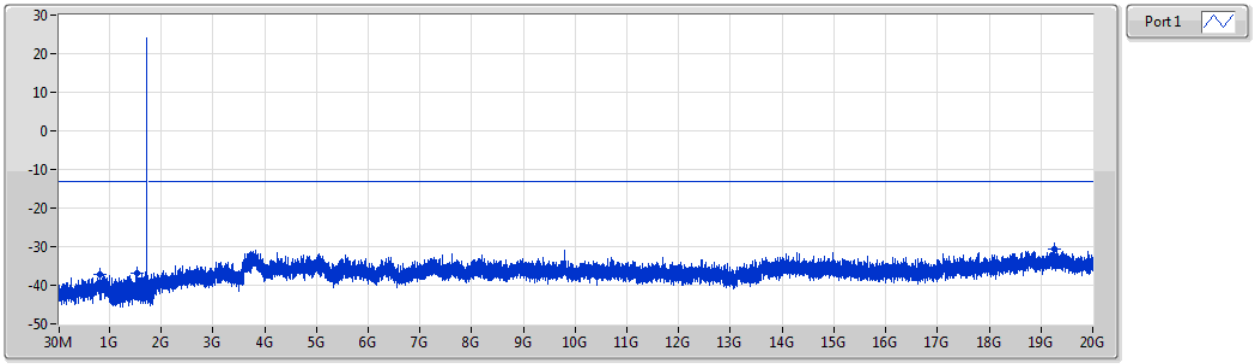
1752.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	808.91M	-36.02	-13.00	-23.02	1	-
1G	1.61G	1M	3M	Peak	1.58682G	-37.35	-13.00	-24.35	1	-
1.855G	20G	1M	3M	Peak	18.52572G	-30.47	-13.00	-17.47	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

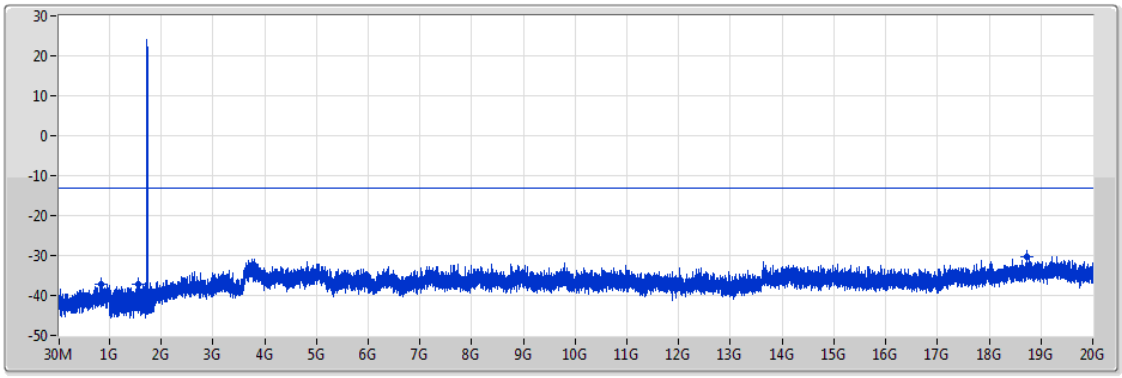
1712.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	816.67M	-37.08	-13.00	-24.08	1	-
1G	1.61G	1M	3M	Peak	1.53528G	-36.98	-13.00	-23.98	1	-
1.855G	20G	1M	3M	Peak	19.2488G	-30.77	-13.00	-17.77	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

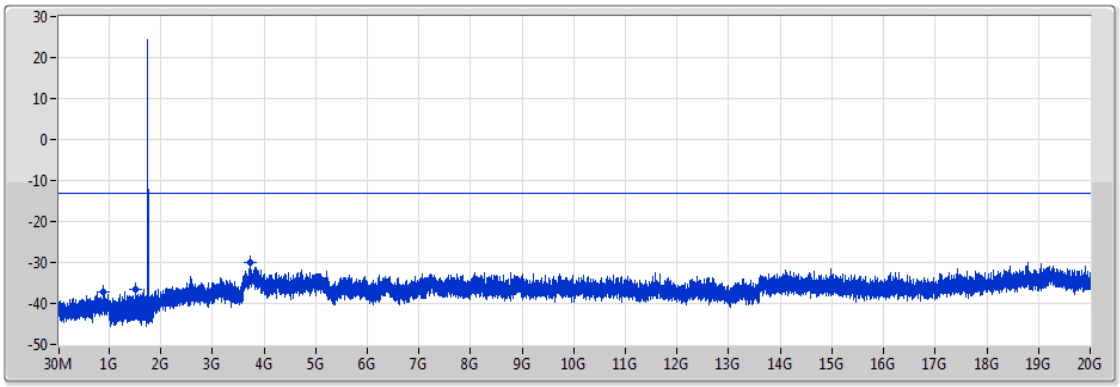
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	838.98M	-37.32	-13.00	-24.32	1	-
1G	1.61G	1M	3M	Peak	1.54809G	-37.29	-13.00	-24.29	1	-
1.855G	20G	1M	3M	Peak	18.72894G	-30.33	-13.00	-17.33	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

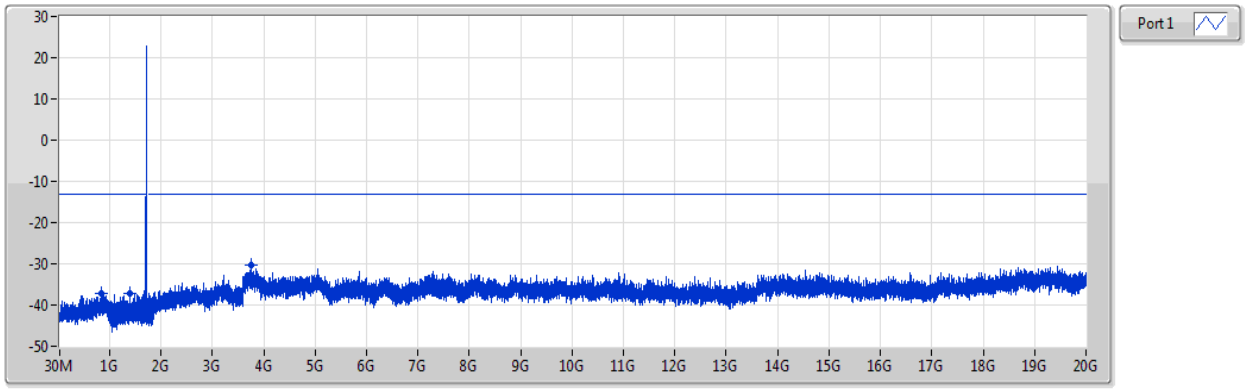
1752.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	896.21M	-37.19	-13.00	-24.19	1	-
1G	1.61G	1M	3M	Peak	1.52033G	-36.63	-13.00	-23.63	1	-
1.855G	20G	1M	3M	Peak	3.73845G	-30.02	-13.00	-17.02	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

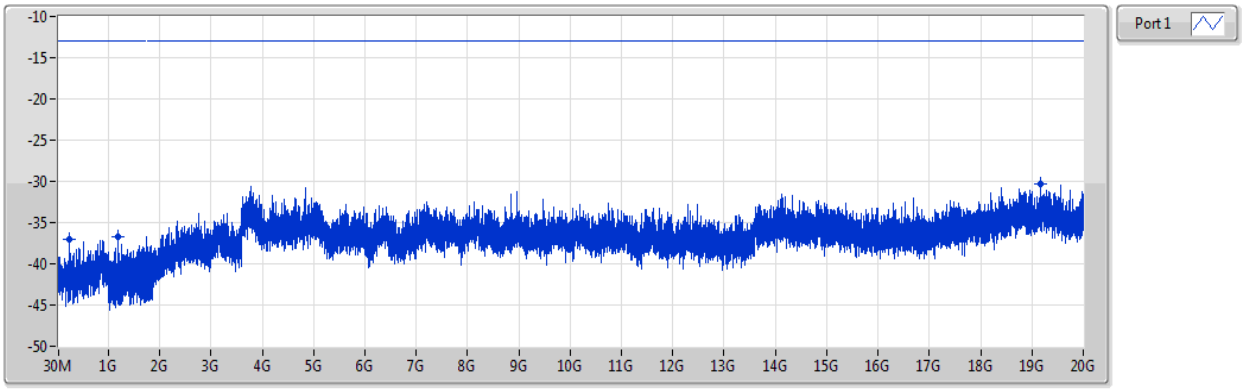
1715MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	844.8M	-37.14	-13.00	-24.14	1	-
1G	1.61G	1M	3M	Peak	1.38583G	-37.04	-13.00	-24.04	1	-
1.855G	20G	1M	3M	Peak	3.7566G	-30.40	-13.00	-17.40	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

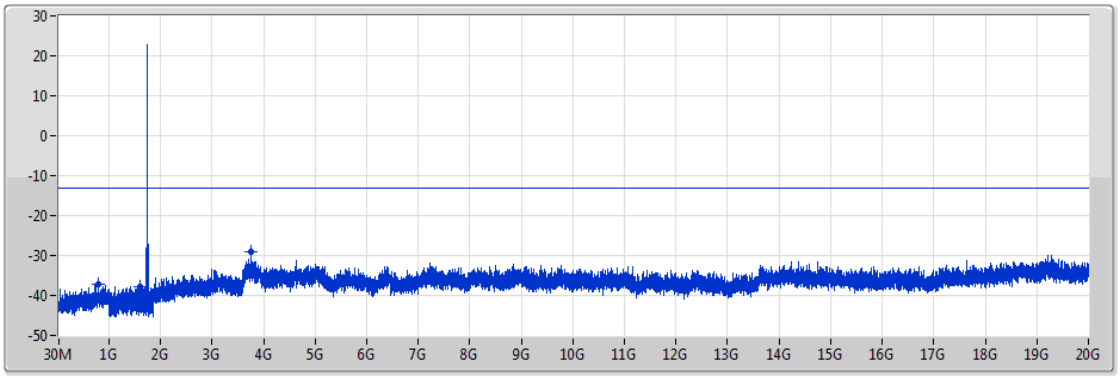
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	249.22M	-37.05	-13.00	-24.05	1	-
1G	1.61G	1M	3M	Peak	1.19734G	-36.73	-13.00	-23.73	1	-
1.855G	20G	1M	3M	Peak	19.17168G	-30.38	-13.00	-17.38	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

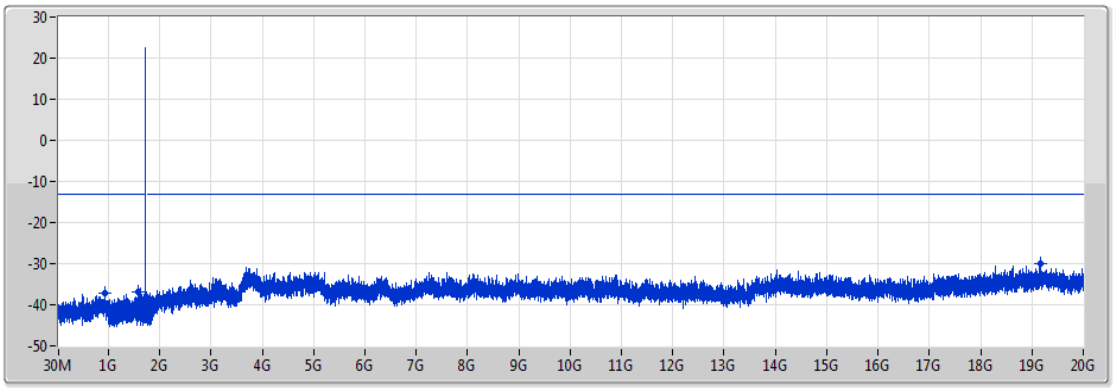
1750MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	800.18M	-37.16	-13.00	-24.16	1	-
1G	1.61G	1M	3M	Peak	1.59414G	-37.70	-13.00	-24.70	1	-
1.855G	20G	1M	3M	Peak	3.76204G	-29.14	-13.00	-16.14	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

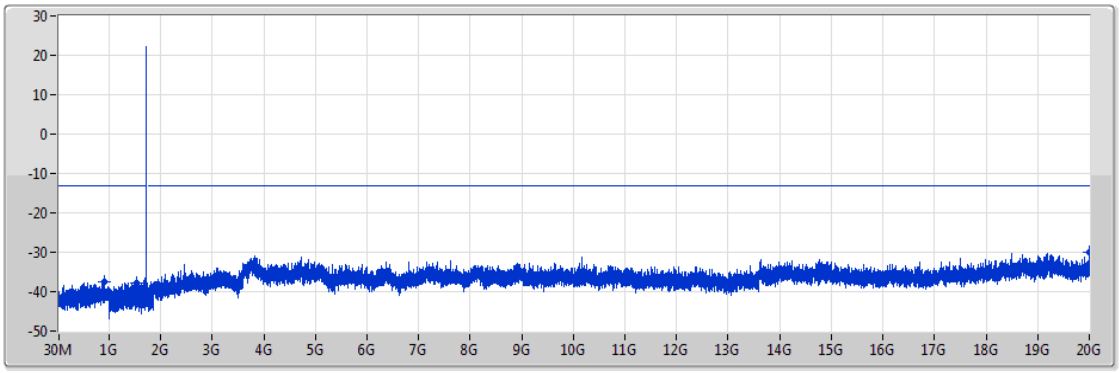
1715MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	927.25M	-37.28	-13.00	-24.28	1	-
1G	1.61G	1M	3M	Peak	1.57401G	-37.02	-13.00	-24.02	1	-
1.855G	20G	1M	3M	Peak	19.17077G	-30.12	-13.00	-17.12	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

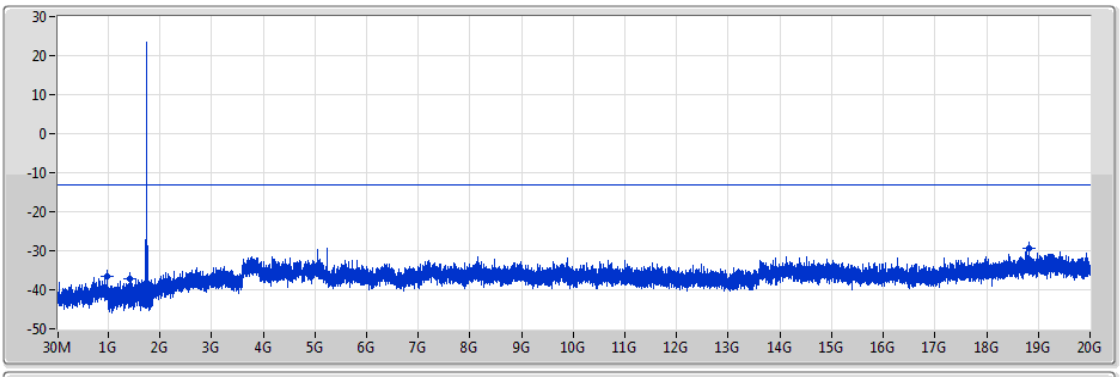
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	911.73M	-37.52	-13.00	-24.52	1	-
1G	1.61G	1M	3M	Peak	1.53558G	-37.68	-13.00	-24.68	1	-
1.855G	20G	1M	3M	Peak	19.99637G	-30.11	-13.00	-17.11	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

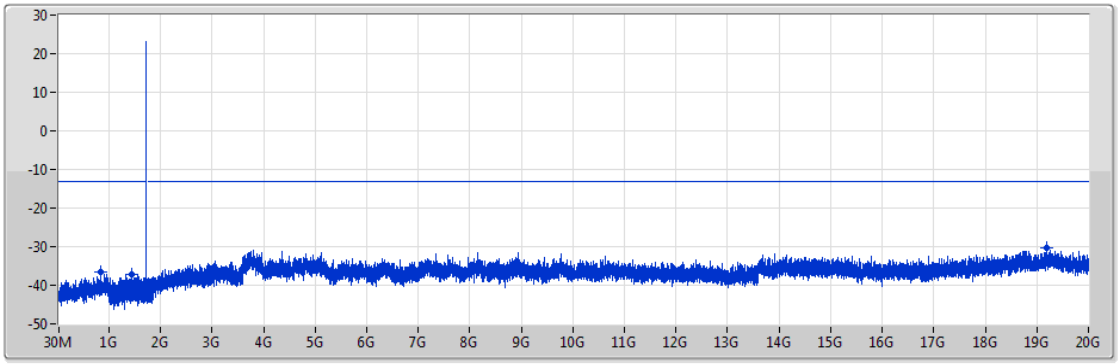
1750MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	976.72M	-36.56	-13.00	-23.56	1	-
1G	1.61G	1M	3M	Peak	1.40992G	-37.11	-13.00	-24.11	1	-
1.855G	20G	1M	3M	Peak	18.81967G	-29.24	-13.00	-16.24	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

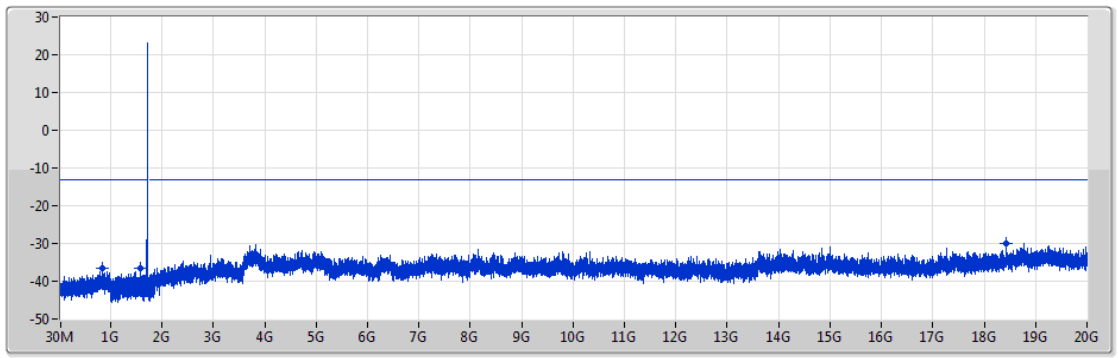
1717.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	829.28M	-36.70	-13.00	-23.70	1	-
1G	1.61G	1M	3M	Peak	1.44256G	-37.19	-13.00	-24.19	1	-
1.855G	20G	1M	3M	Peak	19.18438G	-30.31	-13.00	-17.31	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

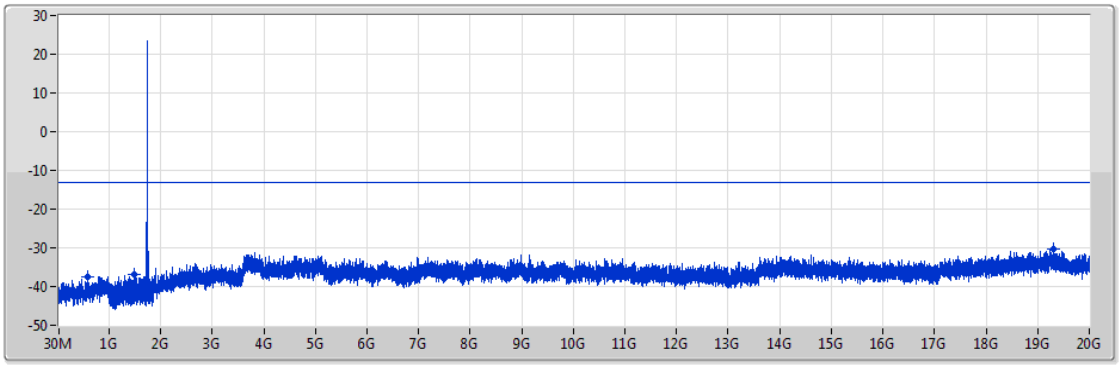
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	845.77M	-36.59	-13.00	-23.59	1	-
1G	1.61G	1M	3M	Peak	1.58133G	-36.59	-13.00	-23.59	1	-
1.855G	20G	1M	3M	Peak	18.41957G	-30.07	-13.00	-17.07	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

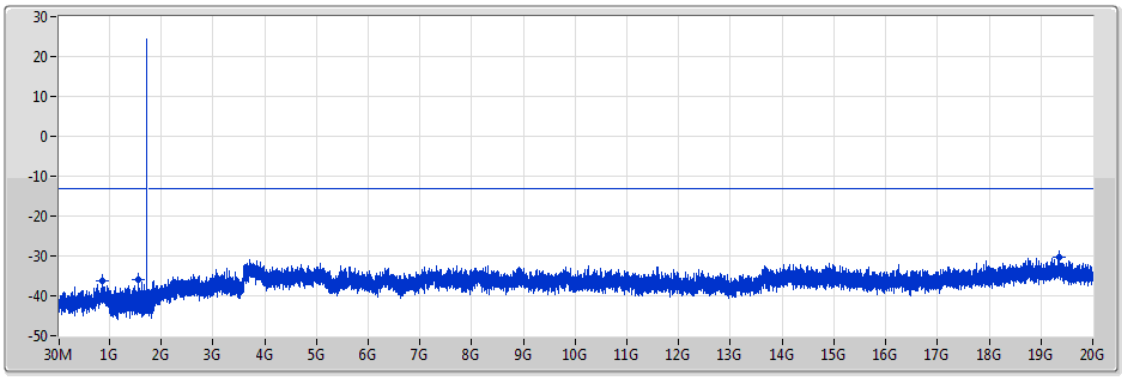
1747.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	593.57M	-37.35	-13.00	-24.35	1	-
1G	1.61G	1M	3M	Peak	1.47702G	-36.77	-13.00	-23.77	1	-
1.855G	20G	1M	3M	Peak	19.31049G	-30.42	-13.00	-17.42	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

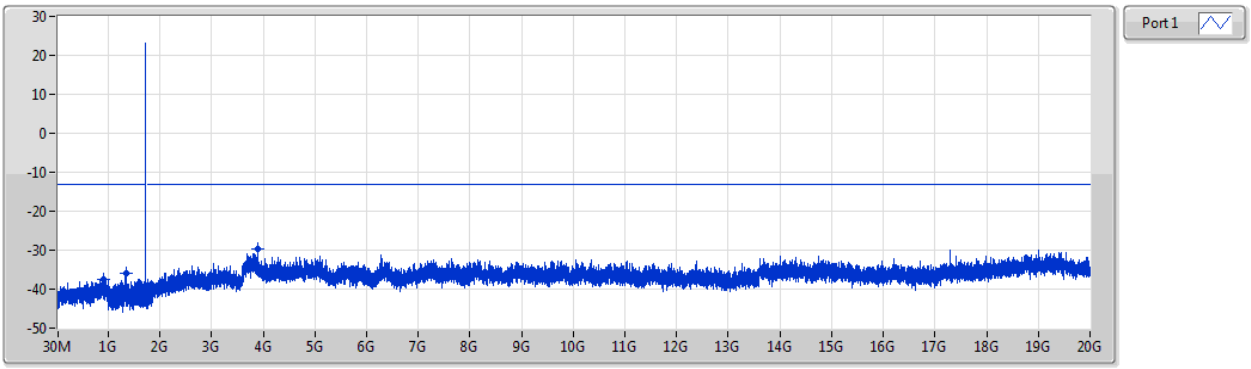
1717.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	864.2M	-36.16	-13.00	-23.16	1	-
1G	1.61G	1M	3M	Peak	1.56273G	-36.01	-13.00	-23.01	1	-
1.855G	20G	1M	3M	Peak	19.35041G	-30.33	-13.00	-17.33	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

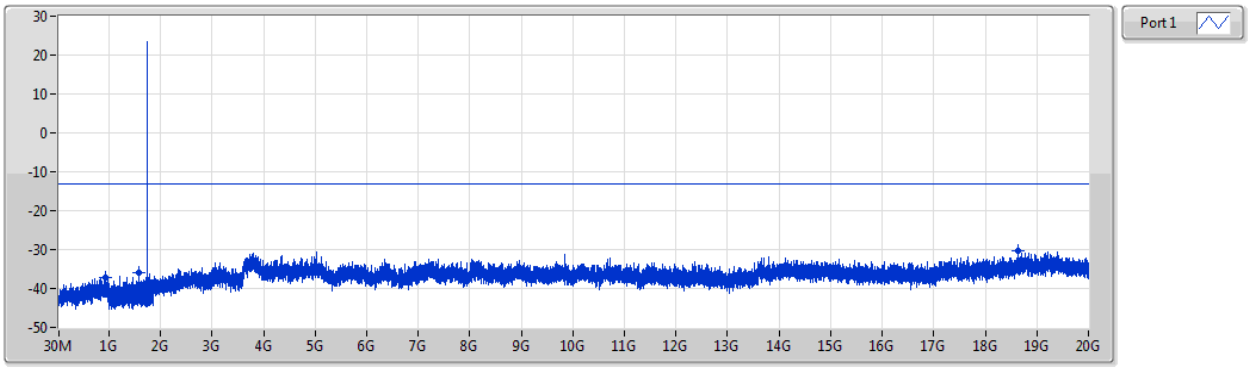
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	914.64M	-37.45	-13.00	-24.45	1	-
1G	1.61G	1M	3M	Peak	1.34923G	-35.80	-13.00	-22.80	1	-
1.855G	20G	1M	3M	Peak	3.88905G	-29.74	-13.00	-16.74	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

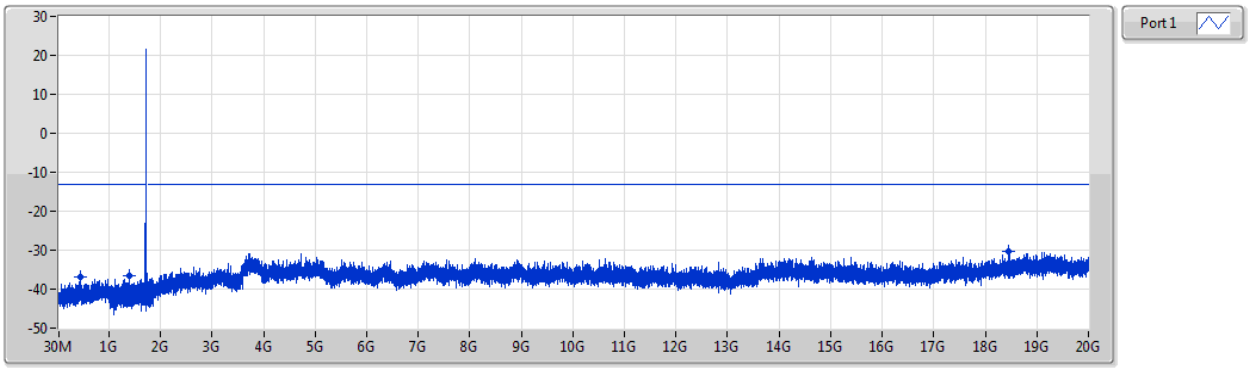
1747.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	941.8M	-37.19	-13.00	-24.19	1	-
1G	1.61G	1M	3M	Peak	1.58987G	-36.08	-13.00	-23.08	1	-
1.855G	20G	1M	3M	Peak	18.64366G	-30.36	-13.00	-17.36	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

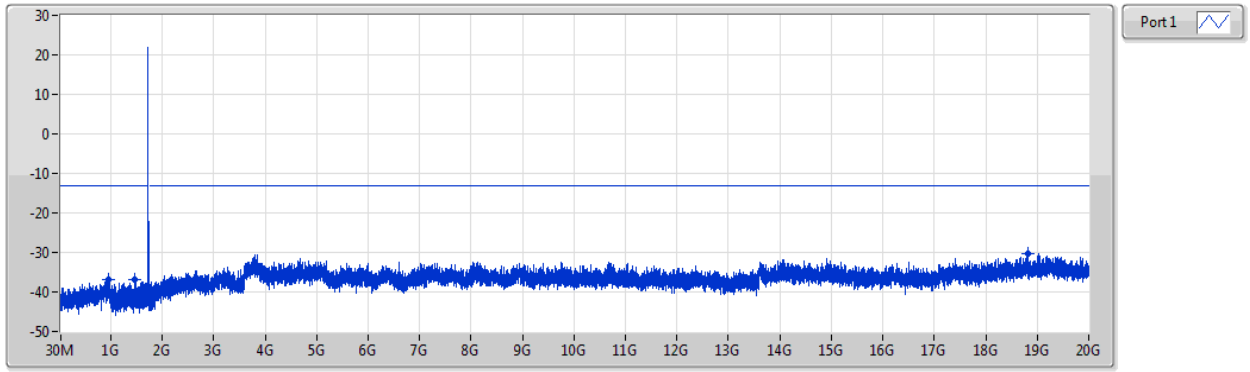
1720MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	454.86M	-36.97	-13.00	-23.97	1	-
1G	1.61G	1M	3M	Peak	1.40413G	-36.52	-13.00	-23.52	1	-
1.855G	20G	1M	3M	Peak	18.45132G	-30.36	-13.00	-17.36	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

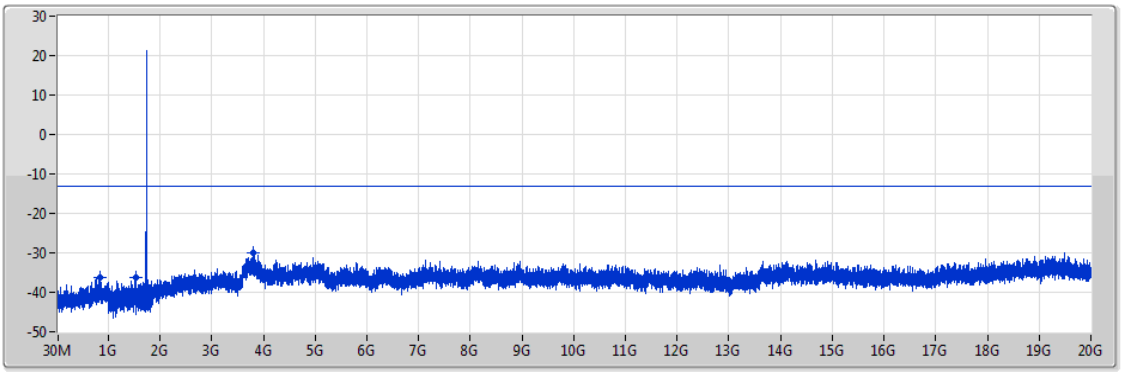
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	965.08M	-36.95	-13.00	-23.95	1	-
1G	1.61G	1M	3M	Peak	1.46787G	-37.01	-13.00	-24.01	1	-
1.855G	20G	1M	3M	Peak	18.82511G	-30.44	-13.00	-17.44	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

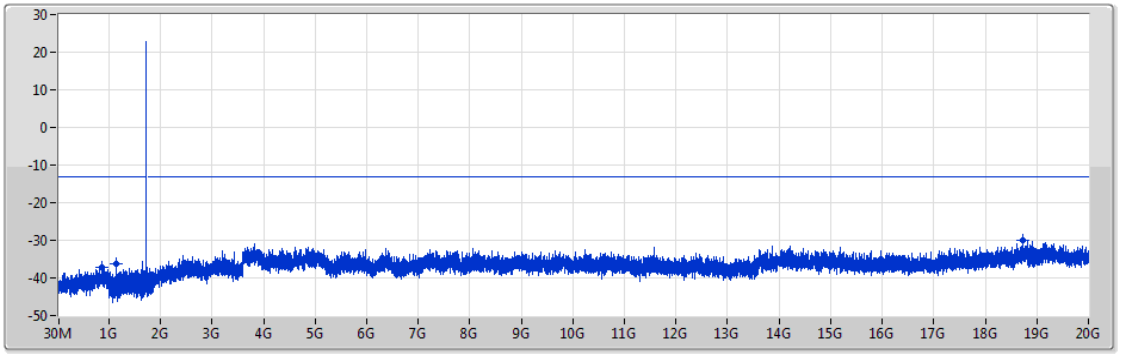
1745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	833.16M	-36.16	-13.00	-23.16	1	-
1G	1.61G	1M	3M	Peak	1.54077G	-36.13	-13.00	-23.13	1	-
1.855G	20G	1M	3M	Peak	3.79742G	-29.90	-13.00	-16.90	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

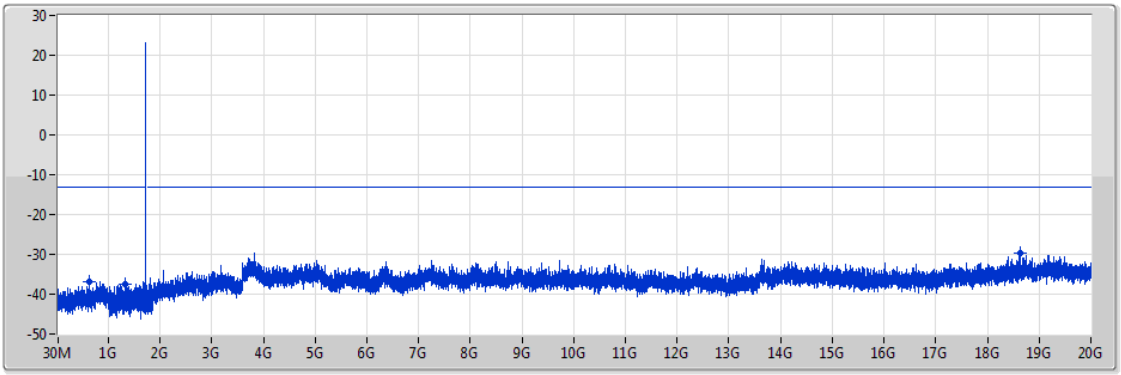
1720MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	865.17M	-37.24	-13.00	-24.24	1	-
1G	1.61G	1M	3M	Peak	1.13603G	-36.26	-13.00	-23.26	1	-
1.855G	20G	1M	3M	Peak	18.72713G	-30.12	-13.00	-17.12	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

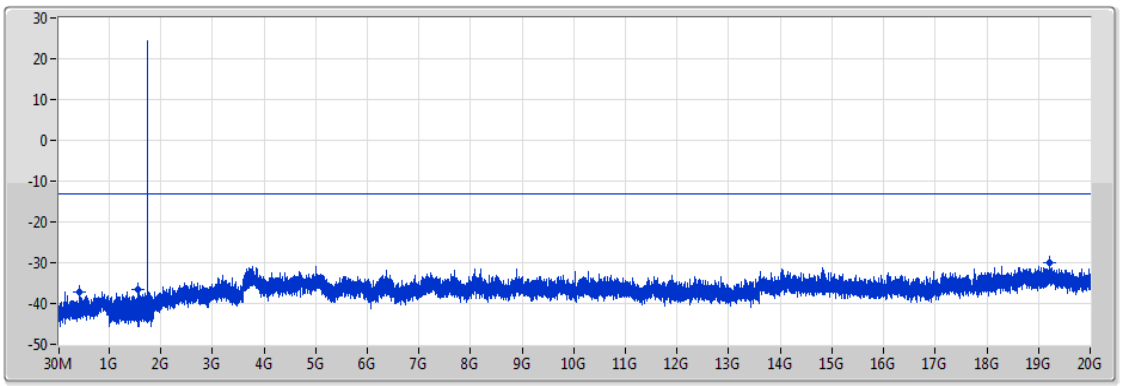
1732.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	620.73M	-36.90	-13.00	-23.90	1	-
1G	1.61G	1M	3M	Peak	1.31659G	-37.39	-13.00	-24.39	1	-
1.855G	20G	1M	3M	Peak	18.63187G	-29.83	-13.00	-16.83	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

1745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	1G	1M	3M	Peak	423.82M	-37.08	-13.00	-24.08	1	-
1G	1.61G	1M	3M	Peak	1.55114G	-36.41	-13.00	-23.41	1	-
1.855G	20G	1M	3M	Peak	19.21886G	-29.87	-13.00	-16.87	1	-

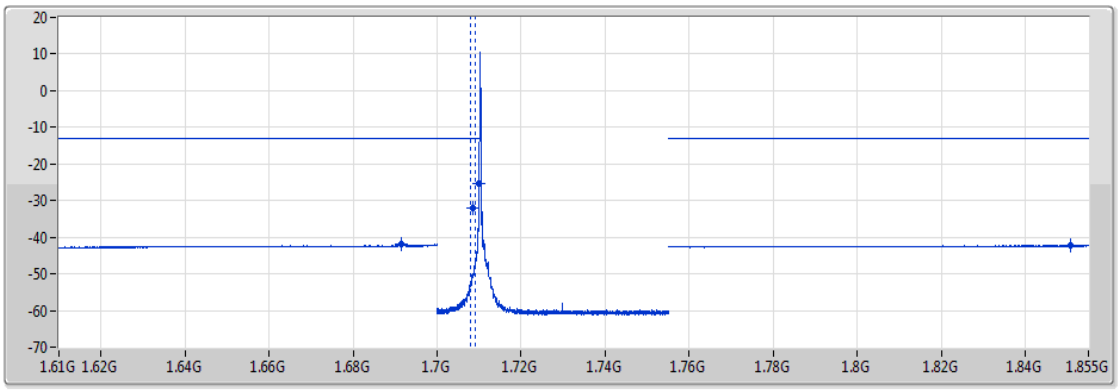
Band edge

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 4	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	1.709G	1.71G	15k	47k	RMS	1.71G	-25.45	-13.00	-12.45	1	-	-
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	1.709G	1.71G	15k	47k	RMS	1.71G	-26.23	-13.00	-13.23	1	-	-
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-31.18	-13.00	-18.18	1	MBW 1M	-
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-31.60	-13.00	-18.60	1	MBW 1M	-
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-30.82	-13.00	-17.82	1	MBW 1M	-
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	1.709G	1.71G	15k	47k	RMS	1.71G	-30.47	-13.00	-17.47	1	-	-
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-33.12	-13.00	-20.12	1	MBW 1M	-
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-32.51	-13.00	-19.51	1	MBW 1M	-
LTE-M1_15MHz_Nss1,QPSK_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-33.61	-13.00	-20.61	1	MBW 1M	-
LTE-M1_15MHz_Nss1,16QAM_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-33.82	-13.00	-20.82	1	MBW 1M	-
LTE-M1_20MHz_Nss1,QPSK_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-35.58	-13.00	-22.58	1	MBW 1M	-
LTE-M1_20MHz_Nss1,16QAM_1TX	Pass	1.756G	1.765G	15k	47k	RMS	1.7565G	-35.94	-13.00	-22.94	1	MBW 1M	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

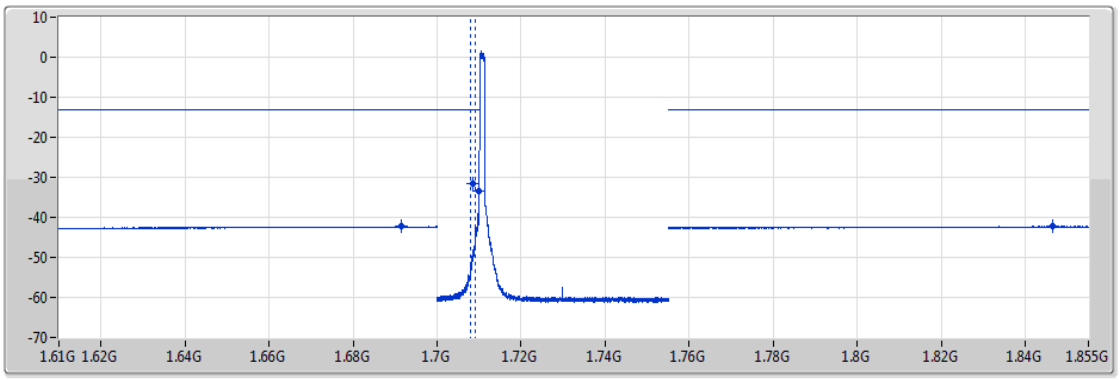
1710.7MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69154G	-41.97	-13.00	-28.97	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-32.16	-13.00	-19.16	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-25.45	-13.00	-12.45	1	-
1.755G	1.855G	1M	3M	RMS	1.8508G	-42.28	-13.00	-29.28	1	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

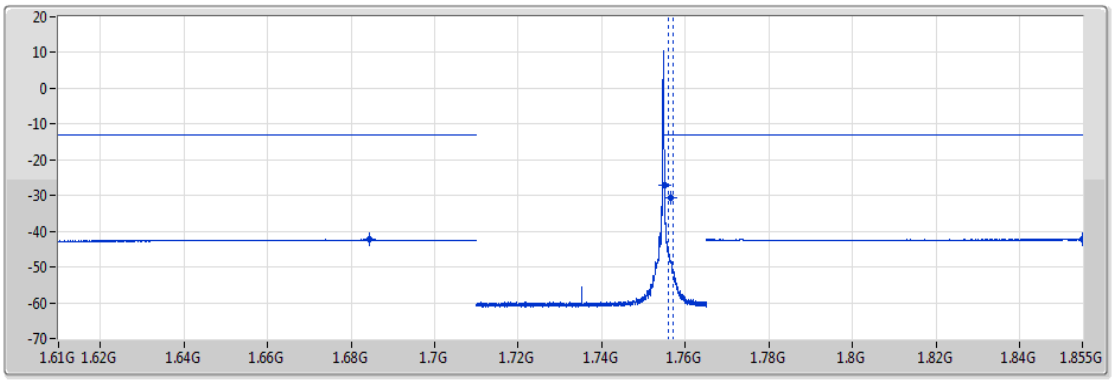
1710.7MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69154G	-42.20	-13.00	-29.20	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-31.41	-13.00	-18.41	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-33.49	-13.00	-20.49	1	-
1.755G	1.855G	1M	3M	RMS	1.8464G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

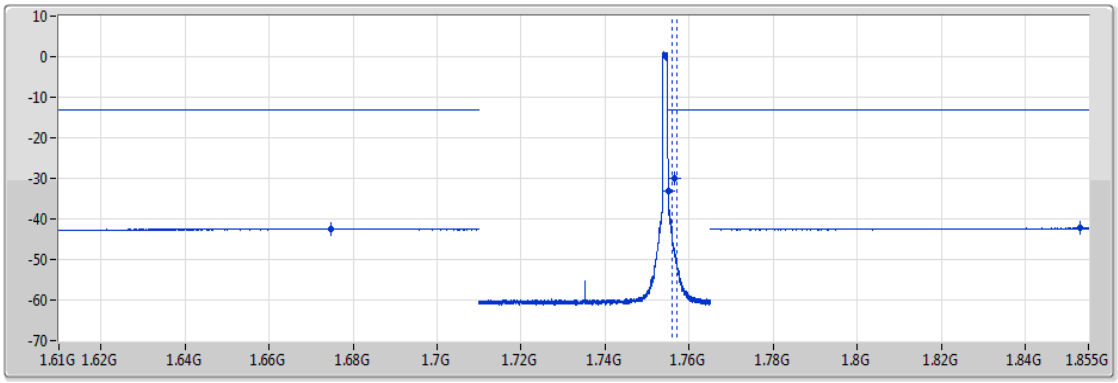
1754.3MHz_QPSK_RB 1,#RB 5,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.68425G	-42.39	-13.00	-29.39	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-27.18	-13.00	-14.18	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-30.48	-13.00	-17.48	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85491G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **CSE-TX-Port**

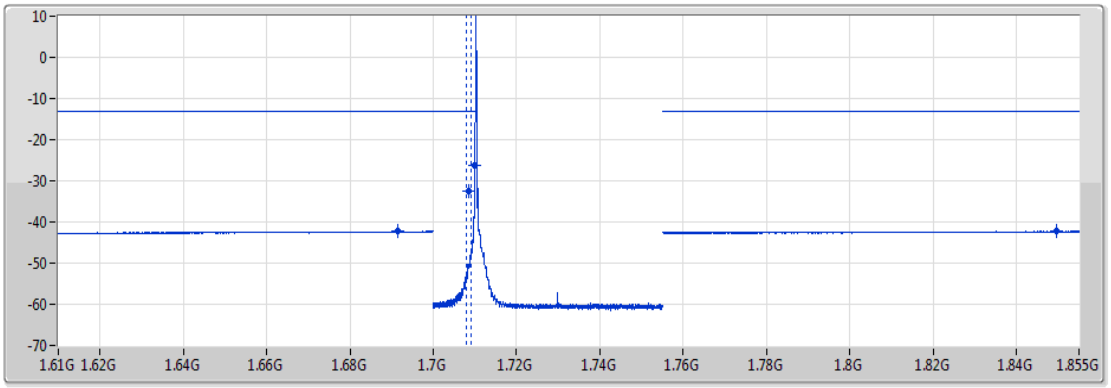
1754.3MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6748G	-42.41	-13.00	-29.41	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-33.21	-13.00	-20.21	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-30.06	-13.00	-17.06	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85298G	-42.27	-13.00	-29.27	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

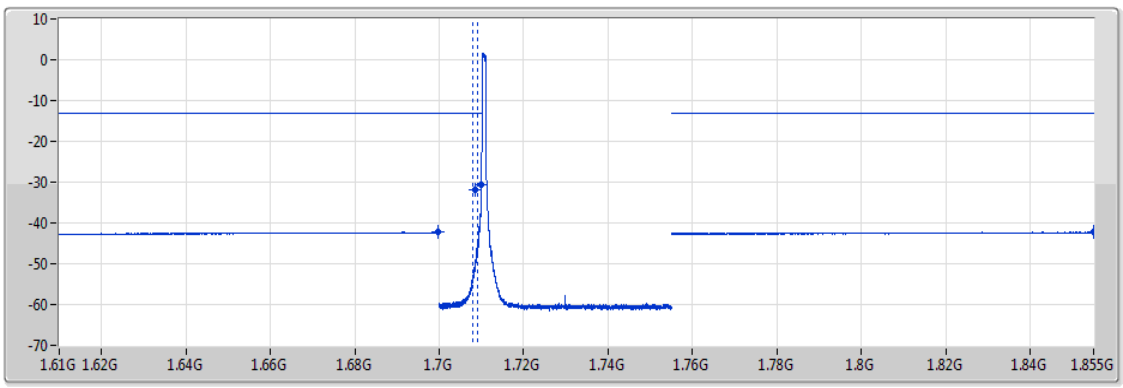
1710.7MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69154G	-42.06	-13.00	-29.06	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-32.47	-13.00	-19.47	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-26.23	-13.00	-13.23	1	-
1.755G	1.855G	1M	3M	RMS	1.84955G	-42.27	-13.00	-29.27	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

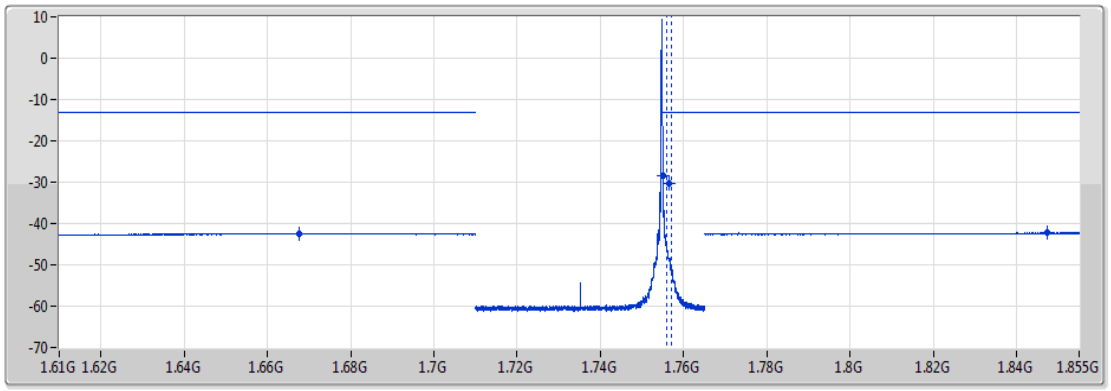
1710.7MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69969G	-42.29	-13.00	-29.29	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-31.79	-13.00	-18.79	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-30.72	-13.00	-17.72	1	-
1.755G	1.855G	1M	3M	RMS	1.8549G	-42.28	-13.00	-29.28	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

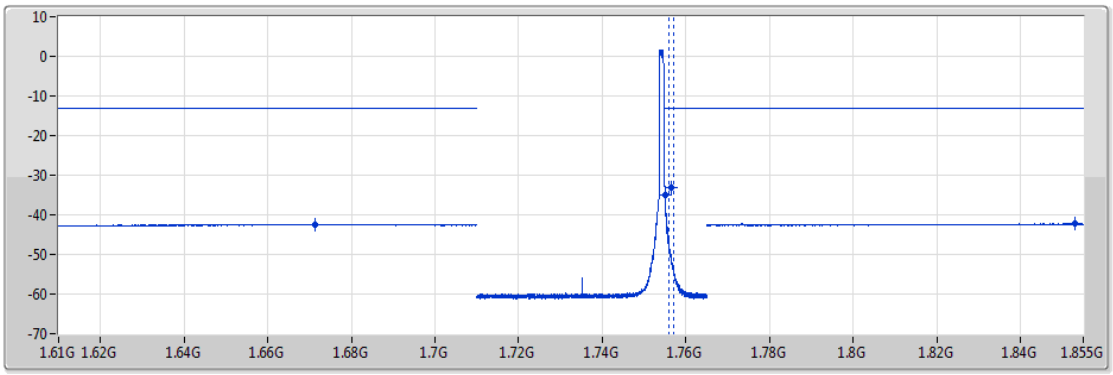
1754.3MHz_16QAM_RB 1,#RB 5,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.66765G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-28.41	-13.00	-15.41	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-30.45	-13.00	-17.45	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.8474G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **CSE-TX-Port**

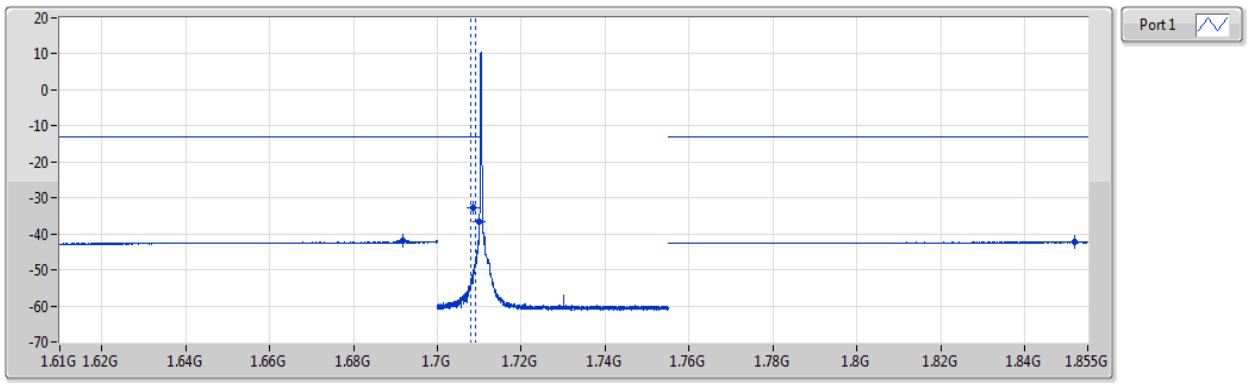
1754.3MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67135G	-42.39	-13.00	-29.39	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-34.93	-13.00	-21.93	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.04	-13.00	-20.04	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85307G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

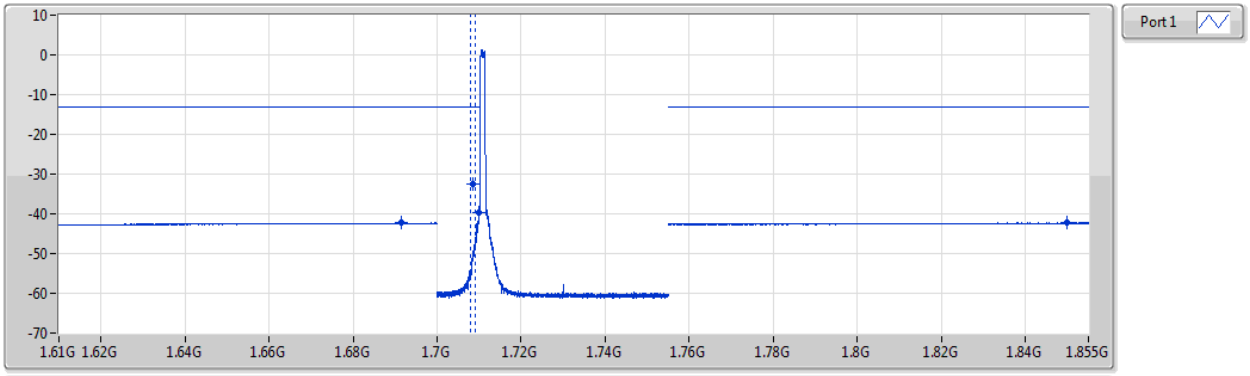
1711.5MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69163G	-41.92	-13.00	-28.92	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-32.83	-13.00	-19.83	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70998G	-36.54	-13.00	-23.54	1	-
1.755G	1.855G	1M	3M	RMS	1.85175G	-42.23	-13.00	-29.23	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

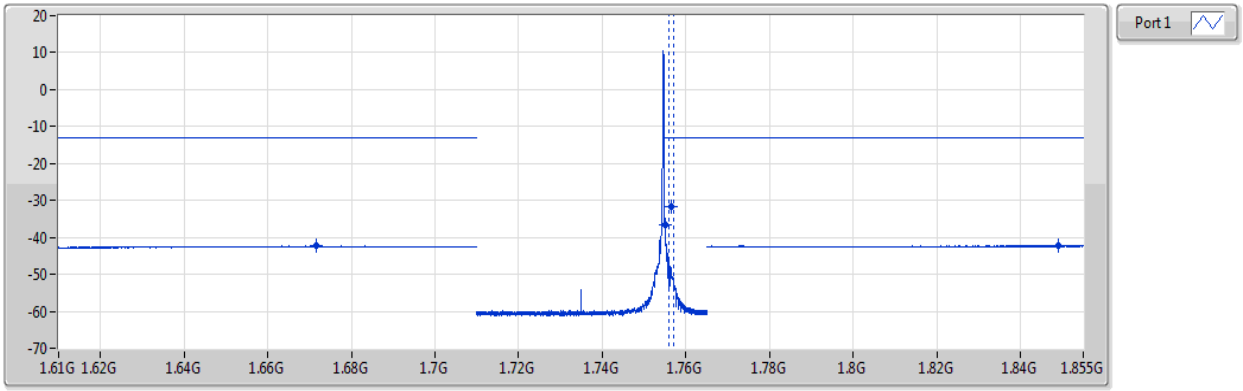
1711.5MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.6915G	-42.12	-13.00	-29.12	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-32.57	-13.00	-19.57	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70992G	-39.54	-13.00	-26.54	1	-
1.755G	1.855G	1M	3M	RMS	1.84985G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

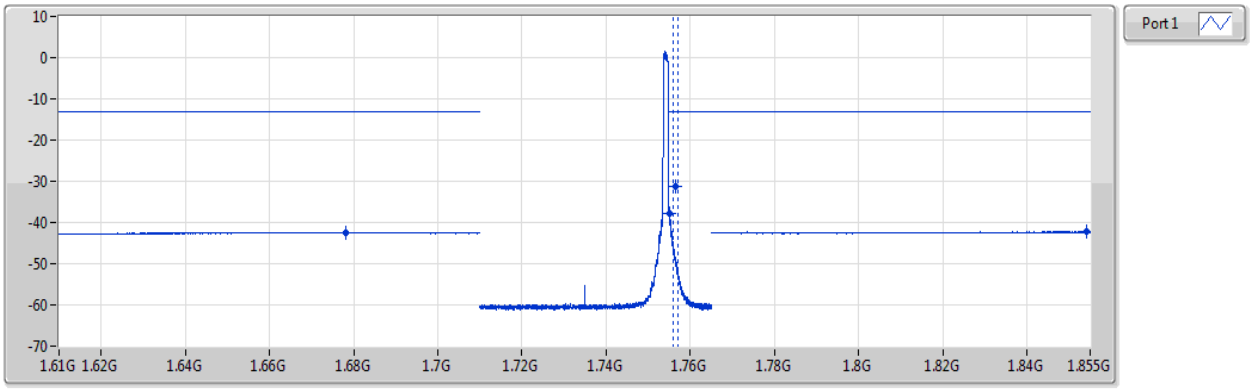
1753.5MHz_QPSK_RB 1,#RB 5,NB 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67165G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.75503G	-36.58	-13.00	-23.58	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-31.51	-13.00	-18.51	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.84897G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **CSE-TX-Port**

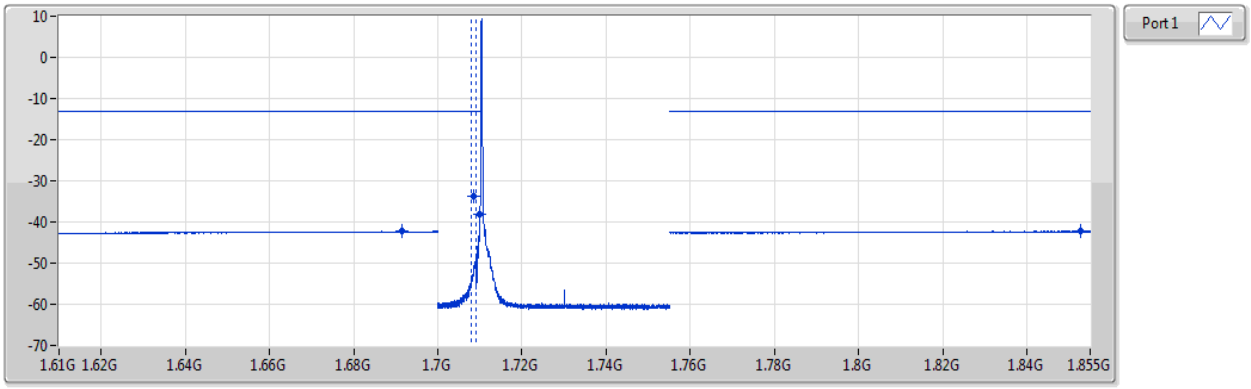
1753.5MHz_QPSK_RB 6,#RB 0,NB 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67815G	-42.40	-13.00	-29.40	1	-
1.755G	1.756G	15k	47k	RMS	1.7551G	-37.85	-13.00	-24.85	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-31.18	-13.00	-18.18	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85406G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

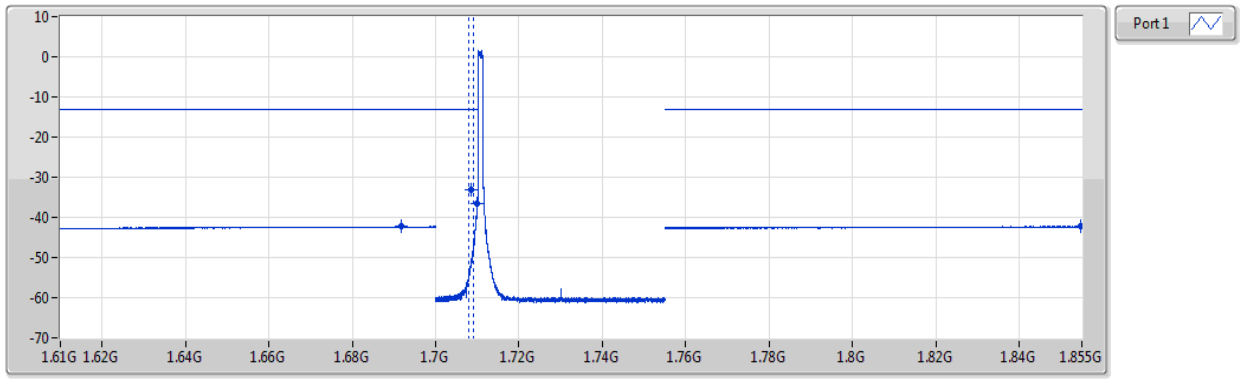
1711.5MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69154G	-42.12	-13.00	-29.12	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-33.68	-13.00	-20.68	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-38.04	-13.00	-25.04	1	-
1.755G	1.855G	1M	3M	RMS	1.85285G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

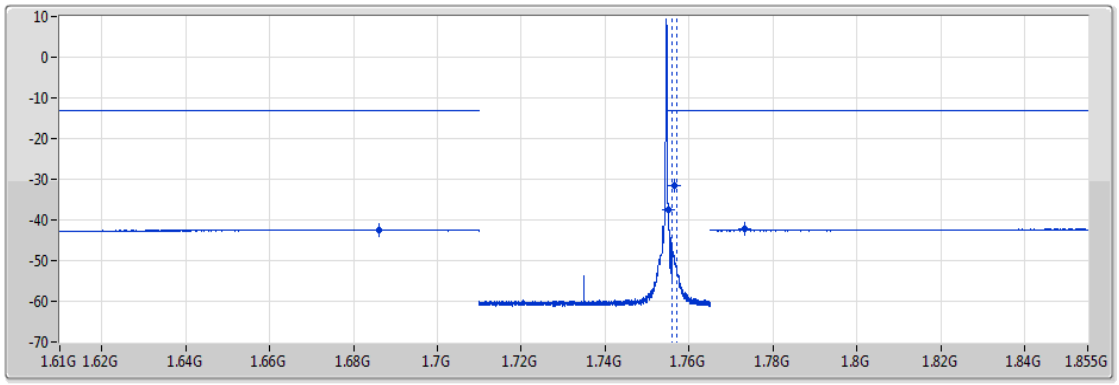
1711.5MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69168G	-42.07	-13.00	-29.07	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-33.17	-13.00	-20.17	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70997G	-36.58	-13.00	-23.58	1	-
1.755G	1.855G	1M	3M	RMS	1.85465G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

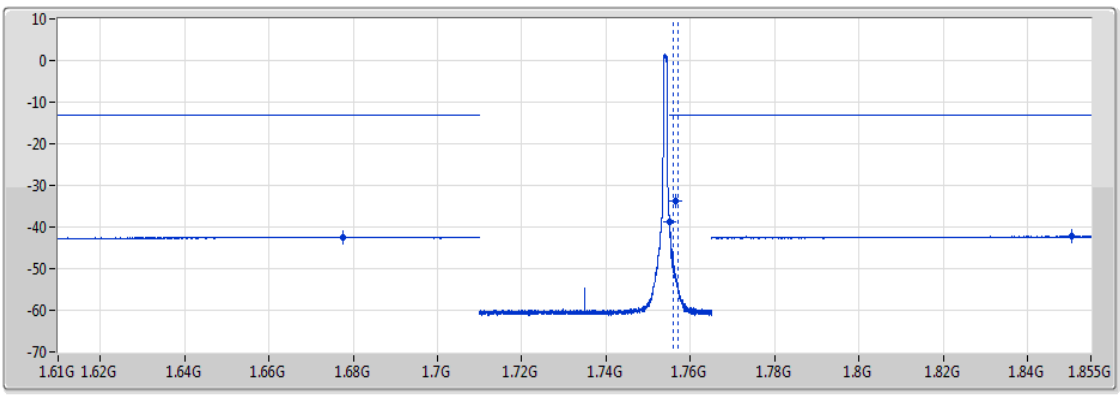
1753.5MHz_16QAM_RB 1,#RB 5,NB 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.68595G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.75501G	-37.57	-13.00	-24.57	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-31.60	-13.00	-18.60	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77337G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **CSE-TX-Port**

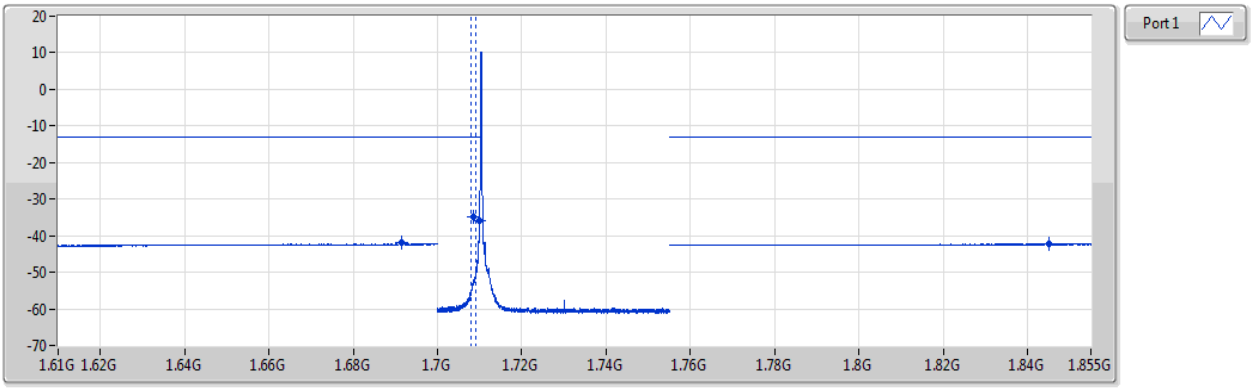
1753.5MHz_16QAM_RB 5,#RB 0,NB 1



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6775G	-42.39	-13.00	-29.39	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-38.73	-13.00	-25.73	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.86	-13.00	-20.86	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85037G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

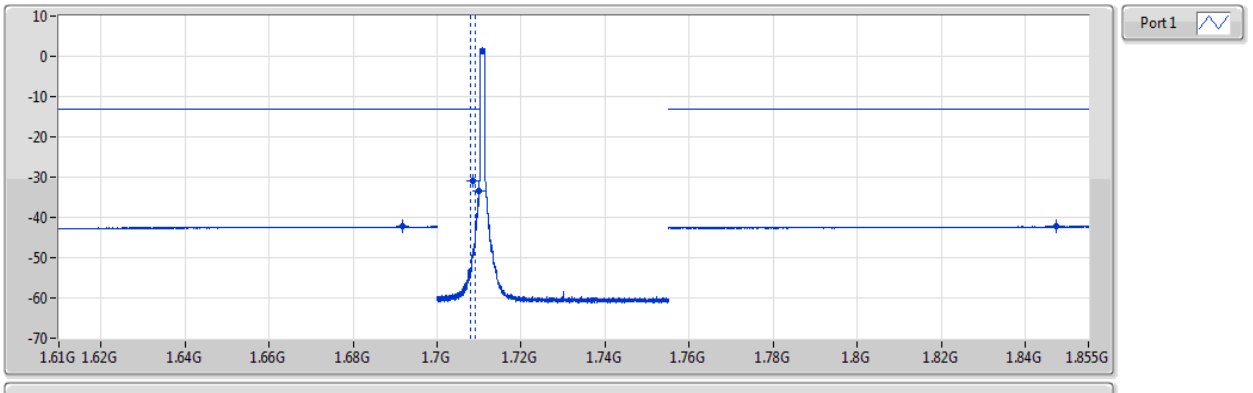
1712.5MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69136G	-41.99	-13.00	-28.99	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-34.92	-13.00	-21.92	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-35.81	-13.00	-22.81	1	-
1.755G	1.855G	1M	3M	RMS	1.8451G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

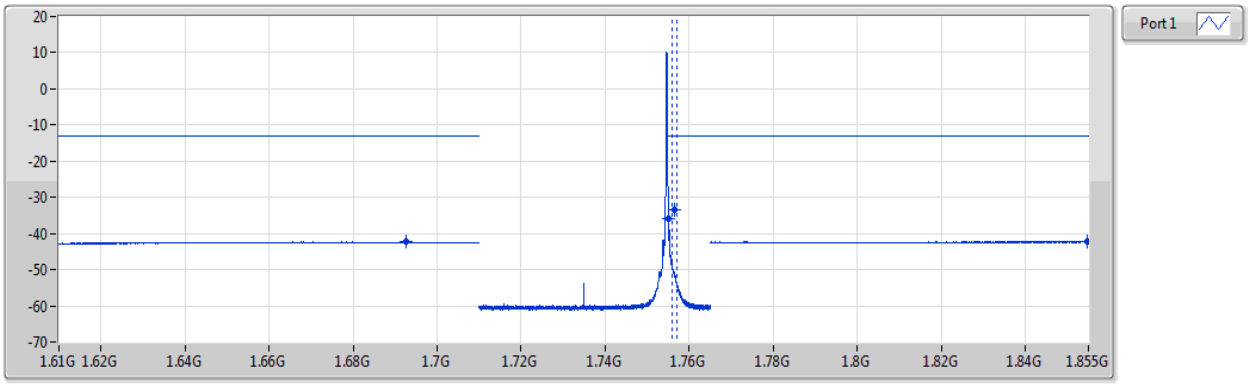
1712.5MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69177G	-42.04	-13.00	-29.04	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-31.09	-13.00	-18.09	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-33.34	-13.00	-20.34	1	-
1.755G	1.855G	1M	3M	RMS	1.8473G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

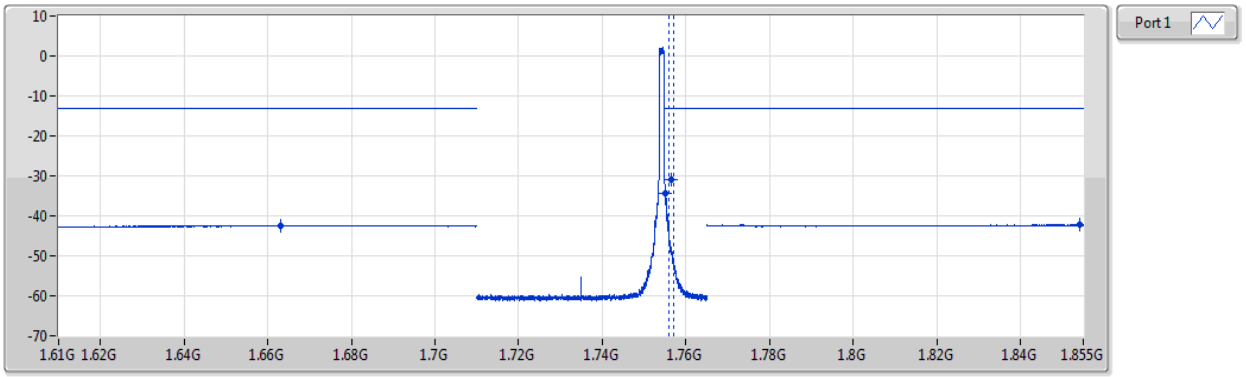
1752.5MHz_QPSK_RB 1,#RB 5,NB 3



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6926G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.75505G	-36.05	-13.00	-23.05	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.46	-13.00	-20.46	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.8546G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **CSE-TX-Port**

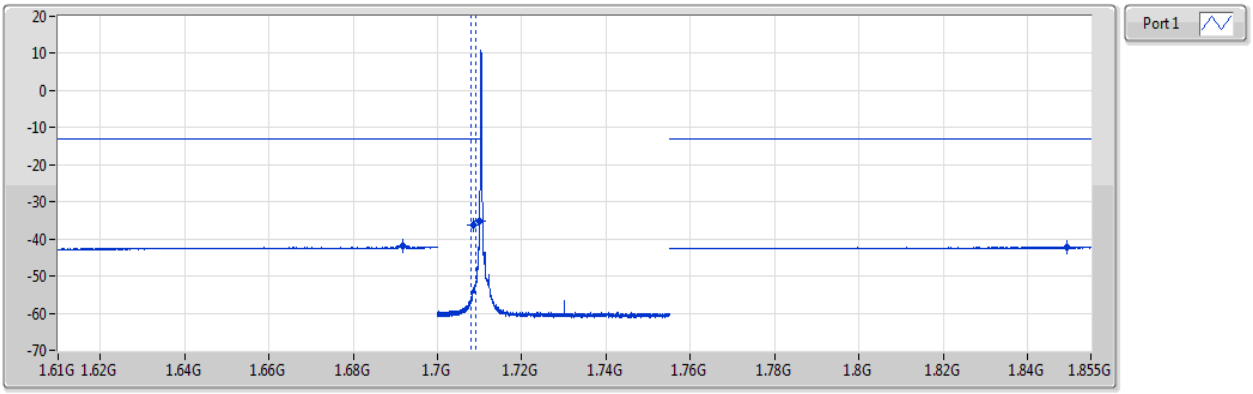
1752.5MHz_QPSK_RB 6,#RB 0,NB 3



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.66295G	-42.36	-13.00	-29.36	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-34.47	-13.00	-21.47	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-30.82	-13.00	-17.82	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85401G	-42.27	-13.00	-29.27	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

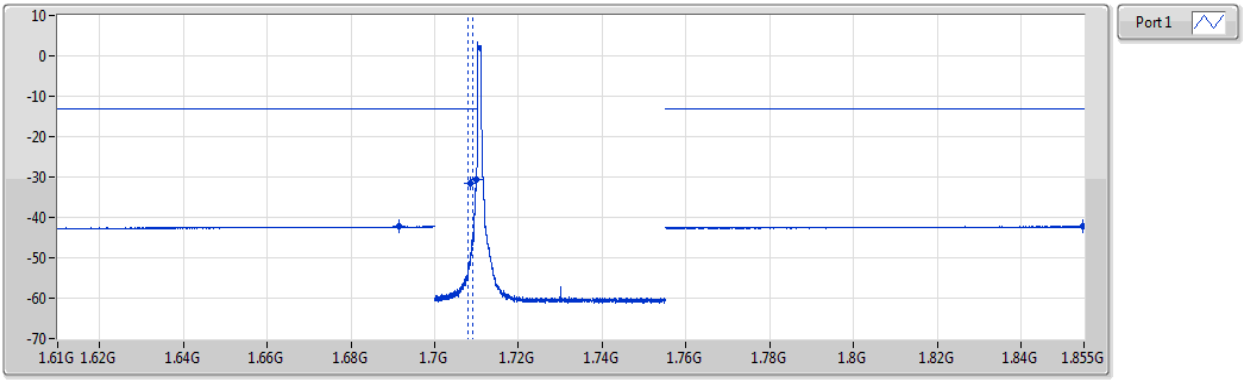
1712.5MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69172G	-41.77	-13.00	-28.77	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-36.34	-13.00	-23.34	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-35.21	-13.00	-22.21	1	-
1.755G	1.855G	1M	3M	RMS	1.84935G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

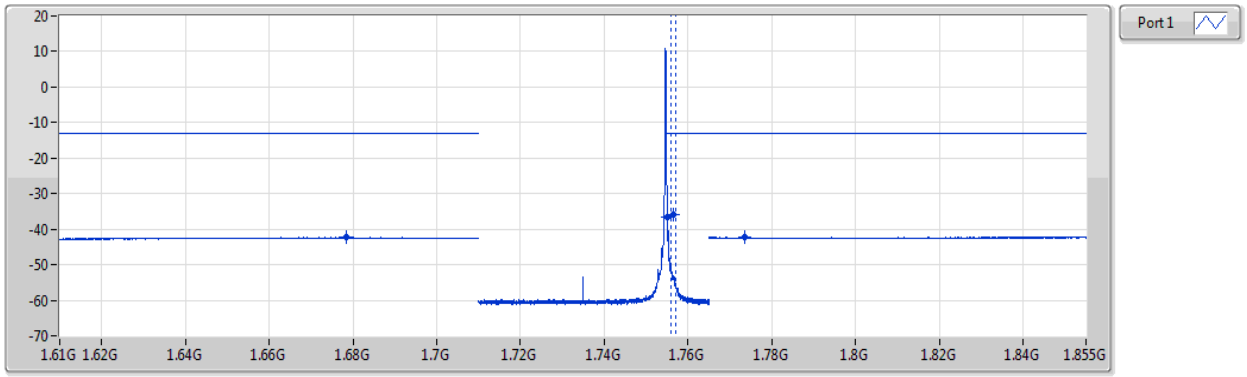
1712.5MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69159G	-42.04	-13.00	-29.04	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-31.53	-13.00	-18.53	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-30.47	-13.00	-17.47	1	-
1.755G	1.855G	1M	3M	RMS	1.8548G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

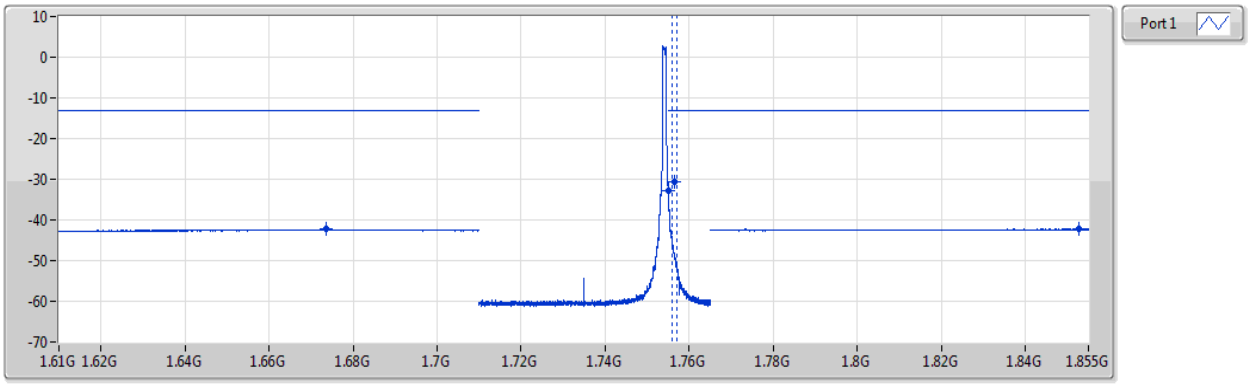
1752.5MHz_16QAM_RB 1,#RB 5,NB 3



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6783G	-42.34	-13.00	-29.34	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-36.49	-13.00	-23.49	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-35.89	-13.00	-22.89	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77355G	-42.16	-13.00	-29.16	1	-

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **CSE-TX-Port**

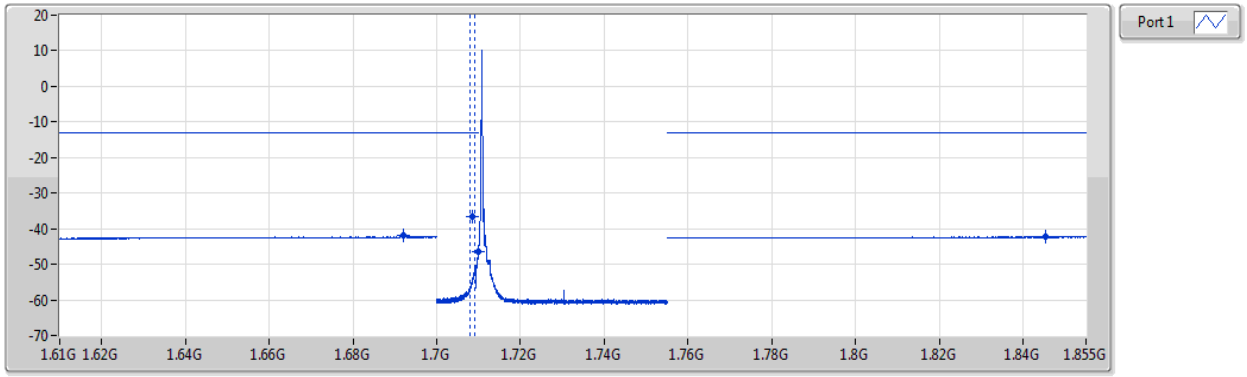
1752.5MHz_16QAM_RB 5,#RB 0,NB 3



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67355G	-42.34	-13.00	-29.34	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-32.88	-13.00	-19.88	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-30.62	-13.00	-17.62	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85275G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

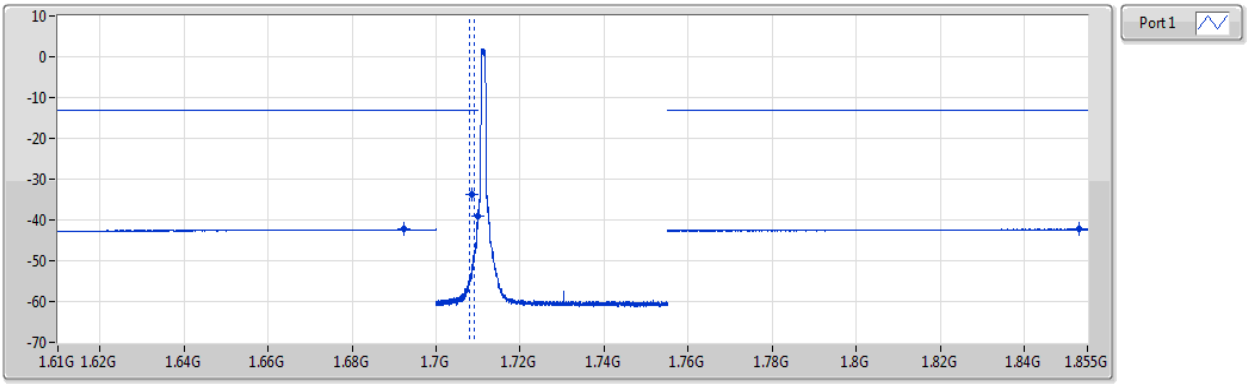
1715MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69217G	-42.01	-13.00	-29.01	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-36.63	-13.00	-23.63	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-46.28	-13.00	-33.28	1	-
1.755G	1.855G	1M	3M	RMS	1.8454G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

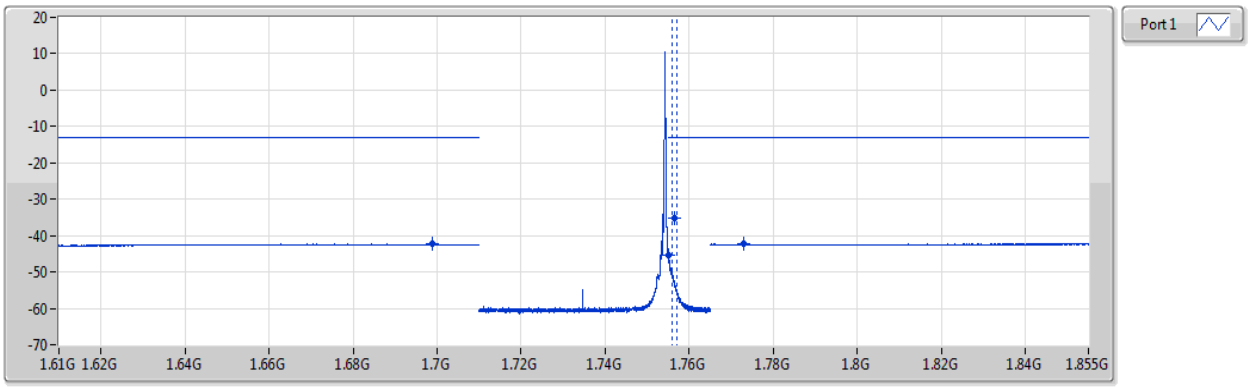
1715MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69222G	-42.20	-13.00	-29.20	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-33.80	-13.00	-20.80	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70999G	-39.18	-13.00	-26.18	1	-
1.755G	1.855G	1M	3M	RMS	1.8531G	-42.27	-13.00	-29.27	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

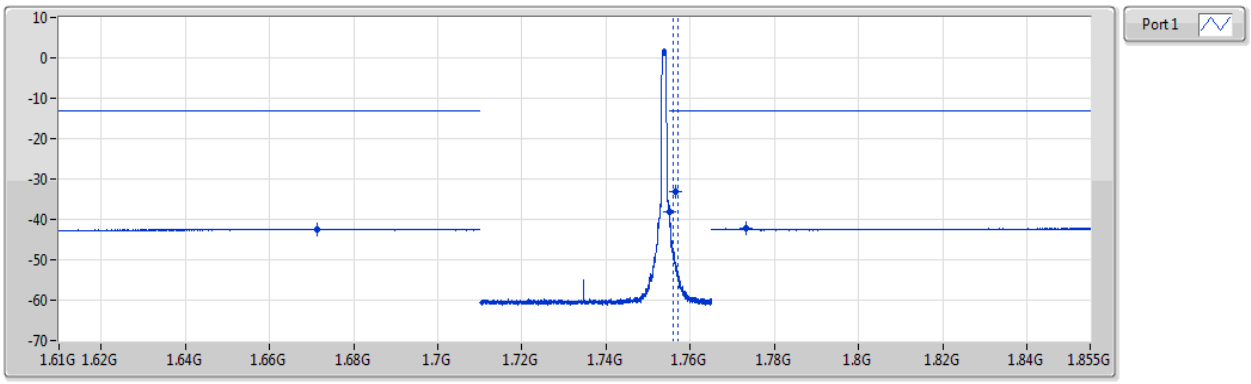
1750MHz_QPSK_RB 1,#RB 5,NB 7



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6989G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-45.39	-13.00	-32.39	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-35.13	-13.00	-22.13	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77297G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **CSE-TX-Port**

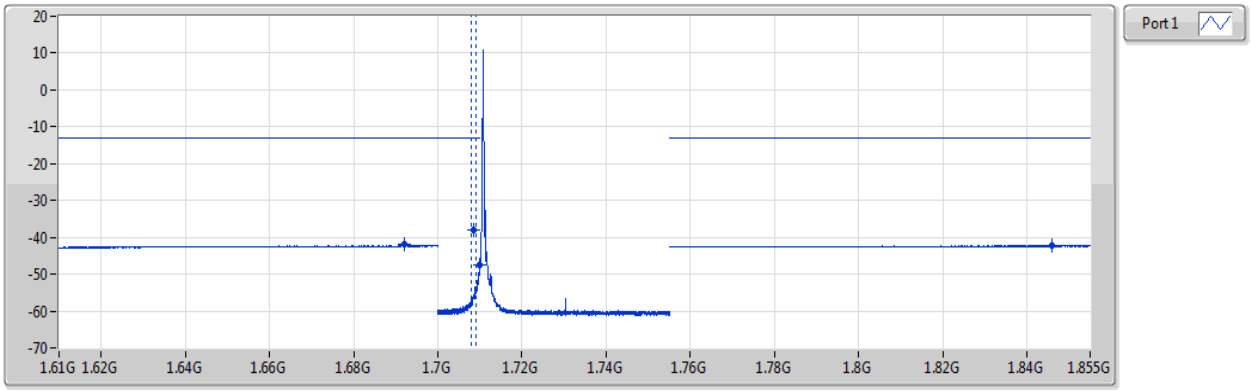
1750MHz_QPSK_RB 6,#RB 0,NB 7



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6713G	-42.35	-13.00	-29.35	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-38.24	-13.00	-25.24	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.12	-13.00	-20.12	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.7731G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

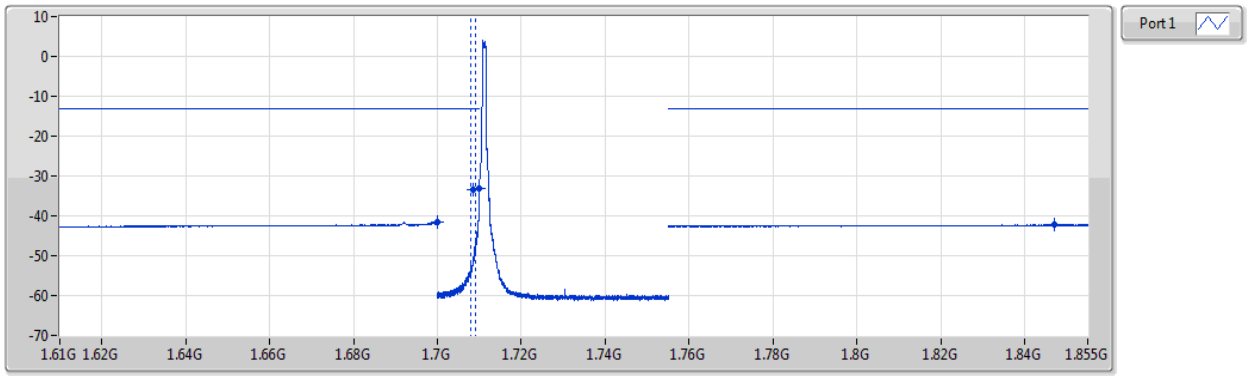
1715MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69195G	-41.76	-13.00	-28.76	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-37.94	-13.00	-24.94	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70999G	-47.38	-13.00	-34.38	1	-
1.755G	1.855G	1M	3M	RMS	1.84585G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

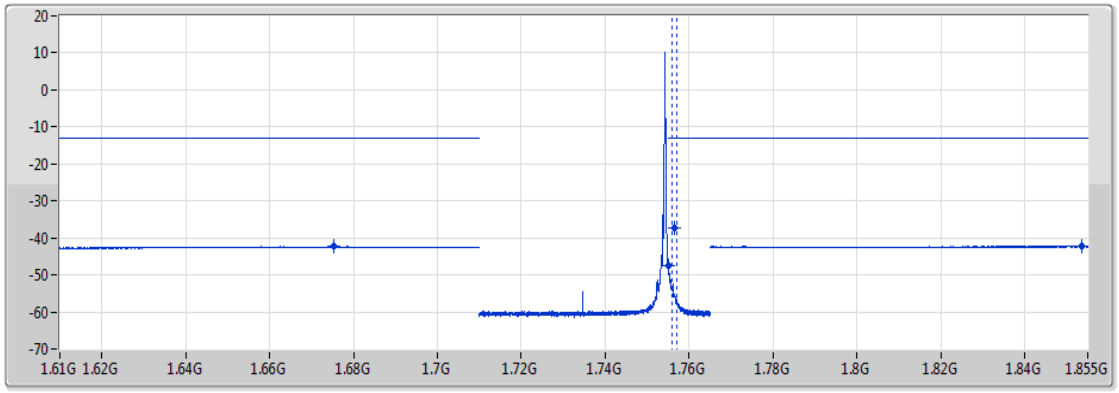
1715MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69991G	-41.58	-13.00	-28.58	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-33.29	-13.00	-20.29	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-33.04	-13.00	-20.04	1	-
1.755G	1.855G	1M	3M	RMS	1.84715G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

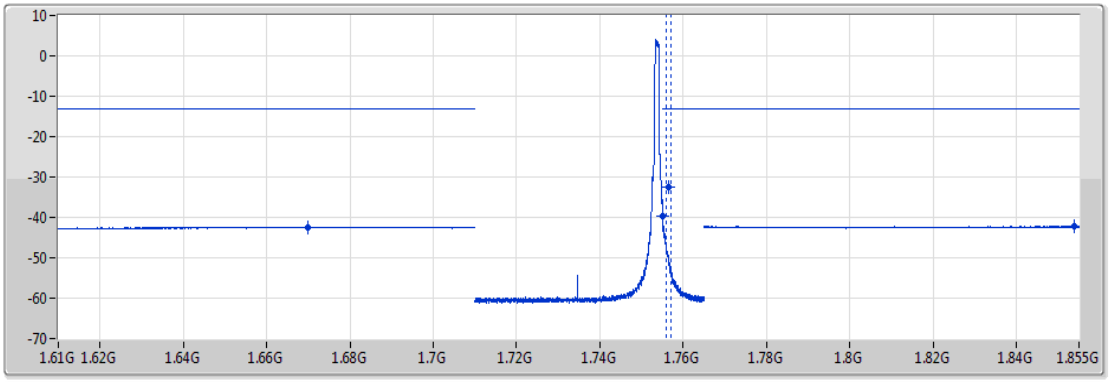
1750MHz_16QAM_RB 1,#RB 5,NB 7



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67525G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.75501G	-47.52	-13.00	-34.52	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-37.38	-13.00	-24.38	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85356G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **CSE-TX-Port**

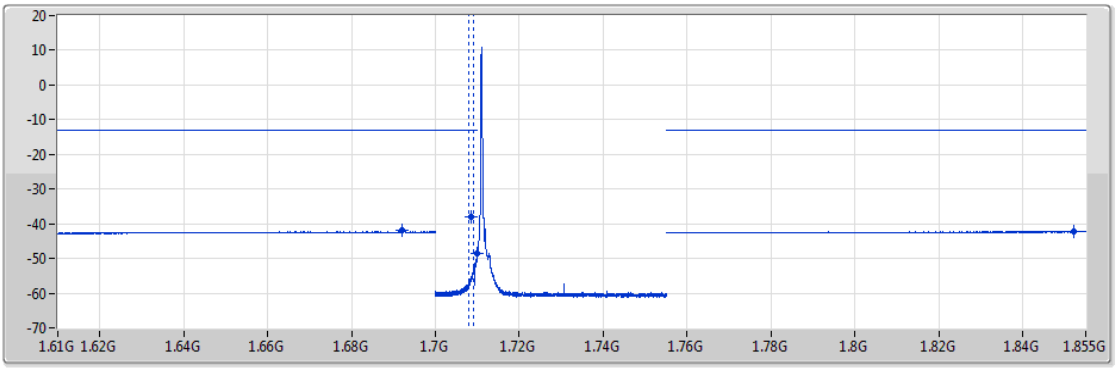
1750MHz_16QAM_RB 5,#RB 0,NB 7



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67G	-42.35	-13.00	-29.35	1	-
1.755G	1.756G	15k	47k	RMS	1.75502G	-39.54	-13.00	-26.54	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-32.51	-13.00	-19.51	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85379G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

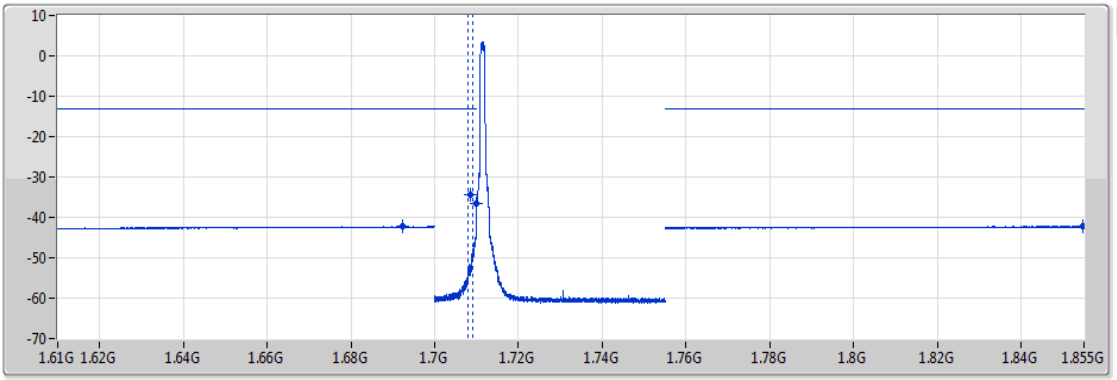
1717.5MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69199G	-42.04	-13.00	-29.04	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-37.85	-13.00	-24.85	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-48.59	-13.00	-35.59	1	-
1.755G	1.855G	1M	3M	RMS	1.8522G	-42.20	-13.00	-29.20	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

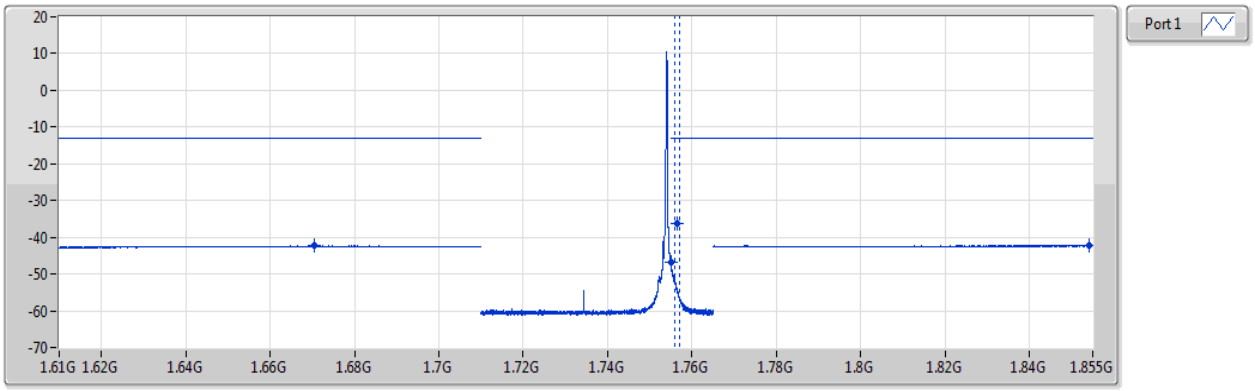
1717.5MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69231G	-42.04	-13.00	-29.04	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-34.24	-13.00	-21.24	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-36.61	-13.00	-23.61	1	-
1.755G	1.855G	1M	3M	RMS	1.85485G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

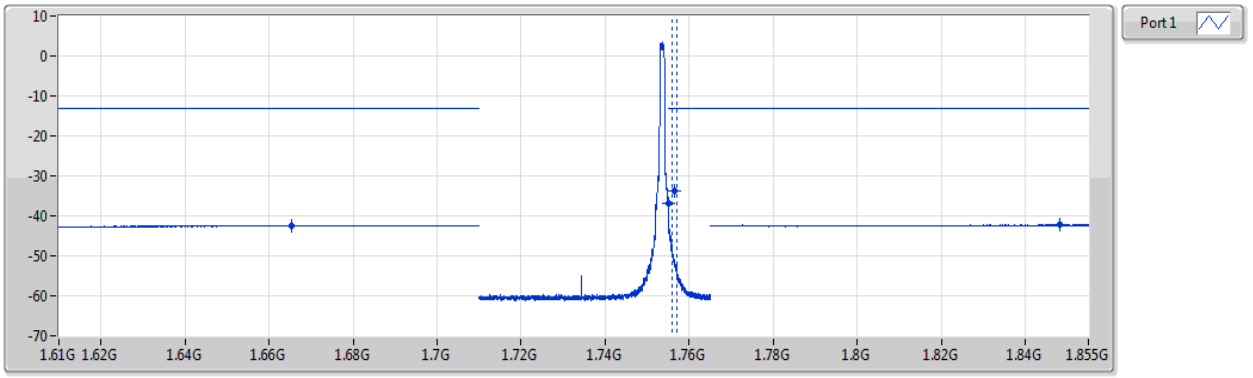
1747.5MHz_QPSK_RB 1,#RB 5,NB 11



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.67035G	-42.38	-13.00	-29.38	1	-
1.755G	1.756G	15k	47k	RMS	1.75504G	-46.90	-13.00	-33.90	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-36.37	-13.00	-23.37	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.8541G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **CSE-TX-Port**

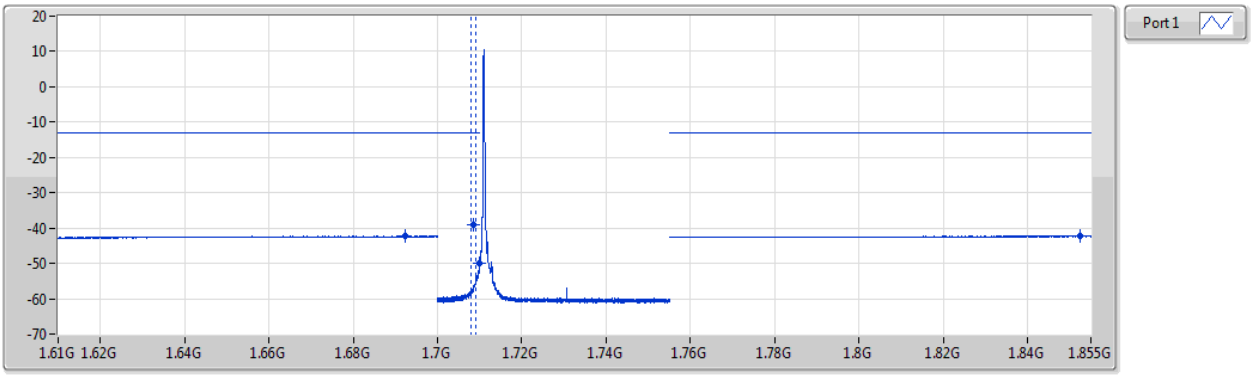
1747.5MHz_QPSK_RB 6,#RB 0,NB 11



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6654G	-42.35	-13.00	-29.35	1	-
1.755G	1.756G	15k	47k	RMS	1.75502G	-36.91	-13.00	-23.91	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.61	-13.00	-20.61	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.84821G	-42.23	-13.00	-29.23	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

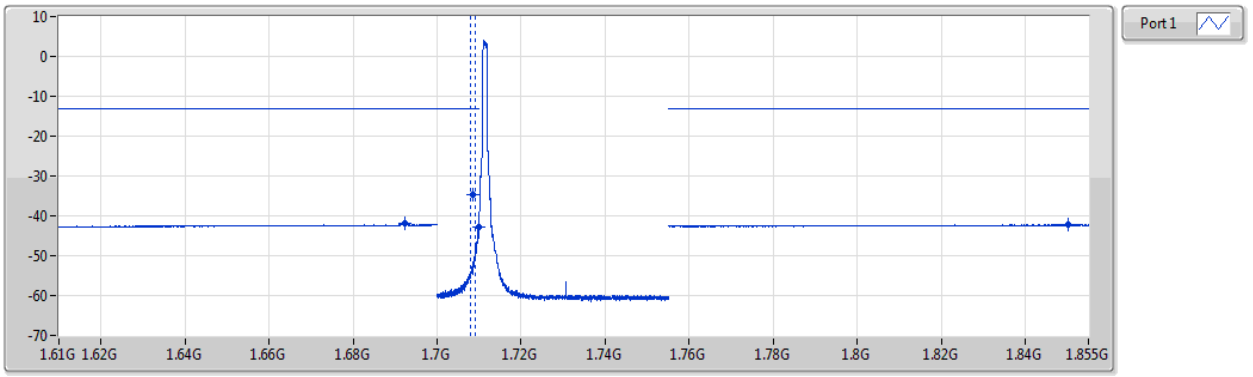
1717.5MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69231G	-42.06	-13.00	-29.06	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-38.97	-13.00	-25.97	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-50.07	-13.00	-37.07	1	-
1.755G	1.855G	1M	3M	RMS	1.85235G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

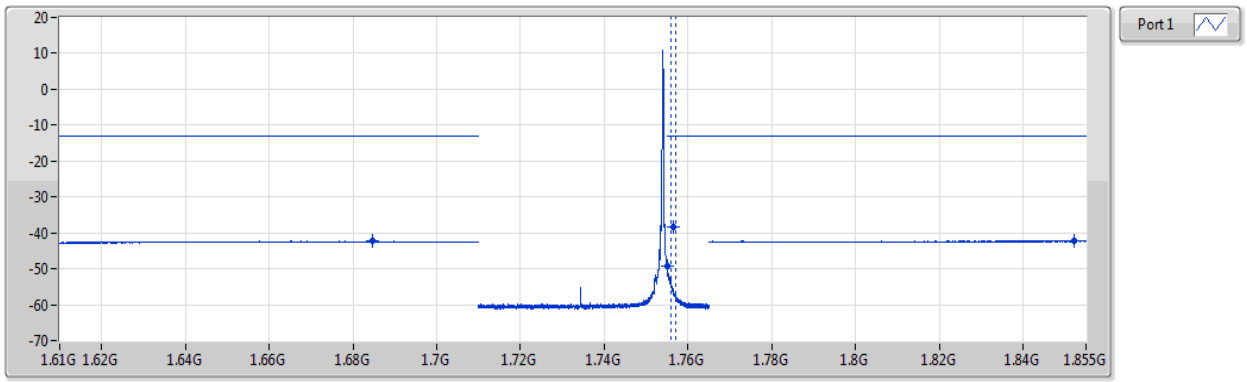
1717.5MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69231G	-41.80	-13.00	-28.80	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-34.65	-13.00	-21.65	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70996G	-42.87	-13.00	-29.87	1	-
1.755G	1.855G	1M	3M	RMS	1.8501G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

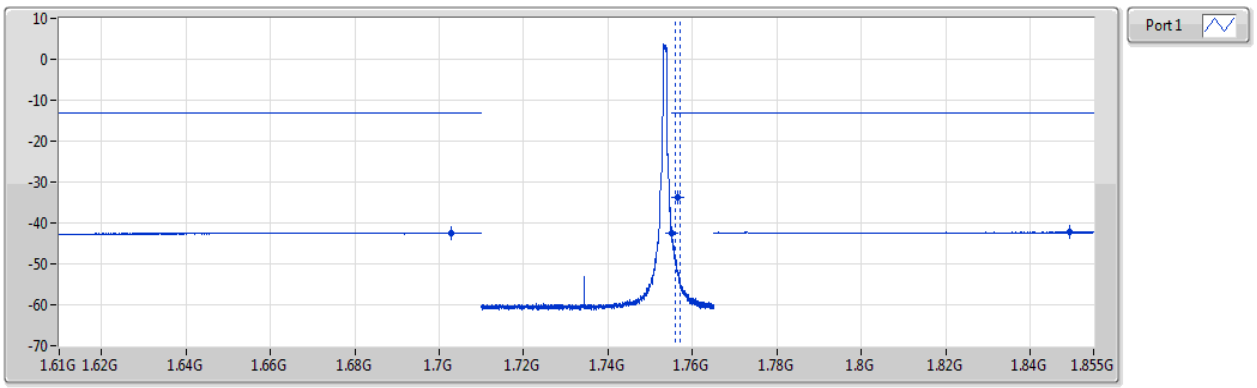
1747.5MHz_16QAM_RB 1,#RB 5,NB 11



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6846G	-42.36	-13.00	-29.36	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-49.43	-13.00	-36.43	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-38.39	-13.00	-25.39	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.8523G	-42.26	-13.00	-29.26	1	-

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **CSE-TX-Port**

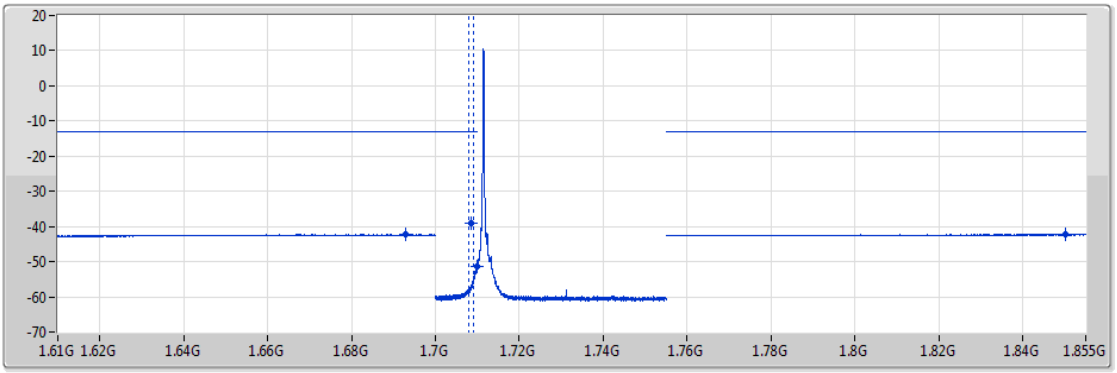
1747.5MHz_16QAM_RB 5,#RB 0,NB 11



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.7027G	-42.35	-13.00	-29.35	1	-
1.755G	1.756G	15k	47k	RMS	1.75504G	-42.46	-13.00	-29.46	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-33.82	-13.00	-20.82	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.84942G	-42.22	-13.00	-29.22	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

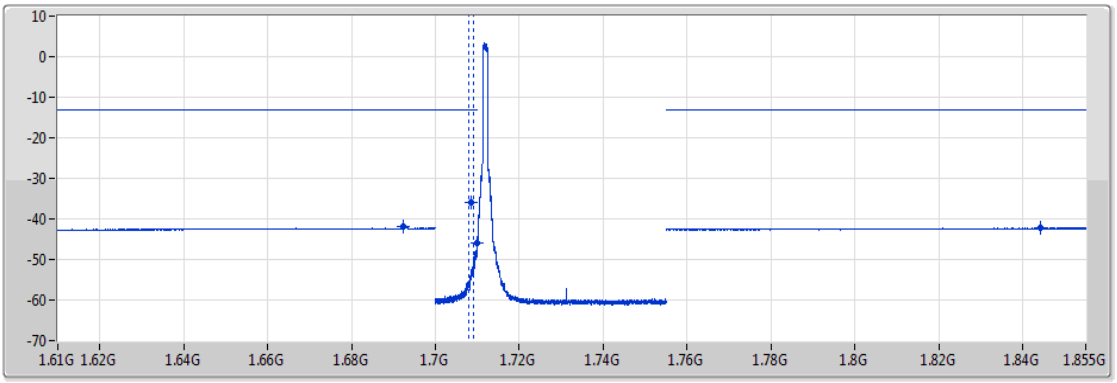
1720MHz_QPSK_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.6928G	-42.25	-13.00	-29.25	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-39.18	-13.00	-26.18	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70995G	-51.50	-13.00	-38.50	1	-
1.755G	1.855G	1M	3M	RMS	1.85005G	-42.19	-13.00	-29.19	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

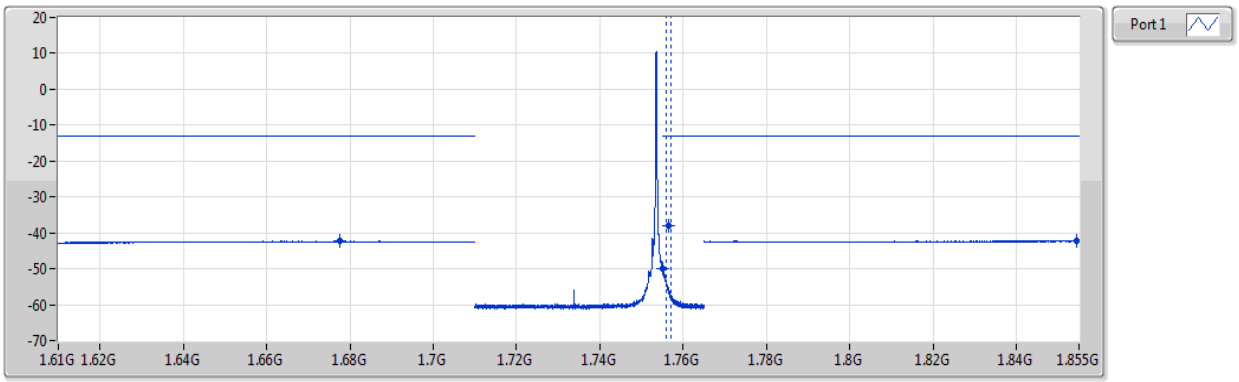
1720MHz_QPSK_RB 6,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69244G	-41.98	-13.00	-28.98	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-36.02	-13.00	-23.02	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70999G	-45.90	-13.00	-32.90	1	-
1.755G	1.855G	1M	3M	RMS	1.8442G	-42.23	-13.00	-29.23	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

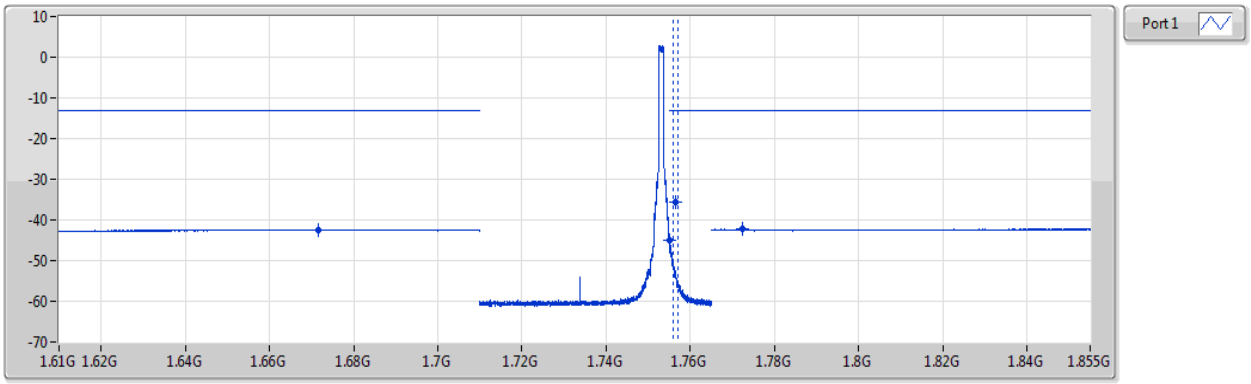
1745MHz_QPSK_RB 1,#RB 5,NB 15



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6777G	-42.32	-13.00	-29.32	1	-
1.755G	1.756G	15k	47k	RMS	1.75501G	-49.88	-13.00	-36.88	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-38.04	-13.00	-25.04	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.85433G	-42.24	-13.00	-29.24	1	-

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **CSE-TX-Port**

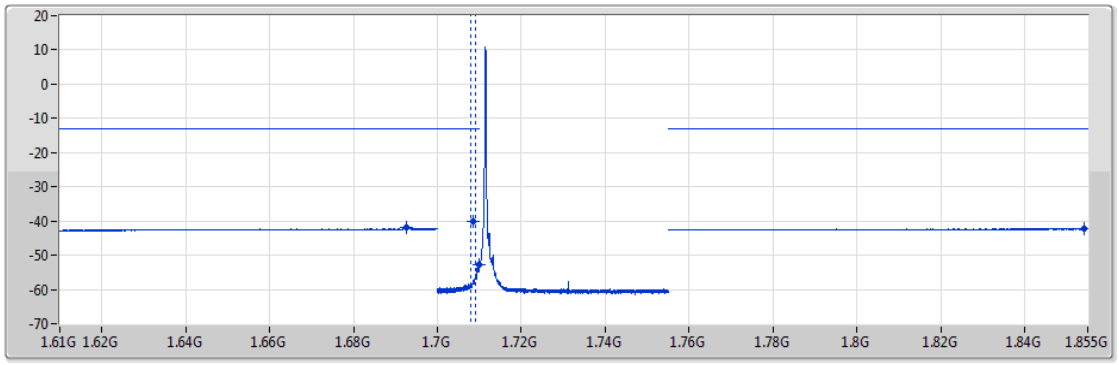
1745MHz_QPSK_RB 6,#RB 0,NB 15



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.6715G	-42.36	-13.00	-29.36	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-45.10	-13.00	-32.10	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-35.58	-13.00	-22.58	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77252G	-42.19	-13.00	-29.19	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

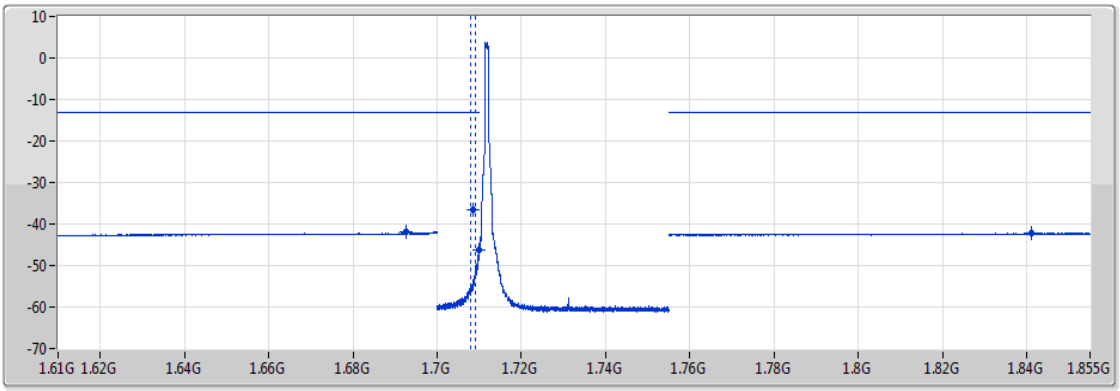
1720MHz_16QAM_RB 1,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69271G	-41.80	-13.00	-28.80	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-39.97	-13.00	-26.97	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.71G	-52.72	-13.00	-39.72	1	-
1.755G	1.855G	1M	3M	RMS	1.8541G	-42.21	-13.00	-29.21	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

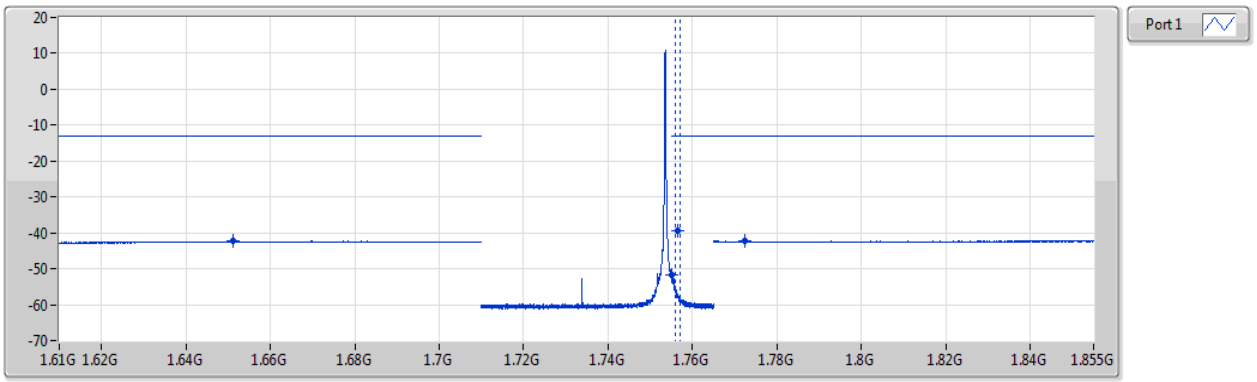
1720MHz_16QAM_RB 5,#RB 0,NB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.7G	1M	3M	RMS	1.69258G	-41.77	-13.00	-28.77	1	-
1.7G	1.709G	15k	47k	RMS	1.7085G	-36.46	-13.00	-23.46	1	MBW 1M
1.709G	1.71G	15k	47k	RMS	1.70994G	-46.20	-13.00	-33.20	1	-
1.755G	1.855G	1M	3M	RMS	1.84105G	-42.25	-13.00	-29.25	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

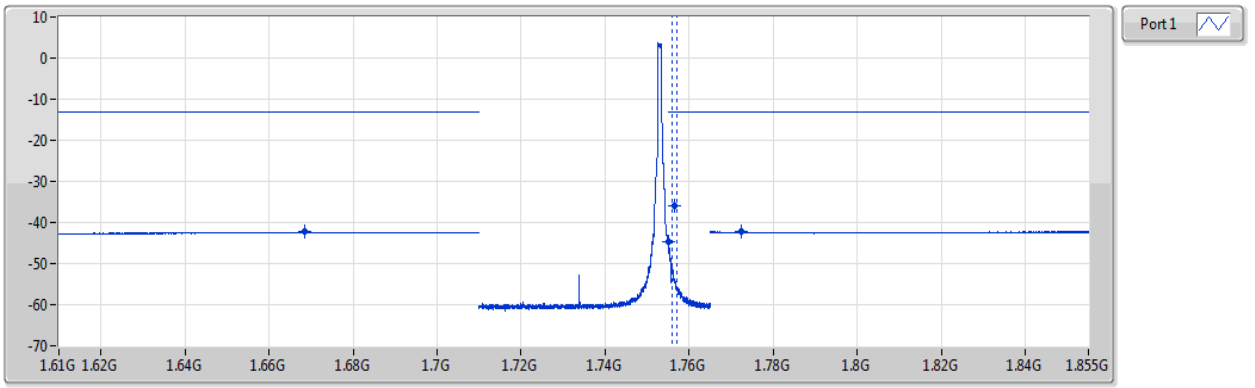
1745MHz_16QAM_RB 1,#RB 5,NB 15



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.65125G	-42.34	-13.00	-29.34	1	-
1.755G	1.756G	15k	47k	RMS	1.75502G	-51.78	-13.00	-38.78	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-39.48	-13.00	-26.48	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77225G	-42.13	-13.00	-29.13	1	-

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **CSE-TX-Port**

1745MHz_16QAM_RB 5,#RB 0,NB 15



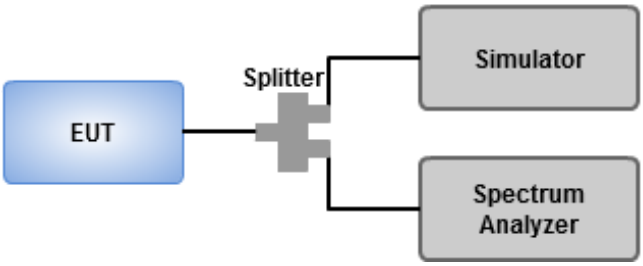
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
1.61G	1.71G	1M	3M	RMS	1.66855G	-42.34	-13.00	-29.34	1	-
1.755G	1.756G	15k	47k	RMS	1.755G	-44.84	-13.00	-31.84	1	-
1.756G	1.765G	15k	47k	RMS	1.7565G	-35.94	-13.00	-22.94	1	MBW 1M
1.765G	1.855G	1M	3M	RMS	1.77225G	-42.13	-13.00	-29.13	1	-

3.4 Occupied and 26 dB Bandwidth

3.4.1 Test Procedures

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

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26 dB Bandwidth

Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 4	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	1.239M	1.081M	1M08G7D	1.229M	1.074M
LTE-M1_1.4MHz_Nss1,16QAM_1TX	1.069M	907.864k	908KW7D	1.047M	903.09k
LTE-M1_3MHz_Nss1,QPSK_1TX	1.241M	1.079M	1M08G7D	1.223M	1.075M
LTE-M1_3MHz_Nss1,16QAM_1TX	1.069M	911.668k	912KW7D	1.065M	904.306k
LTE-M1_5MHz_Nss1,QPSK_1TX	1.275M	1.089M	1M09G7D	1.231M	1.086M
LTE-M1_5MHz_Nss1,16QAM_1TX	1.113M	912.264k	912KW7D	1.094M	910.083k
LTE-M1_10MHz_Nss1,QPSK_1TX	1.25M	1.092M	1M09G7D	1.225M	1.085M
LTE-M1_10MHz_Nss1,16QAM_1TX	1.213M	929.175k	929KW7D	1.113M	918.549k
LTE-M1_15MHz_Nss1,QPSK_1TX	1.294M	1.108M	1M11G7D	1.238M	1.098M
LTE-M1_15MHz_Nss1,16QAM_1TX	1.181M	928.56k	929KW7D	1.088M	927.193k
LTE-M1_20MHz_Nss1,QPSK_1TX	1.3M	1.109M	1M11G7D	1.275M	1.097M
LTE-M1_20MHz_Nss1,16QAM_1TX	1.15M	939.65k	940KW7D	1.125M	935.783k

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

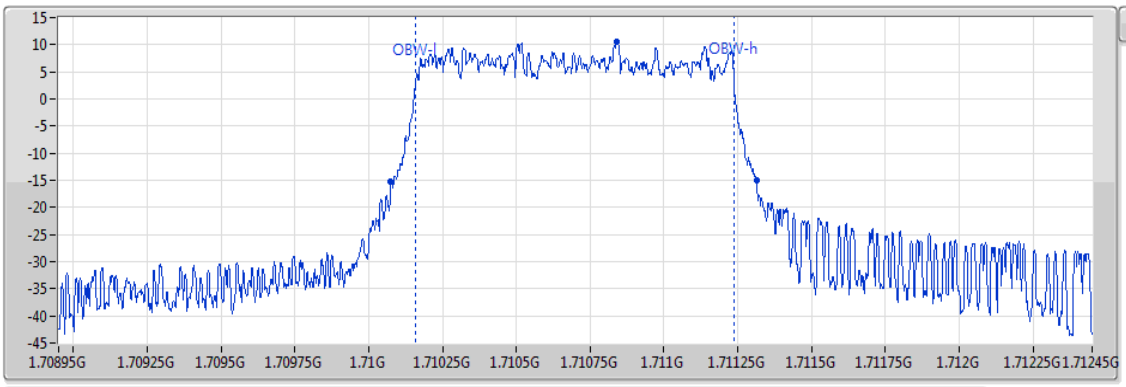
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 4_LTE-M1_1.4MHz_Nss1_1TX	-	-	-	-
1710.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.239M	1.075M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.23M	1.074M
1754.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.229M	1.081M
1710.7MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.069M	903.09k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.047M	906.253k
1754.3MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.064M	907.864k
Band 4_LTE-M1_3MHz_Nss1_1TX	-	-	-	-
1711.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.241M	1.079M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.23M	1.079M
1753.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	Inf	1.223M	1.075M
1711.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.065M	908.432k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.069M	911.668k
1753.5MHz_16QAM_RB 5,#RB 0,NB 1	Pass	Inf	1.069M	904.306k
Band 4_LTE-M1_5MHz_Nss1_1TX	-	-	-	-
1712.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.231M	1.089M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.275M	1.088M
1752.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	Inf	1.244M	1.086M
1712.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.094M	910.083k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.113M	910.444k
1752.5MHz_16QAM_RB 5,#RB 0,NB 3	Pass	Inf	1.094M	912.264k
Band 4_LTE-M1_10MHz_Nss1_1TX	-	-	-	-
1715MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.238M	1.085M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.225M	1.086M
1750MHz_QPSK_RB 6,#RB 0,NB 7	Pass	Inf	1.25M	1.092M
1715MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.15M	929.175k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.213M	923.521k
1750MHz_16QAM_RB 5,#RB 0,NB 7	Pass	Inf	1.113M	918.549k
Band 4_LTE-M1_15MHz_Nss1_1TX	-	-	-	-
1717.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.294M	1.098M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.275M	1.108M
1747.5MHz_QPSK_RB 6,#RB 0,NB 11	Pass	Inf	1.238M	1.098M
1717.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.088M	927.193k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.181M	928.385k
1747.5MHz_16QAM_RB 5,#RB 0,NB 11	Pass	Inf	1.144M	928.56k

Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 4_LTE-M1_20MHz_Nss1_1TX	-	-	-	-
1720MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.275M	1.097M
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	Inf	1.3M	1.105M
1745MHz_QPSK_RB 6,#RB 0,NB 15	Pass	Inf	1.275M	1.109M
1720MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.15M	935.926k
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	Inf	1.15M	935.783k
1745MHz_16QAM_RB 5,#RB 0,NB 15	Pass	Inf	1.125M	939.65k

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

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **EBW**

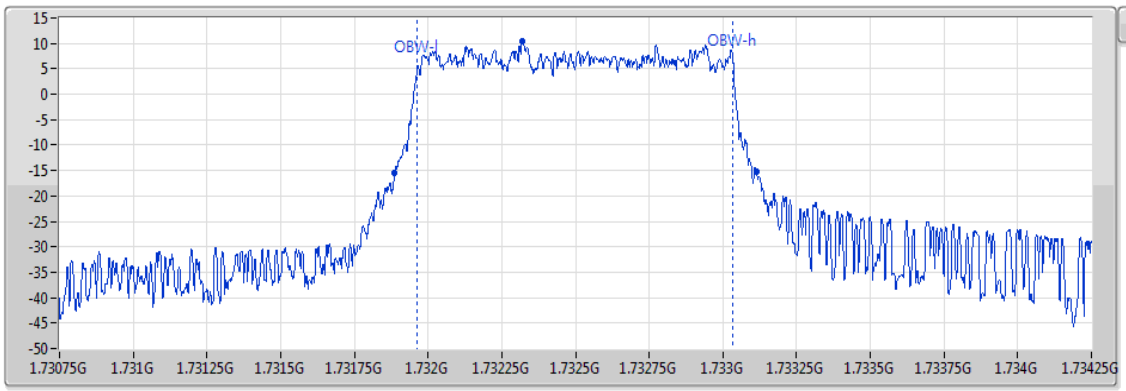
1710.7MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.239M	1.710075G	1.711314G	1.075M	1.710161G	1.711235G	1	1.7107G	3.5M	15k	47k

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **EBW**

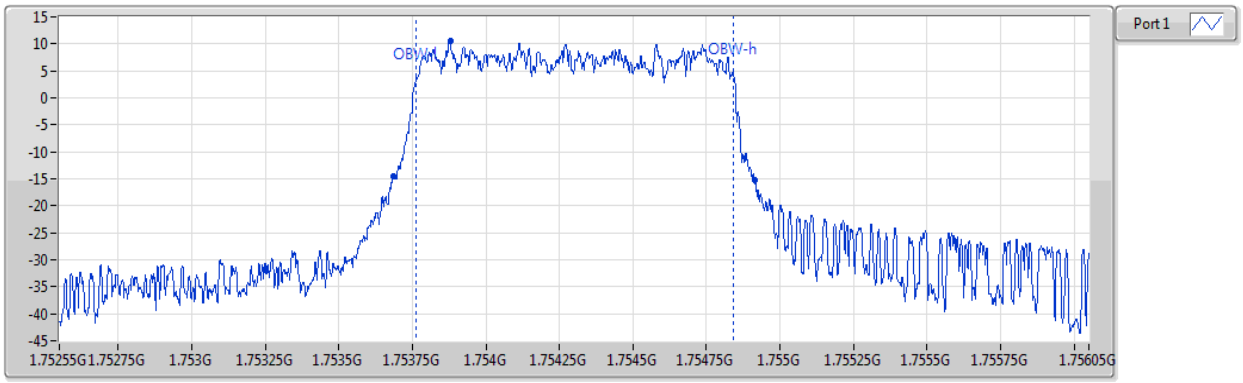
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.23M	1.731886G	1.733116G	1.074M	1.731961G	1.733035G	1	1.7325G	3.5M	15k	47k

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **EBW**

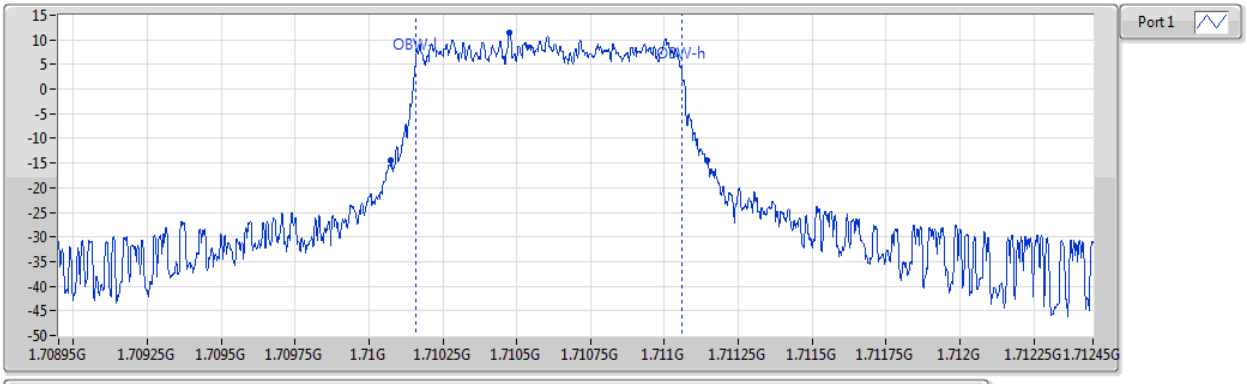
1754.3MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.229M	1.753684G	1.754913G	1.081M	1.753761G	1.754842G	1	1.7543G	3.5M	15k	47k

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **EBW**

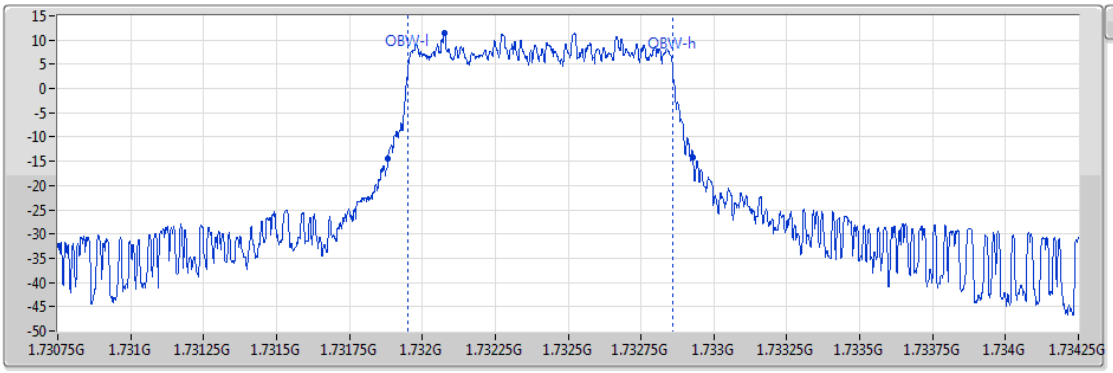
1710.7MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.069M	1.710074G	1.711143G	903.09k	1.710157G	1.71106G	1	1.7107G	3.5M	15k	47k

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **EBW**

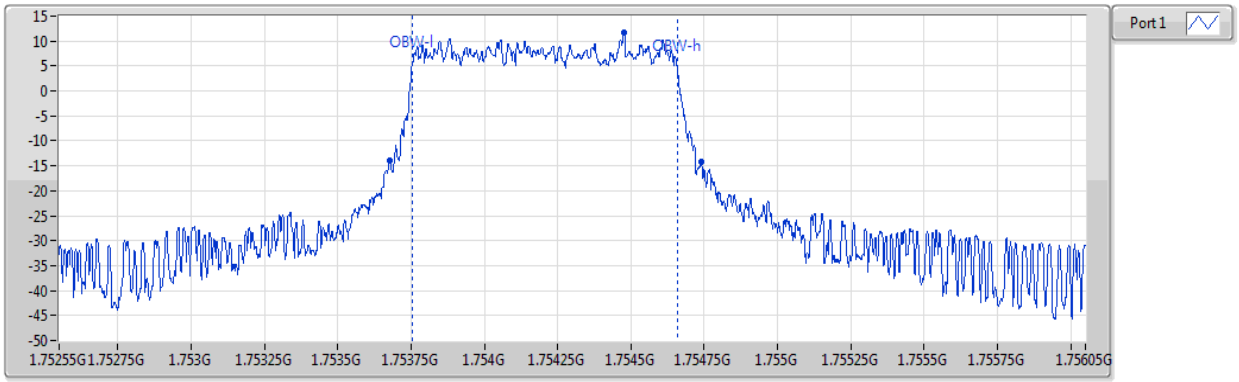
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.047M	1.731882G	1.732929G	906.253k	1.731952G	1.732858G	1	1.7325G	3.5M	15k	47k

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **EBW**

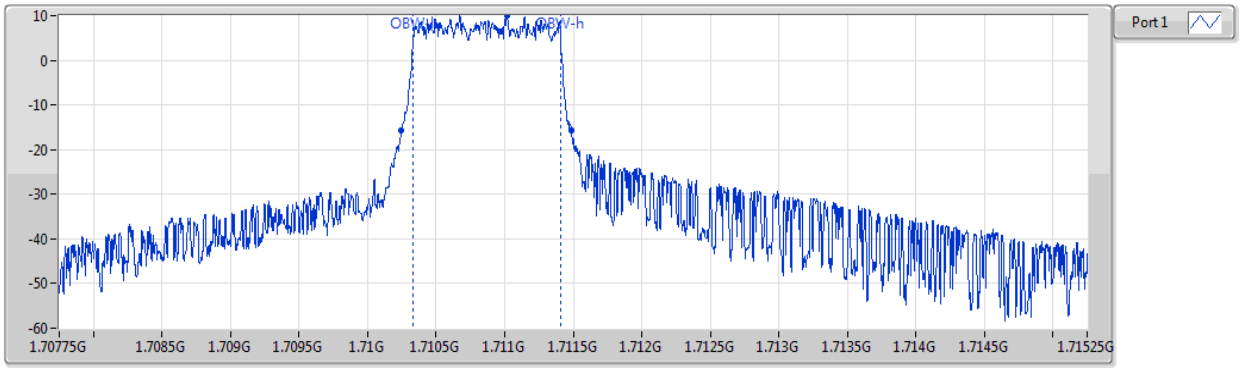
1754.3MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.064M	1.753677G	1.754741G	907.864k	1.753753G	1.754661G	1	1.7543G	3.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **EBW**

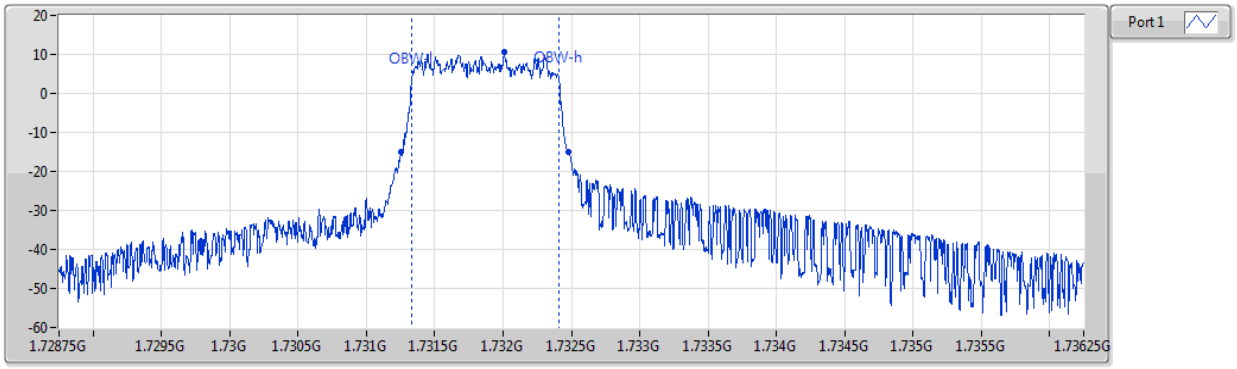
1711.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.241M	1.710248G	1.711489G	1.079M	1.710331G	1.71141G	1	1.7115G	7.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **EBW**

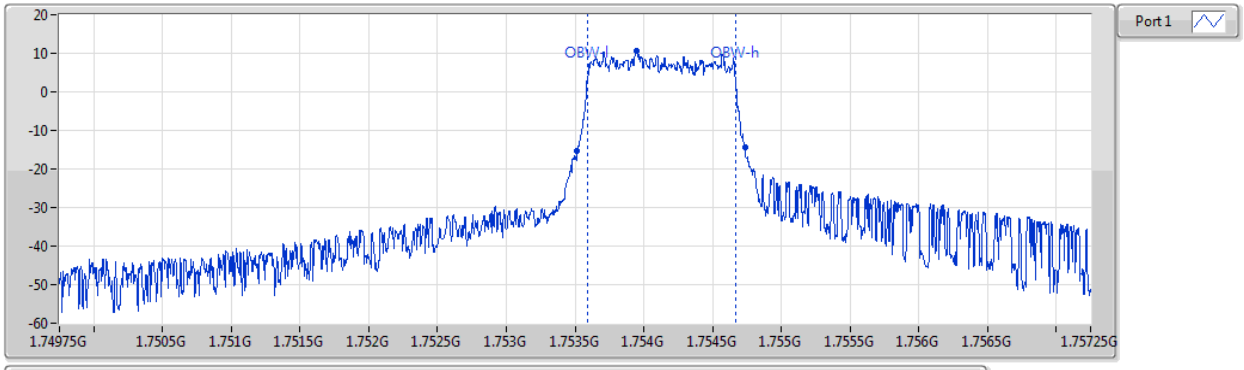
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.23M	1.731251G	1.732481G	1.079M	1.731332G	1.73241G	1	1.7325G	7.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **EBW**

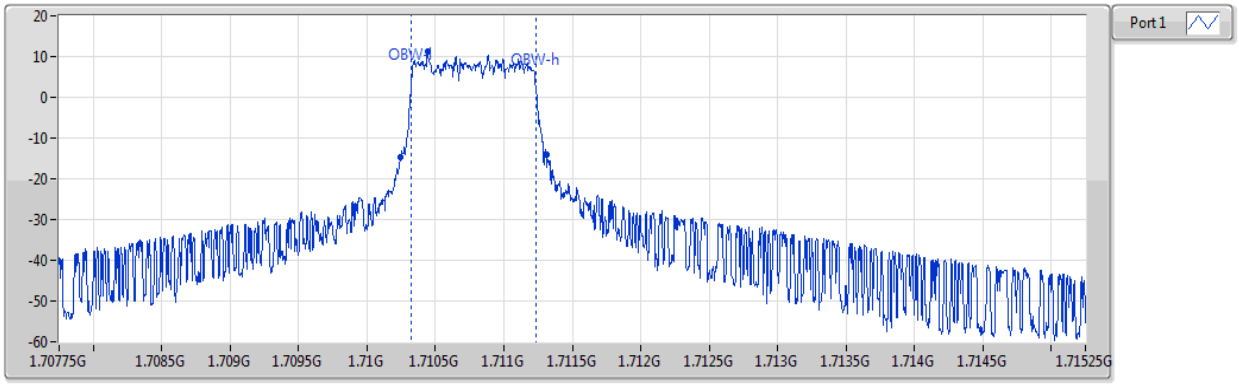
1753.5MHz_QPSK_RB 6,#RB 0,NB 1



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.223M	1.753515G	1.754738G	1.075M	1.753591G	1.754666G	1	1.7535G	7.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **EBW**

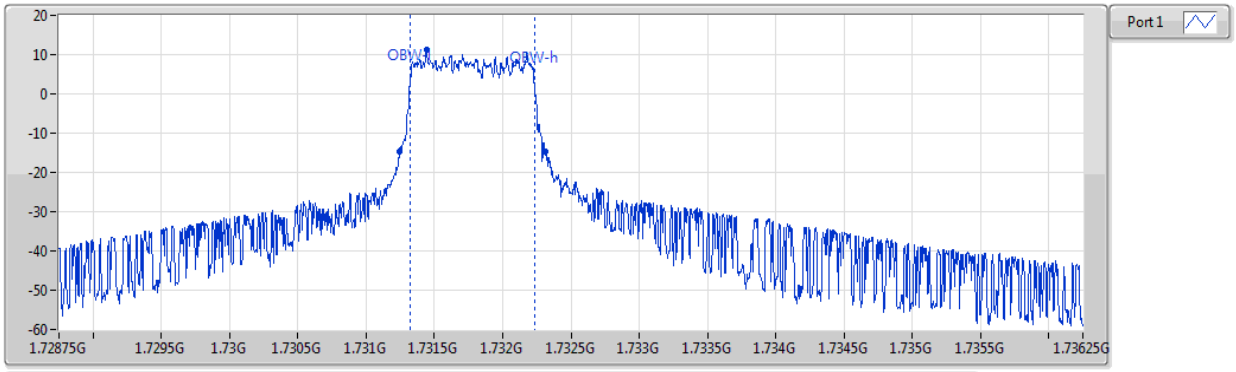
1711.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.065M	1.710248G	1.711313G	908.432k	1.710325G	1.711234G	1	1.7115G	7.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **EBW**

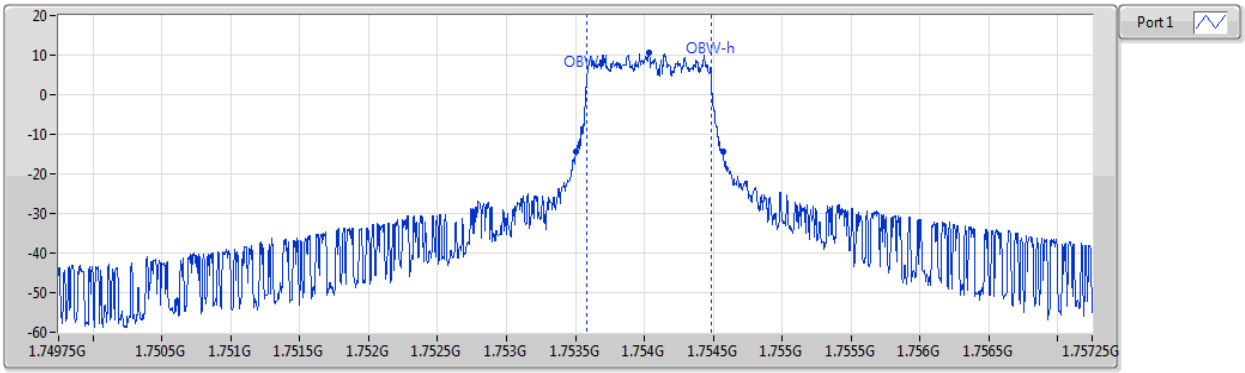
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.069M	1.731244G	1.732313G	911.668k	1.731322G	1.732233G	1	1.7325G	7.5M	15k	47k

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **EBW**

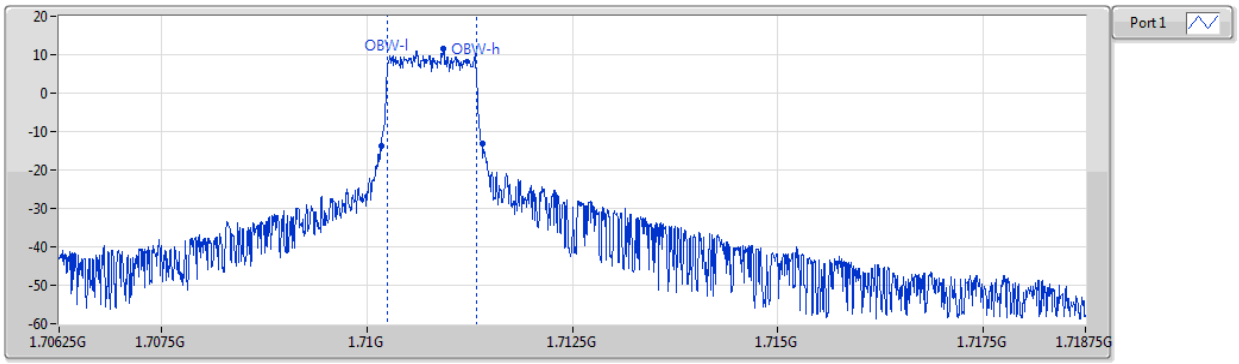
1753.5MHz_16QAM_RB 5,#RB 0,NB 1



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.069M	1.753504G	1.754573G	904.306k	1.753583G	1.754487G	1	1.7535G	7.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **EBW**

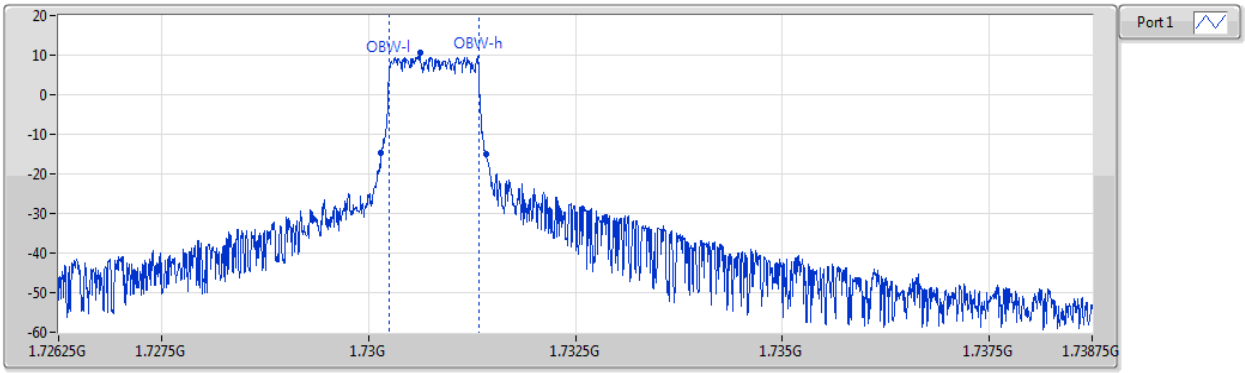
1712.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.231M	1.710169G	1.7114G	1.089M	1.710243G	1.711332G	1	1.7125G	12.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **EBW**

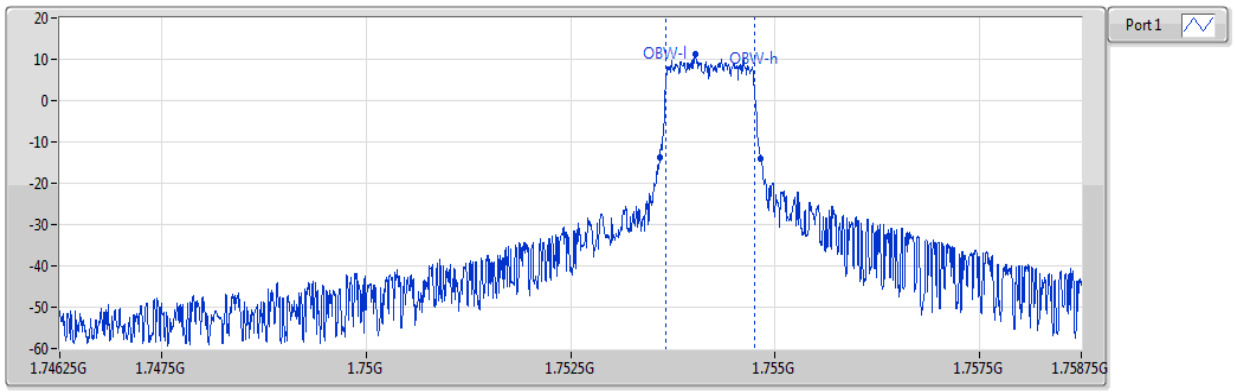
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.275M	1.73015G	1.731425G	1.088M	1.730245G	1.731332G	1	1.7325G	12.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **EBW**

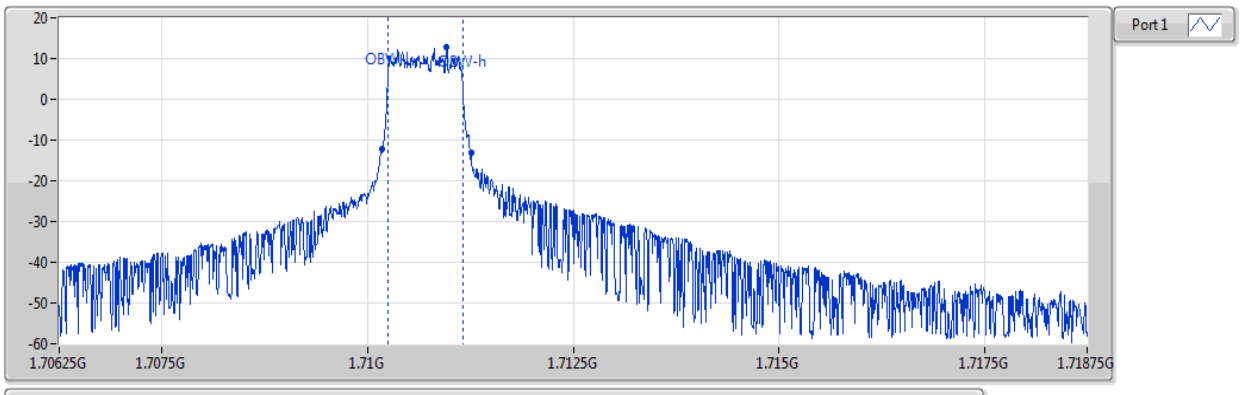
1752.5MHz_QPSK_RB 6,#RB 0,NB 3



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.244M	1.753588G	1.754831G	1.086M	1.753665G	1.754751G	1	1.7525G	12.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **EBW**

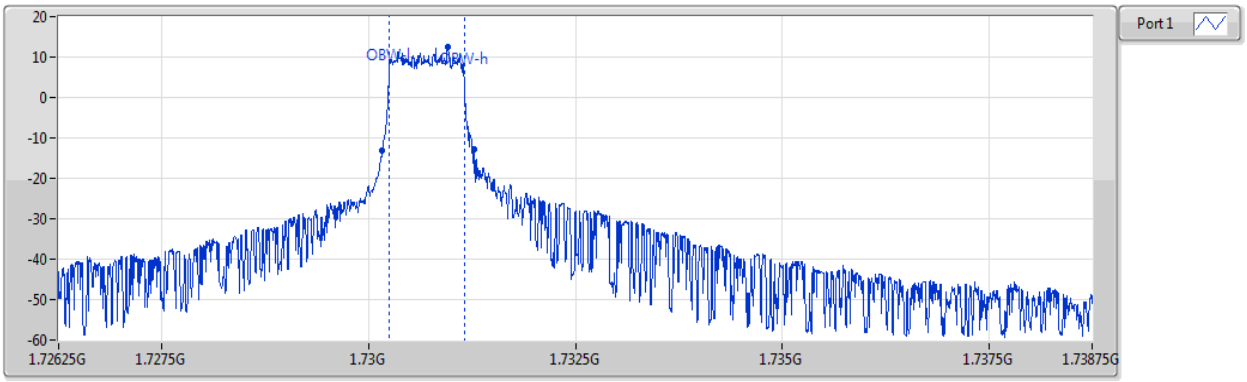
1712.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.094M	1.710169G	1.711263G	910.083k	1.710246G	1.711156G	1	1.7125G	12.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **EBW**

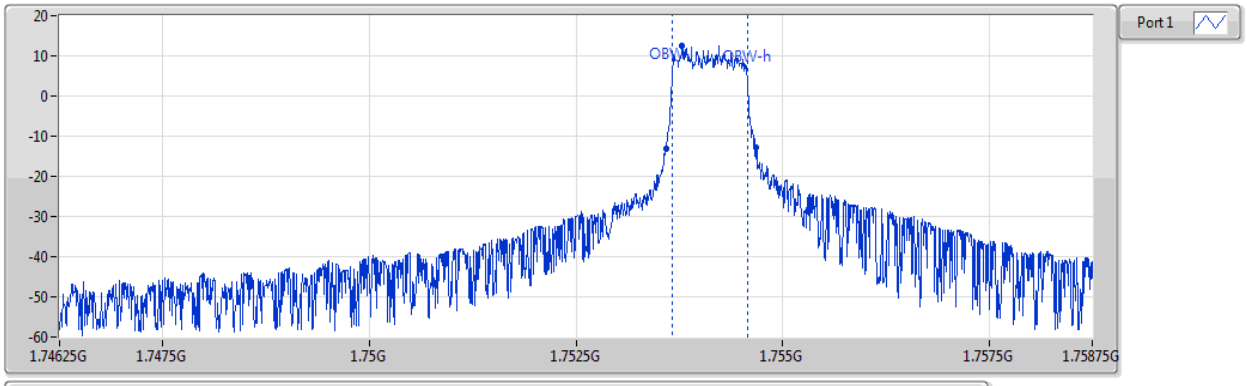
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.113M	1.730163G	1.731275G	910.444k	1.730245G	1.731156G	1	1.7325G	12.5M	15k	47k

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **EBW**

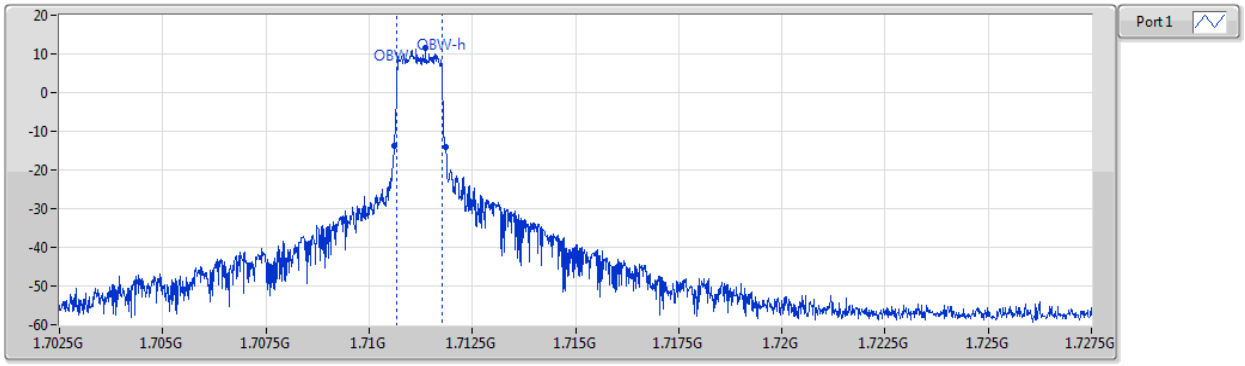
1752.5MHz_16QAM_RB 5,#RB 0,NB 3



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.094M	1.753588G	1.754681G	912.264k	1.753664G	1.754576G	1	1.7525G	12.5M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **EBW**

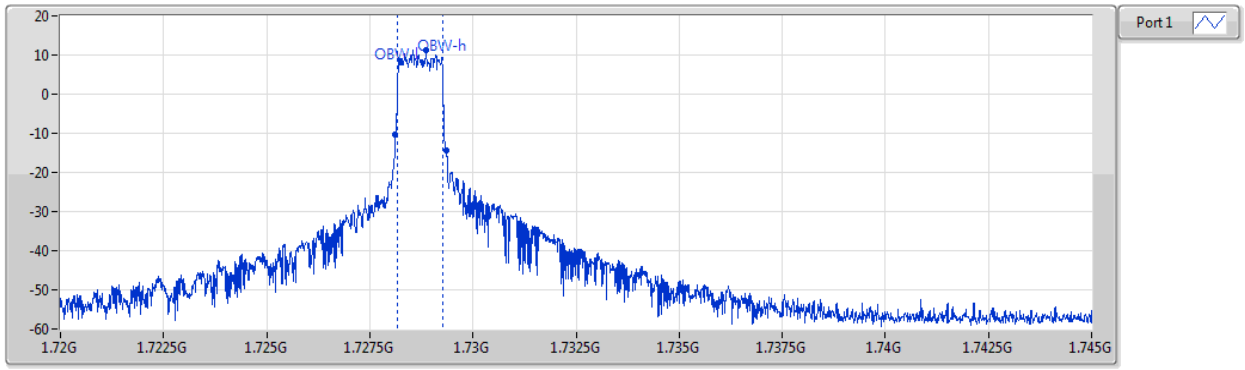
1715MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.238M	1.710613G	1.71185G	1.085M	1.71068G	1.711766G	1	1.715G	25M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **EBW**

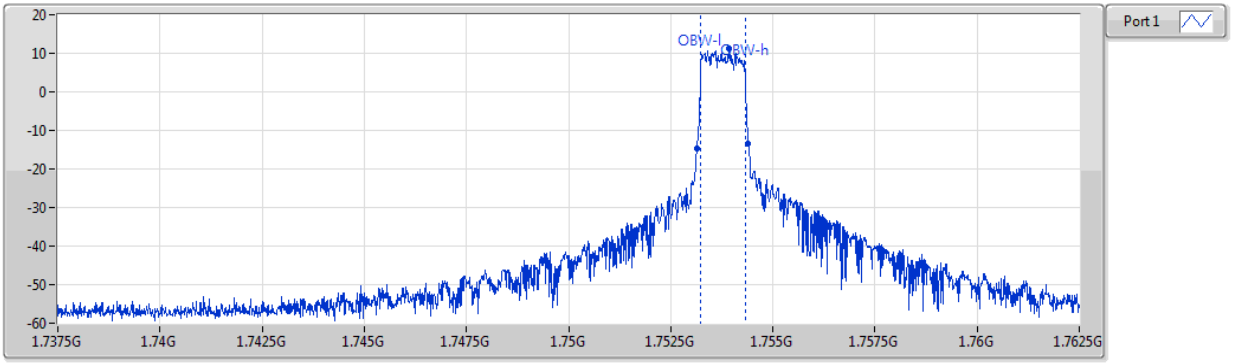
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.225M	1.728125G	1.72935G	1.086M	1.728179G	1.729265G	1	1.7325G	25M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **EBW**

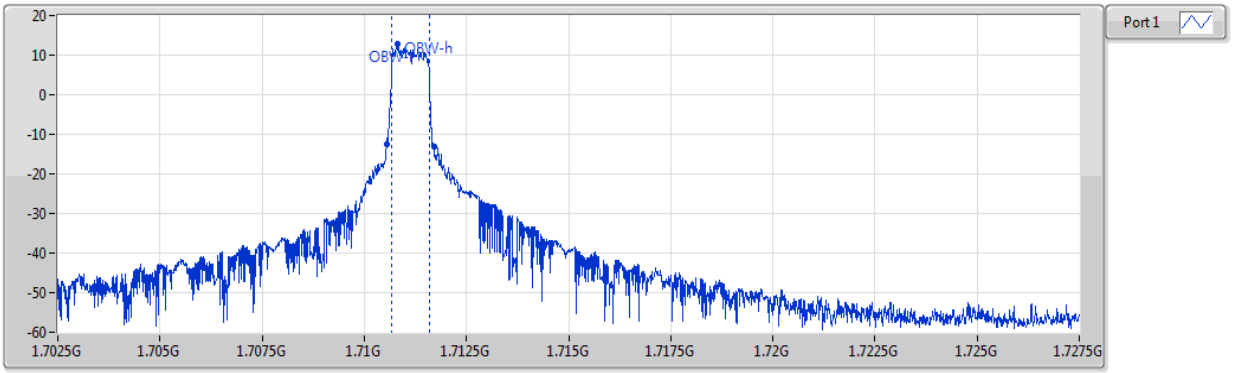
1750MHz_QPSK_RB 6,#RB 0,NB 7



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.25M	1.75315G	1.7544G	1.092M	1.753233G	1.754325G	1	1.75G	25M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **EBW**

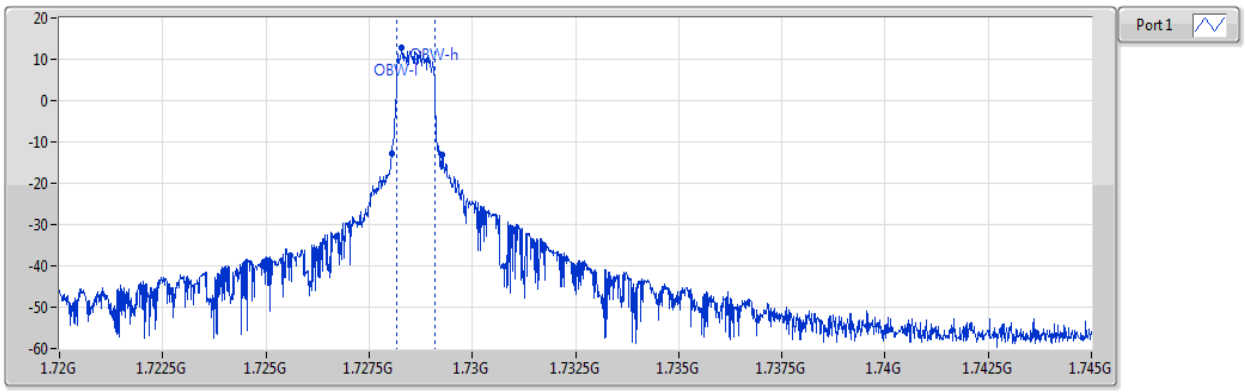
1715MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.15M	1.71055G	1.7117G	929.175k	1.710662G	1.711591G	1	1.715G	25M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **EBW**

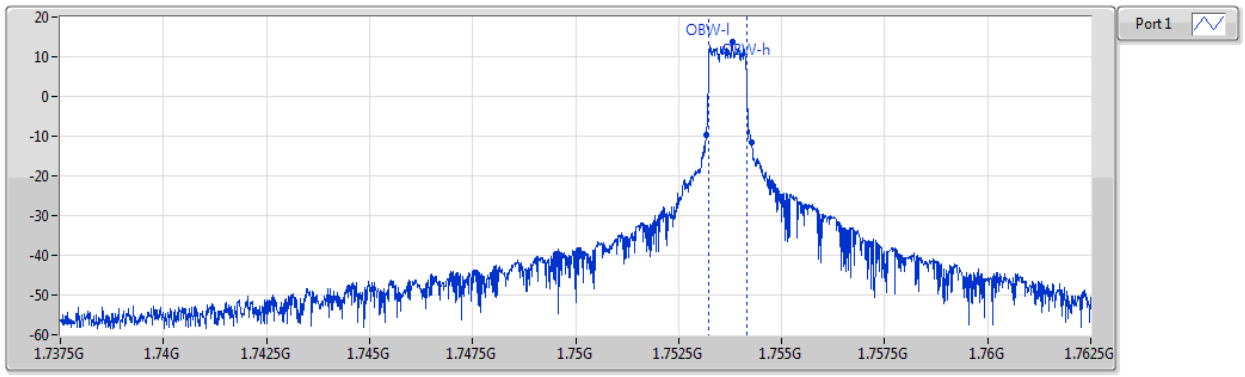
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.213M	1.72805G	1.729263G	923.521k	1.728165G	1.729088G	1	1.7325G	25M	15k	47k

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **EBW**

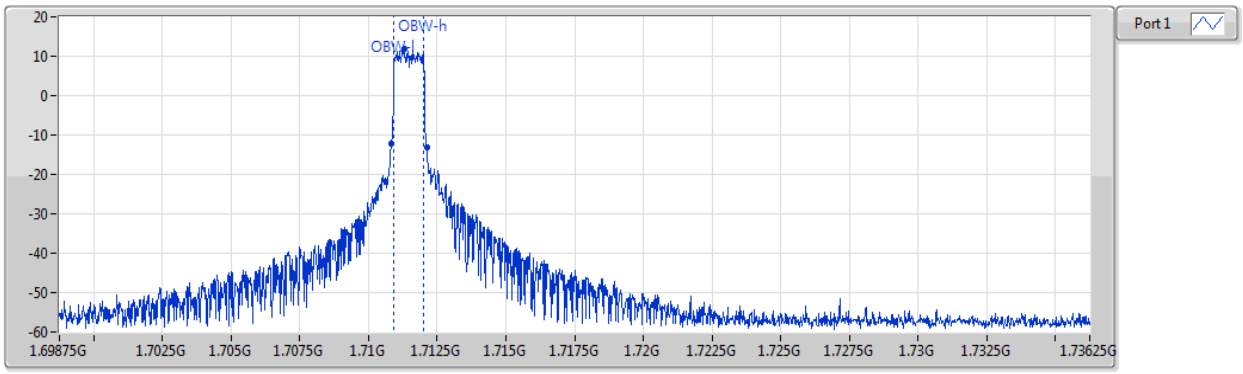
1750MHz_16QAM_RB 5,#RB 0,NB 7



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.113M	1.753163G	1.754275G	918.549k	1.753232G	1.75415G	1	1.75G	25M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **EBW**

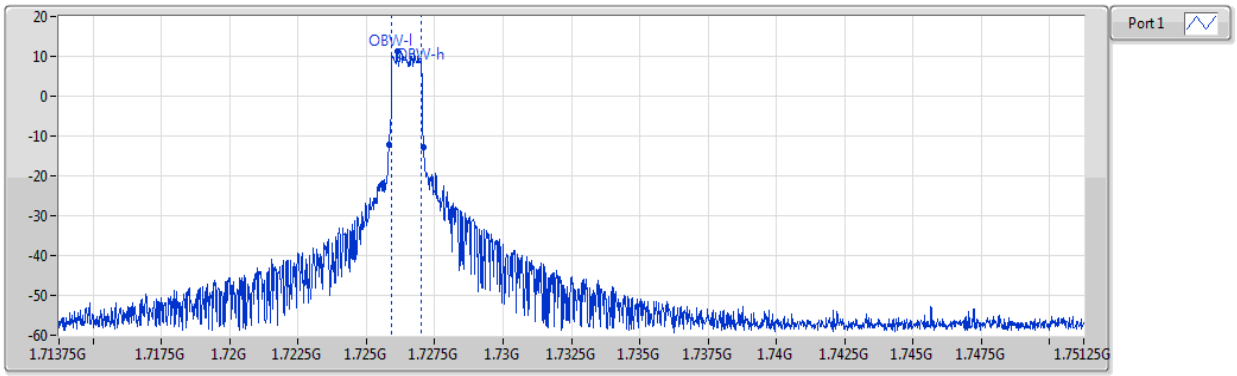
1717.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.294M	1.710825G	1.712119G	1.098M	1.710918G	1.712015G	1	1.7175G	37.5M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **EBW**

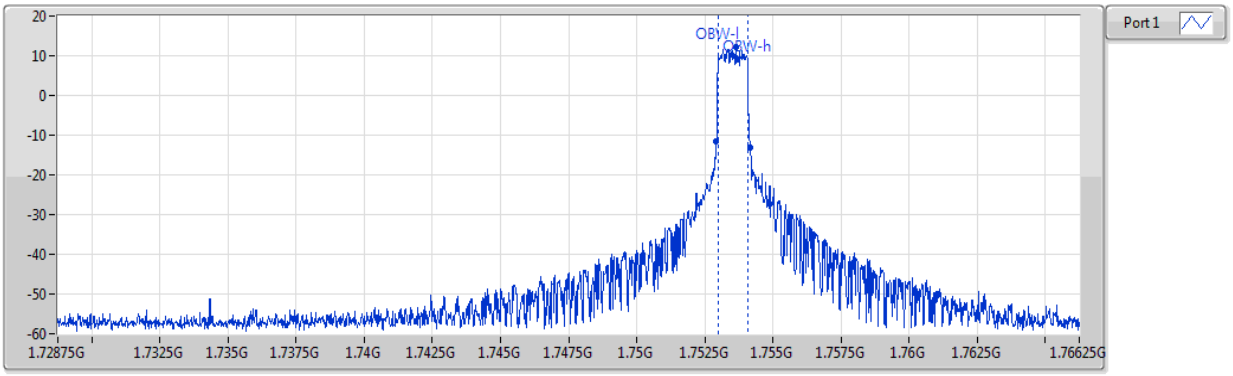
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.275M	1.725825G	1.7271G	1.108M	1.725914G	1.727022G	1	1.7325G	37.5M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **EBW**

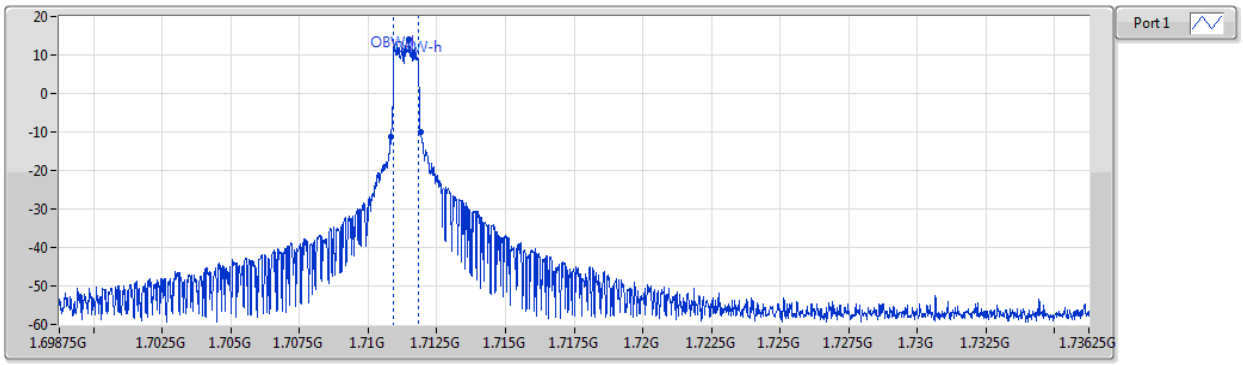
1747.5MHz_QPSK_RB 6,#RB 0,NB 11



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.238M	1.752919G	1.754156G	1.098M	1.752985G	1.754084G	1	1.7475G	37.5M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **EBW**

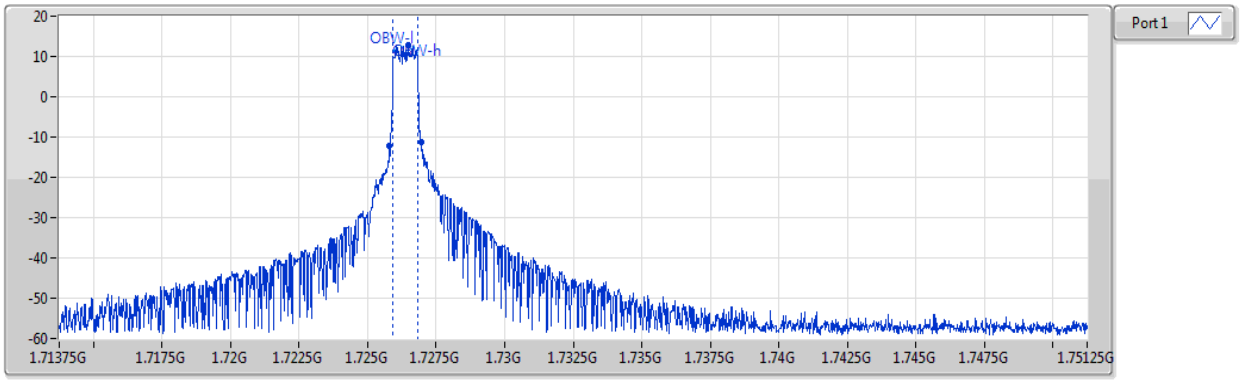
1717.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.088M	1.710844G	1.711931G	927.193k	1.710914G	1.711841G	1	1.7175G	37.5M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **EBW**

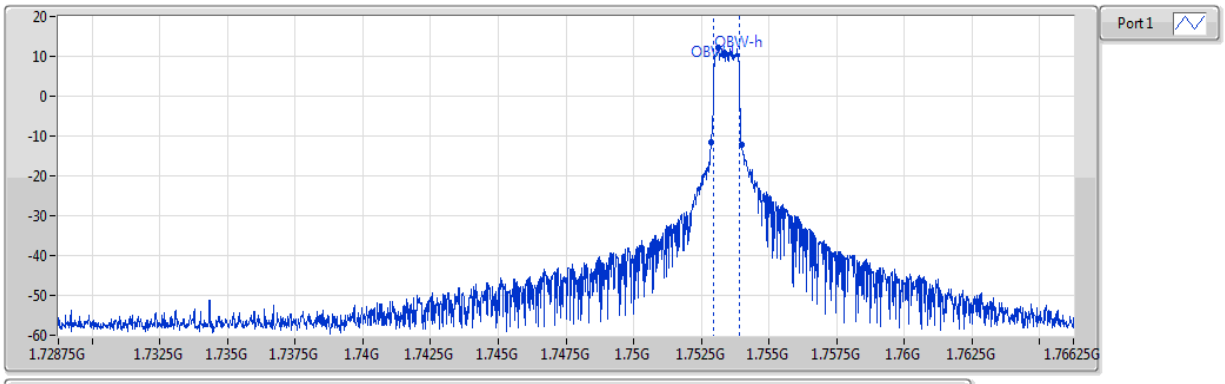
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.181M	1.725788G	1.726969G	928.385k	1.725912G	1.726841G	1	1.7325G	37.5M	15k	47k

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **EBW**

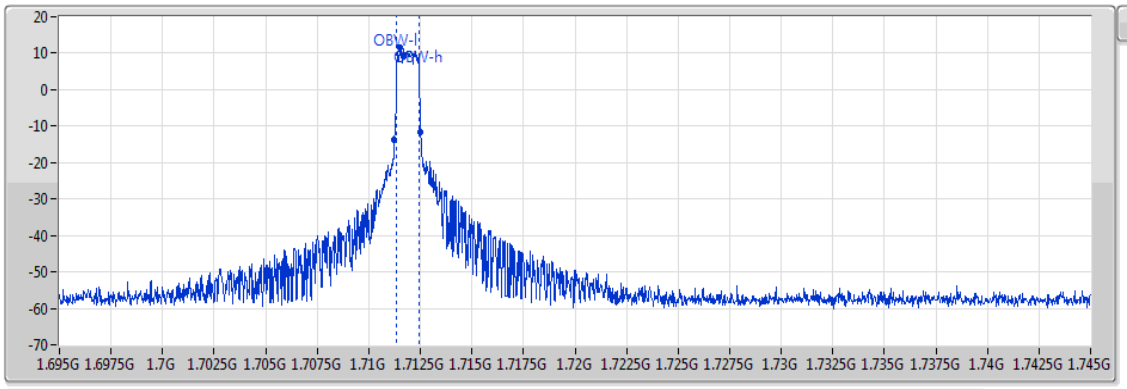
1747.5MHz_16QAM_RB 5,#RB 0,NB 11



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.144M	1.752863G	1.754006G	928.56k	1.752971G	1.7539G	1	1.7475G	37.5M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **EBW**

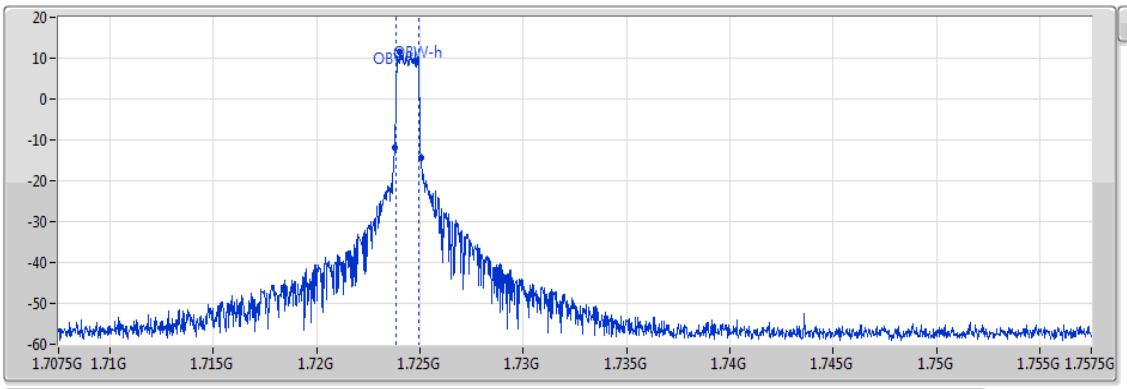
1720MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.275M	1.71125G	1.712525G	1.097M	1.711344G	1.712441G	1	1.72G	50M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **EBW**

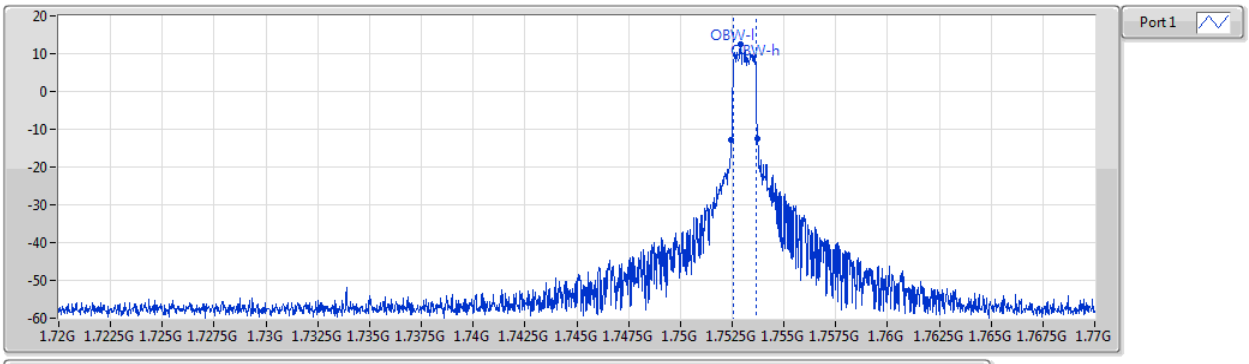
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.3M	1.723775G	1.725075G	1.105M	1.723849G	1.724954G	1	1.7325G	50M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **EBW**

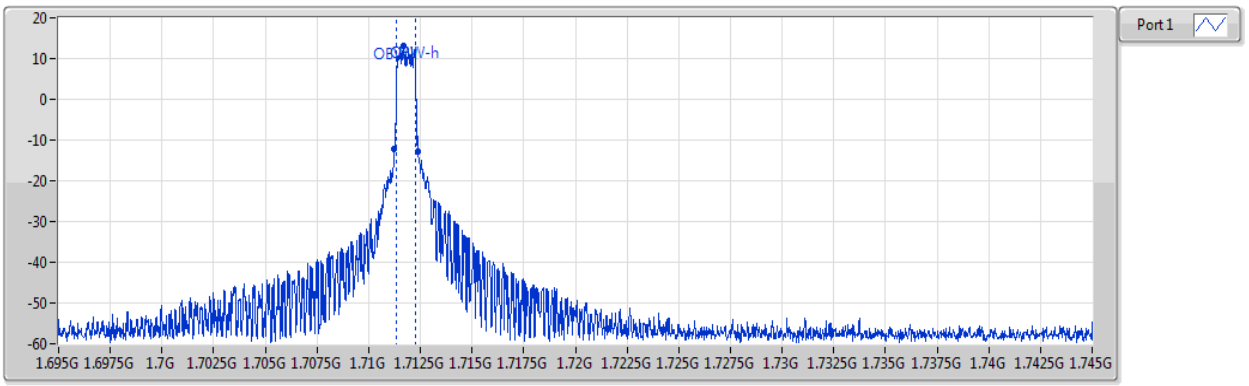
1745MHz_QPSK_RB 6,#RB 0,NB 15



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.275M	1.75245G	1.753725G	1.109M	1.752542G	1.753651G	1	1.745G	50M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **EBW**

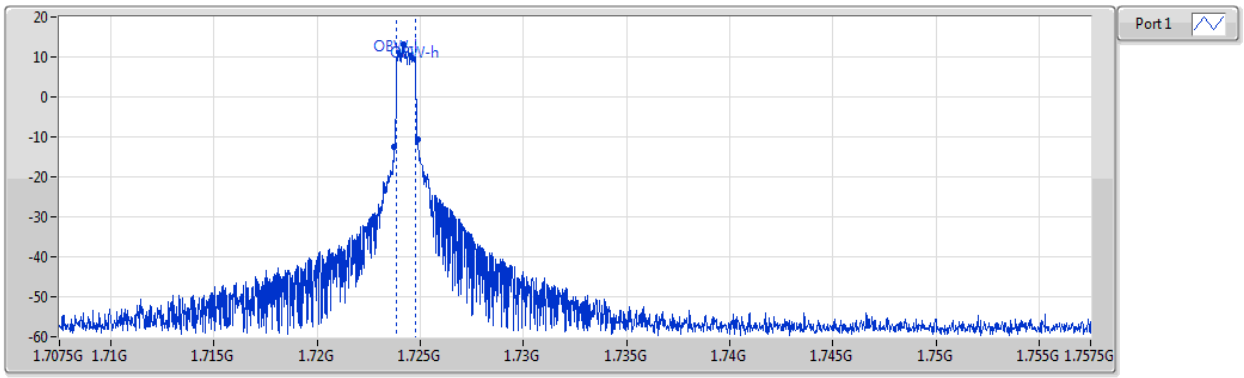
1720MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.15M	1.71125G	1.7124G	935.926k	1.711345G	1.712281G	1	1.72G	50M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **EBW**

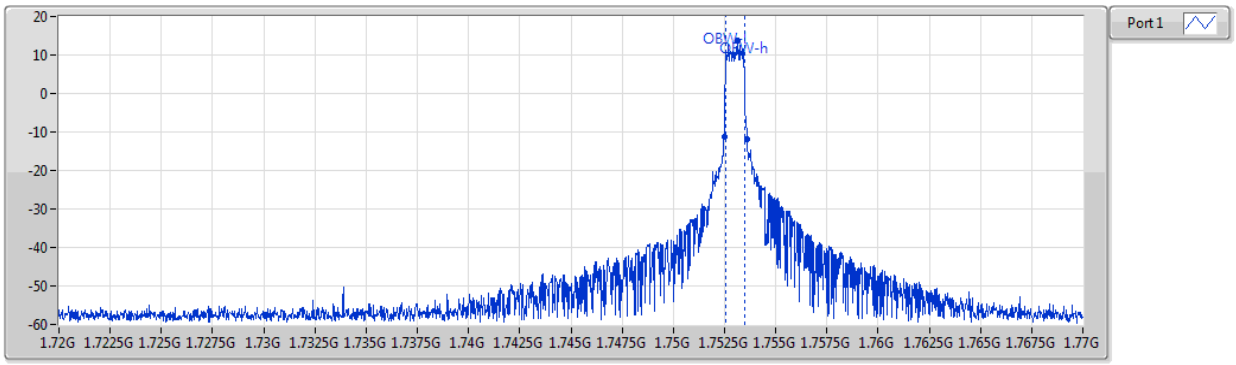
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.15M	1.72375G	1.7249G	935.783k	1.723844G	1.724779G	1	1.7325G	50M	15k	47k

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **EBW**

1745MHz_16QAM_RB 5,#RB 0,NB 15



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
1.125M	1.752475G	1.7536G	939.65k	1.752542G	1.753482G	1	1.745G	50M	15k	47k

3.5 Peak to Average Ratio

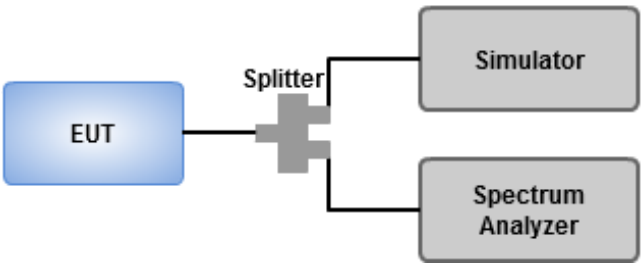
3.5.1 Limit of Peak to Average Ratio

The Peakto-average ratio (PAR) of the transmiss ion may not exceed 13 dB.

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Ratio

Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4	-	-	-	-	-
LTE-M1_1.4MHz_Nss1,QPSK_1TX	Pass	1732.5	13.00	4.87	1
LTE-M1_1.4MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	5.42	1
LTE-M1_3MHz_Nss1,QPSK_1TX	Pass	1753.5	13.00	4.88	1
LTE-M1_3MHz_Nss1,16QAM_1TX	Pass	1711.5	13.00	5.43	1
LTE-M1_5MHz_Nss1,QPSK_1TX	Pass	1712.5	13.00	4.58	1
LTE-M1_5MHz_Nss1,16QAM_1TX	Pass	1752.5	13.00	4.85	1
LTE-M1_10MHz_Nss1,QPSK_1TX	Pass	1750	13.00	4.52	1
LTE-M1_10MHz_Nss1,16QAM_1TX	Pass	1750	13.00	4.33	1
LTE-M1_15MHz_Nss1,QPSK_1TX	Pass	1747.5	13.00	3.98	1
LTE-M1_15MHz_Nss1,16QAM_1TX	Pass	1732.5	13.00	4.27	1
LTE-M1_20MHz_Nss1,QPSK_1TX	Pass	1745	13.00	3.97	1
LTE-M1_20MHz_Nss1,16QAM_1TX	Pass	1720	13.00	4.54	1

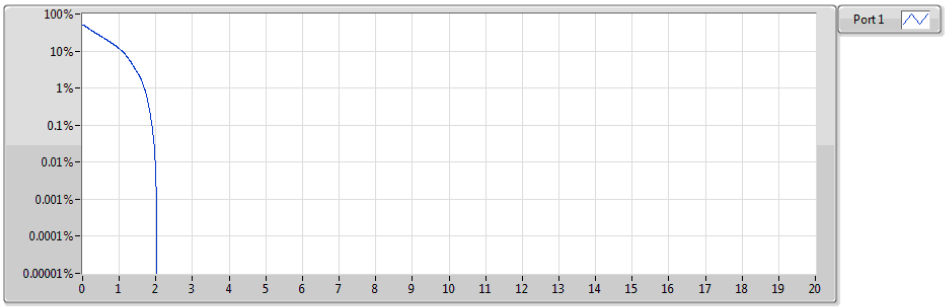
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_LTE-M1_1.4MHz_Nss1_1TX	-	-	-	-	-
1710.7MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1710.7	13.00	4.73	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	4.87	1
1754.3MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1754.3	13.00	4.83	1
1710.7MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1710.7	13.00	5.24	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	5.42	1
1754.3MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1754.3	13.00	5.37	1
Band 4_LTE-M1_3MHz_Nss1_1TX	-	-	-	-	-
1711.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1711.5	13.00	4.81	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	4.84	1
1753.5MHz_QPSK_RB 6,#RB 0,NB 1	Pass	1753.5	13.00	4.88	1
1711.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1711.5	13.00	5.43	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	5.41	1
1753.5MHz_16QAM_RB 5,#RB 0,NB 1	Pass	1753.5	13.00	5.38	1
Band 4_LTE-M1_5MHz_Nss1_1TX	-	-	-	-	-
1712.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1712.5	13.00	4.58	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	4.57	1
1752.5MHz_QPSK_RB 6,#RB 0,NB 3	Pass	1752.5	13.00	4.54	1
1712.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1712.5	13.00	4.76	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	4.84	1
1752.5MHz_16QAM_RB 5,#RB 0,NB 3	Pass	1752.5	13.00	4.85	1
Band 4_LTE-M1_10MHz_Nss1_1TX	-	-	-	-	-
1715MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1715	13.00	4.48	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	4.47	1
1750MHz_QPSK_RB 6,#RB 0,NB 7	Pass	1750	13.00	4.52	1
1715MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1715	13.00	4.08	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	4.18	1
1750MHz_16QAM_RB 5,#RB 0,NB 7	Pass	1750	13.00	4.33	1
Band 4_LTE-M1_15MHz_Nss1_1TX	-	-	-	-	-
1717.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1717.5	13.00	3.80	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	3.93	1
1747.5MHz_QPSK_RB 6,#RB 0,NB 11	Pass	1747.5	13.00	3.98	1
1717.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1717.5	13.00	4.22	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	4.27	1
1747.5MHz_16QAM_RB 5,#RB 0,NB 11	Pass	1747.5	13.00	4.15	1

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 4_LTE-M1_20MHz_Nss1_1TX	-	-	-	-	-
1720MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1720	13.00	3.95	1
1732.5MHz_QPSK_RB 6,#RB 0,NB 0	Pass	1732.5	13.00	3.90	1
1745MHz_QPSK_RB 6,#RB 0,NB 15	Pass	1745	13.00	3.97	1
1720MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1720	13.00	4.54	1
1732.5MHz_16QAM_RB 5,#RB 0,NB 0	Pass	1732.5	13.00	4.51	1
1745MHz_16QAM_RB 5,#RB 0,NB 15	Pass	1745	13.00	4.40	1

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **PAR**

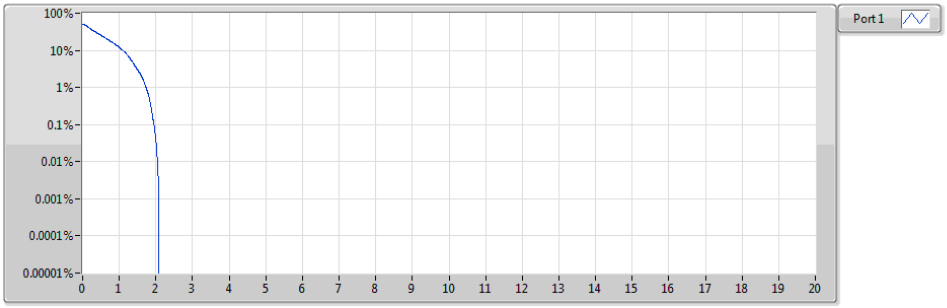
1710.7MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1710.7	20M	4.73	-8.27	13.00	1

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **PAR**

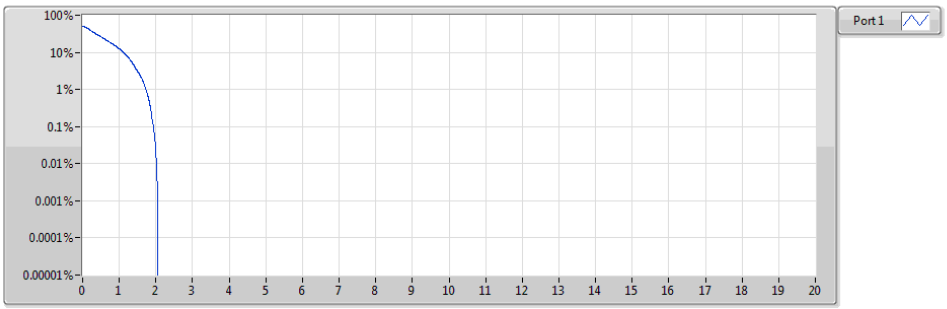
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.87	-8.13	13.00	1

Band 4_LTE-M1_1.4MHz_Nss1,QPSK_1TX **PAR**

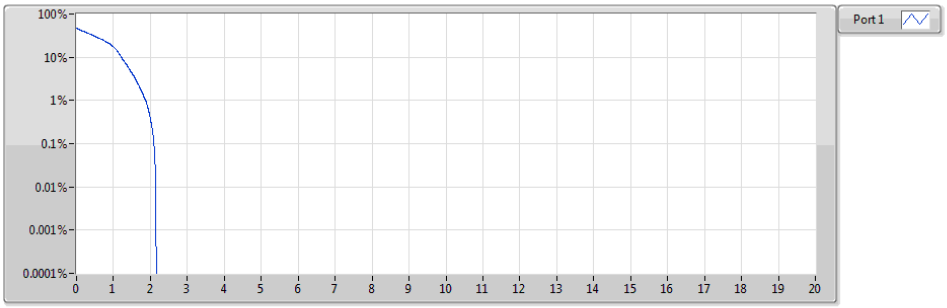
1754.3MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1754.3	20M	4.83	-8.17	13.00	1

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **PAR**

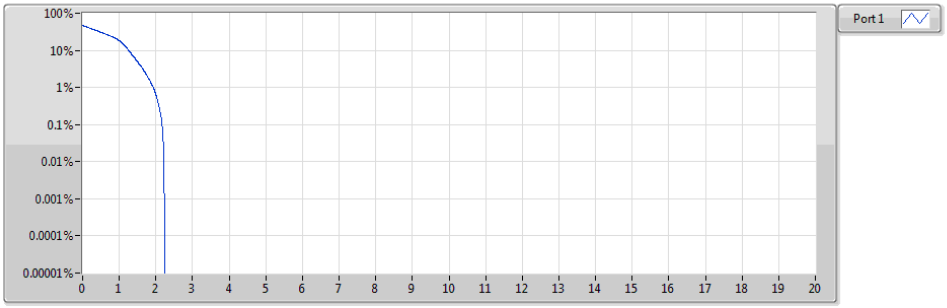
1710.7MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1710.7	20M	5.24	-7.76	13.00	1

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **PAR**

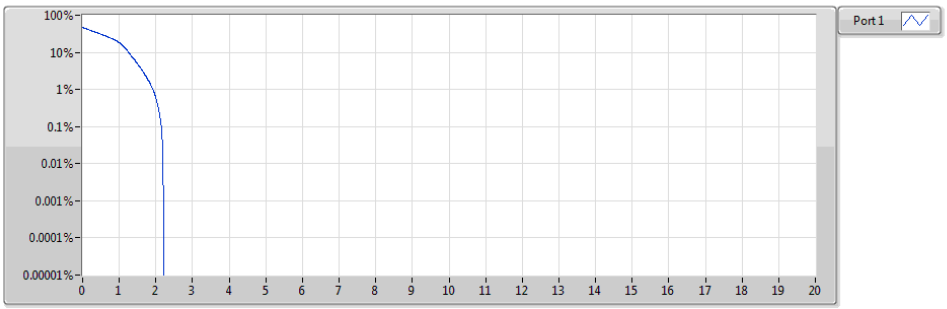
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	5.42	-7.58	13.00	1

Band 4_LTE-M1_1.4MHz_Nss1,16QAM_1TX **PAR**

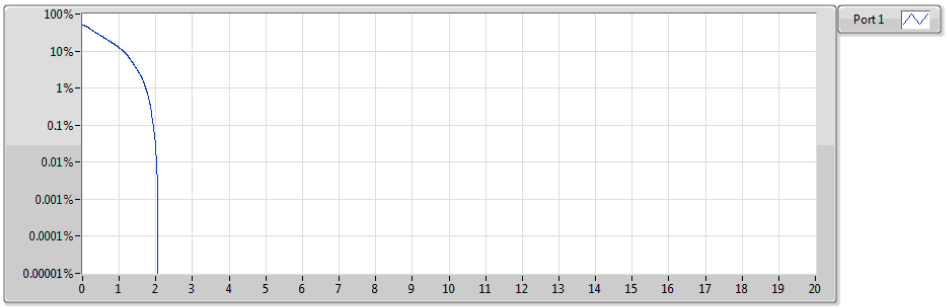
1754.3MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1754.3	20M	5.37	-7.63	13.00	1

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **PAR**

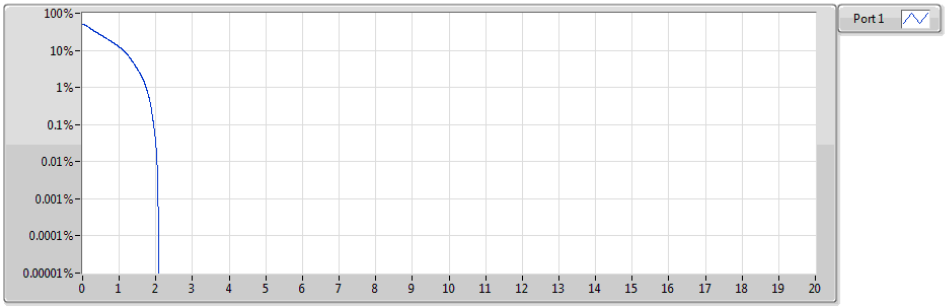
1711.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1711.5	20M	4.81	-8.19	13.00	1

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **PAR**

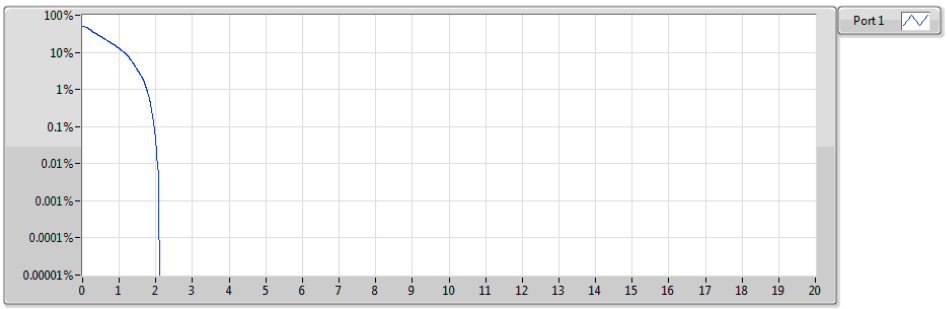
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.84	-8.16	13.00	1

Band 4_LTE-M1_3MHz_Nss1,QPSK_1TX **PAR**

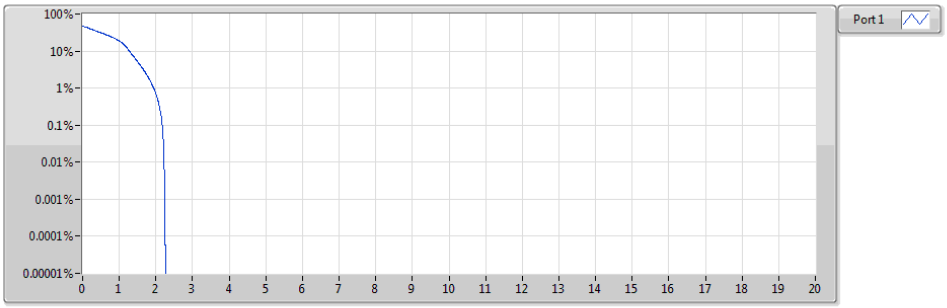
1753.5MHz_QPSK_RB 6,#RB 0,NB 1



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1753.5	20M	4.88	-8.12	13.00	1

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **PAR**

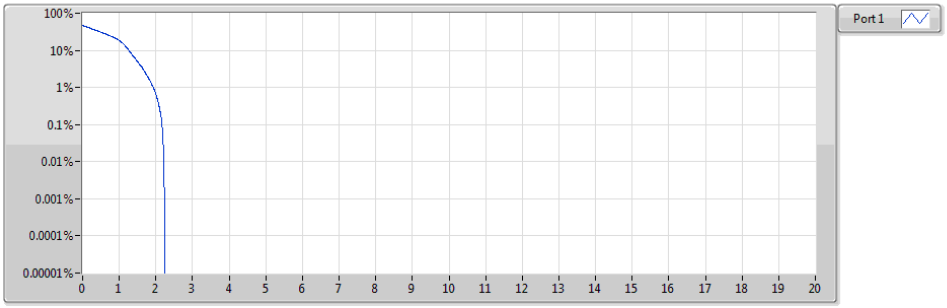
1711.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1711.5	20M	5.43	-7.57	13.00	1

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **PAR**

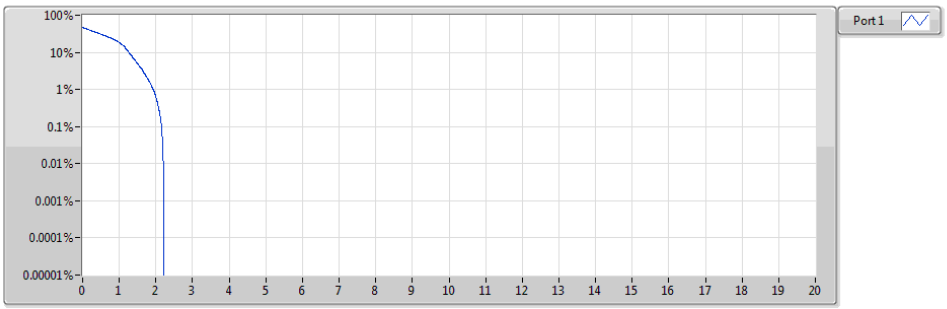
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	5.41	-7.59	13.00	1

Band 4_LTE-M1_3MHz_Nss1,16QAM_1TX **PAR**

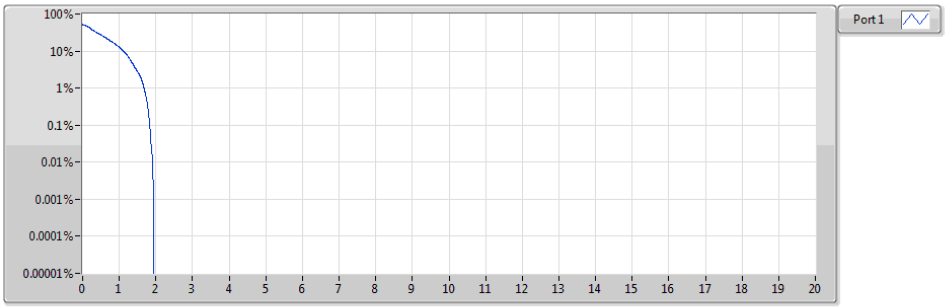
1753.5MHz_16QAM_RB 5,#RB 0,NB 1



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1753.5	20M	5.38	-7.62	13.00	1

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **PAR**

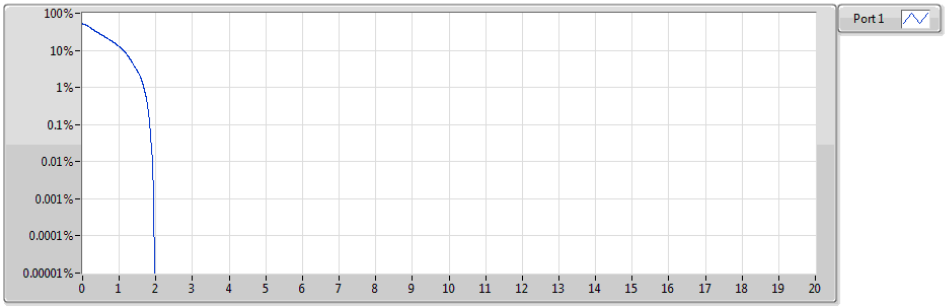
1712.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1712.5	20M	4.58	-8.42	13.00	1

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **PAR**

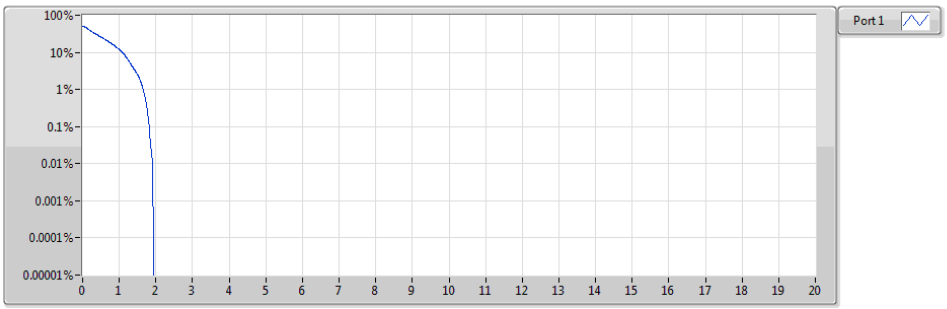
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.57	-8.43	13.00	1

Band 4_LTE-M1_5MHz_Nss1,QPSK_1TX **PAR**

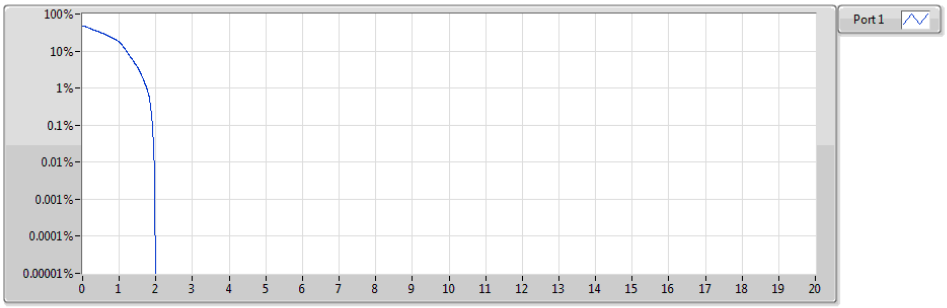
1752.5MHz_QPSK_RB 6,#RB 0,NB 3



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1752.5	20M	4.54	-8.46	13.00	1

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **PAR**

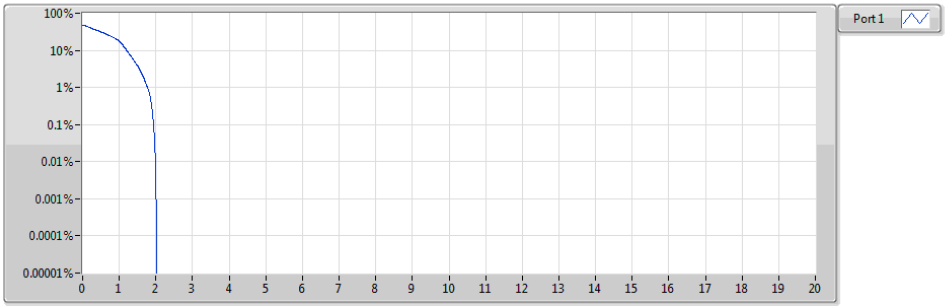
1712.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1712.5	20M	4.76	-8.24	13.00	1

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **PAR**

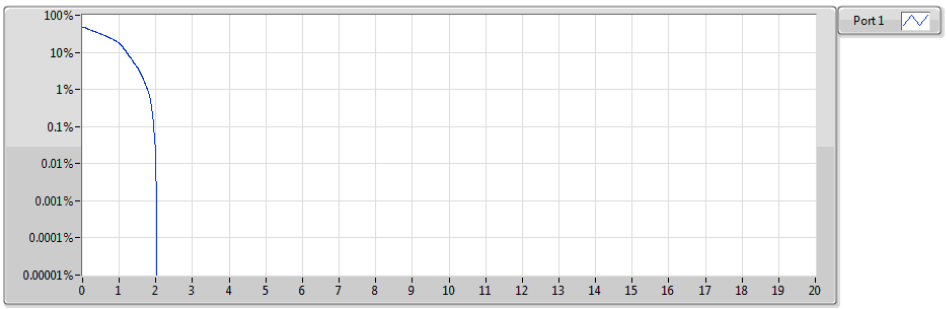
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.84	-8.16	13.00	1

Band 4_LTE-M1_5MHz_Nss1,16QAM_1TX **PAR**

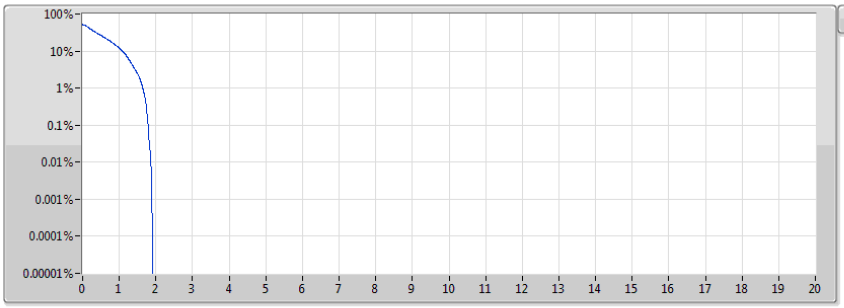
1752.5MHz_16QAM_RB 5,#RB 0,NB 3



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1752.5	20M	4.85	-8.15	13.00	1

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **PAR**

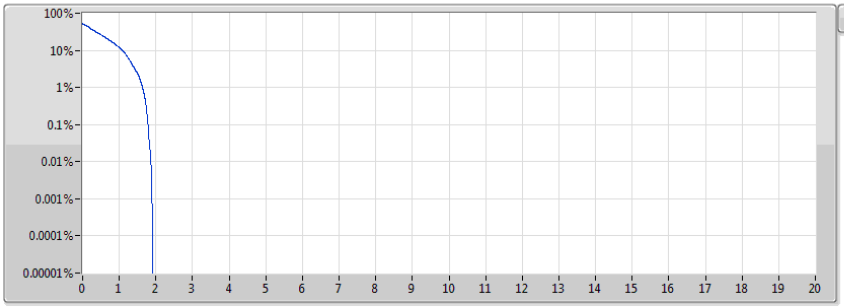
1715MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1715	20M	4.48	-8.52	13.00	1

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **PAR**

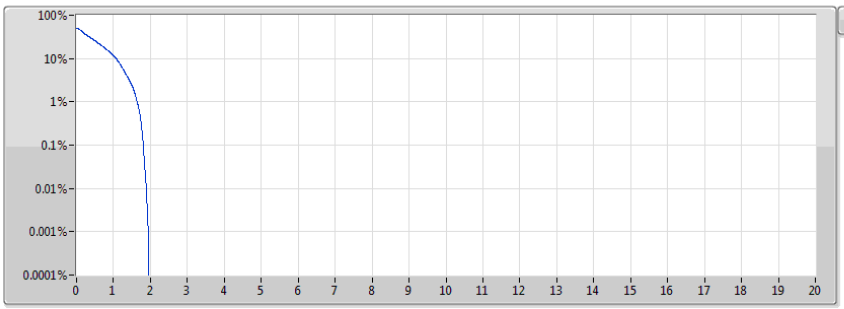
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.47	-8.53	13.00	1

Band 4_LTE-M1_10MHz_Nss1,QPSK_1TX **PAR**

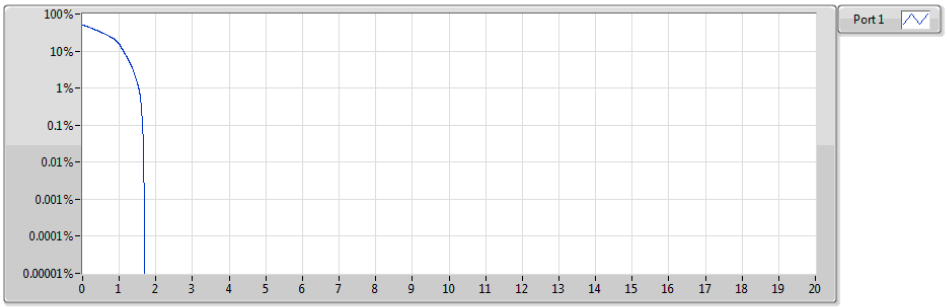
1750MHz_QPSK_RB 6,#RB 0,NB 7



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1750	20M	4.52	-8.48	13.00	1

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **PAR**

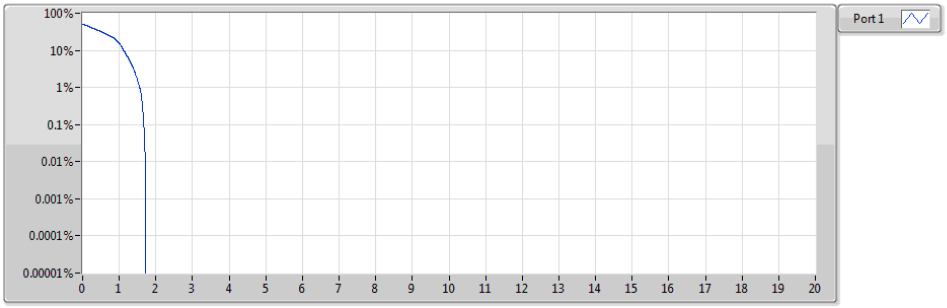
1715MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1715	20M	4.08	-8.92	13.00	1

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **PAR**

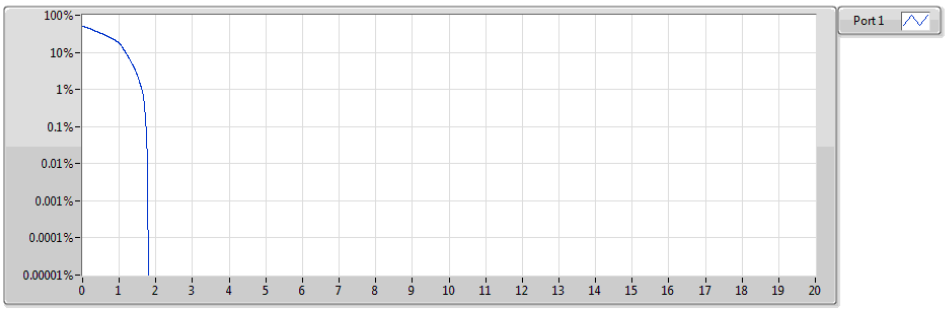
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.18	-8.82	13.00	1

Band 4_LTE-M1_10MHz_Nss1,16QAM_1TX **PAR**

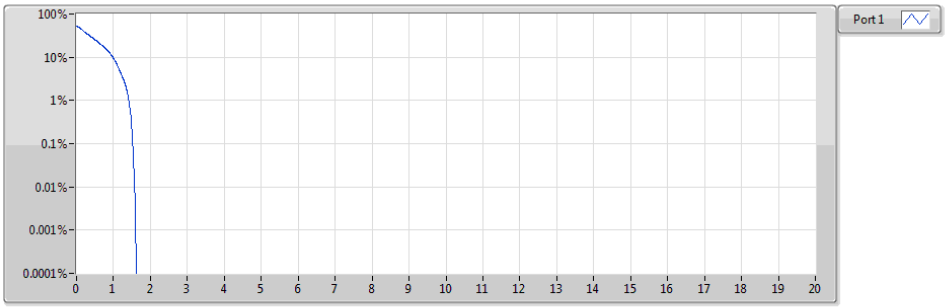
1750MHz_16QAM_RB 5,#RB 0,NB 7



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1750	20M	4.33	-8.67	13.00	1

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **PAR**

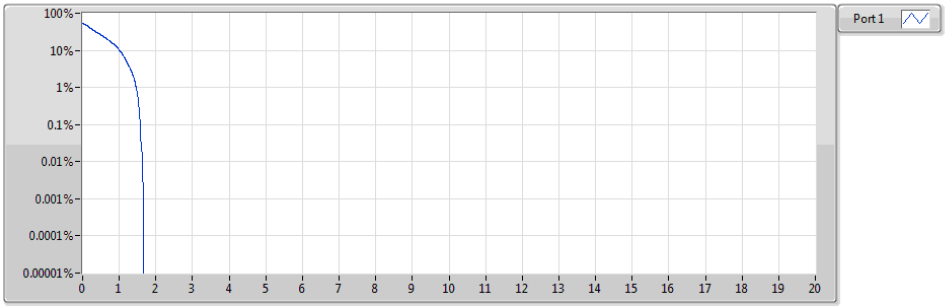
1717.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1717.5	20M	3.80	-9.20	13.00	1

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **PAR**

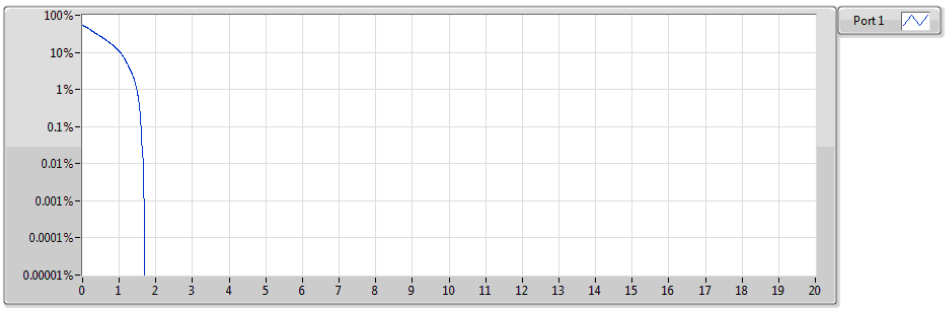
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	3.93	-9.07	13.00	1

Band 4_LTE-M1_15MHz_Nss1,QPSK_1TX **PAR**

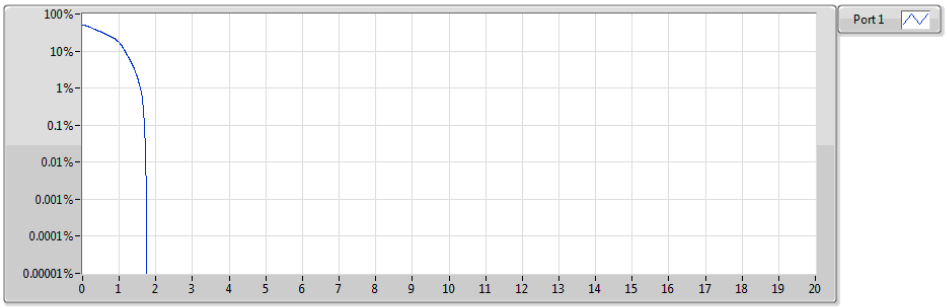
1747.5MHz_QPSK_RB 6,#RB 0,NB 11



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1747.5	20M	3.98	-9.02	13.00	1

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **PAR**

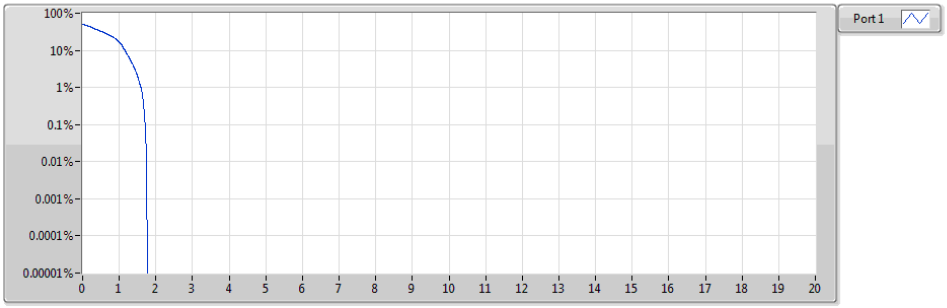
1717.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1717.5	20M	4.22	-8.78	13.00	1

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **PAR**

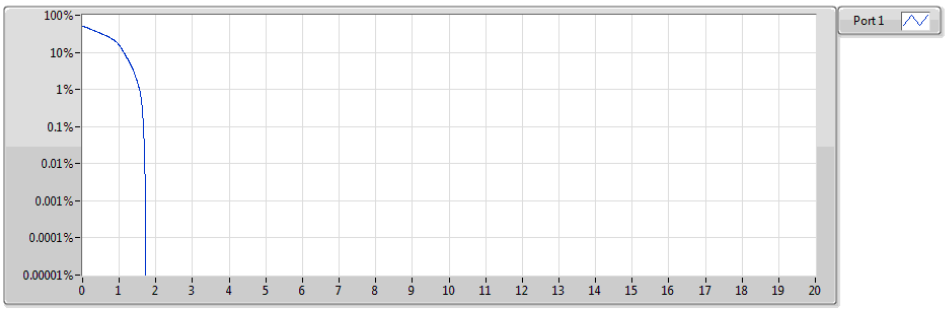
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.27	-8.73	13.00	1

Band 4_LTE-M1_15MHz_Nss1,16QAM_1TX **PAR**

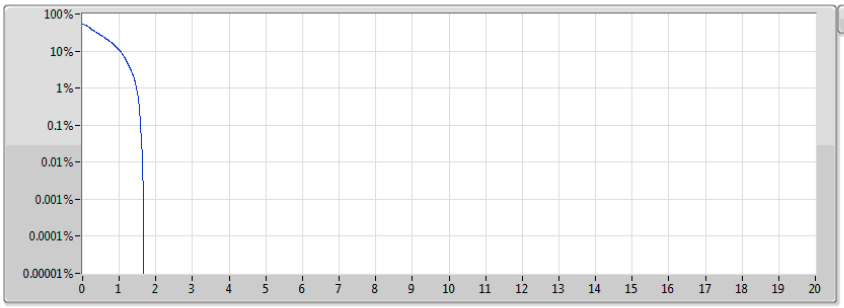
1747.5MHz_16QAM_RB 5,#RB 0,NB 11



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1747.5	20M	4.15	-8.85	13.00	1

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **PAR**

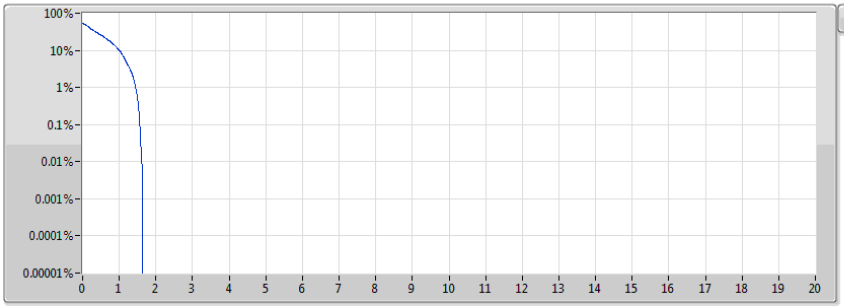
1720MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1720	20M	3.95	-9.05	13.00	1

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **PAR**

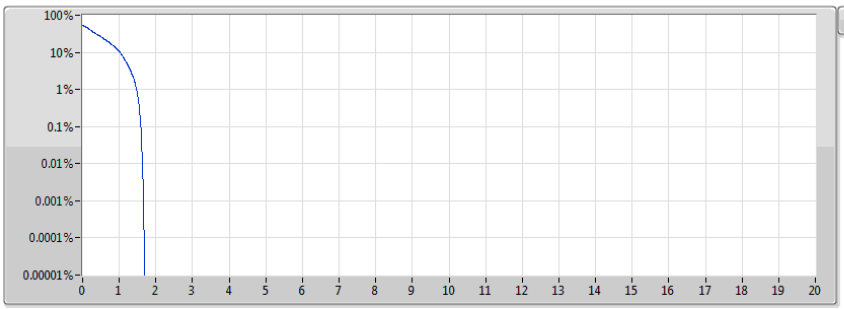
1732.5MHz_QPSK_RB 6,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	3.90	-9.10	13.00	1

Band 4_LTE-M1_20MHz_Nss1,QPSK_1TX **PAR**

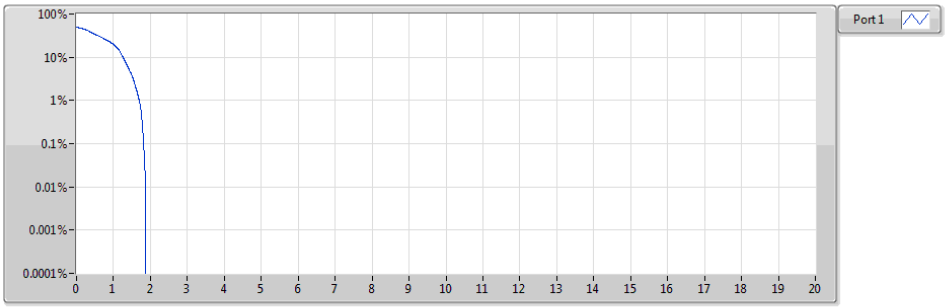
1745MHz_QPSK_RB 6,#RB 0,NB 15



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1745	20M	3.97	-9.03	13.00	1

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **PAR**

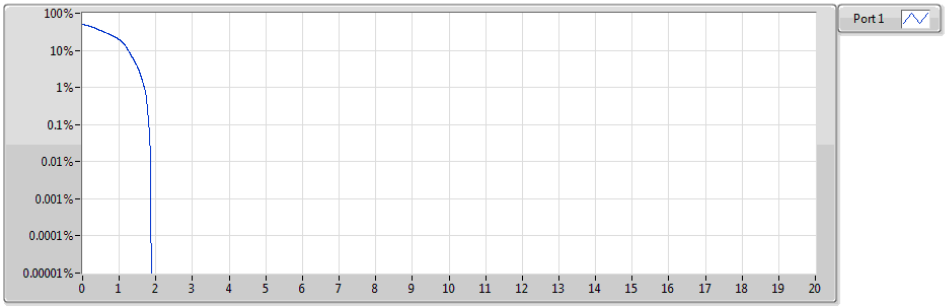
1720MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1720	20M	4.54	-8.46	13.00	1

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **PAR**

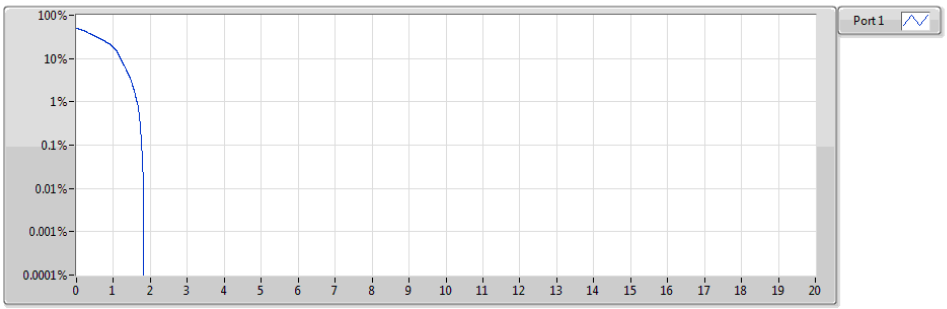
1732.5MHz_16QAM_RB 5,#RB 0,NB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1732.5	20M	4.51	-8.49	13.00	1

Band 4_LTE-M1_20MHz_Nss1,16QAM_1TX **PAR**

1745MHz_16QAM_RB 5,#RB 0,NB 15



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
1745	20M	4.40	-8.60	13.00	1

3.6 Frequency Stability

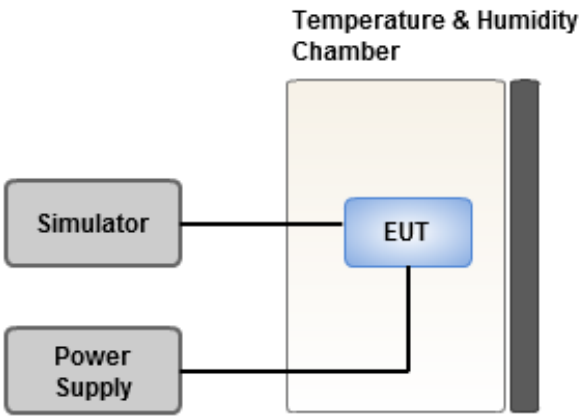
3.6.1 Limit of Frequency Stability

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. Tem Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

CB: 1.4MHz				
Temperature (°C)	1710.7MHz		1754.3MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1710.157015	0.005	1754.842009
T20°CVmin	0.005	1710.157016	0.005	1754.842008
T85°CVnom	0.007	1710.157017	0.006	1754.842011
T80°CVnom	0.008	1710.157018	0.007	1754.842012
T70°CVnom	0.006	1710.157019	0.006	1754.842011
T60°CVnom	0.006	1710.157020	0.006	1754.842011
T50°CVnom	0.006	1710.157021	0.007	1754.842012
T40°CVnom	0.006	1710.157022	0.006	1754.842011
T30°CVnom	0.006	1710.157023	0.006	1754.842010
T20°CVnom	0.005	1710.157024	0.005	1754.842009
T10°CVnom	0.005	1710.157025	0.005	1754.842009
T0°CVnom	0.006	1710.157026	0.006	1754.842010
T-10°CVnom	0.006	1710.157027	0.006	1754.842011
T-20°CVnom	0.008	1710.157028	0.007	1754.842012
T-30°CVnom	0.008	1710.157029	0.007	1754.842013
T-40°CVnom	0.007	1710.157030	0.007	1754.842013
Limit		>1710MHz		<1755MHz

CB: 3MHz				
Temperature (°C)	1711.5MHz		1753.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1710.325041	0.005	1754.666009
T20°CVmin	0.005	1710.325042	0.005	1754.666008
T85°CVnom	0.007	1710.325043	0.006	1754.666011
T80°CVnom	0.008	1710.325044	0.007	1754.666012
T70°CVnom	0.006	1710.325045	0.006	1754.666011
T60°CVnom	0.006	1710.325046	0.006	1754.666011
T50°CVnom	0.006	1710.325047	0.007	1754.666012
T40°CVnom	0.006	1710.325048	0.006	1754.666011
T30°CVnom	0.006	1710.325049	0.006	1754.666010
T20°CVnom	0.005	1710.325050	0.005	1754.666009
T10°CVnom	0.005	1710.325051	0.005	1754.666009
T0°CVnom	0.006	1710.325052	0.006	1754.666010
T-10°CVnom	0.006	1710.325053	0.006	1754.666011
T-20°CVnom	0.008	1710.325054	0.007	1754.666012
T-30°CVnom	0.008	1710.325055	0.007	1754.666013
T-40°CVnom	0.007	1710.325056	0.007	1754.666013
Limit		>1710MHz		<1755MHz

CB: 5MHz				
Temperature (°C)	1712.5MHz		1752.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1710.243041	0.005	1754.751009
T20°CVmin	0.005	1710.243042	0.005	1754.751008
T85°CVnom	0.006	1710.243043	0.006	1754.751011
T80°CVnom	0.008	1710.243044	0.007	1754.751012
T70°CVnom	0.007	1710.243045	0.006	1754.751011
T60°CVnom	0.006	1710.243046	0.006	1754.751011
T50°CVnom	0.006	1710.243047	0.007	1754.751012
T40°CVnom	0.007	1710.243048	0.006	1754.751011
T30°CVnom	0.006	1710.243049	0.006	1754.751010
T20°CVnom	0.005	1710.243050	0.005	1754.751009
T10°CVnom	0.005	1710.243051	0.005	1754.751009
T0°CVnom	0.006	1710.243052	0.006	1754.751010
T-10°CVnom	0.007	1710.243053	0.006	1754.751011
T-20°CVnom	0.007	1710.243054	0.007	1754.751012
T-30°CVnom	0.007	1710.243055	0.007	1754.751013
T-40°CVnom	0.008	1710.243056	0.007	1754.751013
Limit		>1710MHz		<1755MHz

CB: 10MHz				
Temperature (°C)	1715MHz		1750MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1710.662041	0.005	1754.325008
T20°CVmin	0.005	1710.662042	0.005	1754.325009
T85°CVnom	0.007	1710.662043	0.007	1754.325012
T80°CVnom	0.007	1710.662044	0.006	1754.325011
T70°CVnom	0.006	1710.662045	0.007	1754.325012
T60°CVnom	0.006	1710.662046	0.006	1754.325011
T50°CVnom	0.007	1710.662047	0.006	1754.325011
T40°CVnom	0.006	1710.662048	0.006	1754.325011
T30°CVnom	0.006	1710.662049	0.007	1754.325012
T20°CVnom	0.005	1710.662050	0.006	1754.325010
T10°CVnom	0.005	1710.662051	0.005	1754.325009
T0°CVnom	0.007	1710.662052	0.006	1754.325011
T-10°CVnom	0.006	1710.662053	0.006	1754.325010
T-20°CVnom	0.007	1710.662054	0.006	1754.325011
T-30°CVnom	0.008	1710.662055	0.007	1754.325012
T-40°CVnom	0.008	1710.662056	0.007	1754.325013
Limit		>1710MHz		<1755MHz

CB: 15MHz				
Temperature (°C)	1717.5MHz		1747.5MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1710.914041	0.005	1754.084009
T20°CVmin	0.005	1710.914042	0.005	1754.084008
T85°CVnom	0.006	1710.914043	0.006	1754.084011
T80°CVnom	0.007	1710.914044	0.007	1754.084012
T70°CVnom	0.007	1710.914045	0.006	1754.084011
T60°CVnom	0.006	1710.914046	0.006	1754.084011
T50°CVnom	0.006	1710.914047	0.007	1754.084012
T40°CVnom	0.006	1710.914048	0.006	1754.084011
T30°CVnom	0.006	1710.914049	0.006	1754.084010
T20°CVnom	0.005	1710.914050	0.005	1754.084009
T10°CVnom	0.005	1710.914051	0.005	1754.084009
T0°CVnom	0.006	1710.914052	0.006	1754.084010
T-10°CVnom	0.006	1710.914053	0.006	1754.084011
T-20°CVnom	0.007	1710.914054	0.007	1754.084012
T-30°CVnom	0.008	1710.914055	0.007	1754.084013
T-40°CVnom	0.007	1710.914056	0.007	1754.084013
Limit		>1710MHz		<1755MHz

CB: 20MHz				
Temperature (°C)	1720MHz		1745MHz	
	Frequency Drift (ppm)	F_L (MHz)	Frequency Drift (ppm)	F_H (MHz)
T20°CVmax	0.005	1711.344041	0.005	1753.651008
T20°CVmin	0.005	1711.344042	0.005	1753.651008
T85°CVnom	0.006	1711.344043	0.006	1753.651011
T80°CVnom	0.007	1711.344044	0.006	1753.651011
T70°CVnom	0.006	1711.344045	0.007	1753.651012
T60°CVnom	0.006	1711.344046	0.006	1753.651011
T50°CVnom	0.006	1711.344047	0.006	1753.651011
T40°CVnom	0.006	1711.344048	0.007	1753.651012
T30°CVnom	0.006	1711.344049	0.006	1753.651011
T20°CVnom	0.005	1711.344050	0.006	1753.651010
T10°CVnom	0.005	1711.344051	0.005	1753.651009
T0°CVnom	0.006	1711.344052	0.006	1753.651010
T-10°CVnom	0.006	1711.344053	0.006	1753.651011
T-20°CVnom	0.007	1711.344054	0.006	1753.651011
T-30°CVnom	0.007	1711.344055	0.007	1753.651012
T-40°CVnom	0.008	1711.344056	0.007	1753.651012
Limit		>1710MHz		<1755MHz

4 Test laboratory information

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

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

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

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

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

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