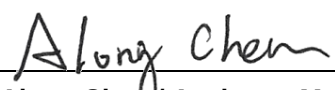


FCC Test Report

FCC ID : 2AQYEFMP177
Equipment : Mobile Phone
Model No. : F-41A
Brand Name : FUJITSU
Applicant : FUJITSU CONNECTED TECHNOLOGIES Ltd.
Address : Chuorinkan 7-10-1 Yamato, Kanagawa
242-0007, Japan.
Standard : 47 CFR FCC Part 27
Received Date : Feb. 01, 2020
Tested Date : Feb. 01 ~ Feb. 11, 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.

Reviewed by:


Along Chen / Assistant Manager

Approved by:

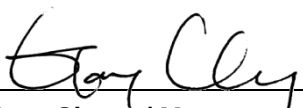

Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FG8D1403-01P27	Rev. 01	Initial issue	Mar. 13, 2020

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 27.50(b)(10) 27.50(c)(10)	Effective Radiated Power	Power[dBm]: LTE Band 12: 8.21 LTE Band 17: 8.24	Pass
2.1053 27.53(c) 27.53(g)	Radiated Emissions	Meet the requirement of limit	Pass
2.1053 / 27.53(f)	Radiated Spurious Emission in the 1559-1610MHz band	Meet the requirement of limit	Pass
2.1051 27.53(c) 27.53(g)	Conducted Emissions	Meet the requirement of limit	Pass
2.1051 27.53(c) 27.53(g)	Band Edge	Meet the requirement of limit	Pass
2.1049	Occupied Bandwidth	Meet the requirement of limit	Pass
2.1055 / 27.54	Frequency Stability	Meet the requirement of limit	Pass
27.50(d)(5)	Peak to Average Ratio	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Product Details

Product Name	Mobile Phone
Brand Name	FUJITSU
Model Name	F-41A
IMEI Code	353531110004089 / 353531110004105
H/W Version	v1.2.0
S/W Version	R022.1e

1.1.2 Specification of the Equipment under Test (EUT)

Operating Frequency	LTE Band 12 Channel Bandwidth: 1.4MHz: 699.7 MHz ~ 715.3 MHz Channel Bandwidth: 3MHz: 700.5 MHz ~ 714.5 MHz Channel Bandwidth: 5MHz: 701.5 MHz ~ 713.5 MHz Channel Bandwidth: 10MHz: 704 MHz ~ 711 MHz LTE Band 17 Channel Bandwidth: 5MHz: 706.5 MHz ~ 713.5 MHz Channel Bandwidth: 10MHz: 709 MHz ~ 711 MHz
Modulation Type	QPSK, 16QAM (Uplink)
Duplex Mode	FDD
Release Version	10
UE category	Cat. 4

1.1.3 Antenna Details

Ant. No.	Type	Connector	Gain (dBi)	Remark
1	Monopole	No	-12.9	---

1.1.4 EUT Operational Condition

Supply Voltage	3.8Vdc from battery: 9Vdc,1.5A from adapter (No bundle, support unit only)		
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (55°C)	☒ Tmin (-10°C)

1.1.5 Accessories

No.	Equipment	Description
1	Battery	Brand: FUJITSU CONNECTED TECHNOLOGIES LIMITED Model Name: CA54310-0074 Power Rating: 3.8Vdc, 2,780mAh, 10.6Wh

1.1.6 Maximum ERP and Emission Designator

Mode	Modulation	Maximum ERP (W)	Emission Designator
LTE Band 12, CB: 1.4MHz	QPSK	0.00652	1M08G7D
LTE Band 12, CB: 1.4MHz	16QAM	0.00524	1M08W7D
LTE Band 12, CB: 3MHz	QPSK	0.00612	2M68G7D
LTE Band 12, CB: 3MHz	16QAM	0.00515	2M68W7D
LTE Band 12, CB: 5MHz	QPSK	0.00656	4M47G7D
LTE Band 12, CB: 5MHz	16QAM	0.00485	4M46W7D
LTE Band 12, CB: 10MHz	QPSK	0.00662	8M93G7D
LTE Band 12, CB: 10MHz	16QAM	0.00508	8M92W7D
LTE Band 17, CB: 5MHz	QPSK	0.00664	4M46G7D
LTE Band 17, CB: 5MHz	16QAM	0.00467	4M46W7D
LTE Band 17, CB: 10MHz	QPSK	0.00667	8M92G7D
LTE Band 17, CB: 10MHz	16QAM	0.00501	8M91W7D

1.1.7 Operating Channel List

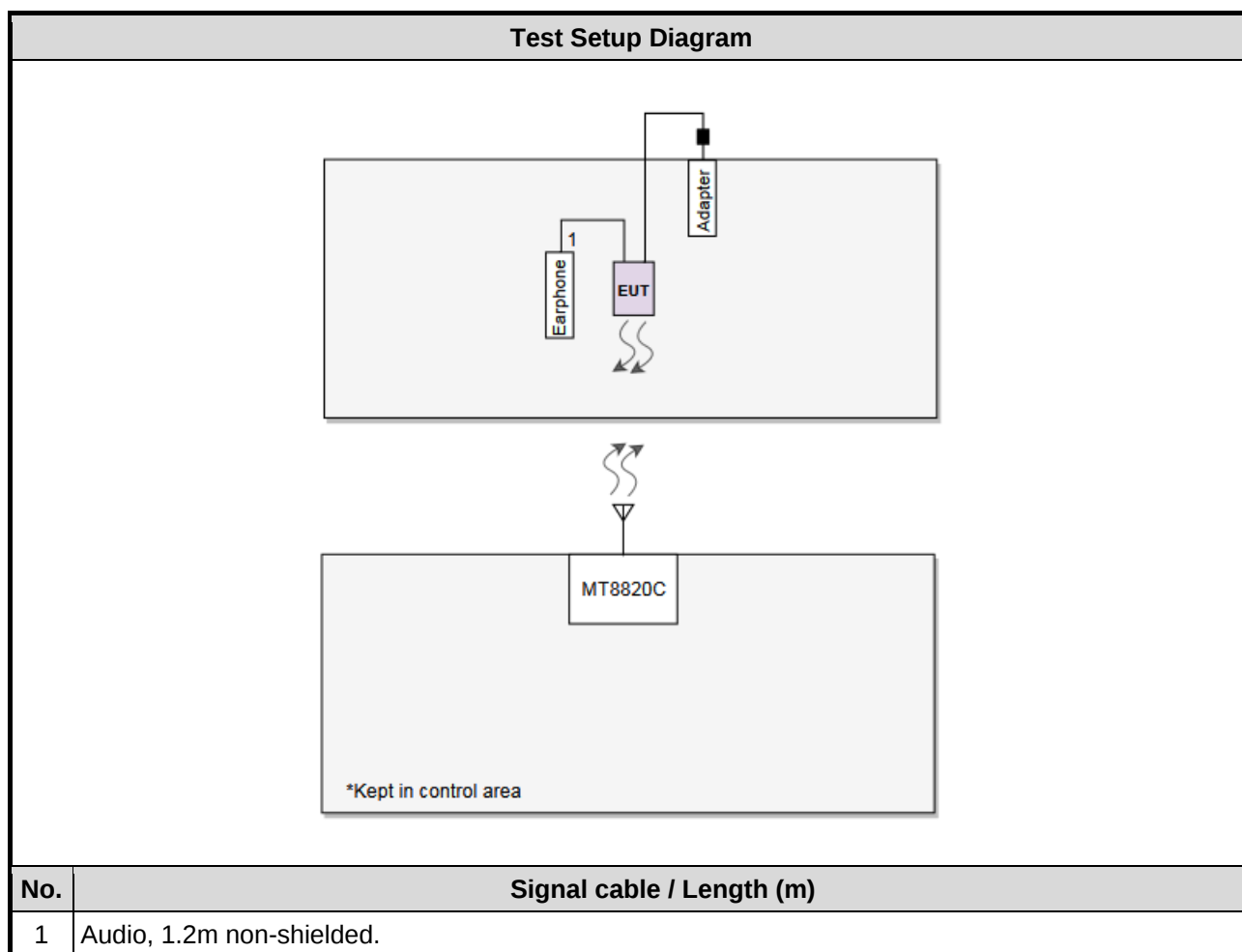
LTE Band 12		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
1.4	23017	699.7
1.4	23095	707.5
1.4	23173	715.3
3	23025	700.5
3	23095	707.5
3	23165	714.5
5	23035	701.5
5	23095	707.5
5	23155	713.5
10	23060	704.0
10	23095	707.5
10	23130	711.0

LTE Band 17		
Channel Bandwidth (MHz)	Channel	Frequency (MHz)
5	23755	706.5
5	23790	710.0
5	23825	713.5
10	23780	709.0
10	23790	710.0
10	23800	711.0

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	S/N	Remarks
1	Earphone	APPLE	MD827FE/A	6	---
2	Adapter	NTT docomo	AC Adapter 06	---	Provided by applicant.

1.3 Test Setup Chart



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
Spectrum Analyzer	R&S	FSV40	101498	Dec. 17, 2019	Dec. 16, 2020
Receiver	R&S	ESR3	101658	Dec. 12, 2019	Dec. 11, 2020
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
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2019	Nov. 14, 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
Preamplifier	EMC	EMC184045B	980192	Aug. 01, 2019	Jul. 31, 2020
RF Cable	EMC	EMC104-SM-SM-80 00	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-N M-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. 17, 2019	Apr. 16, 2020
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
Radio Communication Analyzer	Anritsu	MT8820C	6201240341	Apr. 12, 2019	Apr. 11, 2020
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 02, 2019	Dec. 01, 2020
Measurement Software	Sporton	SENSE-FCC_2G-4G	V5.10.5	NA	NA

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

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards.

47 CFR FCC Part 27

ANSI C63.4-2014

ANSI C63.26-2015

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.139 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Conducted emission	± 2.680 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB
Time	$\pm 0.1\%$
Temperature	$\pm 0.8^{\circ}\text{C}$

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	22°C / 67-68%	Akun Chung
RF Conducted	TH01-WS	18-24°C / 60-66%	Aska Huang

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISSED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

LTE Band 12			
Test item	Channel Bandwidths	Modulation	Test Frequency (MHz)
E.R.P	1.4 MHz	QPSK / 16QAM	699.7 / 707.5 / 715.3
Conducted Emissions	3 MHz	QPSK / 16QAM	700.5 / 707.5 / 714.5
Occupied Bandwidth	5 MHz	QPSK / 16QAM	701.5 / 707.5 / 713.5
Peak to Average Ratio	10 MHz	QPSK / 16QAM	704.0 / 707.5 / 711.0
Radiated Emission ≤ 1GHz	1.4 MHz	QPSK	699.7
	3 MHz	QPSK	700.5
	5 MHz	QPSK	707.5
	10 MHz	QPSK	707.5
Radiated Emission > 1GHz	1.4 MHz	QPSK	699.7 / 707.5 / 715.3
	3 MHz	QPSK	700.5 / 707.5 / 714.5
	5 MHz	QPSK	701.5 / 707.5 / 713.5
	10 MHz	QPSK	704.0 / 707.5 / 711.0
Band Edge	1.4 MHz	QPSK / 16QAM	699.7 / 715.3
	3 MHz	QPSK / 16QAM	700.5 / 714.5
	5 MHz	QPSK / 16QAM	701.5 / 713.5
	10 MHz	QPSK / 16QAM	704.0 / 711.0
Frequency Stability	1.4 MHz	QPSK	707.5
	3 MHz	QPSK	707.5
	5 MHz	QPSK	707.5
	10 MHz	QPSK	707.5
NOTE:			
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report.			

LTE Band 17			
Test item	Channel Bandwidth	Modulation	Test Frequency (MHz)
E.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio	5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM	706.5 / 710.0 / 713.5 709.0 / 710.0 / 711.0
Radiated Emission $\leq$ 1GHz	5 MHz 10 MHz	QPSK QPSK	706.5 710.0
Radiated Emission > 1GHz	5 MHz 10 MHz	QPSK QPSK	23755, 23790, 23825 23780, 23790, 23800
Band Edge	5 MHz 10 MHz	QPSK / 16QAM QPSK / 16QAM	23755, 23825 23780, 23800
Frequency Stability	5 MHz 10 MHz	QPSK QPSK	710.0 710.0
Note:			
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report.			

3 Test Results

3.1 Effective Radiated Power

3.1.1 Limit of Effective Radiated Power

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

3.1.2 Test Procedures

For E.R.P measurement

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

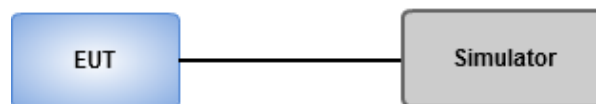
1. $EIRP = P_T + G_T - L_C$
 P_T = transmitter output power, in dBm.
 G_T = gain of the transmitting antenna, in dBi (EIRP).
 L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.
2. $ERP = EIRP - 2.15 \text{ dB}$.

For Conducted power measurement

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

3.1.3 Test Setup

Conducted Power Measurement



3.1.4 Test Result of Conducted power (dBm)

Band / Channel Bandwidth			LTE Band 12 / CB: 1.4MHz		
Channel			23017	23095	23173
Frequency (MHz)			699.7	707.5	715.3
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	23.00	22.93	22.82
	1	3	23.14	23.02	23.02
	1	5	23.13	23.00	22.96
	3	0	23.04	23.02	23.04
	3	1	23.19	23.17	23.04
	3	3	23.17	23.17	23.10
	6	0	22.09	22.12	22.01
16QAM	1	0	21.94	21.88	21.84
	1	3	22.14	22.05	22.00
	1	5	22.24	22.24	21.81
	3	0	22.17	22.04	21.99
	3	1	22.15	22.08	21.99
	3	3	22.14	22.19	22.00
	6	0	21.18	21.02	21.01

Band / Channel Bandwidth			LTE Band 12 / CB: 3MHz		
Channel			23025	23095	23165
Frequency (MHz)			700.5	707.5	714.5
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.92	22.63	22.79
	1	8	22.91	22.68	22.79
	1	14	22.66	22.64	22.63
	8	0	22.06	22.00	22.10
	8	4	22.21	22.24	22.02
	8	7	22.12	22.16	22.01
	15	0	22.22	22.03	21.99
16QAM	1	0	22.17	21.85	21.85
	1	8	21.81	21.85	21.74
	1	14	21.97	21.76	21.81
	8	0	21.08	21.02	21.03
	8	4	21.11	21.01	21.08
	8	7	21.20	21.12	21.07
	15	0	20.85	20.89	21.02

Band / Channel Bandwidth			LTE Band 12 / CB: 5MHz		
Channel			23035	23095	23155
Frequency (MHz)			701.5	707.5	713.5
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.67	22.56	22.45
	1	12	23.21	23.22	23.07
	1	24	22.80	22.57	22.57
	12	0	22.12	22.07	21.96
	12	7	22.21	22.18	22.00
	12	13	22.14	22.11	22.07
	25	0	22.14	22.14	21.96
16QAM	1	0	21.82	21.76	21.62
	1	12	21.91	21.85	21.76
	1	24	21.91	21.68	21.57
	12	0	21.07	21.01	21.06
	12	7	21.14	21.16	21.12
	12	13	21.08	21.02	20.89
	25	0	21.29	21.08	20.99

Band / Channel Bandwidth			LTE Band 12 / CB: 10MHz		
Channel			23060	23095	23130
Frequency (MHz)			704	707.5	711
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.69	22.80	22.72
	1	25	23.11	23.26	23.07
	1	49	22.83	22.86	22.90
	25	0	22.10	22.10	21.96
	25	12	22.08	22.14	22.02
	25	25	21.98	22.08	22.02
	50	0	22.10	22.15	22.04
16QAM	1	0	21.69	21.79	21.72
	1	25	22.06	22.11	21.94
	1	49	21.73	21.83	21.71
	25	0	21.29	21.04	21.05
	25	12	21.01	21.08	20.96
	25	25	21.21	20.99	21.04
	50	0	21.13	21.12	21.07

Band / Channel Bandwidth			LTE Band 17 / CB: 5MHz		
Channel			23755	23790	23825
Frequency (MHz)			706.5	710.0	713.5
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.67	22.49	22.45
	1	12	23.27	23.12	23.11
	1	24	22.70	22.61	22.60
	12	0	21.96	22.08	22.03
	12	7	21.98	22.10	21.99
	12	13	22.05	22.05	21.96
	25	0	22.00	22.03	21.96
16QAM	1	0	21.71	21.66	21.71
	1	12	21.65	21.72	21.70
	1	24	21.71	21.74	21.74
	12	0	20.76	20.70	20.77
	12	7	21.02	20.73	21.01
	12	13	20.93	20.83	20.94
	25	0	21.04	20.86	21.20

Band / Channel Bandwidth			LTE Band 17 / CB: 10MHz		
Channel			23780	23790	23800
Frequency (MHz)			709.0	710.0	711.0
Mode	RB	RB Offset	Maximum AV Power (dBm)		
QPSK	1	0	22.69	22.64	22.61
	1	25	23.15	23.29	22.85
	1	49	22.79	22.65	22.69
	25	0	22.08	22.03	22.07
	25	12	22.12	22.08	22.00
	25	25	22.12	22.01	22.00
	50	0	22.11	22.02	22.03
16QAM	1	0	21.81	21.60	21.63
	1	25	22.05	21.98	21.98
	1	49	21.92	21.77	21.40
	25	0	21.01	21.05	20.89
	25	12	21.05	20.98	21.14
	25	25	21.34	21.23	21.04
	50	0	21.14	20.94	20.96

3.1.5 Test Result of Effective Radiated Power (dBm)

Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 12	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	23.19	0.208	8.14	0.00652
LTE_1.4MHz_Nss1,16QAM_1TX	22.24	0.167	7.19	0.00524
LTE_3MHz_Nss1,QPSK_1TX	22.92	0.196	7.87	0.00612
LTE_3MHz_Nss1,16QAM_1TX	22.17	0.165	7.12	0.00515
LTE_5MHz_Nss1,QPSK_1TX	23.22	0.210	8.17	0.00656
LTE_5MHz_Nss1,16QAM_1TX	21.91	0.155	6.86	0.00485
LTE_10MHz_Nss1,QPSK_1TX	23.26	0.212	8.21	0.00662
LTE_10MHz_Nss1,16QAM_1TX	22.11	0.163	7.06	0.00508

Result

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 12_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
699.7MHz_QPSK_RB 1,#RB 0	Pass	-12.90	10.10	7.95	0.00624	3	23.00	0.200	Inf	23
699.7MHz_QPSK_RB 1,#RB 3	Pass	-12.90	10.24	8.09	0.00644	3	23.14	0.206	Inf	23.14
699.7MHz_QPSK_RB 1,#RB 5	Pass	-12.90	10.23	8.08	0.00643	3	23.13	0.206	Inf	23.13
699.7MHz_QPSK_RB 3,#RB 0	Pass	-12.90	10.14	7.99	0.00630	3	23.04	0.201	Inf	23.04
699.7MHz_QPSK_RB 3,#RB 1	Pass	-12.90	10.29	8.14	0.00652	3	23.19	0.208	Inf	23.19
699.7MHz_QPSK_RB 3,#RB 3	Pass	-12.90	10.27	8.12	0.00649	3	23.17	0.207	Inf	23.17
699.7MHz_QPSK_RB 6,#RB 0	Pass	-12.90	9.19	7.04	0.00506	3	22.09	0.162	Inf	22.09
707.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	10.03	7.88	0.00614	3	22.93	0.196	Inf	22.93
707.5MHz_QPSK_RB 1,#RB 3	Pass	-12.90	10.12	7.97	0.00627	3	23.02	0.200	Inf	23.02
707.5MHz_QPSK_RB 1,#RB 5	Pass	-12.90	10.10	7.95	0.00624	3	23.00	0.200	Inf	23
707.5MHz_QPSK_RB 3,#RB 0	Pass	-12.90	10.12	7.97	0.00627	3	23.02	0.200	Inf	23.02
707.5MHz_QPSK_RB 3,#RB 1	Pass	-12.90	10.27	8.12	0.00649	3	23.17	0.207	Inf	23.17
707.5MHz_QPSK_RB 3,#RB 3	Pass	-12.90	10.27	8.12	0.00649	3	23.17	0.207	Inf	23.17
707.5MHz_QPSK_RB 6,#RB 0	Pass	-12.90	9.22	7.07	0.00509	3	22.12	0.163	Inf	22.12
715.3MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.92	7.77	0.00598	3	22.82	0.191	Inf	22.82
715.3MHz_QPSK_RB 1,#RB 3	Pass	-12.90	10.12	7.97	0.00627	3	23.02	0.200	Inf	23.02
715.3MHz_QPSK_RB 1,#RB 5	Pass	-12.90	10.06	7.91	0.00618	3	22.96	0.198	Inf	22.96
715.3MHz_QPSK_RB 3,#RB 0	Pass	-12.90	10.14	7.99	0.00630	3	23.04	0.201	Inf	23.04
715.3MHz_QPSK_RB 3,#RB 1	Pass	-12.90	10.14	7.99	0.00630	3	23.04	0.201	Inf	23.04
715.3MHz_QPSK_RB 3,#RB 3	Pass	-12.90	10.20	8.05	0.00638	3	23.10	0.204	Inf	23.1
715.3MHz_QPSK_RB 6,#RB 0	Pass	-12.90	9.11	6.96	0.00497	3	22.01	0.159	Inf	22.01
699.7MHz_16QAM_RB 1,#RB 0	Pass	-12.90	9.04	6.89	0.00489	3	21.94	0.156	Inf	21.94
699.7MHz_16QAM_RB 1,#RB 3	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
699.7MHz_16QAM_RB 1,#RB 5	Pass	-12.90	9.34	7.19	0.00524	3	22.24	0.167	Inf	22.24
699.7MHz_16QAM_RB 3,#RB 0	Pass	-12.90	9.27	7.12	0.00515	3	22.17	0.165	Inf	22.17
699.7MHz_16QAM_RB 3,#RB 1	Pass	-12.90	9.25	7.10	0.00513	3	22.15	0.164	Inf	22.15
699.7MHz_16QAM_RB 3,#RB 3	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
699.7MHz_16QAM_RB 6,#RB 0	Pass	-12.90	8.28	6.13	0.00410	3	21.18	0.131	Inf	21.18
707.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.98	6.83	0.00482	3	21.88	0.154	Inf	21.88
707.5MHz_16QAM_RB 1,#RB 3	Pass	-12.90	9.15	7.00	0.00501	3	22.05	0.160	Inf	22.05
707.5MHz_16QAM_RB 1,#RB 5	Pass	-12.90	9.34	7.19	0.00524	3	22.24	0.167	Inf	22.24
707.5MHz_16QAM_RB 3,#RB 0	Pass	-12.90	9.14	6.99	0.00500	3	22.04	0.160	Inf	22.04
707.5MHz_16QAM_RB 3,#RB 1	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
707.5MHz_16QAM_RB 3,#RB 3	Pass	-12.90	9.29	7.14	0.00518	3	22.19	0.166	Inf	22.19

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
707.5MHz_16QAM_RB 6,#RB 0	Pass	-12.90	8.12	5.97	0.00395	3	21.02	0.126	Inf	21.02
715.3MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.94	6.79	0.00478	3	21.84	0.153	Inf	21.84
715.3MHz_16QAM_RB 1,#RB 3	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
715.3MHz_16QAM_RB 1,#RB 5	Pass	-12.90	8.91	6.76	0.00474	3	21.81	0.152	Inf	21.81
715.3MHz_16QAM_RB 3,#RB 0	Pass	-12.90	9.09	6.94	0.00494	3	21.99	0.158	Inf	21.99
715.3MHz_16QAM_RB 3,#RB 1	Pass	-12.90	9.09	6.94	0.00494	3	21.99	0.158	Inf	21.99
715.3MHz_16QAM_RB 3,#RB 3	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
715.3MHz_16QAM_RB 6,#RB 0	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
Band 12_LTE_3MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
700.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	10.02	7.87	0.00612	3	22.92	0.196	Inf	22.92
700.5MHz_QPSK_RB 1,#RB 8	Pass	-12.90	10.01	7.86	0.00611	3	22.91	0.195	Inf	22.91
700.5MHz_QPSK_RB 1,#RB 14	Pass	-12.90	9.76	7.61	0.00577	3	22.66	0.185	Inf	22.66
700.5MHz_QPSK_RB 8,#RB 0	Pass	-12.90	9.16	7.01	0.00502	3	22.06	0.161	Inf	22.06
700.5MHz_QPSK_RB 8,#RB 4	Pass	-12.90	9.31	7.16	0.00520	3	22.21	0.166	Inf	22.21
700.5MHz_QPSK_RB 8,#RB 7	Pass	-12.90	9.22	7.07	0.00509	3	22.12	0.163	Inf	22.12
700.5MHz_QPSK_RB 15,#RB 0	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
707.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.73	7.58	0.00573	3	22.63	0.183	Inf	22.63
707.5MHz_QPSK_RB 1,#RB 8	Pass	-12.90	9.78	7.63	0.00579	3	22.68	0.185	Inf	22.68
707.5MHz_QPSK_RB 1,#RB 14	Pass	-12.90	9.74	7.59	0.00574	3	22.64	0.184	Inf	22.64
707.5MHz_QPSK_RB 8,#RB 0	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
707.5MHz_QPSK_RB 8,#RB 4	Pass	-12.90	9.34	7.19	0.00524	3	22.24	0.167	Inf	22.24
707.5MHz_QPSK_RB 8,#RB 7	Pass	-12.90	9.26	7.11	0.00514	3	22.16	0.164	Inf	22.16
707.5MHz_QPSK_RB 15,#RB 0	Pass	-12.90	9.13	6.98	0.00499	3	22.03	0.160	Inf	22.03
714.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.89	7.74	0.00594	3	22.79	0.190	Inf	22.79
714.5MHz_QPSK_RB 1,#RB 8	Pass	-12.90	9.89	7.74	0.00594	3	22.79	0.190	Inf	22.79
714.5MHz_QPSK_RB 1,#RB 14	Pass	-12.90	9.73	7.58	0.00573	3	22.63	0.183	Inf	22.63
714.5MHz_QPSK_RB 8,#RB 0	Pass	-12.90	9.20	7.05	0.00507	3	22.10	0.162	Inf	22.1
714.5MHz_QPSK_RB 8,#RB 4	Pass	-12.90	9.12	6.97	0.00498	3	22.02	0.159	Inf	22.02
714.5MHz_QPSK_RB 8,#RB 7	Pass	-12.90	9.11	6.96	0.00497	3	22.01	0.159	Inf	22.01
714.5MHz_QPSK_RB 15,#RB 0	Pass	-12.90	9.09	6.94	0.00494	3	21.99	0.158	Inf	21.99
700.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	9.27	7.12	0.00515	3	22.17	0.165	Inf	22.17
700.5MHz_16QAM_RB 1,#RB 8	Pass	-12.90	8.91	6.76	0.00474	3	21.81	0.152	Inf	21.81
700.5MHz_16QAM_RB 1,#RB 14	Pass	-12.90	9.07	6.92	0.00492	3	21.97	0.157	Inf	21.97
700.5MHz_16QAM_RB 8,#RB 0	Pass	-12.90	8.18	6.03	0.00401	3	21.08	0.128	Inf	21.08
700.5MHz_16QAM_RB 8,#RB 4	Pass	-12.90	8.21	6.06	0.00404	3	21.11	0.129	Inf	21.11

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
700.5MHz_16QAM_RB 8,#RB 7	Pass	-12.90	8.30	6.15	0.00412	3	21.20	0.132	Inf	21.2
700.5MHz_16QAM_RB 15,#RB 0	Pass	-12.90	7.95	5.80	0.00380	3	20.85	0.122	Inf	20.85
707.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.95	6.80	0.00479	3	21.85	0.153	Inf	21.85
707.5MHz_16QAM_RB 1,#RB 8	Pass	-12.90	8.95	6.80	0.00479	3	21.85	0.153	Inf	21.85
707.5MHz_16QAM_RB 1,#RB 14	Pass	-12.90	8.86	6.71	0.00469	3	21.76	0.150	Inf	21.76
707.5MHz_16QAM_RB 8,#RB 0	Pass	-12.90	8.12	5.97	0.00395	3	21.02	0.126	Inf	21.02
707.5MHz_16QAM_RB 8,#RB 4	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
707.5MHz_16QAM_RB 8,#RB 7	Pass	-12.90	8.22	6.07	0.00405	3	21.12	0.129	Inf	21.12
707.5MHz_16QAM_RB 15,#RB 0	Pass	-12.90	7.99	5.84	0.00384	3	20.89	0.123	Inf	20.89
714.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.95	6.80	0.00479	3	21.85	0.153	Inf	21.85
714.5MHz_16QAM_RB 1,#RB 8	Pass	-12.90	8.84	6.69	0.00467	3	21.74	0.149	Inf	21.74
714.5MHz_16QAM_RB 1,#RB 14	Pass	-12.90	8.91	6.76	0.00474	3	21.81	0.152	Inf	21.81
714.5MHz_16QAM_RB 8,#RB 0	Pass	-12.90	8.13	5.98	0.00396	3	21.03	0.127	Inf	21.03
714.5MHz_16QAM_RB 8,#RB 4	Pass	-12.90	8.18	6.03	0.00401	3	21.08	0.128	Inf	21.08
714.5MHz_16QAM_RB 8,#RB 7	Pass	-12.90	8.17	6.02	0.00400	3	21.07	0.128	Inf	21.07
714.5MHz_16QAM_RB 15,#RB 0	Pass	-12.90	8.12	5.97	0.00395	3	21.02	0.126	Inf	21.02
Band 12_LTE_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
701.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.77	7.62	0.00578	3	22.67	0.185	Inf	22.67
701.5MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.31	8.16	0.00655	3	23.21	0.209	Inf	23.21
701.5MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.90	7.75	0.00596	3	22.80	0.191	Inf	22.8
701.5MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.22	7.07	0.00509	3	22.12	0.163	Inf	22.12
701.5MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.31	7.16	0.00520	3	22.21	0.166	Inf	22.21
701.5MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
701.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
707.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.66	7.51	0.00564	3	22.56	0.180	Inf	22.56
707.5MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.32	8.17	0.00656	3	23.22	0.210	Inf	23.22
707.5MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.67	7.52	0.00565	3	22.57	0.181	Inf	22.57
707.5MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.17	7.02	0.00504	3	22.07	0.161	Inf	22.07
707.5MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.28	7.13	0.00516	3	22.18	0.165	Inf	22.18
707.5MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.21	7.06	0.00508	3	22.11	0.163	Inf	22.11
707.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
713.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.55	7.40	0.00550	3	22.45	0.176	Inf	22.45
713.5MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.17	8.02	0.00634	3	23.07	0.203	Inf	23.07
713.5MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.67	7.52	0.00565	3	22.57	0.181	Inf	22.57
713.5MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
713.5MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
713.5MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.17	7.02	0.00504	3	22.07	0.161	Inf	22.07
713.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96
701.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.92	6.77	0.00475	3	21.82	0.152	Inf	21.82
701.5MHz_16QAM_RB 1,#RB 12	Pass	-12.90	9.01	6.86	0.00485	3	21.91	0.155	Inf	21.91
701.5MHz_16QAM_RB 1,#RB 24	Pass	-12.90	9.01	6.86	0.00485	3	21.91	0.155	Inf	21.91
701.5MHz_16QAM_RB 12,#RB 0	Pass	-12.90	8.17	6.02	0.00400	3	21.07	0.128	Inf	21.07
701.5MHz_16QAM_RB 12,#RB 7	Pass	-12.90	8.24	6.09	0.00406	3	21.14	0.130	Inf	21.14
701.5MHz_16QAM_RB 12,#RB 13	Pass	-12.90	8.18	6.03	0.00401	3	21.08	0.128	Inf	21.08
701.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.39	6.24	0.00421	3	21.29	0.135	Inf	21.29
707.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.86	6.71	0.00469	3	21.76	0.150	Inf	21.76
707.5MHz_16QAM_RB 1,#RB 12	Pass	-12.90	8.95	6.80	0.00479	3	21.85	0.153	Inf	21.85
707.5MHz_16QAM_RB 1,#RB 24	Pass	-12.90	8.78	6.63	0.00460	3	21.68	0.147	Inf	21.68
707.5MHz_16QAM_RB 12,#RB 0	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
707.5MHz_16QAM_RB 12,#RB 7	Pass	-12.90	8.26	6.11	0.00408	3	21.16	0.131	Inf	21.16
707.5MHz_16QAM_RB 12,#RB 13	Pass	-12.90	8.12	5.97	0.00395	3	21.02	0.126	Inf	21.02
707.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.18	6.03	0.00401	3	21.08	0.128	Inf	21.08
713.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.72	6.57	0.00454	3	21.62	0.145	Inf	21.62
713.5MHz_16QAM_RB 1,#RB 12	Pass	-12.90	8.86	6.71	0.00469	3	21.76	0.150	Inf	21.76
713.5MHz_16QAM_RB 1,#RB 24	Pass	-12.90	8.67	6.52	0.00449	3	21.57	0.144	Inf	21.57
713.5MHz_16QAM_RB 12,#RB 0	Pass	-12.90	8.16	6.01	0.00399	3	21.06	0.128	Inf	21.06
713.5MHz_16QAM_RB 12,#RB 7	Pass	-12.90	8.22	6.07	0.00405	3	21.12	0.129	Inf	21.12
713.5MHz_16QAM_RB 12,#RB 13	Pass	-12.90	7.99	5.84	0.00384	3	20.89	0.123	Inf	20.89
713.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.09	5.94	0.00393	3	20.99	0.126	Inf	20.99
Band 12_LTE_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
704MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.79	7.64	0.00581	3	22.69	0.186	Inf	22.69
704MHz_QPSK_RB 1,#RB 25	Pass	-12.90	10.21	8.06	0.00640	3	23.11	0.205	Inf	23.11
704MHz_QPSK_RB 1,#RB 49	Pass	-12.90	9.93	7.78	0.00600	3	22.83	0.192	Inf	22.83
704MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.20	7.05	0.00507	3	22.10	0.162	Inf	22.1
704MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
704MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.08	6.93	0.00493	3	21.98	0.158	Inf	21.98
704MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.20	7.05	0.00507	3	22.10	0.162	Inf	22.1
707.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.90	7.75	0.00596	3	22.80	0.191	Inf	22.8
707.5MHz_QPSK_RB 1,#RB 25	Pass	-12.90	10.36	8.21	0.00662	3	23.26	0.212	Inf	23.26
707.5MHz_QPSK_RB 1,#RB 49	Pass	-12.90	9.96	7.81	0.00604	3	22.86	0.193	Inf	22.86

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
707.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.20	7.05	0.00507	3	22.10	0.162	Inf	22.1
707.5MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.24	7.09	0.00512	3	22.14	0.164	Inf	22.14
707.5MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
707.5MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.25	7.10	0.00513	3	22.15	0.164	Inf	22.15
711MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.82	7.67	0.00585	3	22.72	0.187	Inf	22.72
711MHz_QPSK_RB 1,#RB 25	Pass	-12.90	10.17	8.02	0.00634	3	23.07	0.203	Inf	23.07
711MHz_QPSK_RB 1,#RB 49	Pass	-12.90	10.00	7.85	0.00610	3	22.90	0.195	Inf	22.9
711MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96
711MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.12	6.97	0.00498	3	22.02	0.159	Inf	22.02
711MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.12	6.97	0.00498	3	22.02	0.159	Inf	22.02
711MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.14	6.99	0.00500	3	22.04	0.160	Inf	22.04
704MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.79	6.64	0.00461	3	21.69	0.148	Inf	21.69
704MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.16	7.01	0.00502	3	22.06	0.161	Inf	22.06
704MHz_16QAM_RB 1,#RB 49	Pass	-12.90	8.83	6.68	0.00466	3	21.73	0.149	Inf	21.73
704MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.39	6.24	0.00421	3	21.29	0.135	Inf	21.29
704MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
704MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.31	6.16	0.00413	3	21.21	0.132	Inf	21.21
704MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.23	6.08	0.00406	3	21.13	0.130	Inf	21.13
707.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.89	6.74	0.00472	3	21.79	0.151	Inf	21.79
707.5MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.21	7.06	0.00508	3	22.11	0.163	Inf	22.11
707.5MHz_16QAM_RB 1,#RB 49	Pass	-12.90	8.93	6.78	0.00476	3	21.83	0.152	Inf	21.83
707.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.14	5.99	0.00397	3	21.04	0.127	Inf	21.04
707.5MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.18	6.03	0.00401	3	21.08	0.128	Inf	21.08
707.5MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.09	5.94	0.00393	3	20.99	0.126	Inf	20.99
707.5MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.22	6.07	0.00405	3	21.12	0.129	Inf	21.12
711MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.82	6.67	0.00465	3	21.72	0.149	Inf	21.72
711MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.04	6.89	0.00489	3	21.94	0.156	Inf	21.94
711MHz_16QAM_RB 1,#RB 49	Pass	-12.90	8.81	6.66	0.00463	3	21.71	0.148	Inf	21.71
711MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.15	6.00	0.00398	3	21.05	0.127	Inf	21.05
711MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.06	5.91	0.00390	3	20.96	0.125	Inf	20.96
711MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.14	5.99	0.00397	3	21.04	0.127	Inf	21.04
711MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.17	6.02	0.00400	3	21.07	0.128	Inf	21.07

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

Summary

Mode	Power (dBm)	Power (W)	ERP (dBm)	ERP (W)
Band 17	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	23.27	0.212	8.22	0.00664
LTE_5MHz_Nss1,16QAM_1TX	21.74	0.149	6.69	0.00467
LTE_10MHz_Nss1,QPSK_1TX	23.29	0.213	8.24	0.00667
LTE_10MHz_Nss1,16QAM_1TX	22.05	0.160	7.00	0.00501

Result

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
Band 17_LTE_5MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
706.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.77	7.62	0.00578	3	22.67	0.185	Inf	22.67
706.5MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.37	8.22	0.00664	3	23.27	0.212	Inf	23.27
706.5MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.80	7.65	0.00582	3	22.70	0.186	Inf	22.7
706.5MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96
706.5MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.08	6.93	0.00493	3	21.98	0.158	Inf	21.98
706.5MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.15	7.00	0.00501	3	22.05	0.160	Inf	22.05
706.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
710MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.59	7.44	0.00555	3	22.49	0.177	Inf	22.49
710MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.22	8.07	0.00641	3	23.12	0.205	Inf	23.12
710MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.71	7.56	0.00570	3	22.61	0.182	Inf	22.61
710MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
710MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.20	7.05	0.00507	3	22.10	0.162	Inf	22.1
710MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.15	7.00	0.00501	3	22.05	0.160	Inf	22.05
710MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.13	6.98	0.00499	3	22.03	0.160	Inf	22.03
713.5MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.55	7.40	0.00550	3	22.45	0.176	Inf	22.45
713.5MHz_QPSK_RB 1,#RB 12	Pass	-12.90	10.21	8.06	0.00640	3	23.11	0.205	Inf	23.11
713.5MHz_QPSK_RB 1,#RB 24	Pass	-12.90	9.70	7.55	0.00569	3	22.60	0.182	Inf	22.6
713.5MHz_QPSK_RB 12,#RB 0	Pass	-12.90	9.13	6.98	0.00499	3	22.03	0.160	Inf	22.03
713.5MHz_QPSK_RB 12,#RB 7	Pass	-12.90	9.09	6.94	0.00494	3	21.99	0.158	Inf	21.99
713.5MHz_QPSK_RB 12,#RB 13	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96
713.5MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.06	6.91	0.00491	3	21.96	0.157	Inf	21.96
706.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.81	6.66	0.00463	3	21.71	0.148	Inf	21.71
706.5MHz_16QAM_RB 1,#RB 12	Pass	-12.90	8.75	6.60	0.00457	3	21.65	0.146	Inf	21.65
706.5MHz_16QAM_RB 1,#RB 24	Pass	-12.90	8.81	6.66	0.00463	3	21.71	0.148	Inf	21.71
706.5MHz_16QAM_RB 12,#RB 0	Pass	-12.90	7.86	5.71	0.00372	3	20.76	0.119	Inf	20.76
706.5MHz_16QAM_RB 12,#RB 7	Pass	-12.90	8.12	5.97	0.00395	3	21.02	0.126	Inf	21.02
706.5MHz_16QAM_RB 12,#RB 13	Pass	-12.90	8.03	5.88	0.00387	3	20.93	0.124	Inf	20.93
706.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.14	5.99	0.00397	3	21.04	0.127	Inf	21.04
710MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.76	6.61	0.00458	3	21.66	0.147	Inf	21.66
710MHz_16QAM_RB 1,#RB 12	Pass	-12.90	8.82	6.67	0.00465	3	21.72	0.149	Inf	21.72
710MHz_16QAM_RB 1,#RB 24	Pass	-12.90	8.84	6.69	0.00467	3	21.74	0.149	Inf	21.74
710MHz_16QAM_RB 12,#RB 0	Pass	-12.90	7.80	5.65	0.00367	3	20.70	0.117	Inf	20.7
710MHz_16QAM_RB 12,#RB 7	Pass	-12.90	7.83	5.68	0.00370	3	20.73	0.118	Inf	20.73
710MHz_16QAM_RB 12,#RB 13	Pass	-12.90	7.93	5.78	0.00378	3	20.83	0.121	Inf	20.83

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
710MHz_16QAM_RB 25,#RB 0	Pass	-12.90	7.96	5.81	0.00381	3	20.86	0.122	Inf	20.86
713.5MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.81	6.66	0.00463	3	21.71	0.148	Inf	21.71
713.5MHz_16QAM_RB 1,#RB 12	Pass	-12.90	8.80	6.65	0.00462	3	21.70	0.148	Inf	21.7
713.5MHz_16QAM_RB 1,#RB 24	Pass	-12.90	8.84	6.69	0.00467	3	21.74	0.149	Inf	21.74
713.5MHz_16QAM_RB 12,#RB 0	Pass	-12.90	7.87	5.72	0.00373	3	20.77	0.119	Inf	20.77
713.5MHz_16QAM_RB 12,#RB 7	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
713.5MHz_16QAM_RB 12,#RB 13	Pass	-12.90	8.04	5.89	0.00388	3	20.94	0.124	Inf	20.94
713.5MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.30	6.15	0.00412	3	21.20	0.132	Inf	21.2
Band 17_LTE_10MHz_Nss1_1TX	-	-	-	-	-	-	-	-	-	-
709MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.79	7.64	0.00581	3	22.69	0.186	Inf	22.69
709MHz_QPSK_RB 1,#RB 25	Pass	-12.90	10.25	8.10	0.00646	3	23.15	0.207	Inf	23.15
709MHz_QPSK_RB 1,#RB 49	Pass	-12.90	9.89	7.74	0.00594	3	22.79	0.190	Inf	22.79
709MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
709MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.22	7.07	0.00509	3	22.12	0.163	Inf	22.12
709MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.22	7.07	0.00509	3	22.12	0.163	Inf	22.12
709MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.21	7.06	0.00508	3	22.11	0.163	Inf	22.11
710MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.74	7.59	0.00574	3	22.64	0.184	Inf	22.64
710MHz_QPSK_RB 1,#RB 25	Pass	-12.90	10.39	8.24	0.00667	3	23.29	0.213	Inf	23.29
710MHz_QPSK_RB 1,#RB 49	Pass	-12.90	9.75	7.60	0.00575	3	22.65	0.184	Inf	22.65
710MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.13	6.98	0.00499	3	22.03	0.160	Inf	22.03
710MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.18	7.03	0.00505	3	22.08	0.161	Inf	22.08
710MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.11	6.96	0.00497	3	22.01	0.159	Inf	22.01
710MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.12	6.97	0.00498	3	22.02	0.159	Inf	22.02
711MHz_QPSK_RB 1,#RB 0	Pass	-12.90	9.71	7.56	0.00570	3	22.61	0.182	Inf	22.61
711MHz_QPSK_RB 1,#RB 25	Pass	-12.90	9.95	7.80	0.00603	3	22.85	0.193	Inf	22.85
711MHz_QPSK_RB 1,#RB 49	Pass	-12.90	9.79	7.64	0.00581	3	22.69	0.186	Inf	22.69
711MHz_QPSK_RB 25,#RB 0	Pass	-12.90	9.17	7.02	0.00504	3	22.07	0.161	Inf	22.07
711MHz_QPSK_RB 25,#RB 12	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
711MHz_QPSK_RB 25,#RB 25	Pass	-12.90	9.10	6.95	0.00495	3	22.00	0.158	Inf	22
711MHz_QPSK_RB 50,#RB 0	Pass	-12.90	9.13	6.98	0.00499	3	22.03	0.160	Inf	22.03
709MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.91	6.76	0.00474	3	21.81	0.152	Inf	21.81
709MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.15	7.00	0.00501	3	22.05	0.160	Inf	22.05
709MHz_16QAM_RB 1,#RB 49	Pass	-12.90	9.02	6.87	0.00486	3	21.92	0.156	Inf	21.92
709MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.11	5.96	0.00394	3	21.01	0.126	Inf	21.01
709MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.15	6.00	0.00398	3	21.05	0.127	Inf	21.05

Mode	Result	DG (dBi)	EIRP (dBm)	ERP (dBm)	ERP (W)	ERP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)
709MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.44	6.29	0.00426	3	21.34	0.136	Inf	21.34
709MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.24	6.09	0.00406	3	21.14	0.130	Inf	21.14
710MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.70	6.55	0.00452	3	21.60	0.145	Inf	21.6
710MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.08	6.93	0.00493	3	21.98	0.158	Inf	21.98
710MHz_16QAM_RB 1,#RB 49	Pass	-12.90	8.87	6.72	0.00470	3	21.77	0.150	Inf	21.77
710MHz_16QAM_RB 25,#RB 0	Pass	-12.90	8.15	6.00	0.00398	3	21.05	0.127	Inf	21.05
710MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.08	5.93	0.00392	3	20.98	0.125	Inf	20.98
710MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.33	6.18	0.00415	3	21.23	0.133	Inf	21.23
710MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.04	5.89	0.00388	3	20.94	0.124	Inf	20.94
711MHz_16QAM_RB 1,#RB 0	Pass	-12.90	8.73	6.58	0.00455	3	21.63	0.146	Inf	21.63
711MHz_16QAM_RB 1,#RB 25	Pass	-12.90	9.08	6.93	0.00493	3	21.98	0.158	Inf	21.98
711MHz_16QAM_RB 1,#RB 49	Pass	-12.90	8.50	6.35	0.00432	3	21.40	0.138	Inf	21.4
711MHz_16QAM_RB 25,#RB 0	Pass	-12.90	7.99	5.84	0.00384	3	20.89	0.123	Inf	20.89
711MHz_16QAM_RB 25,#RB 12	Pass	-12.90	8.24	6.09	0.00406	3	21.14	0.130	Inf	21.14
711MHz_16QAM_RB 25,#RB 25	Pass	-12.90	8.14	5.99	0.00397	3	21.04	0.127	Inf	21.04
711MHz_16QAM_RB 50,#RB 0	Pass	-12.90	8.06	5.91	0.00390	3	20.96	0.125	Inf	20.96

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

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

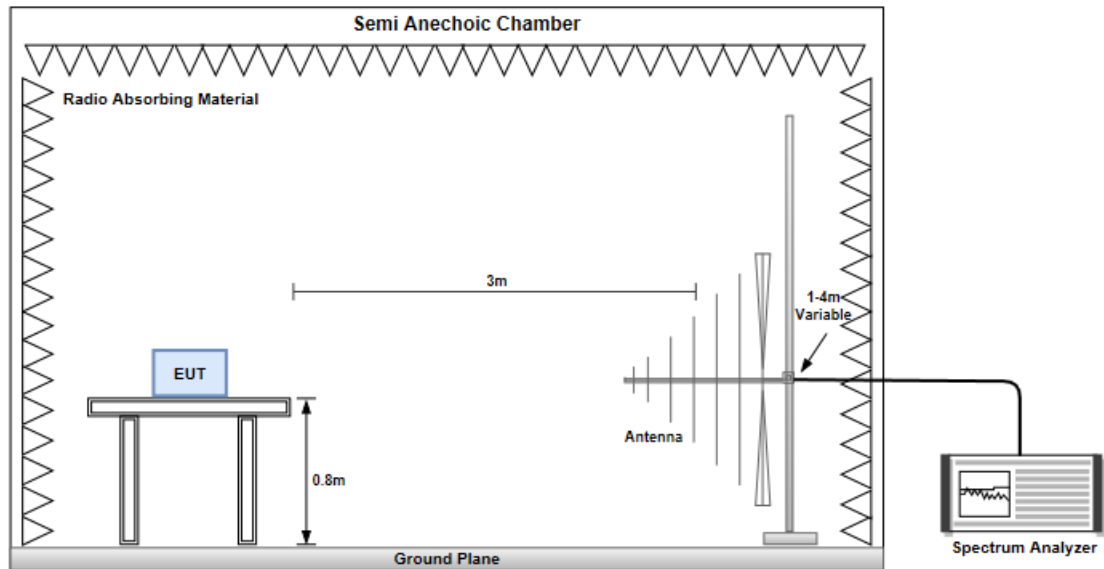
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

3.2.2 Test Procedures

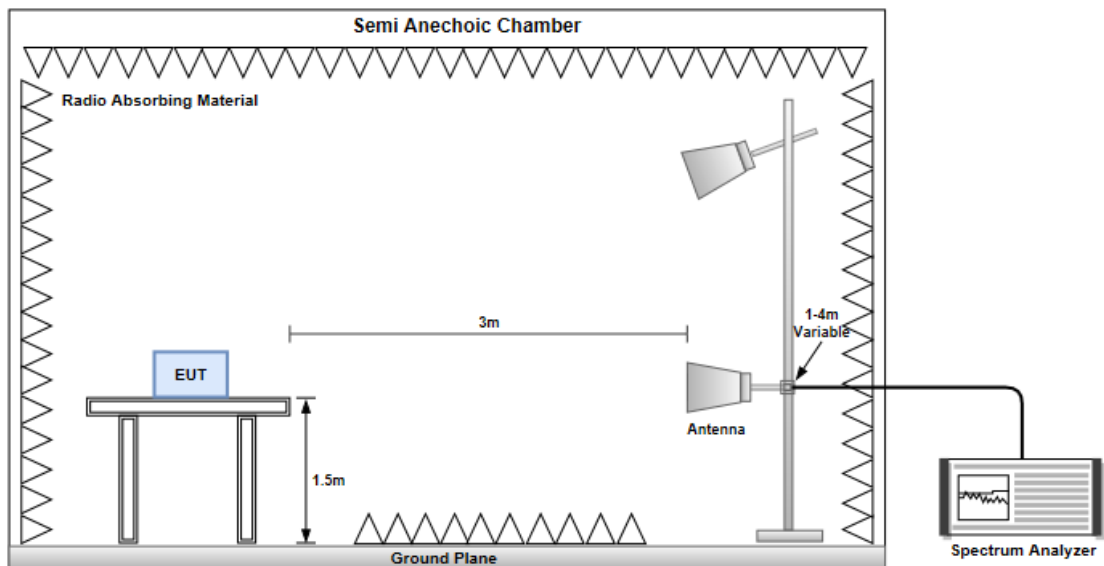
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.
4. After finding the max radiated emission, substitution method will be used for getting effective radiated power. EUT will be removed and substitution antenna will be placed at same position. Signal generator will output CW signal to substitution antenna through a RF cable. Rotate turntable and move antenna to find maximum radiated emission. Adjust output power of signal generator to let the maximum radiated emission is same as step 3. Record the output power level.
5. $E.I.R.P = \text{output power of step 4} + \text{gain of substitution antenna} - \text{cable loss of RF cable}$. ERP can be calculated by below formula:
 $E.R.P = E.I.R.P - 2.15\text{dB}$.

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions below 1GHz

Mode	LTE Band 12, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 23017						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-69.62	-13.00	-56.62	-75.60	-48.02	-19.45
90.14	H	-73.32	-13.00	-60.32	-69.10	-66.26	-4.91
105.66	H	-77.64	-13.00	-64.64	-73.42	-70.18	-5.31
133.79	H	-78.77	-13.00	-65.77	-75.26	-70.08	-6.54
177.44	H	-78.94	-13.00	-65.94	-74.49	-71.83	-4.96
439.34	H	-74.97	-13.00	-61.97	-75.77	-71.52	-1.30
30.00	V	-68.65	-13.00	-55.65	-61.46	-47.05	-19.45
73.65	V	-73.00	-13.00	-60.00	-69.02	-61.51	-9.34
90.14	V	-64.91	-13.00	-51.91	-60.44	-57.85	-4.91
105.66	V	-72.38	-13.00	-59.38	-68.86	-64.92	-5.31
146.40	V	-76.40	-13.00	-63.40	-76.03	-67.65	-6.60
167.74	V	-75.64	-13.00	-62.64	-75.65	-67.80	-5.69

Mode	LTE Band 12, QPSK, CB:3 MHz, 1 RB Offset 0, Channel: 23025						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-70.17	-13.00	-57.17	-76.15	-48.57	-19.45
73.65	H	-71.20	-13.00	-58.20	-67.09	-59.71	-9.34
90.14	H	-73.26	-13.00	-60.26	-69.04	-66.20	-4.91
101.78	H	-77.70	-13.00	-64.70	-73.72	-70.44	-5.11
158.04	H	-79.51	-13.00	-66.51	-76.59	-71.04	-6.32
415.09	H	-76.45	-13.00	-63.45	-76.92	-73.04	-1.26
30.00	V	-71.61	-13.00	-58.61	-64.42	-50.01	-19.45
64.92	V	-76.08	-13.00	-63.08	-71.26	-61.68	-12.25
73.65	V	-75.49	-13.00	-62.49	-71.51	-64.00	-9.34
90.14	V	-64.53	-13.00	-51.53	-60.06	-57.47	-4.91
105.66	V	-73.75	-13.00	-60.75	-70.23	-66.29	-5.31
159.01	V	-75.74	-13.00	-62.74	-75.93	-67.30	-6.29

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

Mode	LTE Band 12, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-69.89	-13.00	-56.89	-75.87	-48.29	-19.45
41.64	H	-72.92	-13.00	-59.92	-77.29	-53.40	-17.37
90.14	H	-74.78	-13.00	-61.78	-70.56	-67.72	-4.91
105.66	H	-78.65	-13.00	-65.65	-74.43	-71.19	-5.31
161.92	H	-78.61	-13.00	-65.61	-75.51	-70.33	-6.13
439.34	H	-75.97	-13.00	-62.97	-76.77	-72.52	-1.30
30.00	V	-71.21	-13.00	-58.21	-64.02	-49.61	-19.45
33.88	V	-73.32	-13.00	-60.32	-66.44	-52.67	-18.50
76.56	V	-72.75	-13.00	-59.75	-69.41	-62.22	-8.38
90.14	V	-64.86	-13.00	-51.86	-60.39	-57.80	-4.91
105.66	V	-72.15	-13.00	-59.15	-68.63	-64.69	-5.31
167.74	V	-74.77	-13.00	-61.77	-74.78	-66.93	-5.69

Mode	LTE Band 12, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-69.84	-13.00	-56.84	-75.82	-48.24	-19.45
90.14	H	-74.36	-13.00	-61.36	-70.14	-67.30	-4.91
105.66	H	-77.70	-13.00	-64.70	-73.48	-70.24	-5.31
143.49	H	-79.00	-13.00	-66.00	-76.17	-70.18	-6.67
161.92	H	-79.35	-13.00	-66.35	-76.25	-71.07	-6.13
190.05	H	-79.57	-13.00	-66.57	-73.20	-73.58	-3.84
30.00	V	-70.17	-13.00	-57.17	-62.98	-48.57	-19.45
33.88	V	-73.93	-13.00	-60.93	-67.05	-53.28	-18.50
73.65	V	-75.03	-13.00	-62.03	-71.05	-63.54	-9.34
90.14	V	-65.10	-13.00	-52.10	-60.63	-58.04	-4.91
105.66	V	-73.20	-13.00	-60.20	-69.68	-65.74	-5.31
155.13	V	-76.05	-13.00	-63.05	-76.07	-67.51	-6.39

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

Mode	LTE Band 17, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23755						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.00	H	-69.75	-13.00	-56.75	-75.73	-48.15	-19.45
48.43	H	-73.99	-13.00	-60.99	-76.98	-55.48	-16.36
90.14	H	-74.14	-13.00	-61.14	-69.92	-67.08	-4.91
130.88	H	-78.86	-13.00	-65.86	-75.03	-70.27	-6.44
159.98	H	-79.42	-13.00	-66.42	-76.49	-71.00	-6.27
182.29	H	-79.58	-13.00	-66.58	-74.52	-72.87	-4.56
30.97	V	-69.83	-13.00	-56.83	-62.72	-48.47	-19.21
73.65	V	-72.80	-13.00	-59.80	-68.82	-61.31	-9.34
90.14	V	-62.47	-13.00	-49.47	-58.00	-55.41	-4.91
105.66	V	-70.13	-13.00	-57.13	-66.61	-62.67	-5.31
159.98	V	-75.07	-13.00	-62.07	-75.31	-66.65	-6.27
446.13	V	-71.66	-13.00	-58.66	-73.05	-68.20	-1.31

Mode	LTE Band 17, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23790						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
30.97	H	-69.37	-13.00	-56.37	-75.16	-48.01	-19.21
38.73	H	-71.30	-13.00	-58.30	-75.91	-51.39	-17.76
90.14	H	-72.03	-13.00	-59.03	-67.81	-64.97	-4.91
105.66	H	-77.40	-13.00	-64.40	-73.18	-69.94	-5.31
139.61	H	-78.27	-13.00	-65.27	-75.42	-69.37	-6.75
179.38	H	-79.52	-13.00	-66.52	-74.90	-72.55	-4.82
30.97	V	-70.43	-13.00	-57.43	-63.32	-49.07	-19.21
35.82	V	-73.66	-13.00	-60.66	-67.00	-53.38	-18.13
90.14	V	-64.08	-13.00	-51.08	-59.61	-57.02	-4.91
105.66	V	-72.39	-13.00	-59.39	-68.87	-64.93	-5.31
130.88	V	-75.63	-13.00	-62.63	-74.38	-67.04	-6.44
159.01	V	-73.65	-13.00	-60.65	-73.84	-65.21	-6.29

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

3.2.5 Test Result of Radiated Emissions above 1GHz

Mode	LTE Band 12, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 23017						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1399.40	H	-52.03	-13.00	-39.03	-56.48	-53.80	3.92
3498.50	H	-47.39	-13.00	-34.39	-59.45	-52.30	7.06
4198.20	H	-46.75	-13.00	-33.75	-59.01	-51.42	6.82
1399.40	V	-55.32	-13.00	-42.32	59.48	-57.09	3.92
3498.50	V	-46.47	-13.00	-33.47	-58.47	-51.38	7.06
4198.20	V	-49.85	-13.00	-36.85	-62.05	-54.52	6.82

Mode	LTE Band 12, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1415.00	H	-53.17	-13.00	-40.17	-57.60	-55.06	4.04
3537.50	H	-48.52	-13.00	-35.52	-60.97	-53.33	6.96
4245.00	H	-47.98	-13.00	-34.98	-60.38	-52.60	6.77
1415.00	V	-57.03	-13.00	-44.03	-61.21	-58.92	4.04
3537.50	V	-47.58	-13.00	-34.58	-59.93	-52.39	6.96
4245.00	V	-51.21	-13.00	-38.21	-63.56	-55.83	6.77

Mode	LTE Band 12, QPSK, CB:1.4 MHz, 1 RB Offset 3, Channel: 23173						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1430.60	H	-54.44	-13.00	-41.44	-58.84	-56.46	4.17
3576.50	H	-49.12	-13.00	-36.12	-61.96	-53.82	6.85
4291.80	H	-48.13	-13.00	-35.13	-60.68	-52.69	6.71
1430.60	V	-57.63	-13.00	-44.63	-61.82	-59.65	4.17
3576.50	V	-48.19	-13.00	-35.19	-60.87	-52.89	6.85
4291.80	V	-51.25	-13.00	-38.25	-63.77	-55.81	6.71

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

Mode	LTE Band 12, QPSK, CB:3 MHz, 1 RB Offset 0, Channel: 23025						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1398.80	H	-52.64	-13.00	-39.64	-57.09	-54.42	3.93
3497.00	H	-48.05	-13.00	-35.05	-60.15	-52.95	7.05
4196.40	H	-46.54	-13.00	-33.54	-58.81	-51.21	6.82
1398.80	V	-56.54	-13.00	-43.54	-60.71	-58.32	3.93
3497.00	V	-48.20	-13.00	-35.20	-60.24	-53.10	7.05
4196.40	V	-50.72	-13.00	-37.72	-62.93	-55.39	6.82

Mode	LTE Band 12, QPSK, CB:3 MHz, 1 RB Offset 0, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1415.00	H	-53.31	-13.00	-40.31	-57.74	-55.20	4.04
3537.50	H	-48.37	-13.00	-35.37	-60.82	-53.18	6.96
4245.00	H	-46.70	-13.00	-33.70	-59.10	-51.32	6.77
1415.00	V	-57.24	-13.00	-44.24	-61.42	-59.13	4.04
3537.50	V	-48.50	-13.00	-35.50	-60.85	-53.31	6.96
4245.00	V	-51.24	-13.00	-38.24	-63.59	-55.86	6.77

Mode	LTE Band 12, QPSK, CB:3 MHz, 1 RB Offset 0, Channel: 23165						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1429.00	H	-53.88	-13.00	-40.88	-58.29	-55.89	4.16
3572.50	H	-48.27	-13.00	-35.27	-61.07	-52.98	6.86
4287.00	H	-47.04	-13.00	-34.04	-59.57	-51.61	6.72
1429.00	V	-56.81	-13.00	-43.81	-61.00	-58.82	4.16
3572.50	V	-47.57	-13.00	-34.57	-60.22	-52.28	6.86
4287.00	V	-50.48	-13.00	-37.48	-62.99	-55.05	6.72

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

Mode	LTE Band 12, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23035						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1403.00	H	-54.68	-13.00	-41.68	-59.13	-56.47	3.94
3507.50	H	-47.96	-13.00	-34.96	-60.11	-52.85	7.04
4209.00	H	-48.86	-13.00	-35.86	-61.15	-53.52	6.81
1403.00	V	-56.44	-13.00	-43.44	-60.61	-58.23	3.94
3507.50	V	-47.72	-13.00	-34.72	-59.80	-52.61	7.04
4209.00	V	-48.79	-13.00	-35.79	-61.02	-53.45	6.81

Mode	LTE Band 12, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1415.00	H	-55.75	-13.00	-42.75	-60.18	-57.64	4.04
3537.50	H	-48.69	-13.00	-35.69	-61.14	-53.50	6.96
4245.00	H	-49.59	-13.00	-36.59	-61.99	-54.21	6.77
1415.00	V	-57.31	-13.00	-44.31	-61.49	-59.20	4.04
3537.50	V	-47.86	-13.00	-34.86	-60.21	-52.67	6.96
4245.00	V	-50.32	-13.00	-37.32	-62.67	-54.94	6.77

Mode	LTE Band 12, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23155						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1427.00	H	-56.17	-13.00	-43.17	-60.58	-58.16	4.14
3567.50	H	-48.71	-13.00	-35.71	-61.46	-53.43	6.87
4281.00	H	-49.95	-13.00	-36.95	-62.47	-54.52	6.72
1427.00	V	-58.34	-13.00	-45.34	-62.53	-60.33	4.14
3567.50	V	-48.37	-13.00	-35.37	-60.98	-53.09	6.87
4281.00	V	-50.49	-13.00	-37.49	-62.98	-55.06	6.72

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

Mode	LTE Band 12, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23060						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1408.00	H	-54.13	-13.00	-41.13	-58.58	-55.97	3.99
3520.00	H	-48.03	-13.00	-35.03	-60.31	-52.88	7.00
4224.00	H	-48.83	-13.00	-35.83	-61.17	-53.47	6.79
1408.00	V	-56.68	-13.00	-43.68	-60.86	-58.52	3.99
3520.00	V	-47.47	-13.00	-34.47	-59.66	-52.32	7.00
4224.00	V	-49.99	-13.00	-36.99	-62.28	-54.63	6.79

Mode	LTE Band 12, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23095						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1415.00	H	-55.94	-13.00	-42.94	-60.37	-57.83	4.04
3537.50	H	-48.99	-13.00	-35.99	-61.44	-53.80	6.96
4245.00	H	-49.90	-13.00	-36.90	-62.30	-54.52	6.77
1415.00	V	-57.74	-13.00	-44.74	-61.92	-59.63	4.04
3537.50	V	-48.28	-13.00	-35.28	-60.63	-53.09	6.96
4245.00	V	-50.88	-13.00	-37.88	-63.23	-55.50	6.77

Mode	LTE Band 12, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23130						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1422.00	H	-57.03	-13.00	-44.03	-61.45	-58.98	4.10
3555.00	H	-49.84	-13.00	-36.84	-62.46	-54.60	6.91
4266.00	H	-51.07	-13.00	-38.07	-63.53	-55.66	6.74
1422.00	V	-59.19	-13.00	-46.19	-63.37	-61.14	4.10
3555.00	V	-49.23	-13.00	-36.23	-61.72	-53.99	6.91
4266.00	V	-52.05	-13.00	-39.05	-64.48	-56.64	6.74

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

Mode	LTE Band 17, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23755						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1413.00	H	-52.84	-13.00	-39.84	-57.28	-54.72	4.03
2119.50	H	-51.20	-13.00	-38.20	-58.46	-54.45	5.40
3532.50	H	-48.65	-13.00	-35.65	-61.05	-53.47	6.97
1413.00	V	-54.12	-13.00	-41.12	-58.30	-56.00	4.03
2119.50	V	-47.16	-13.00	-34.16	-54.43	-50.41	5.40
3532.50	V	-50.30	-13.00	-37.30	-62.60	-55.12	6.97

Mode	LTE Band 17, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23790						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1420.00	H	-52.99	-13.00	-39.99	-57.41	-54.93	4.09
2130.00	H	-52.16	-13.00	-39.16	-59.49	-55.33	5.32
3550.00	H	-49.34	-13.00	-36.34	-61.91	-54.11	6.92
1420.00	V	-54.38	-13.00	-41.38	-58.56	-56.32	4.09
2130.00	V	-47.29	-13.00	-34.29	-54.65	-50.46	5.32
3550.00	V	-50.06	-13.00	-37.06	-62.51	-54.83	6.92

Mode	LTE Band 17, QPSK, CB:5 MHz, 1 RB Offset 12, Channel: 23825						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1427.00	H	-53.19	-13.00	-40.19	-57.60	-55.18	4.14
2140.50	H	-52.48	-13.00	-39.48	-59.89	-55.58	5.25
3567.50	H	-49.46	-13.00	-36.46	-62.21	-54.18	6.87
1427.00	V	-54.43	-13.00	-41.43	-58.62	-56.42	4.14
2140.50	V	-47.80	-13.00	-34.80	-55.25	-50.90	5.25
3567.50	V	-50.21	-13.00	-37.21	-62.82	-54.93	6.87

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

Mode	LTE Band 17, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23780						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1418.00	H	-51.88	-13.00	-38.88	-56.31	-53.80	4.07
2127.00	H	-50.42	-13.00	-37.42	-57.73	-53.61	5.34
3545.00	H	-47.36	-13.00	-34.36	-59.88	-52.14	6.93
1418.00	V	-53.53	-13.00	-40.53	-57.72	-55.45	4.07
2127.00	V	-46.71	-13.00	-33.71	-54.04	-49.90	5.34
3545.00	V	-49.10	-13.00	-36.10	-61.51	-53.88	6.93

Mode	LTE Band 17, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23790						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1420.00	H	-52.84	-13.00	-39.84	-57.26	-54.78	4.09
2130.00	H	-52.03	-13.00	-39.03	-59.36	-55.20	5.32
3550.00	H	-49.19	-13.00	-36.19	-61.76	-53.96	6.92
1420.00	V	-54.07	-13.00	-41.07	-58.25	-56.01	4.09
2130.00	V	-46.68	-13.00	-33.68	-54.04	-49.85	5.32
3550.00	V	-49.59	-13.00	-36.59	-62.04	-54.36	6.92

Mode	LTE Band 17, QPSK, CB:10 MHz, 1 RB Offset 25, Channel: 23800						
Frequency (MHz)	Antenna Polarity	E.R.P (dBm)	Limit (dBm)	Margin (dB)	S.A Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)
1422.00	H	-53.35	-13.00	-40.35	-57.77	-55.30	4.10
2133.00	H	-52.95	-13.00	-39.95	-60.31	-56.10	5.30
3555.00	H	-49.73	-13.00	-36.73	-62.35	-54.49	6.91
1422.00	V	-54.89	-13.00	-41.89	-59.07	-56.84	4.10
2133.00	V	-48.15	-13.00	-35.15	-55.54	-51.30	5.30
3555.00	V	-50.75	-13.00	-37.75	-63.24	-55.51	6.91

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

3.3 Conducted Emissions & Band Edge

3.3.1 Limit of Conducted Emissions & Band Edge

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

3.3.2 Test Procedures

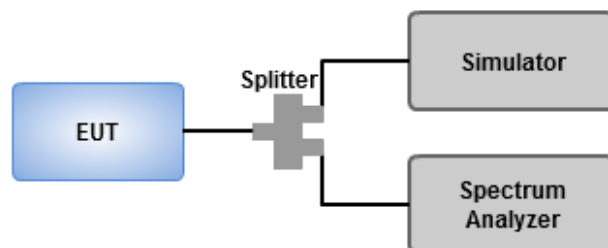
Out of band emission

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

Band edge

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

3.3.3 Test Setup



3.3.4 Test Result of Conducted Emissions & Band Edge

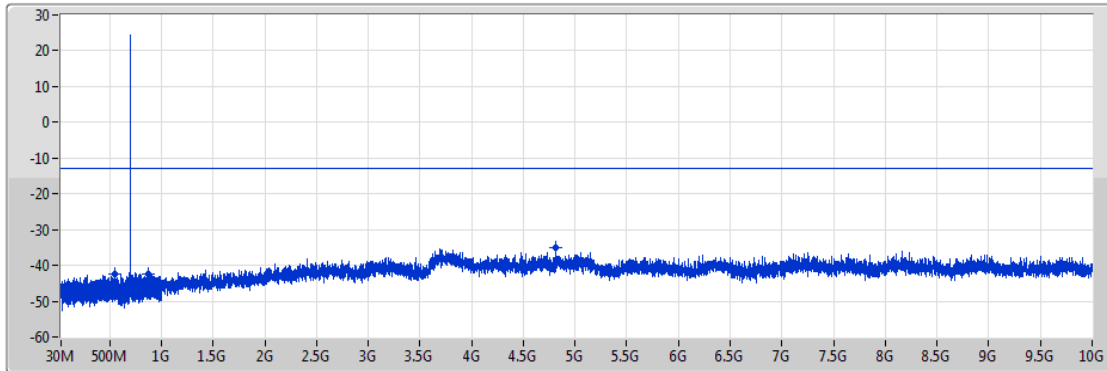
Summary

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 12	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	5.0716G	-34.89	-13.00	-21.89	1	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7108G	-34.70	-13.00	-21.70	1	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7909G	-33.52	-13.00	-20.52	1	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	4.8223G	-34.70	-13.00	-21.70	1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7207G	-33.93	-13.00	-20.93	1	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.6973G	-34.44	-13.00	-21.44	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7828G	-34.79	-13.00	-21.79	1	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.8062G	-33.72	-13.00	-20.72	1	-	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz

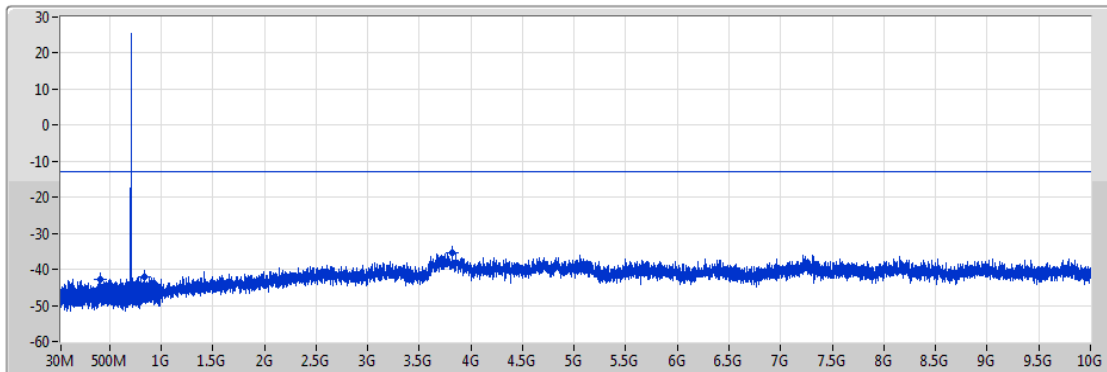


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	544.66M	-42.36	-13.00	-29.36	1	-
816M	1G	1M	3M	Peak	875.06M	-42.25	-13.00	-29.25	1	-
1G	10G	1M	3M	Peak	4.8142G	-34.94	-13.00	-21.94	1	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz

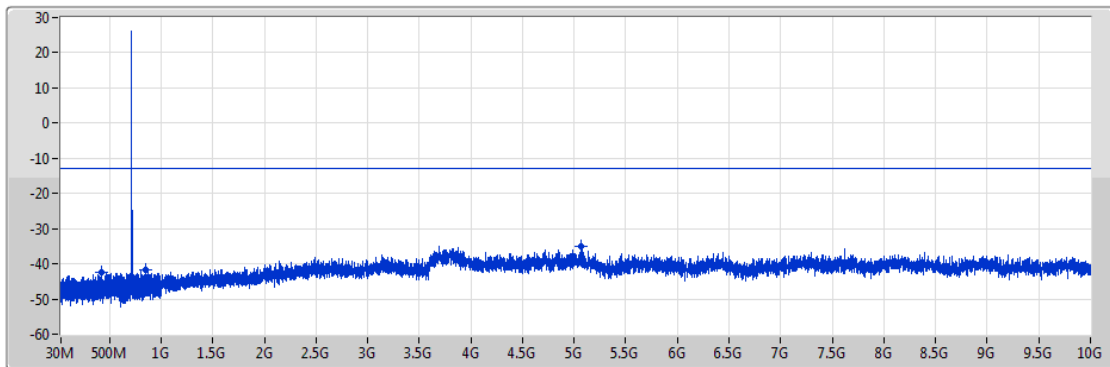


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	412.79M	-42.76	-13.00	-29.76	1	-
816M	1G	1M	3M	Peak	843.05M	-42.00	-13.00	-29.00	1	-
1G	10G	1M	3M	Peak	3.8188G	-35.34	-13.00	-22.34	1	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

715.3MHz

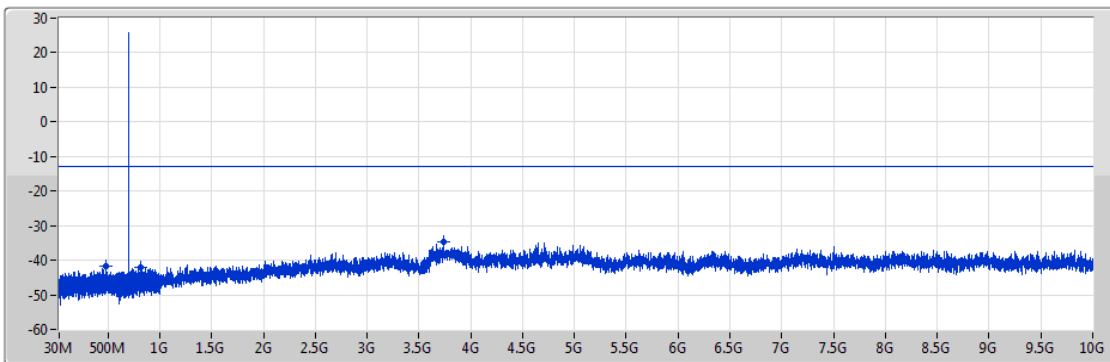


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	427.87M	-42.40	-13.00	-29.40	1	-
816M	1G	1M	3M	Peak	852.62M	-41.60	-13.00	-28.60	1	-
1G	10G	1M	3M	Peak	5.0716G	-34.89	-13.00	-21.89	1	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz

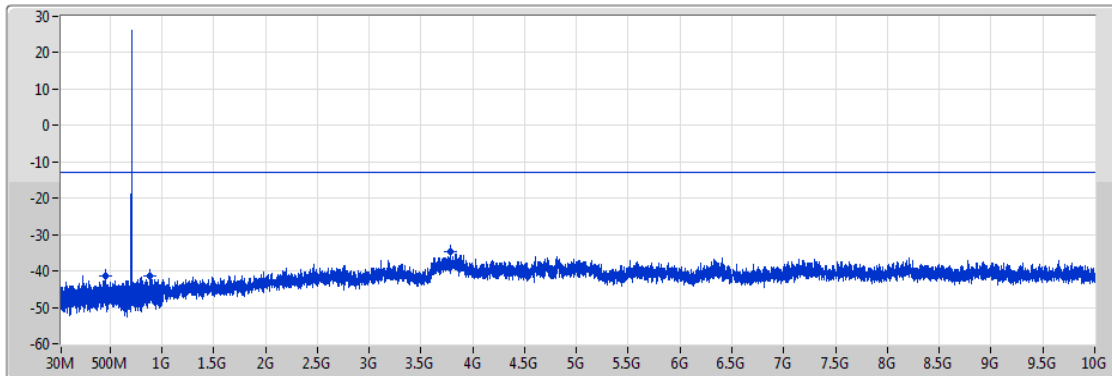


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	475.67M	-41.64	-13.00	-28.64	1	-
816M	1G	1M	3M	Peak	817.93M	-42.21	-13.00	-29.21	1	-
1G	10G	1M	3M	Peak	3.7414G	-34.77	-13.00	-21.77	1	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz

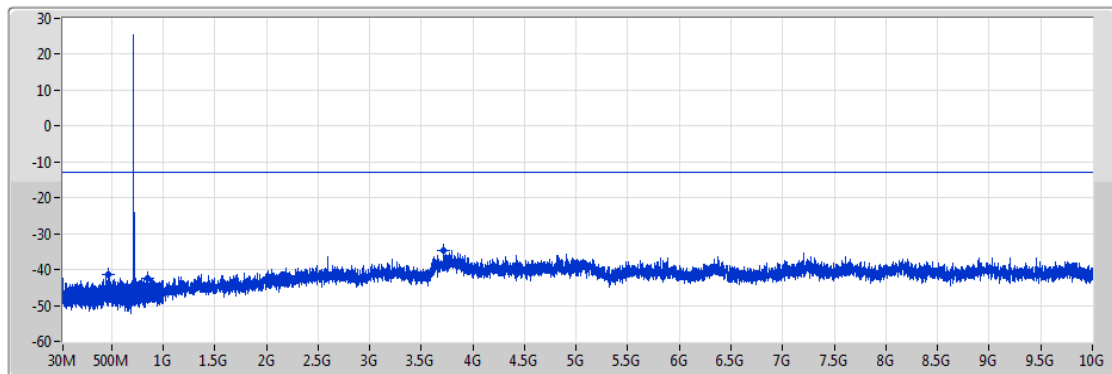


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	458.46M	-41.29	-13.00	-28.29	1	-
816M	1G	1M	3M	Peak	882.24M	-41.22	-13.00	-28.22	1	-
1G	10G	1M	3M	Peak	3.781G	-34.78	-13.00	-21.78	1	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz

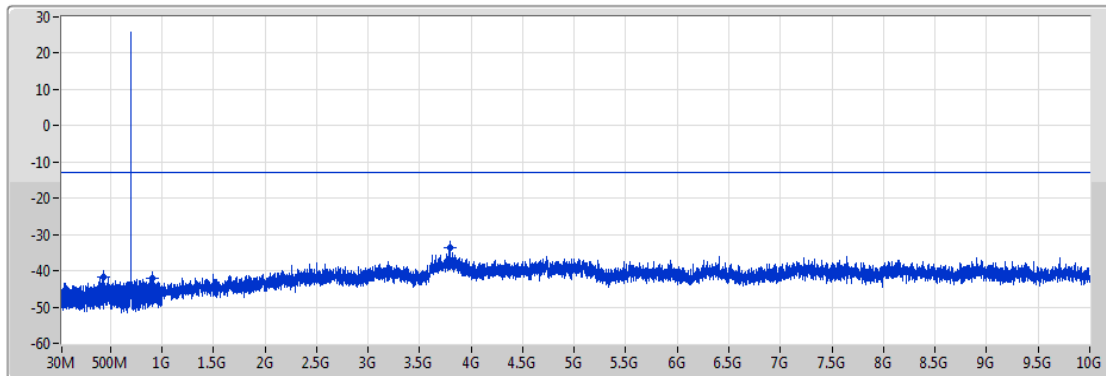


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	471.26M	-41.20	-13.00	-28.20	1	-
816M	1G	1M	3M	Peak	849.76M	-42.52	-13.00	-29.52	1	-
1G	10G	1M	3M	Peak	3.7108G	-34.70	-13.00	-21.70	1	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz

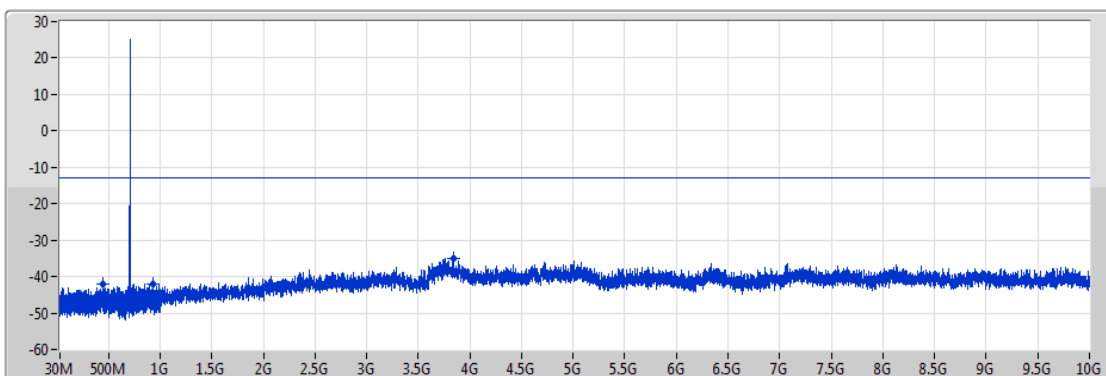


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	430.86M	-41.58	-13.00	-28.58	1	-
816M	1G	1M	3M	Peak	905.79M	-42.20	-13.00	-29.20	1	-
1G	10G	1M	3M	Peak	3.7909G	-33.52	-13.00	-20.52	1	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz

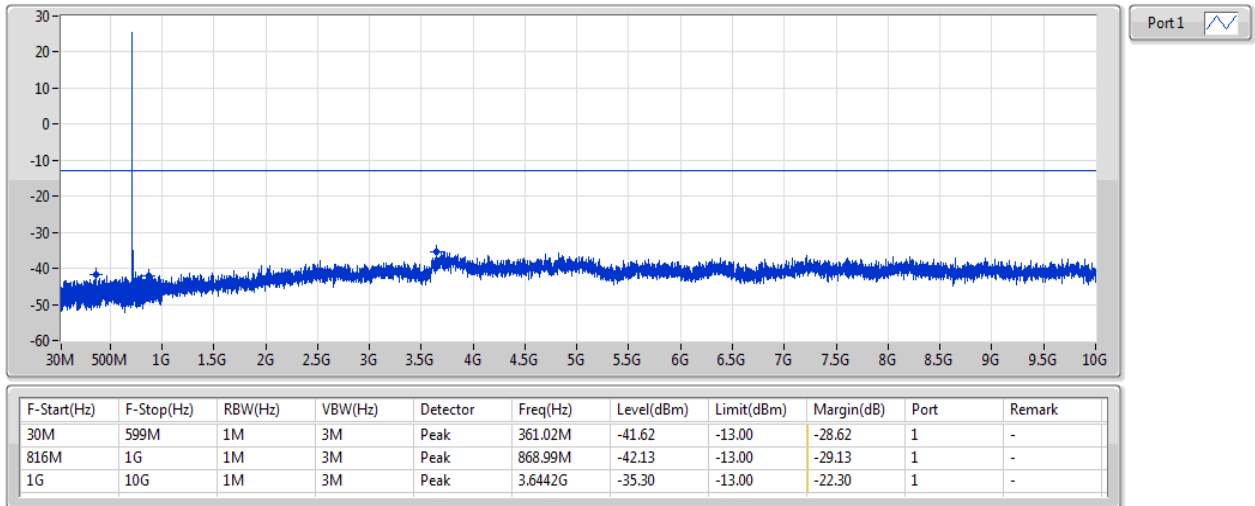


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	448.36M	-42.17	-13.00	-29.17	1	-
816M	1G	1M	3M	Peak	932.01M	-42.01	-13.00	-29.01	1	-
1G	10G	1M	3M	Peak	3.8458G	-34.93	-13.00	-21.93	1	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

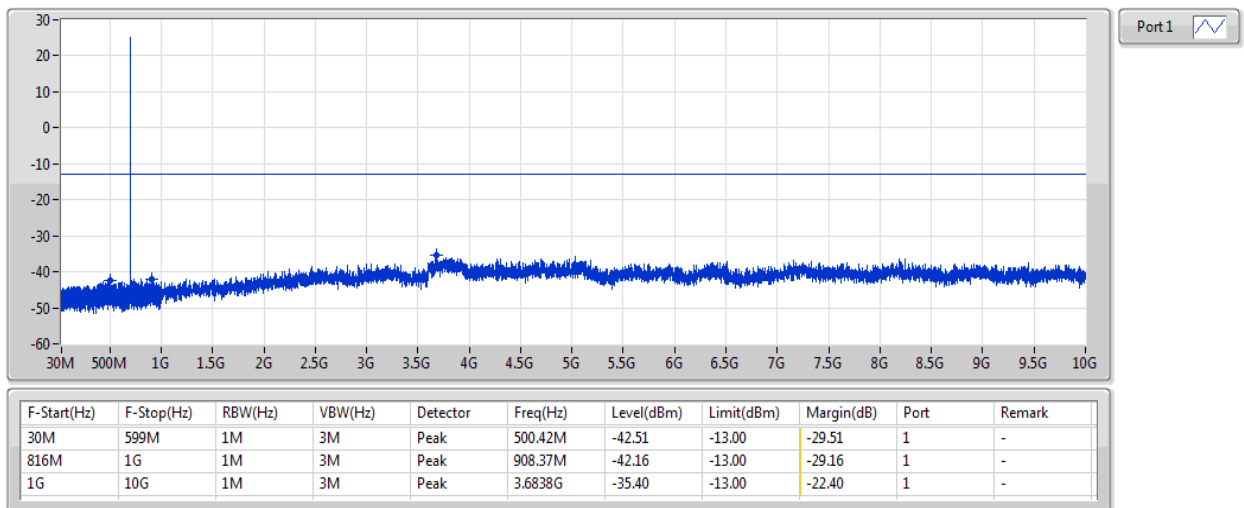
714.5MHz



Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

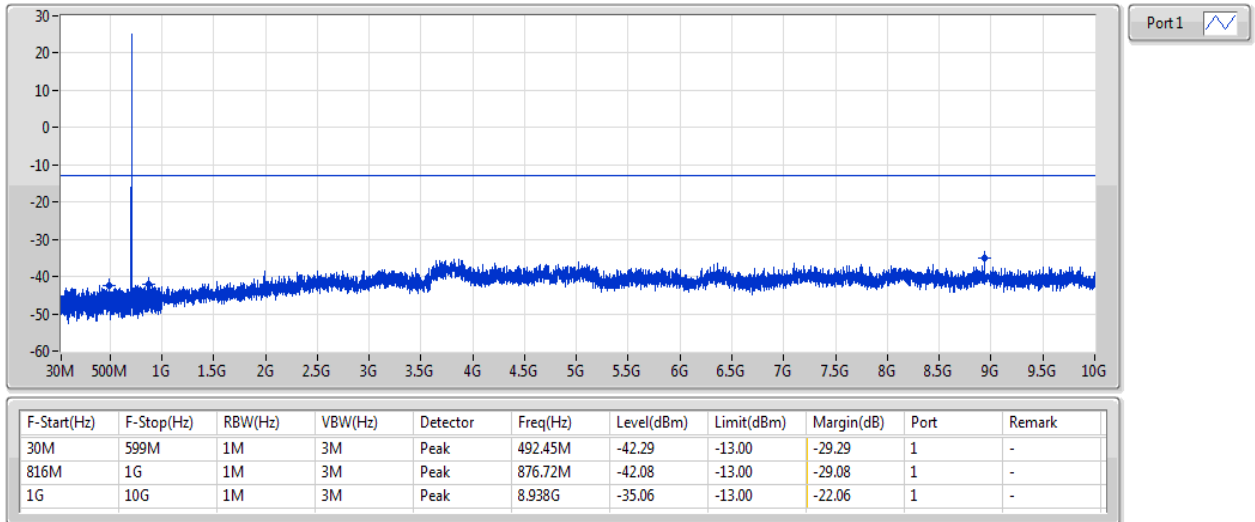
700.5MHz



Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

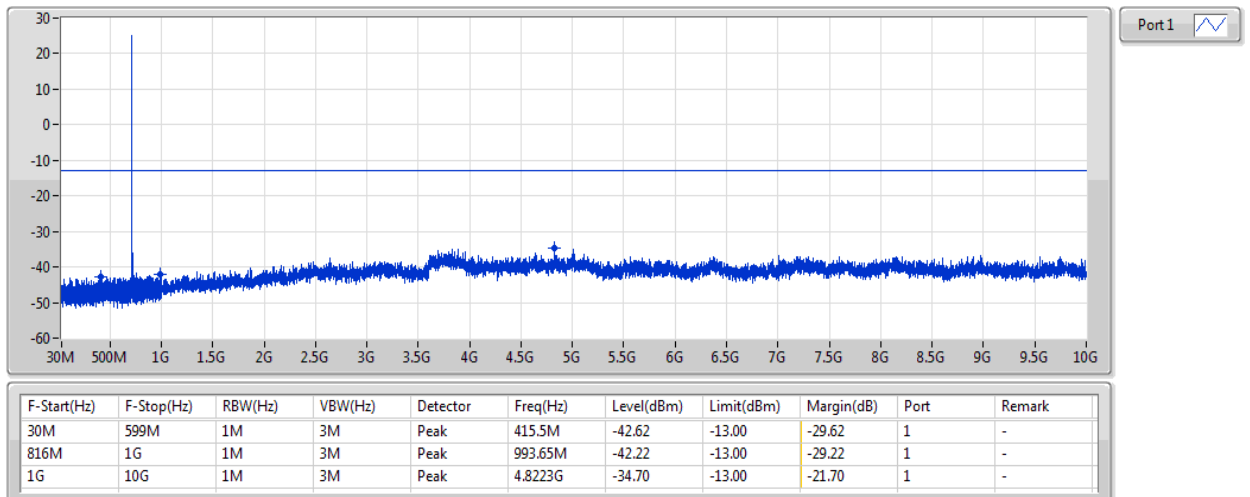
707.5MHz



Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

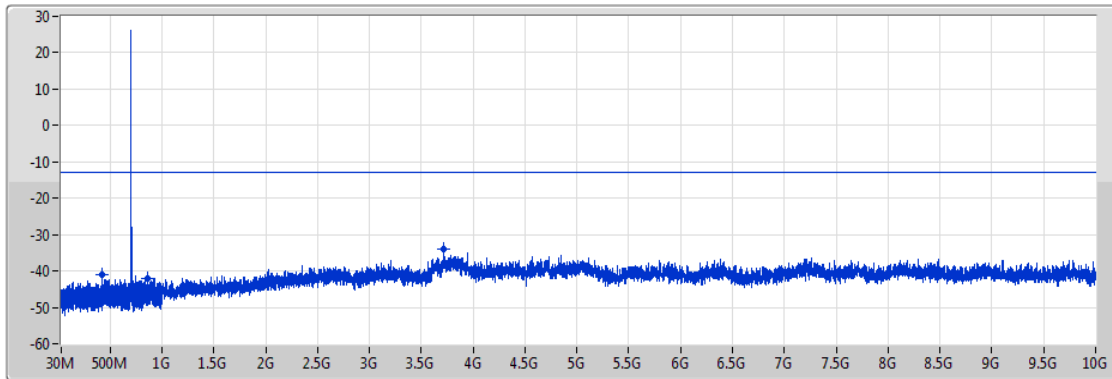
714.5MHz



Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz

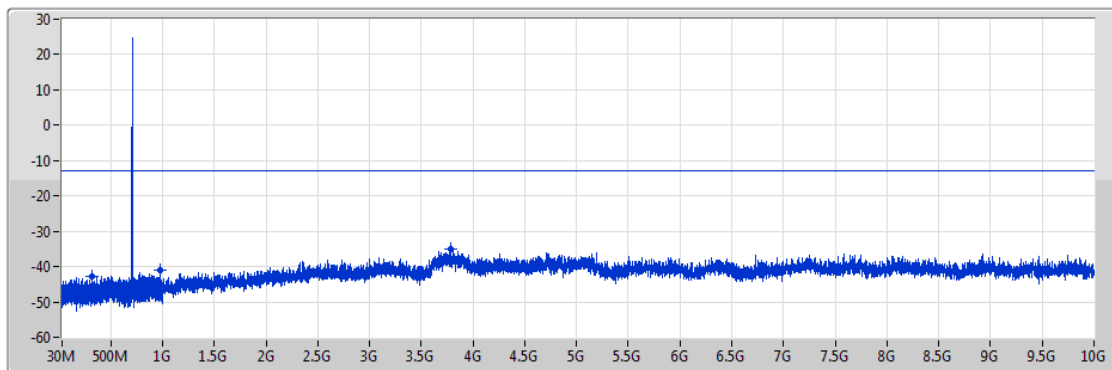


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	425.31M	-41.11	-13.00	-28.11	1	-
816M	1G	1M	3M	Peak	863.2M	-42.05	-13.00	-29.05	1	-
1G	10G	1M	3M	Peak	3.7207G	-33.93	-13.00	-20.93	1	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

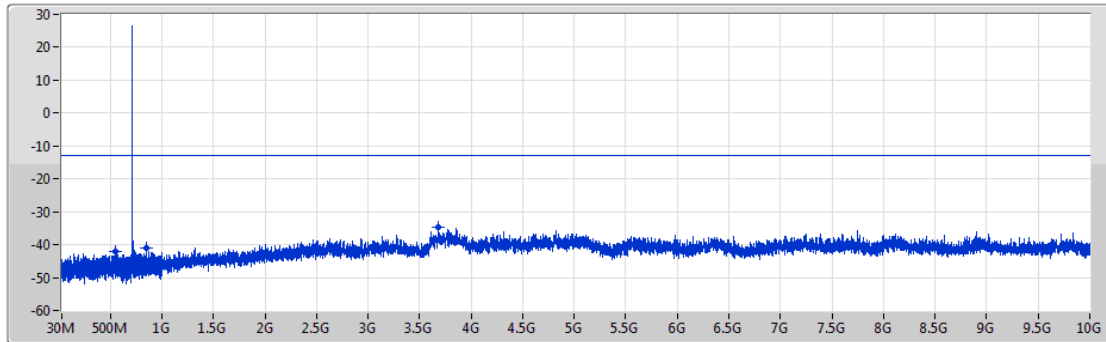
707.5MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	317.35M	-42.60	-13.00	-29.60	1	-
816M	1G	1M	3M	Peak	976.17M	-41.09	-13.00	-28.09	1	-
1G	10G	1M	3M	Peak	3.7864G	-35.13	-13.00	-22.13	1	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX
713.5MHz

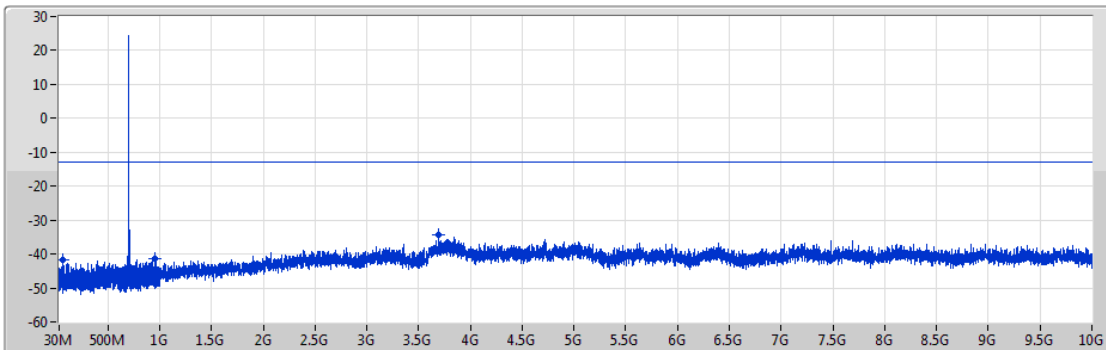
CSE-TX-Port



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	547.08M	-42.19	-13.00	-29.19	1	-
816M	1G	1M	3M	Peak	850.78M	-40.96	-13.00	-27.96	1	-
1G	10G	1M	3M	Peak	3.6829G	-34.78	-13.00	-21.78	1	-

Band 12_LTE_5MHz_Nss1,16QAM_1TX
701.5MHz

CSE-TX-Port

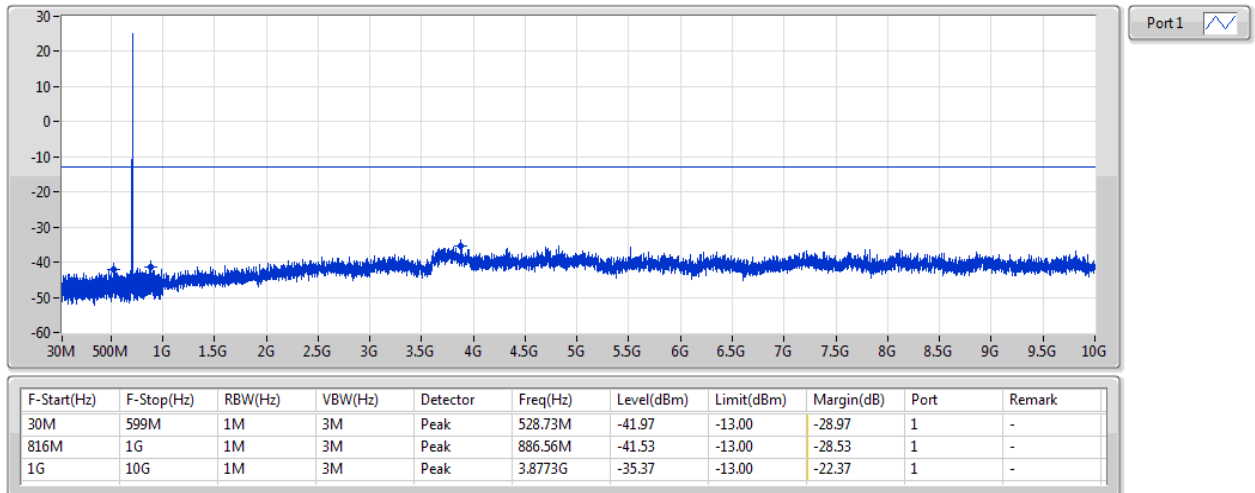


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	59.73M	-41.74	-13.00	-28.74	1	-
816M	1G	1M	3M	Peak	957.59M	-41.53	-13.00	-28.53	1	-
1G	10G	1M	3M	Peak	3.6973G	-34.44	-13.00	-21.44	1	-

Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

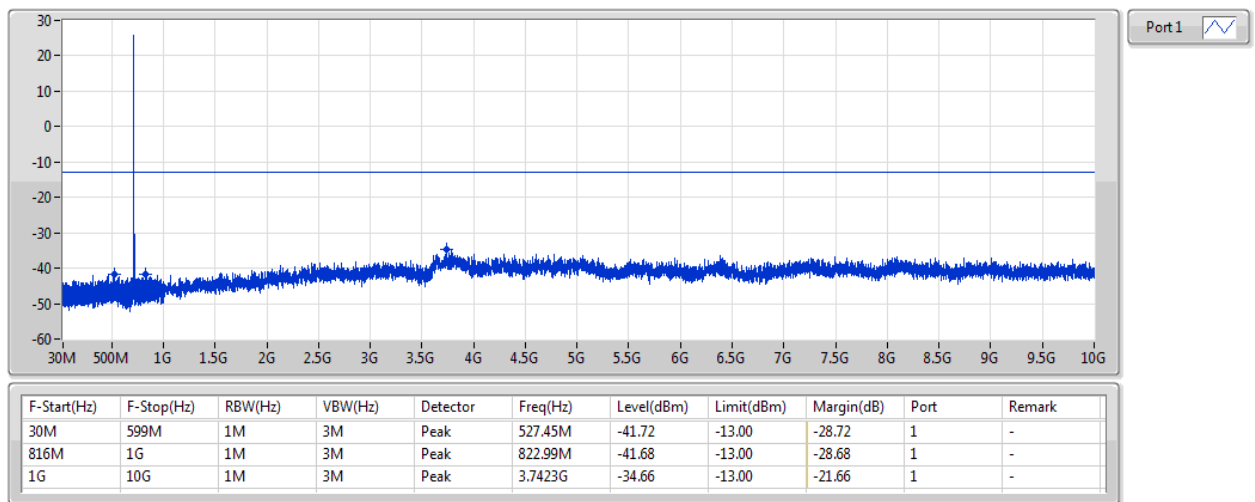
707.5MHz



Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

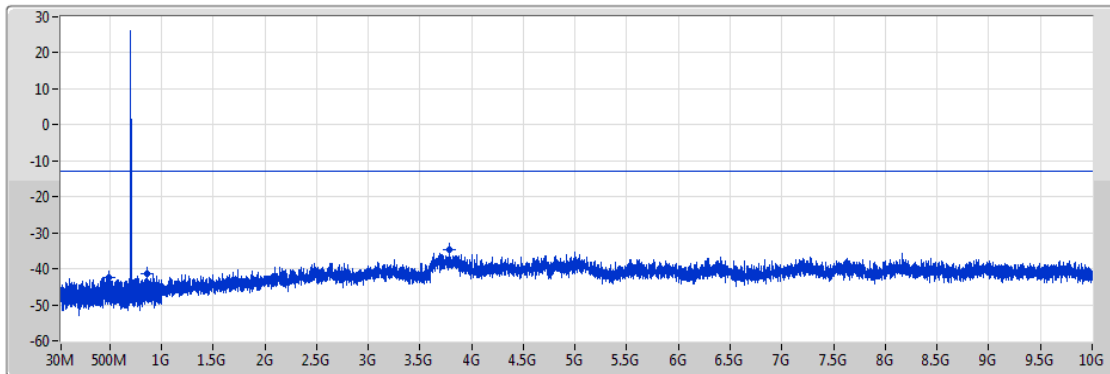
713.5MHz



Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz

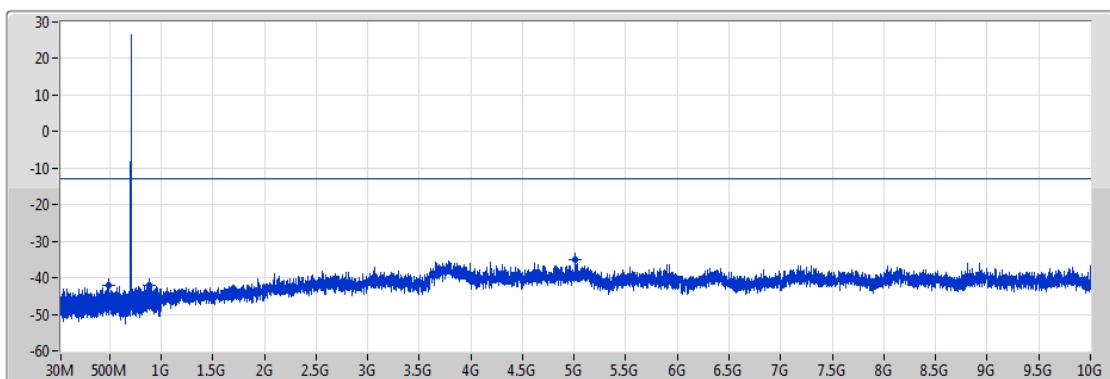


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	489.47M	-42.44	-13.00	-29.44	1	-
816M	1G	1M	3M	Peak	860.53M	-41.29	-13.00	-28.29	1	-
1G	10G	1M	3M	Peak	3.7828G	-34.79	-13.00	-21.79	1	-

Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz

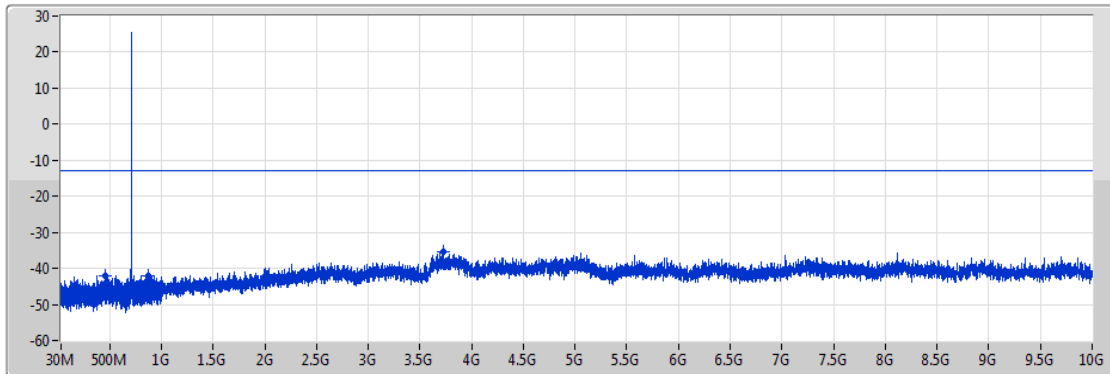


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	497.58M	-42.04	-13.00	-29.04	1	-
816M	1G	1M	3M	Peak	890.43M	-41.98	-13.00	-28.98	1	-
1G	10G	1M	3M	Peak	5.0122G	-34.87	-13.00	-21.87	1	-

Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz

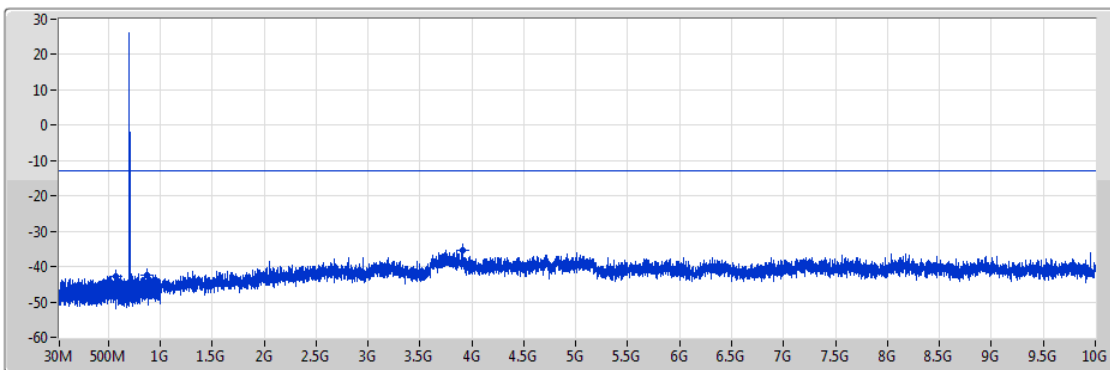


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	458.31M	-42.03	-13.00	-29.03	1	-
816M	1G	1M	3M	Peak	872.86M	-42.02	-13.00	-29.02	1	-
1G	10G	1M	3M	Peak	3.7306G	-35.36	-13.00	-22.36	1	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz

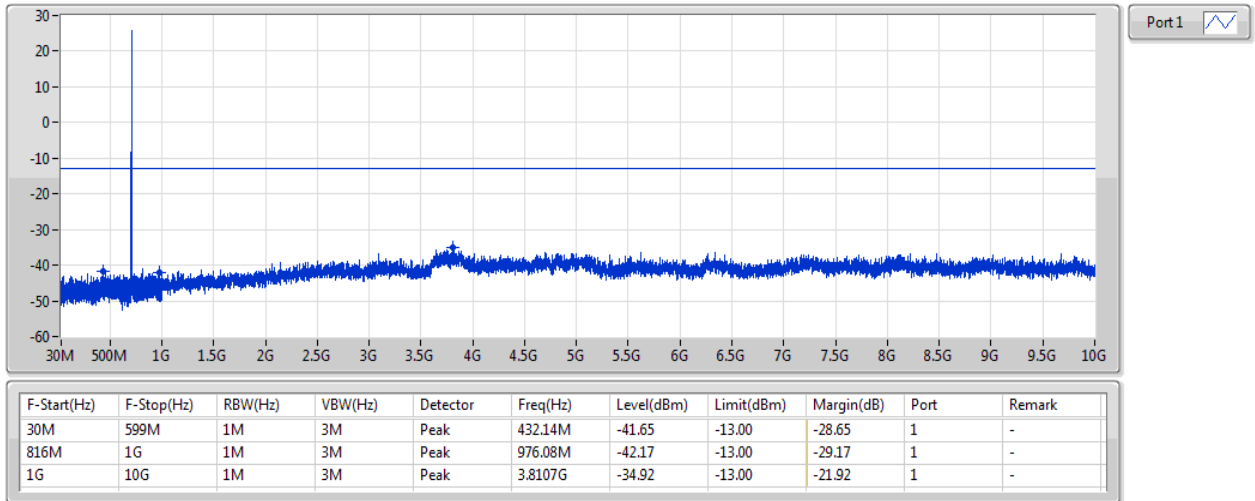


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	599M	1M	3M	Peak	576.38M	-42.71	-13.00	-29.71	1	-
816M	1G	1M	3M	Peak	876.08M	-42.35	-13.00	-29.35	1	-
1G	10G	1M	3M	Peak	3.9061G	-35.35	-13.00	-22.35	1	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

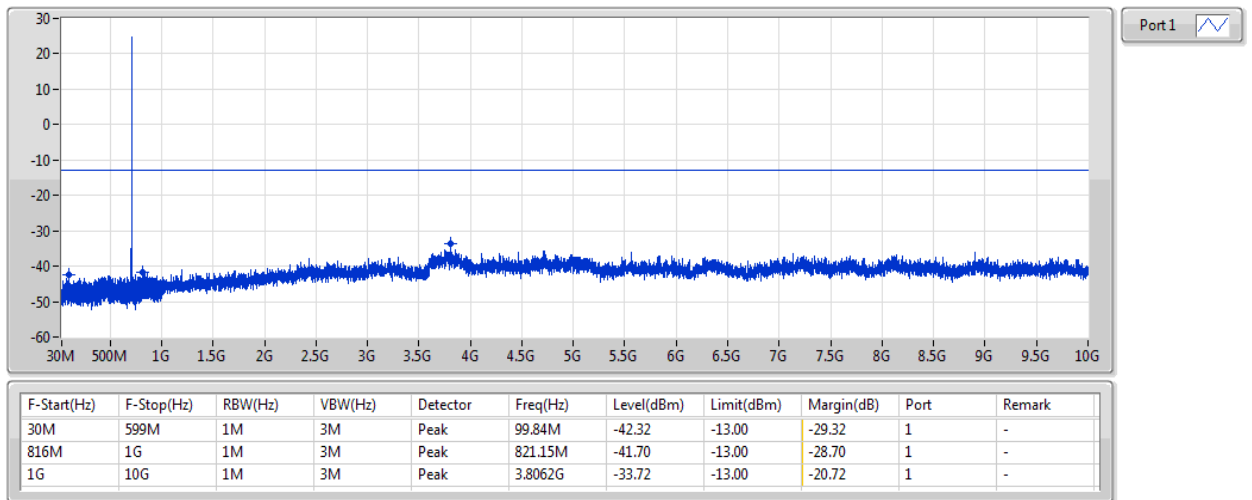
707.5MHz



Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz



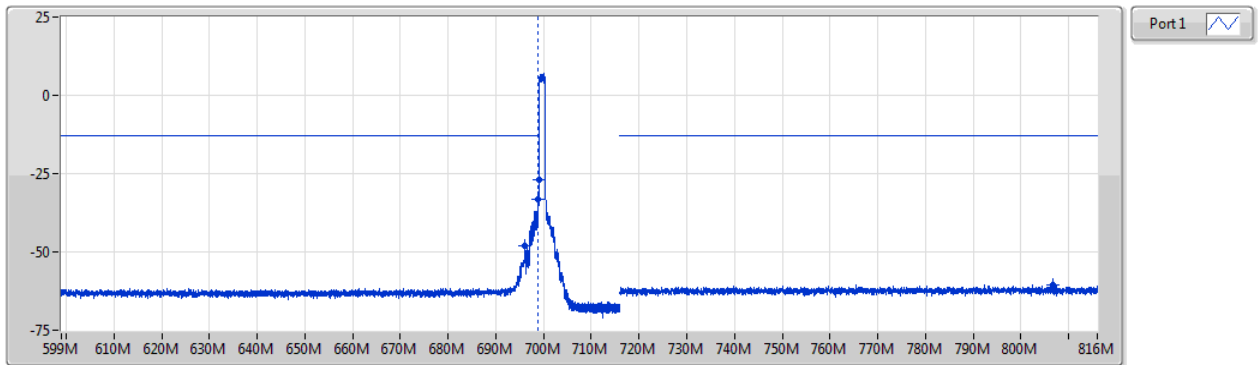
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 12	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	698.9M	699M	30k	100k	RMS	699M	-20.27	-13.00	-7.27	1	-	-
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	30k	100k	RMS	716M	-19.31	-13.00	-6.31	1	-	-
LTE_3MHz_Nss1,QPSK_1TX	Pass	716M	716.1M	30k	100k	RMS	716M	-19.98	-13.00	-6.98	1	-	-
LTE_3MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	30k	100k	RMS	716M	-20.62	-13.00	-7.62	1	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	698.9M	699M	51k	160k	RMS	699M	-20.68	-13.00	-7.68	1	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	698.9M	699M	51k	160k	RMS	699M	-21.41	-13.00	-8.41	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	716M	716.1M	100k	300k	RMS	716M	-30.64	-13.00	-17.64	1	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	100k	300k	RMS	716M	-28.38	-13.00	-15.38	1	-	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz_QPSK_RB 6,#RB 0

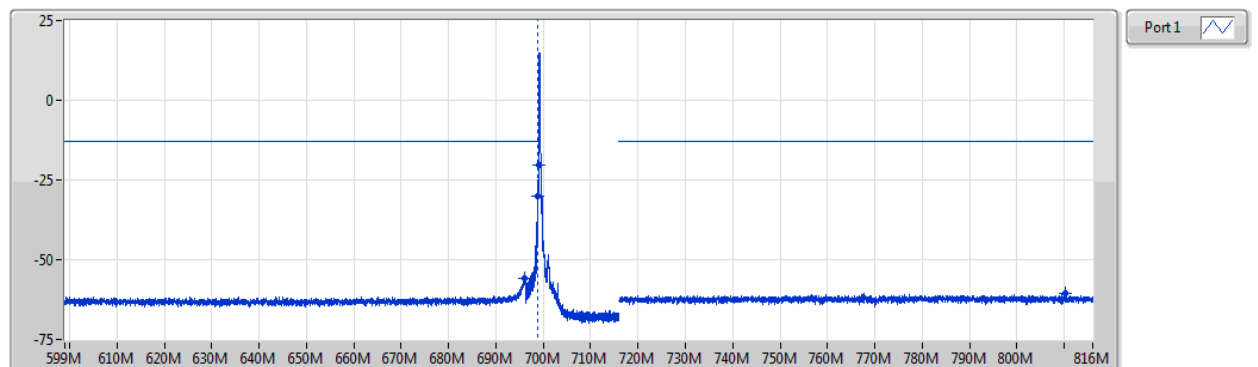


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	696.2M	100k	300k	RMS	696.13M	-48.18	-13.00	-35.18	1	-	-
696.2M	698.9M	30k	100k	RMS	698.85M	-33.36	-13.00	-20.36	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-27.00	-13.00	-14.00	1	-	-
716M	816M	100k	300k	RMS	806.8M	-60.44	-13.00	-47.44	1	-	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

699.7MHz_QPSK_RB 1,#RB 0

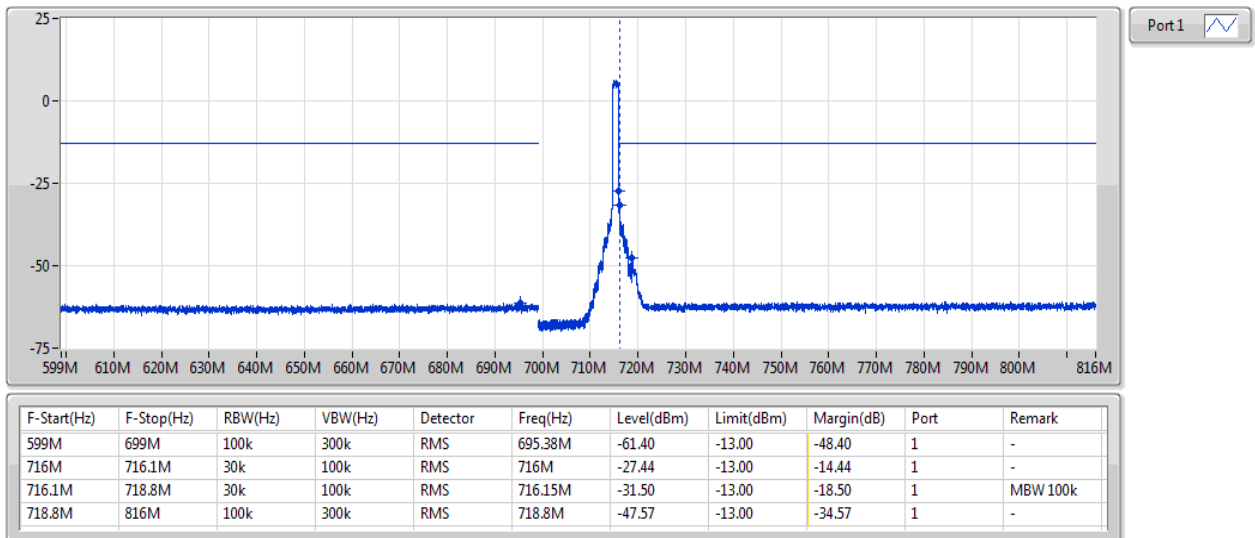


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	696.2M	100k	300k	RMS	696.13M	-55.90	-13.00	-42.90	1	-	-
696.2M	698.9M	30k	100k	RMS	698.85M	-30.25	-13.00	-17.25	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-20.27	-13.00	-7.27	1	-	-
716M	816M	100k	300k	RMS	810.3M	-60.48	-13.00	-47.48	1	-	-

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

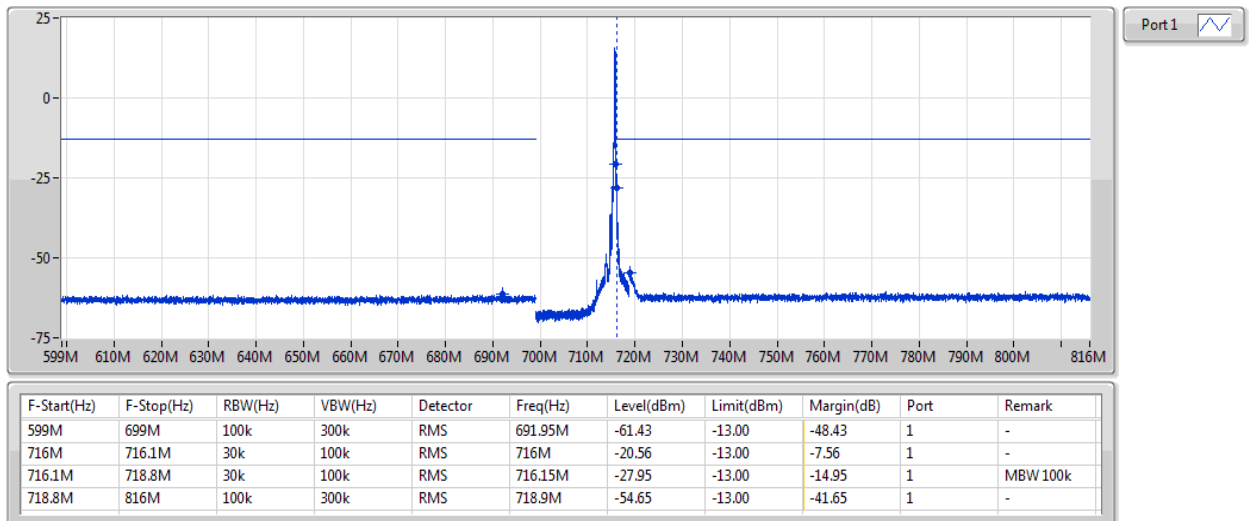
715.3MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

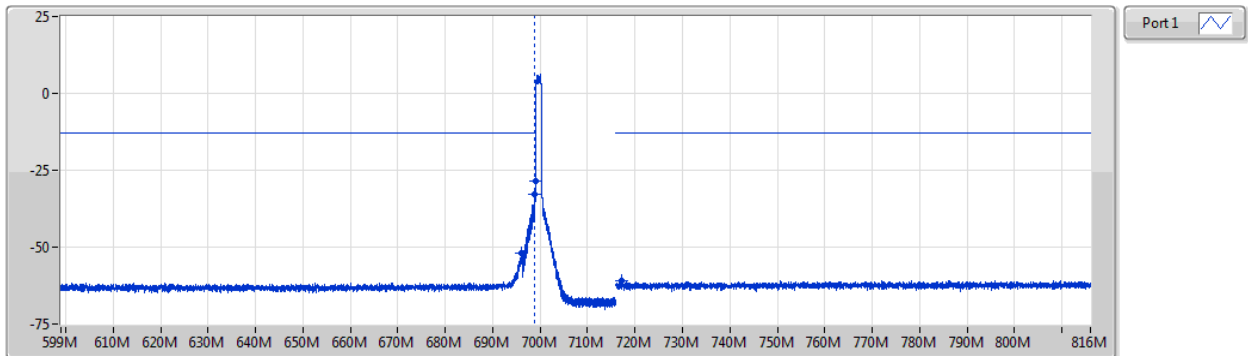
715.3MHz_QPSK_RB 1,#RB 5



Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz_16QAM_RB 6,#RB 0

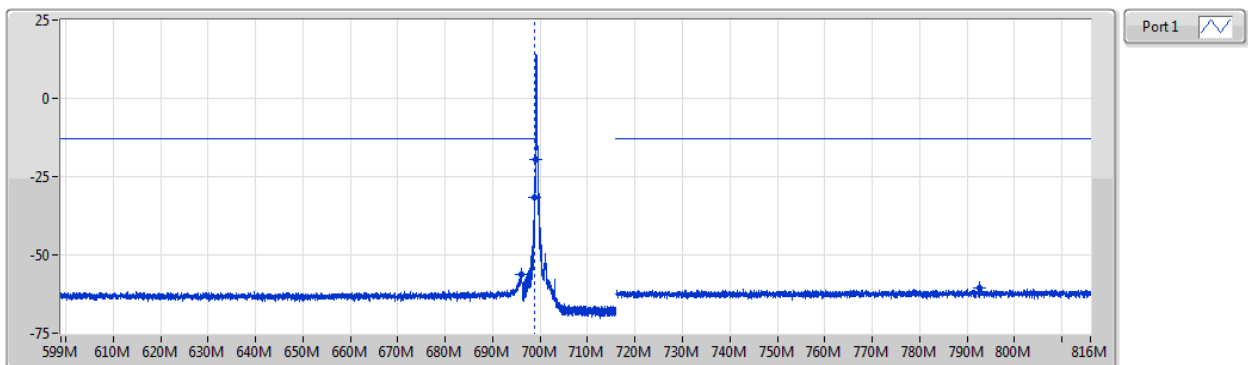


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	696.2M	100k	300k	RMS	696.15M	-51.82	-13.00	-38.82	1	-	-
696.2M	698.9M	30k	100k	RMS	698.85M	-32.62	-13.00	-19.62	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-28.51	-13.00	-15.51	1	-	-
716M	816M	100k	300k	RMS	717.23M	-60.77	-13.00	-47.77	1	-	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz_16QAM_RB 1,#RB 0

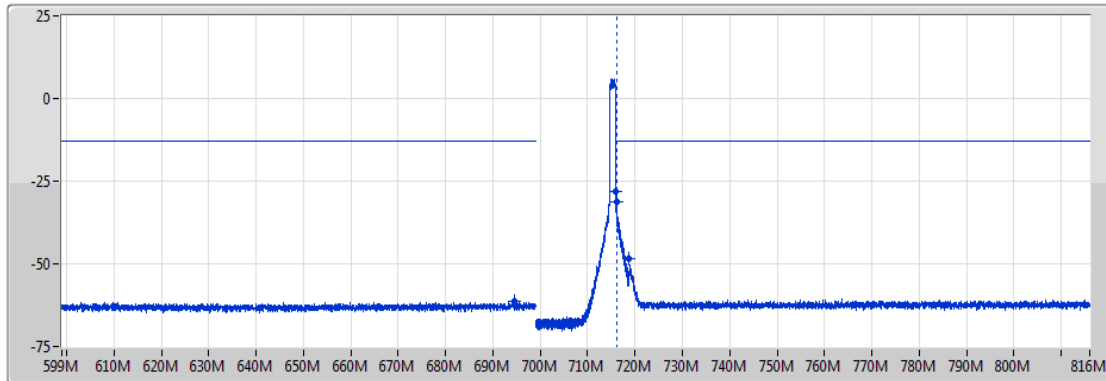


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	696.2M	100k	300k	RMS	696.15M	-56.40	-13.00	-43.40	1	-	-
696.2M	698.9M	30k	100k	RMS	698.85M	-31.80	-13.00	-18.80	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-19.40	-13.00	-6.40	1	-	-
716M	816M	100k	300k	RMS	792.58M	-60.51	-13.00	-47.51	1	-	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz_16QAM_RB 6,#RB 0

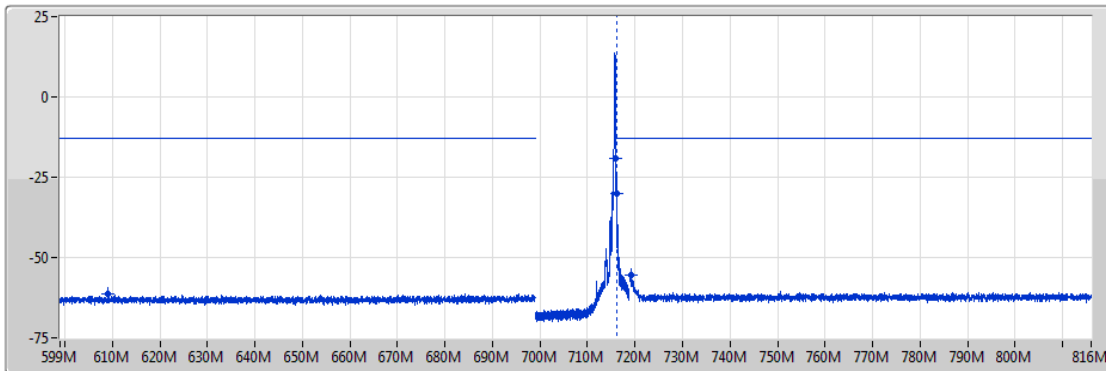


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	694.43M	-61.49	-13.00	-48.49	1	-
716M	716.1M	30k	100k	RMS	716M	-28.00	-13.00	-15.00	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-31.19	-13.00	-18.19	1	MBW 100k
718.8M	816M	100k	300k	RMS	718.8M	-48.27	-13.00	-35.27	1	-

Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz_16QAM_RB 1,#RB 5

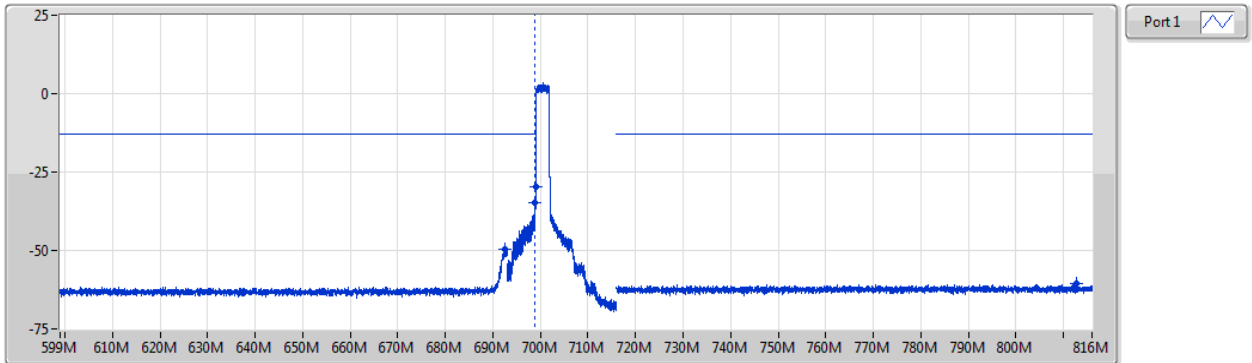


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	609.13M	-61.44	-13.00	-48.44	1	-
716M	716.1M	30k	100k	RMS	716M	-19.31	-13.00	-6.31	1	-
716.1M	718.8M	30k	100k	RMS	716.15M	-30.01	-13.00	-17.01	1	MBW 100k
718.8M	816M	100k	300k	RMS	719.07M	-55.36	-13.00	-42.36	1	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 15,#RB 0

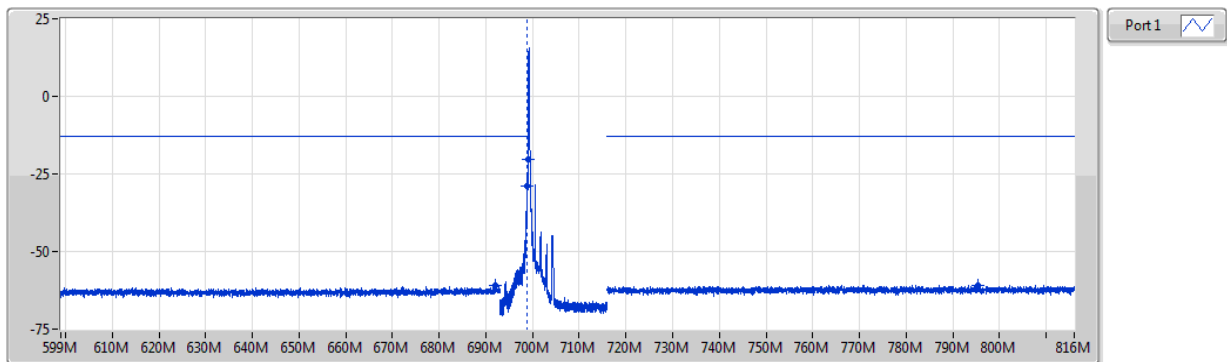


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	693M	100k	300k	RMS	692.55M	-49.44	-13.00	-36.44	1	-	-
693M	698.9M	30k	100k	RMS	698.85M	-34.87	-13.00	-21.87	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-29.55	-13.00	-16.55	1	-	-
716M	816M	100k	300k	RMS	812.8M	-60.69	-13.00	-47.69	1	-	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 1,#RB 0

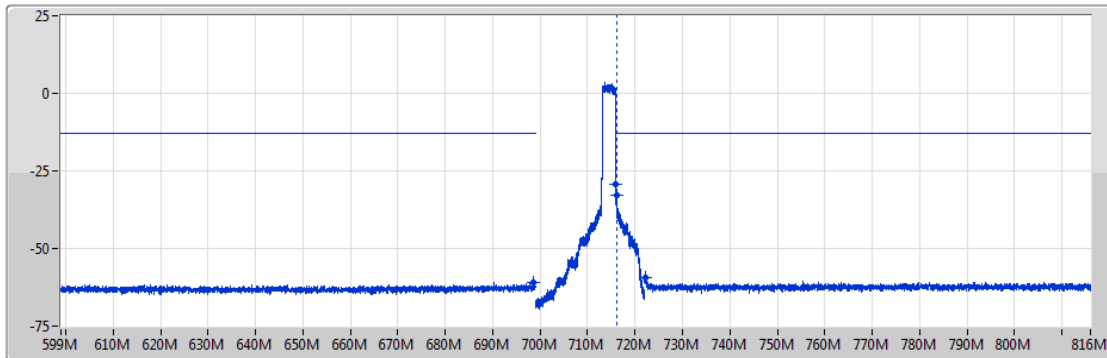


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	693M	100k	300k	RMS	692.06M	-61.11	-13.00	-48.11	1	-	-
693M	698.9M	30k	100k	RMS	698.85M	-28.91	-13.00	-15.91	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-20.39	-13.00	-7.39	1	-	-
716M	816M	100k	300k	RMS	795.28M	-60.76	-13.00	-47.76	1	-	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 15,#RB 0

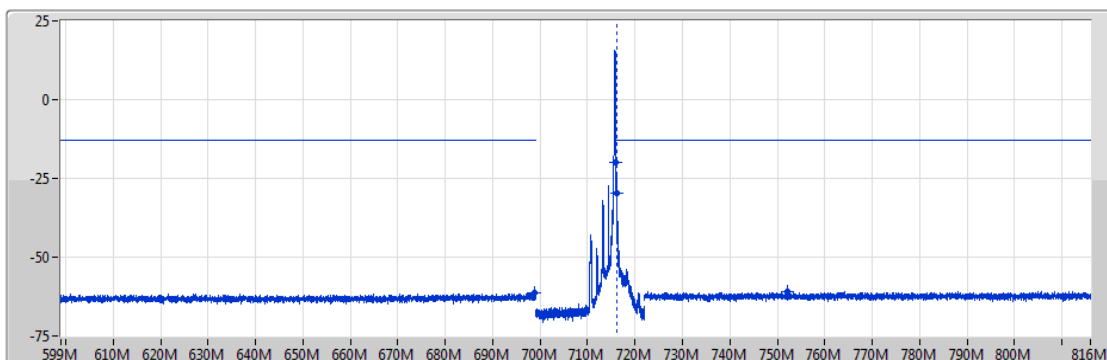


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.45M	-60.92	-13.00	-47.92	1	-
716M	716.1M	30k	100k	RMS	716M	-29.26	-13.00	-16.26	1	-
716.1M	722M	30k	100k	RMS	716.15M	-32.79	-13.00	-19.79	1	MBW 100k
722M	816M	100k	300k	RMS	722.19M	-59.46	-13.00	-46.46	1	-

Band 12_LTE_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 1,#RB 14

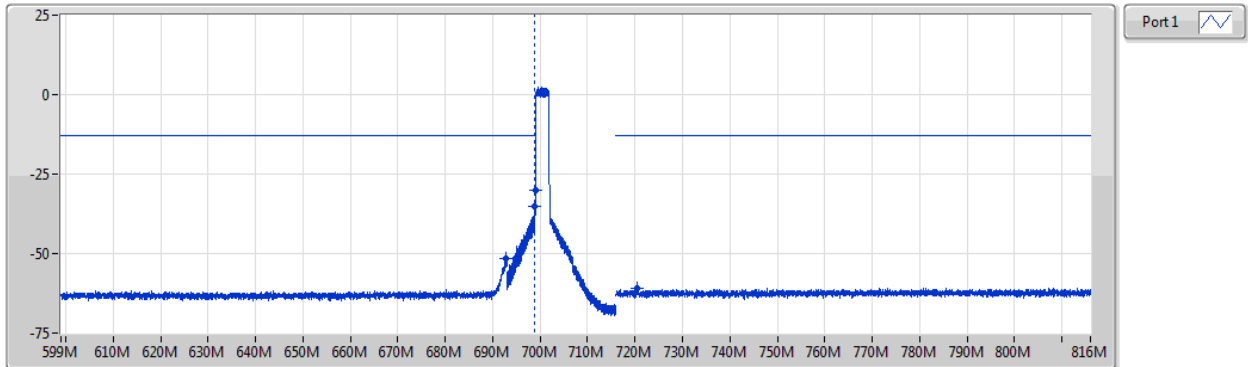


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.95M	-61.45	-13.00	-48.45	1	-
716M	716.1M	30k	100k	RMS	716M	-19.98	-13.00	-6.98	1	-
716.1M	722M	30k	100k	RMS	716.15M	-29.68	-13.00	-16.68	1	MBW 100k
722M	816M	100k	300k	RMS	752.22M	-60.77	-13.00	-47.77	1	-

Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 15,#RB 0

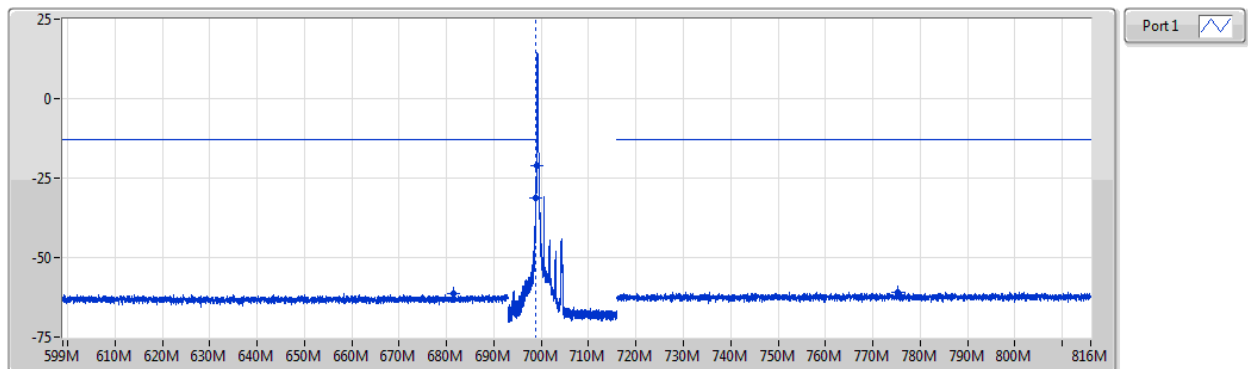


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	693M	100k	300k	RMS	692.88M	-51.69	-13.00	-38.69	1	-	-
693M	698.9M	30k	100k	RMS	698.85M	-34.99	-13.00	-21.99	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-30.22	-13.00	-17.22	1	-	-
716M	816M	100k	300k	RMS	720.35M	-60.81	-13.00	-47.81	1	-	-

Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 1,#RB 0

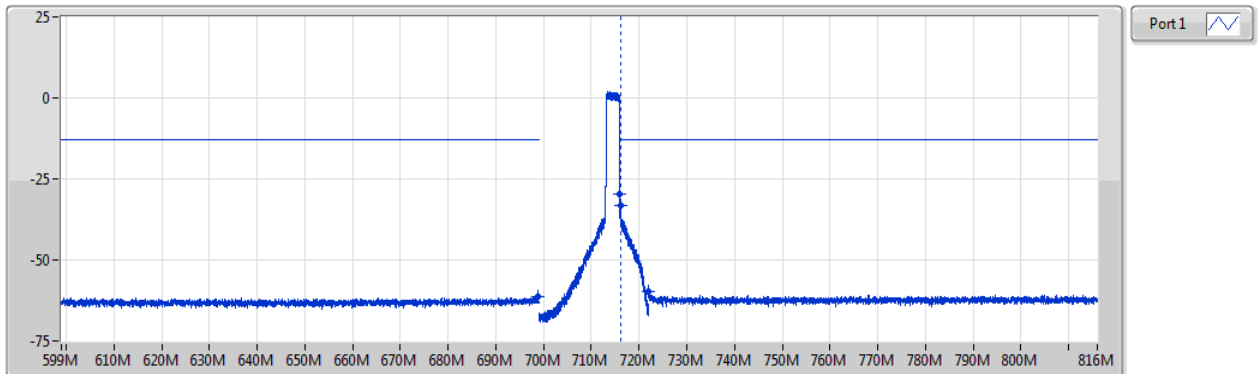


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	693M	100k	300k	RMS	681.53M	-61.43	-13.00	-48.43	1	-	-
693M	698.9M	30k	100k	RMS	698.85M	-31.44	-13.00	-18.44	1	MBW 100k	-
698.9M	699M	30k	100k	RMS	699M	-21.11	-13.00	-8.11	1	-	-
716M	816M	100k	300k	RMS	775.2M	-60.89	-13.00	-47.89	1	-	-

Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz_16QAM_RB 15,#RB 0

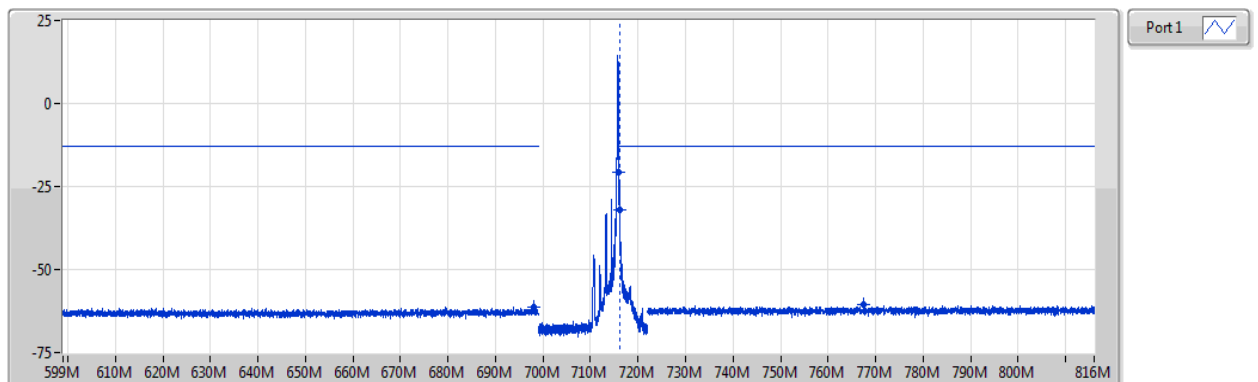


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.85M	-61.43	-13.00	-48.43	1	-
716M	716.1M	30k	100k	RMS	716M	-29.80	-13.00	-16.80	1	-
716.1M	722M	30k	100k	RMS	716.15M	-33.30	-13.00	-20.30	1	MBW 100k
722M	816M	100k	300k	RMS	722M	-59.77	-13.00	-46.77	1	-

Band 12_LTE_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz_16QAM_RB 1,#RB 14

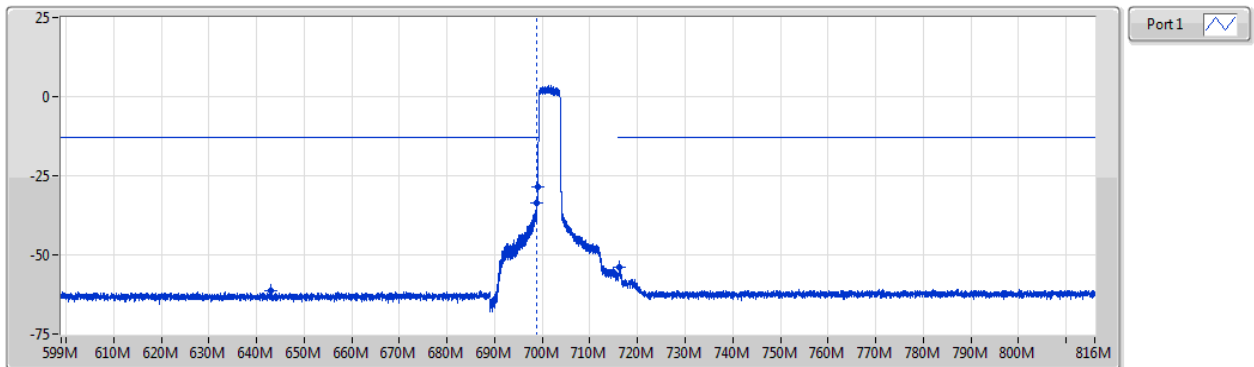


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.03M	-61.29	-13.00	-48.29	1	-
716M	716.1M	30k	100k	RMS	716M	-20.62	-13.00	-7.62	1	-
716.1M	722M	30k	100k	RMS	716.15M	-32.18	-13.00	-19.18	1	MBW 100k
722M	816M	100k	300k	RMS	767.47M	-60.71	-13.00	-47.71	1	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 25,#RB 0

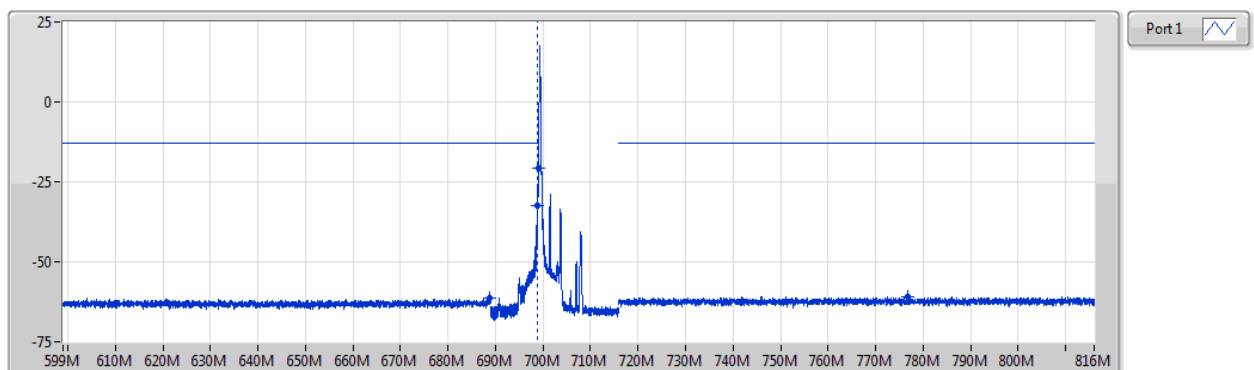


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	689M	100k	300k	RMS	643.08M	-61.43	-13.00	-48.43	1	-	-
689M	698.9M	51k	160k	RMS	698.85M	-33.69	-13.00	-20.69	1	MBW 100k	-
698.9M	699M	51k	160k	RMS	699M	-28.69	-13.00	-15.69	1	-	-
716M	816M	100k	300k	RMS	716.08M	-53.79	-13.00	-40.79	1	-	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 1,#RB 0

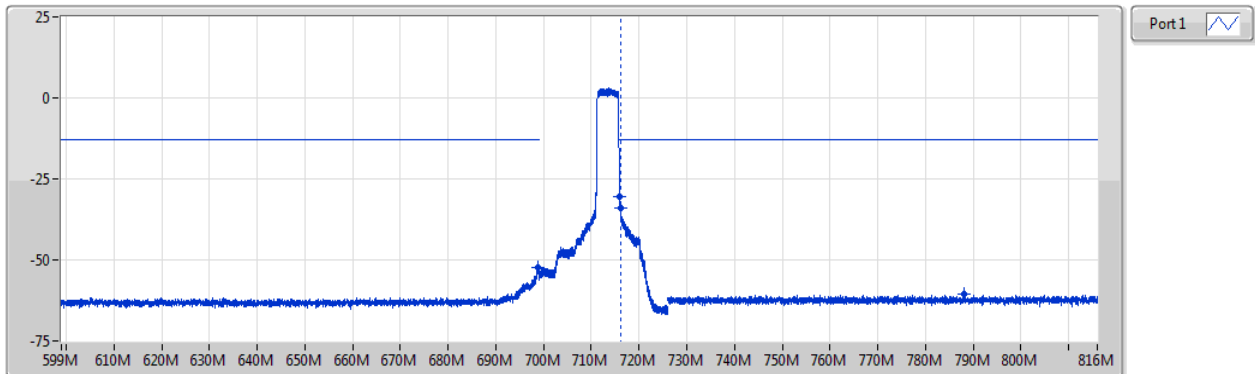


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	689M	100k	300k	RMS	688.8M	-61.20	-13.00	-48.20	1	-	-
689M	698.9M	51k	160k	RMS	698.85M	-32.45	-13.00	-19.45	1	MBW 100k	-
698.9M	699M	51k	160k	RMS	699M	-20.68	-13.00	-7.68	1	-	-
716M	816M	100k	300k	RMS	776.73M	-60.86	-13.00	-47.86	1	-	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 25,#RB 0

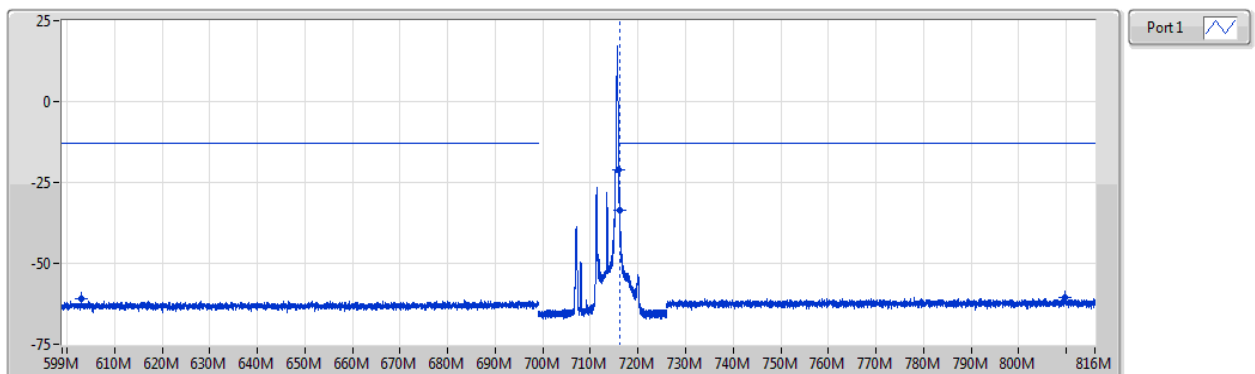


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.78M	-52.42	-13.00	-39.42	1	-
716M	716.1M	51k	160k	RMS	716M	-30.54	-13.00	-17.54	1	-
716.1M	726M	51k	160k	RMS	716.15M	-33.96	-13.00	-20.96	1	MBW 100k
726M	816M	100k	300k	RMS	788.01M	-60.68	-13.00	-47.68	1	-

Band 12_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 1,#RB 24

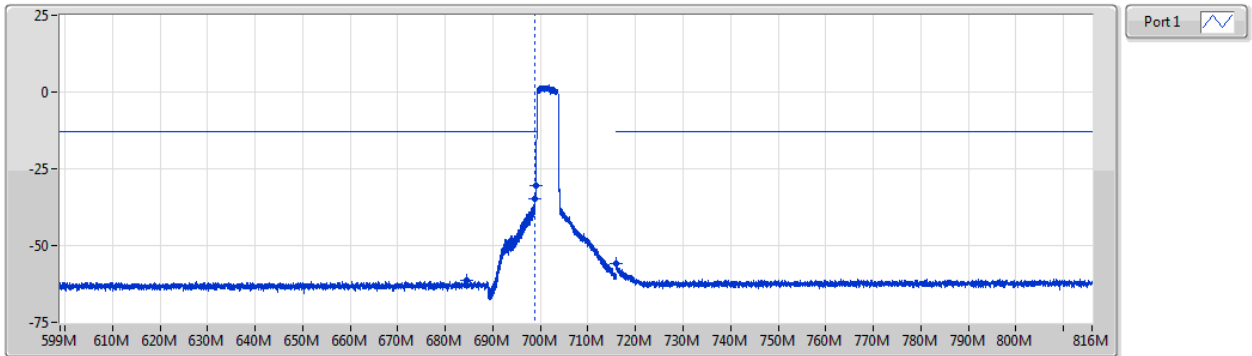


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	603.1M	-60.94	-13.00	-47.94	1	-
716M	716.1M	51k	160k	RMS	716M	-21.18	-13.00	-8.18	1	-
716.1M	726M	51k	160k	RMS	716.15M	-33.42	-13.00	-20.42	1	MBW 100k
726M	816M	100k	300k	RMS	809.79M	-60.43	-13.00	-47.43	1	-

Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 25,#RB 0

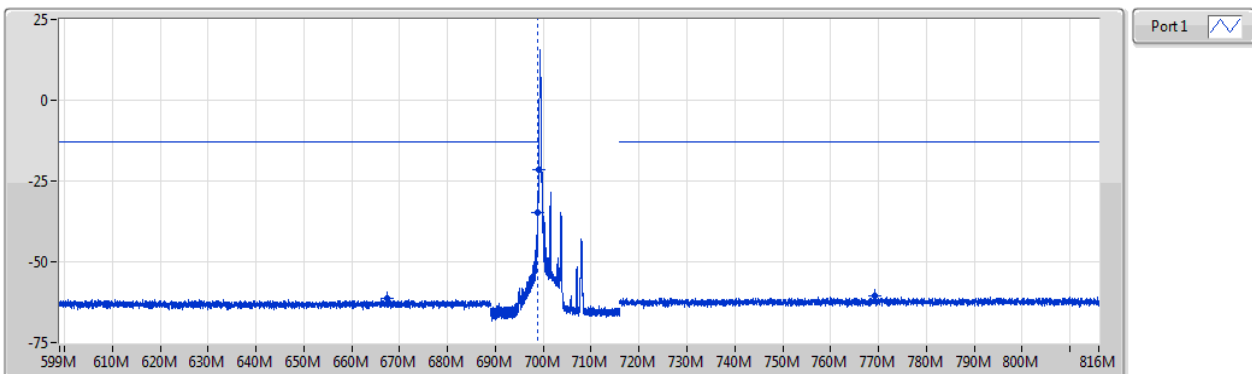


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	689M	100k	300k	RMS	684.43M	-61.50	-13.00	-48.50	1	-	-
689M	698.9M	51k	160k	RMS	698.85M	-34.63	-13.00	-21.63	1	MBW 100k	-
698.9M	699M	51k	160k	RMS	699M	-30.58	-13.00	-17.58	1	-	-
716M	816M	100k	300k	RMS	716M	-55.77	-13.00	-42.77	1	-	-

Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 1,#RB 0

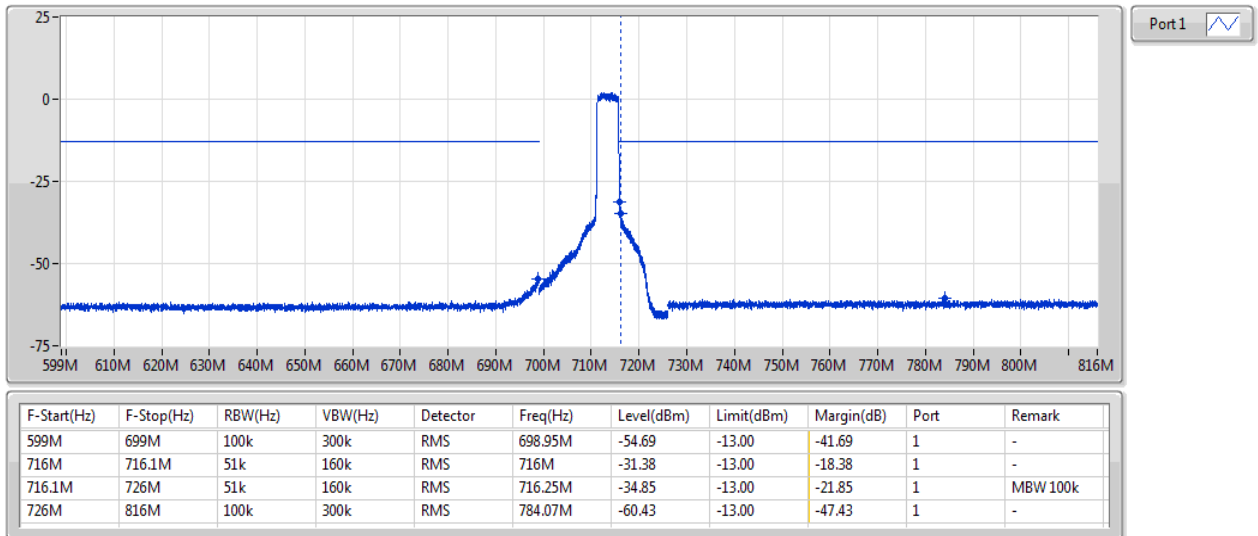


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	689M	100k	300k	RMS	667.36M	-61.32	-13.00	-48.32	1	-	-
689M	698.9M	51k	160k	RMS	698.85M	-34.77	-13.00	-21.77	1	MBW 100k	-
698.9M	699M	51k	160k	RMS	699M	-21.41	-13.00	-8.41	1	-	-
716M	816M	100k	300k	RMS	769.33M	-60.74	-13.00	-47.74	1	-	-

Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

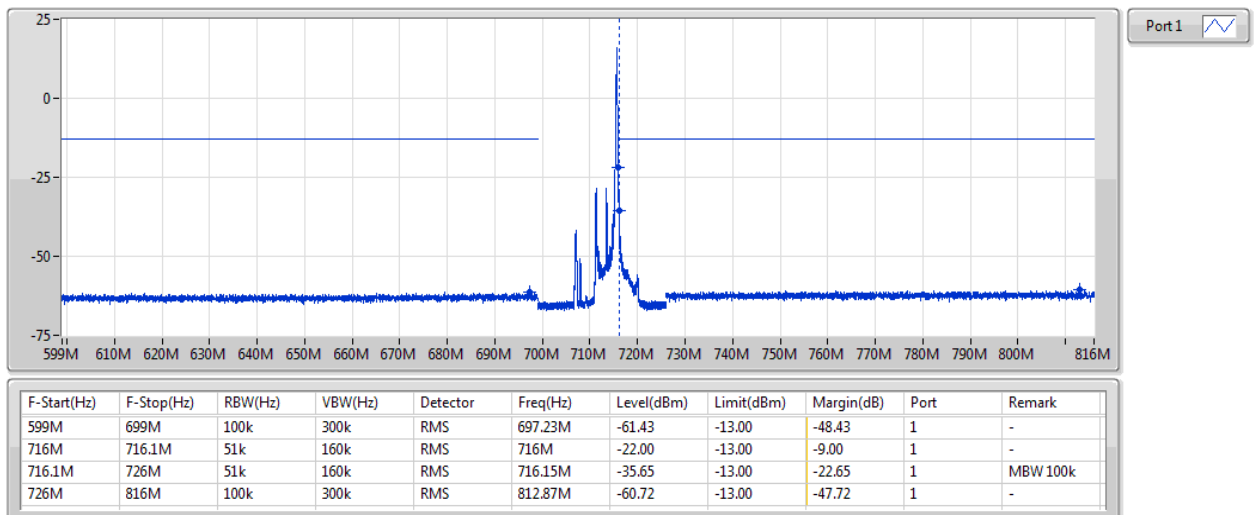
713.5MHz_16QAM_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

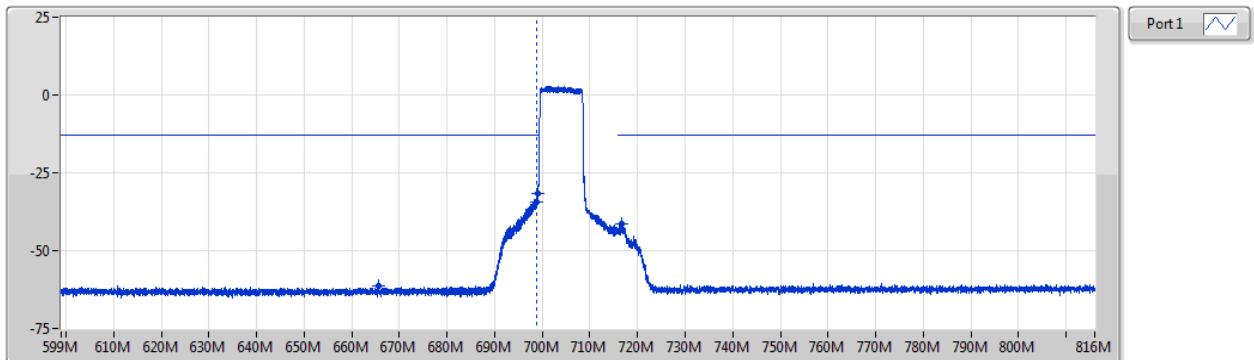
713.5MHz_16QAM_RB 1,#RB 24



Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz_QPSK_RB 50,#RB 0

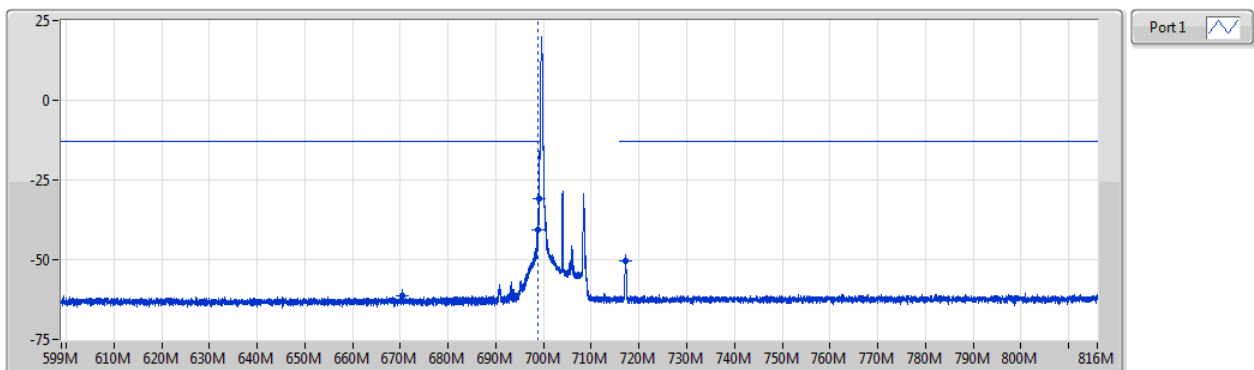


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	679M	100k	300k	RMS	665.56M	-61.35	-13.00	-48.35	1	-	-
679M	698.9M	100k	300k	RMS	698.85M	-34.51	-13.00	-21.51	1	MBW 100k	-
698.9M	699M	100k	300k	RMS	699M	-31.83	-13.00	-18.83	1	-	-
716M	816M	100k	300k	RMS	716.8M	-41.47	-13.00	-28.47	1	-	-

Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz_QPSK_RB 1,#RB 0

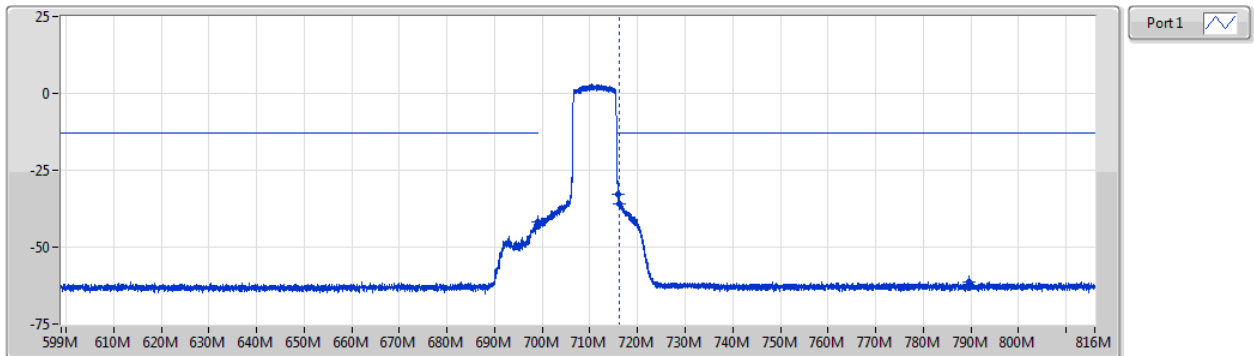


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	679M	100k	300k	RMS	670.48M	-61.37	-13.00	-48.37	1	-	-
679M	698.9M	100k	300k	RMS	698.85M	-40.53	-13.00	-27.53	1	MBW 100k	-
698.9M	699M	100k	300k	RMS	699M	-30.80	-13.00	-17.80	1	-	-
716M	816M	100k	300k	RMS	717.23M	-50.53	-13.00	-37.53	1	-	-

Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 50,#RB 0

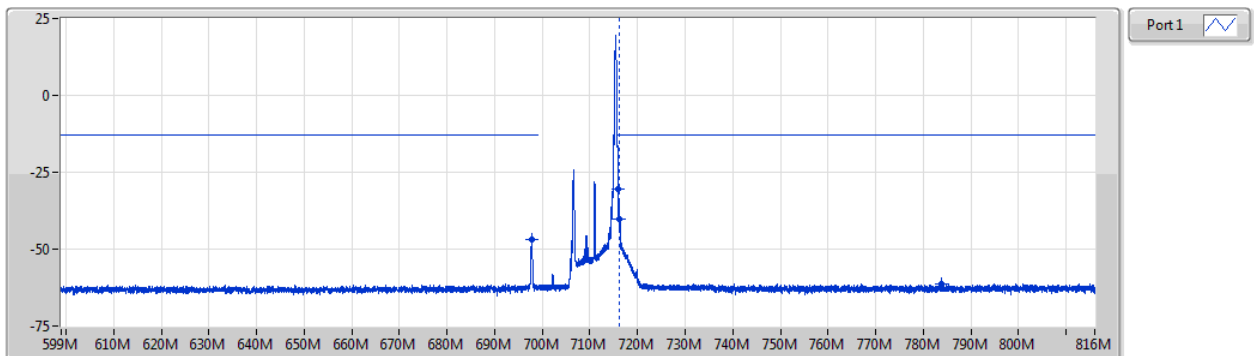


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	699M	-41.77	-13.00	-28.77	1	-
716M	716.1M	100k	300k	RMS	716M	-32.74	-13.00	-19.74	1	-
716.1M	736M	100k	300k	RMS	716.15M	-36.07	-13.00	-23.07	1	MBW 100k
736M	816M	100k	300k	RMS	789.72M	-61.35	-13.00	-48.35	1	-

Band 12_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 1,#RB 49

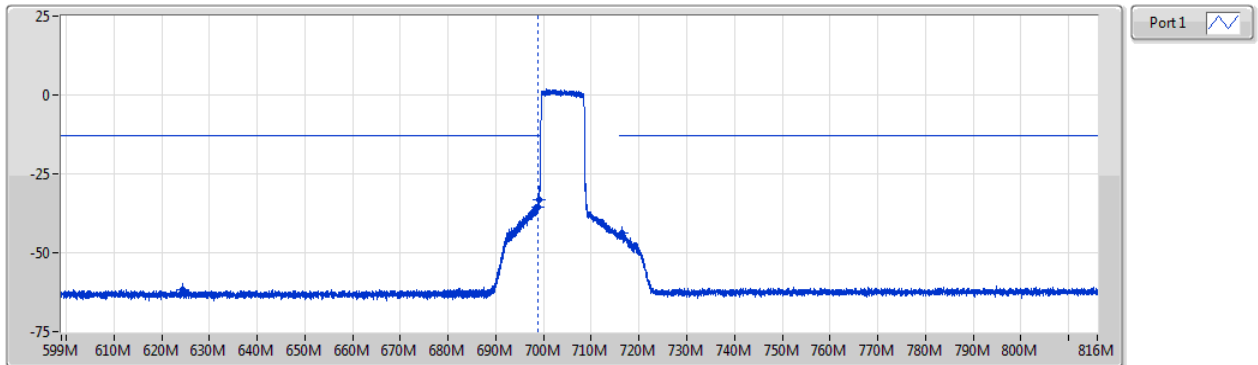


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	697.73M	-46.76	-13.00	-33.76	1	-
716M	716.1M	100k	300k	RMS	716M	-30.64	-13.00	-17.64	1	-
716.1M	736M	100k	300k	RMS	716.15M	-40.10	-13.00	-27.10	1	MBW 100k
736M	816M	100k	300k	RMS	783.82M	-61.15	-13.00	-48.15	1	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz_16QAM_RB 50,#RB 0

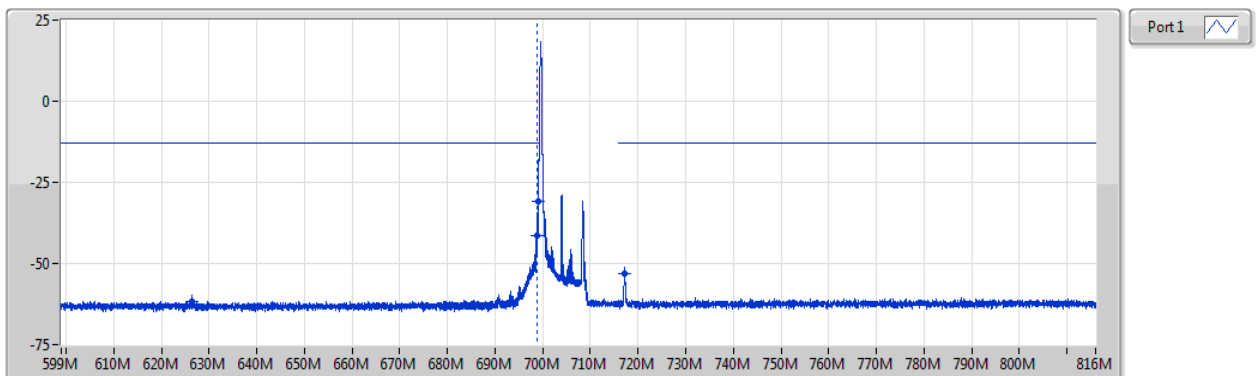


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	679M	100k	300k	RMS	624.44M	-61.61	-13.00	-48.61	1	-	-
679M	698.9M	100k	300k	RMS	698.85M	-35.60	-13.00	-22.60	1	MBW 100k	-
698.9M	699M	100k	300k	RMS	699M	-33.05	-13.00	-20.05	1	-	-
716M	816M	100k	300k	RMS	716.53M	-43.62	-13.00	-30.62	1	-	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz_16QAM_RB 1,#RB 0

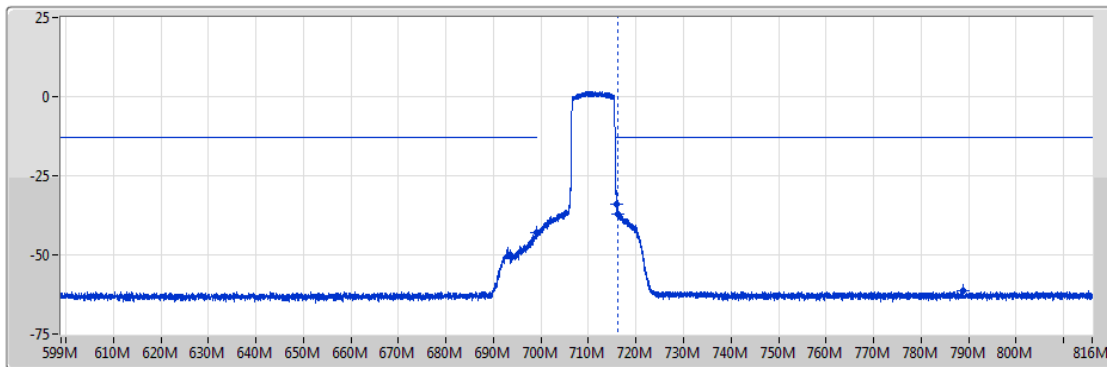


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
599M	679M	100k	300k	RMS	626.3M	-61.58	-13.00	-48.58	1	-	-
679M	698.9M	100k	300k	RMS	698.85M	-41.37	-13.00	-28.37	1	MBW 100k	-
698.9M	699M	100k	300k	RMS	699M	-31.01	-13.00	-18.01	1	-	-
716M	816M	100k	300k	RMS	717.2M	-53.15	-13.00	-40.15	1	-	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 50,#RB 0

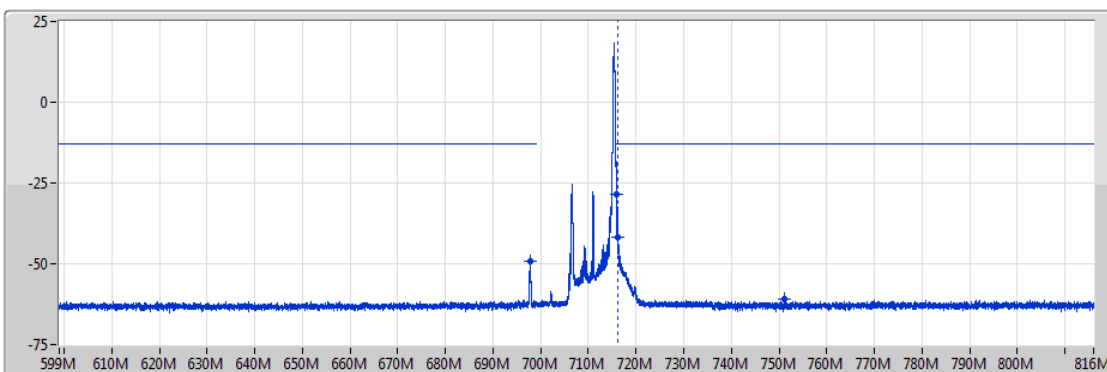


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	698.98M	-43.12	-13.00	-30.12	1	-
716M	716.1M	100k	300k	RMS	716M	-34.11	-13.00	-21.11	1	-
716.1M	736M	100k	300k	RMS	716.15M	-37.01	-13.00	-24.01	1	MBW 100k
736M	816M	100k	300k	RMS	788.8M	-61.36	-13.00	-48.36	1	-

Band 12_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 1,#RB 49



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
599M	699M	100k	300k	RMS	697.75M	-49.40	-13.00	-36.40	1	-
716M	716.1M	100k	300k	RMS	716M	-28.38	-13.00	-15.38	1	-
716.1M	736M	100k	300k	RMS	716.15M	-41.74	-13.00	-28.74	1	MBW 100k
736M	816M	100k	300k	RMS	751.24M	-61.12	-13.00	-48.12	1	-

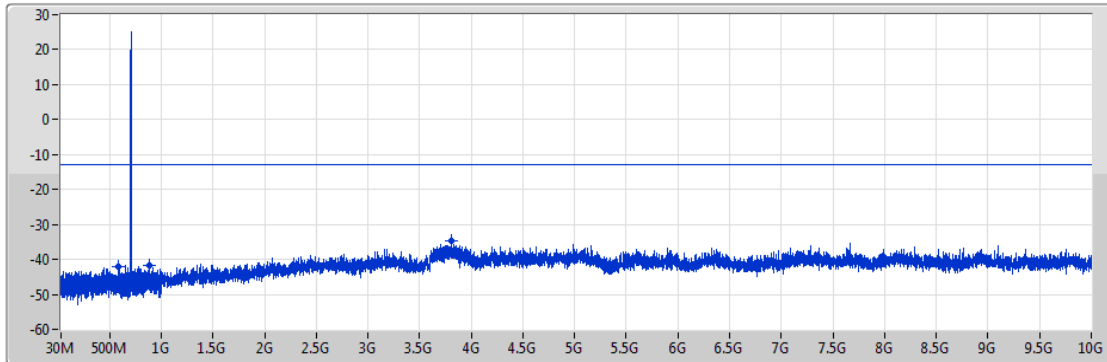
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 17	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.8071G	-34.77	-13.00	-21.77	1	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.7594G	-34.56	-13.00	-21.56	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	1G	10G	1M	3M	Peak	3.7378G	-33.72	-13.00	-20.72	1	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	1G	10G	1M	3M	Peak	3.6964G	-34.86	-13.00	-21.86	1	-	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

706.5MHz

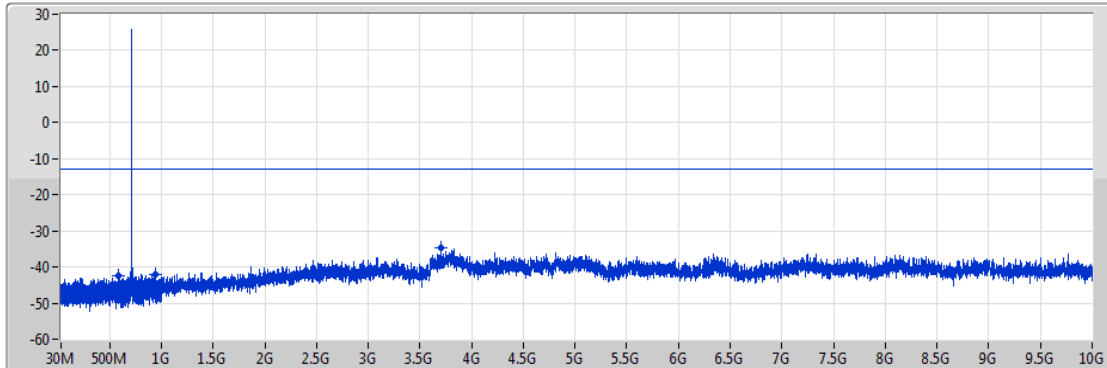


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	587.64M	-42.19	-13.00	-29.19	1	-
816M	1G	1M	3M	Peak	888.4M	-41.72	-13.00	-28.72	1	-
1G	10G	1M	3M	Peak	3.8071G	-34.77	-13.00	-21.77	1	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

710MHz

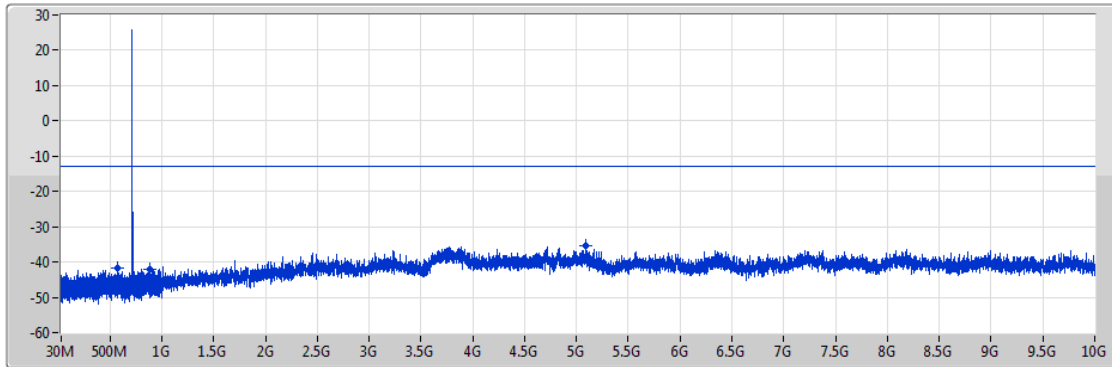


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	585.2M	-42.58	-13.00	-29.58	1	-
816M	1G	1M	3M	Peak	948.02M	-42.16	-13.00	-29.16	1	-
1G	10G	1M	3M	Peak	3.7054G	-34.86	-13.00	-21.86	1	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz

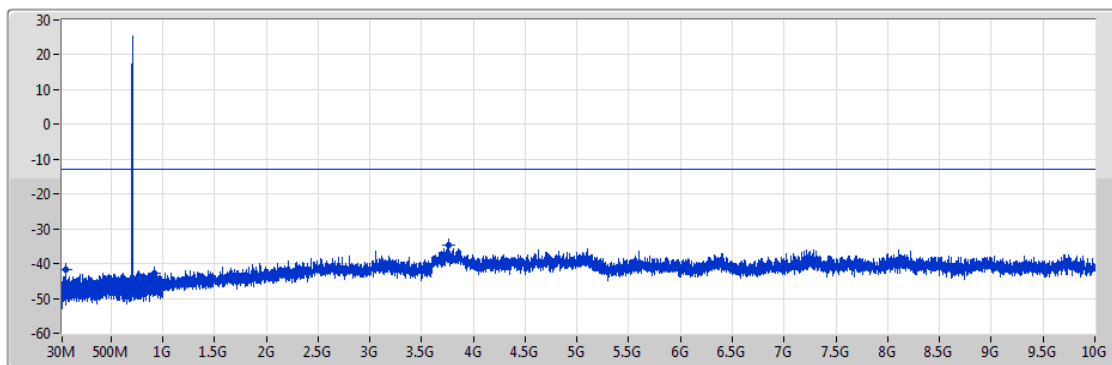


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	573.72M	-41.85	-13.00	-28.85	1	-
816M	1G	1M	3M	Peak	889.88M	-42.14	-13.00	-29.14	1	-
1G	10G	1M	3M	Peak	5.0905G	-35.54	-13.00	-22.54	1	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

706.5MHz

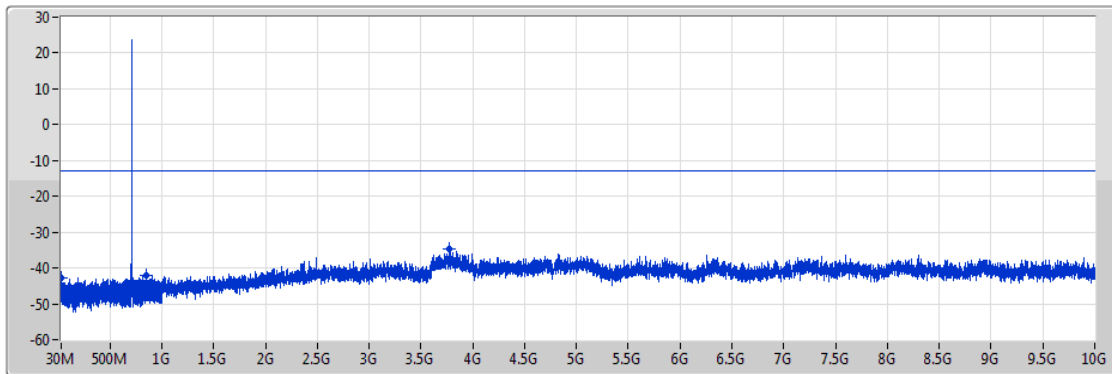


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	63.44M	-41.73	-13.00	-28.73	1	-
816M	1G	1M	3M	Peak	914.35M	-42.66	-13.00	-29.66	1	-
1G	10G	1M	3M	Peak	3.7594G	-34.56	-13.00	-21.56	1	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

710MHz

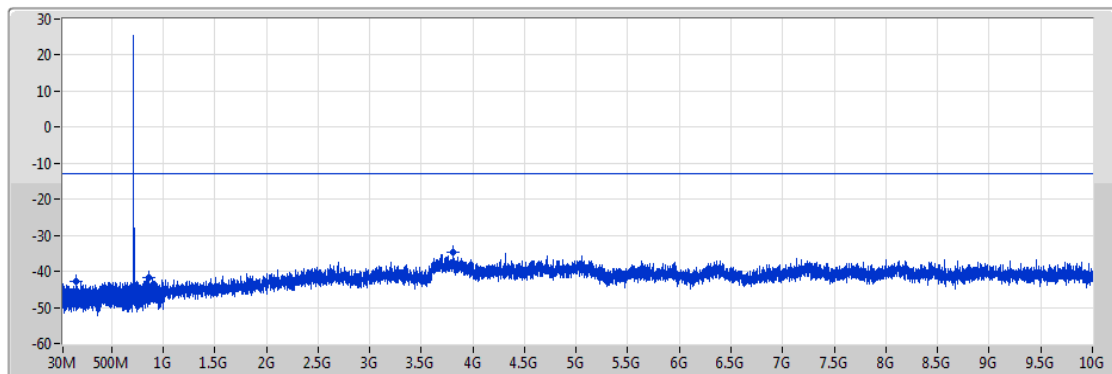


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	32.15M	-42.72	-13.00	-29.72	1	-
816M	1G	1M	3M	Peak	849.03M	-42.13	-13.00	-29.13	1	-
1G	10G	1M	3M	Peak	3.7738G	-34.84	-13.00	-21.84	1	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz

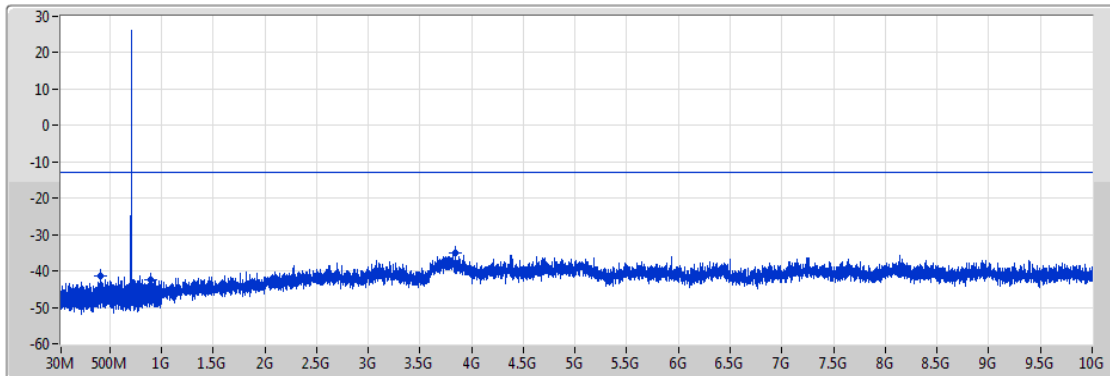


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	160.44M	-42.74	-13.00	-29.74	1	-
816M	1G	1M	3M	Peak	862.55M	-41.86	-13.00	-28.86	1	-
1G	10G	1M	3M	Peak	3.8044G	-34.69	-13.00	-21.69	1	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

709MHz

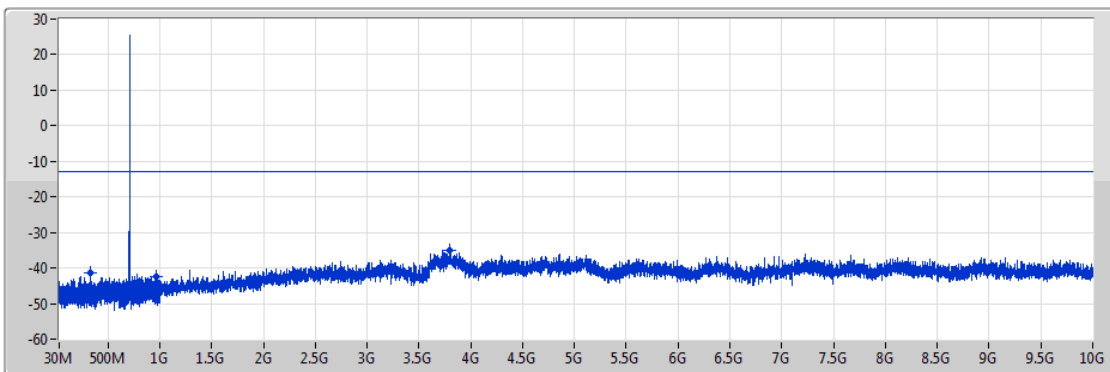


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	410.71M	-41.47	-13.00	-28.47	1	-
816M	1G	1M	3M	Peak	894.2M	-42.50	-13.00	-29.50	1	-
1G	10G	1M	3M	Peak	3.8404G	-34.98	-13.00	-21.98	1	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

710MHz

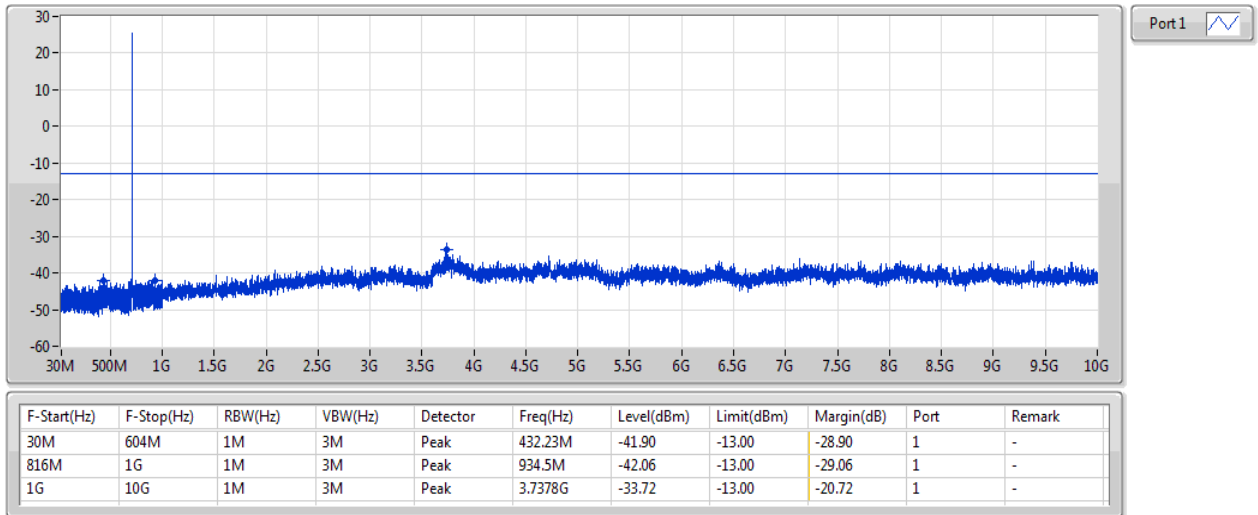


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	331.64M	-41.46	-13.00	-28.46	1	-
816M	1G	1M	3M	Peak	966.24M	-42.40	-13.00	-29.40	1	-
1G	10G	1M	3M	Peak	3.7963G	-35.11	-13.00	-22.11	1	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

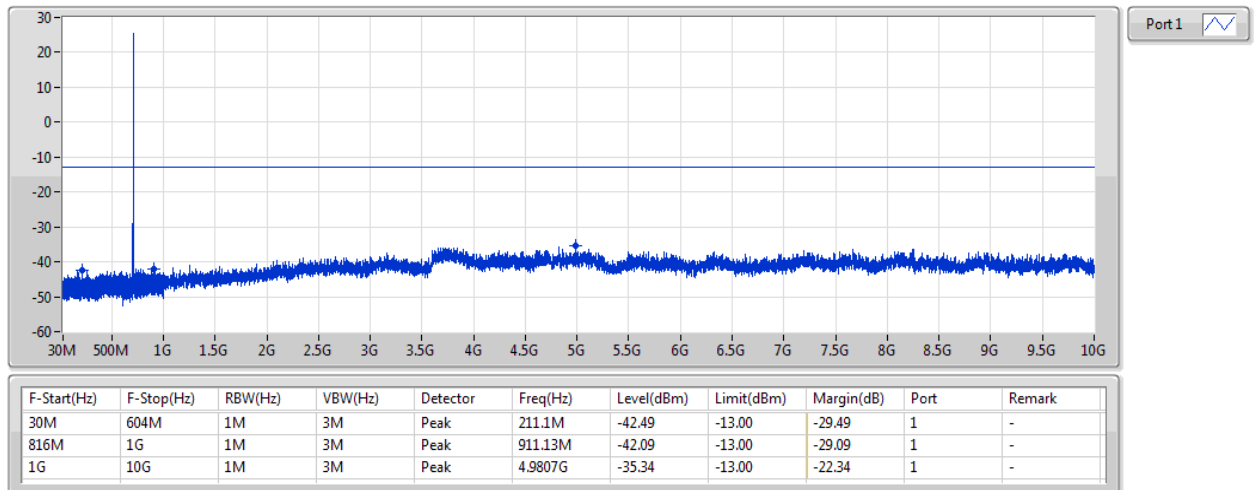
711MHz



Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

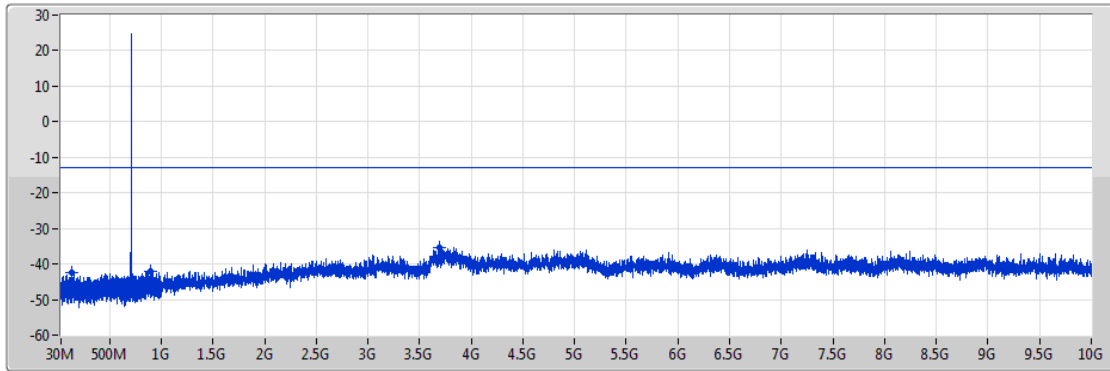
709MHz



Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

710MHz

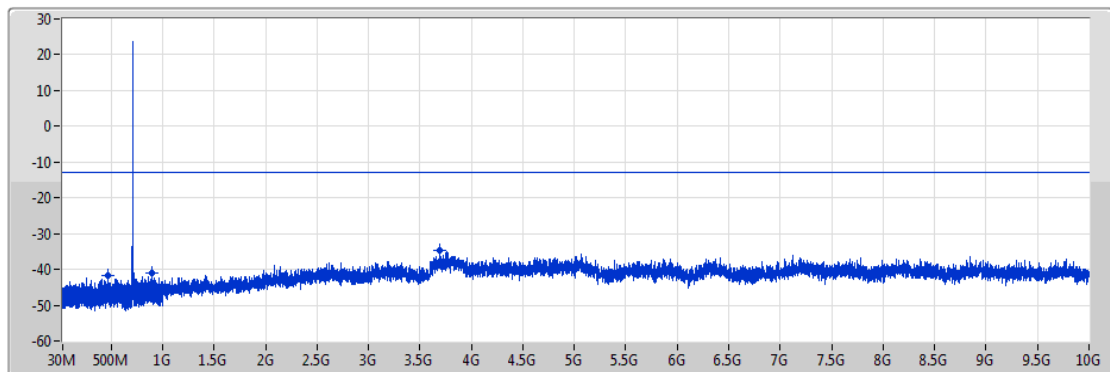


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	133.46M	-42.38	-13.00	-29.38	1	-
816M	1G	1M	3M	Peak	898.16M	-41.96	-13.00	-28.96	1	-
1G	10G	1M	3M	Peak	3.6973G	-35.30	-13.00	-22.30	1	-

Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
30M	604M	1M	3M	Peak	466.1M	-41.77	-13.00	-28.77	1	-
816M	1G	1M	3M	Peak	891.16M	-41.08	-13.00	-28.08	1	-
1G	10G	1M	3M	Peak	3.6964G	-34.86	-13.00	-21.86	1	-

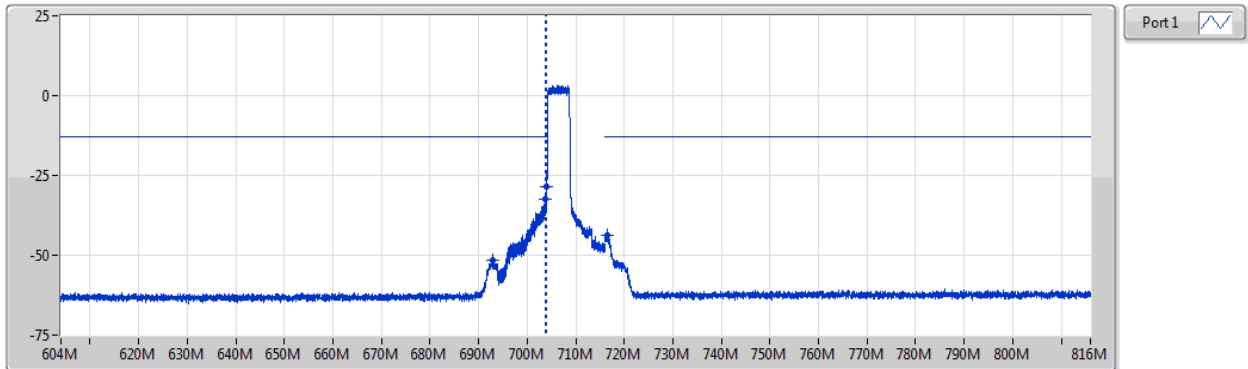
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port	Remark	Ref.Limit (dB)
Band 17	-	-	-	-	-	-	-	-	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	716M	716.1M	51k	160k	RMS	716M	-21.11	-13.00	-8.11	1	-	-
LTE_5MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	51k	160k	RMS	716M	-22.01	-13.00	-9.01	1	-	-
LTE_10MHz_Nss1,QPSK_1TX	Pass	716M	716.1M	100k	300k	RMS	716M	-31.43	-13.00	-18.43	1	-	-
LTE_10MHz_Nss1,16QAM_1TX	Pass	716M	716.1M	100k	300k	RMS	716M	-28.79	-13.00	-15.79	1	-	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

706.5MHz_QPSK_RB 25,#RB 0

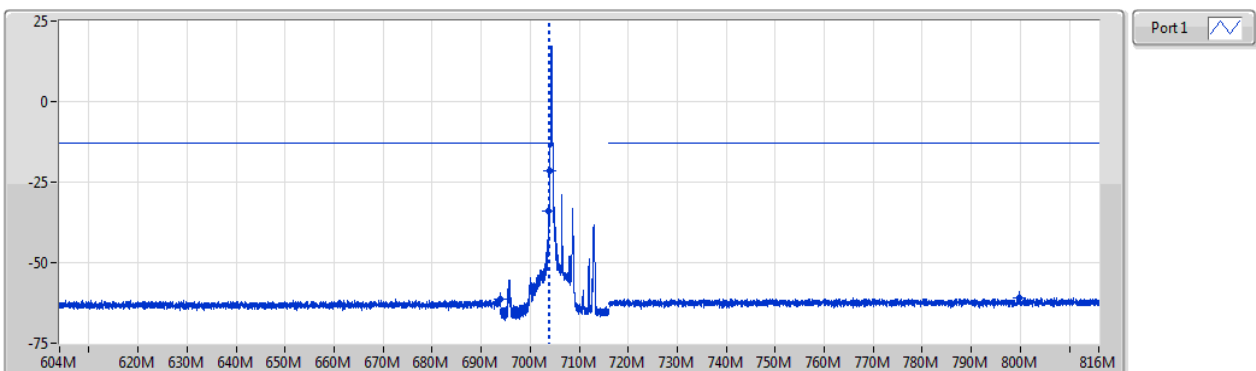


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	694M	100k	300k	RMS	693.01M	-51.74	-13.00	-38.74	1	-	-
694M	703.9M	51k	160k	RMS	703.85M	-32.25	-13.00	-19.25	1	MBW 100k	-
703.9M	704M	51k	160k	RMS	704M	-28.42	-13.00	-15.42	1	-	-
716M	816M	100k	300k	RMS	716.53M	-43.78	-13.00	-30.78	1	-	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

706.5MHz_QPSK_RB 1,#RB 0

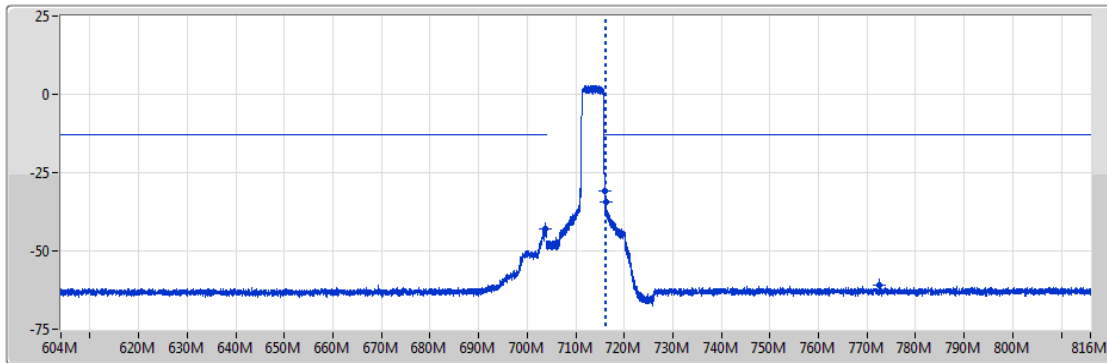


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	694M	100k	300k	RMS	694M	-61.33	-13.00	-48.33	1	-	-
694M	703.9M	51k	160k	RMS	703.85M	-34.10	-13.00	-21.10	1	MBW 100k	-
703.9M	704M	51k	160k	RMS	704M	-21.31	-13.00	-8.31	1	-	-
716M	816M	100k	300k	RMS	799.78M	-60.82	-13.00	-47.82	1	-	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 25,#RB 0

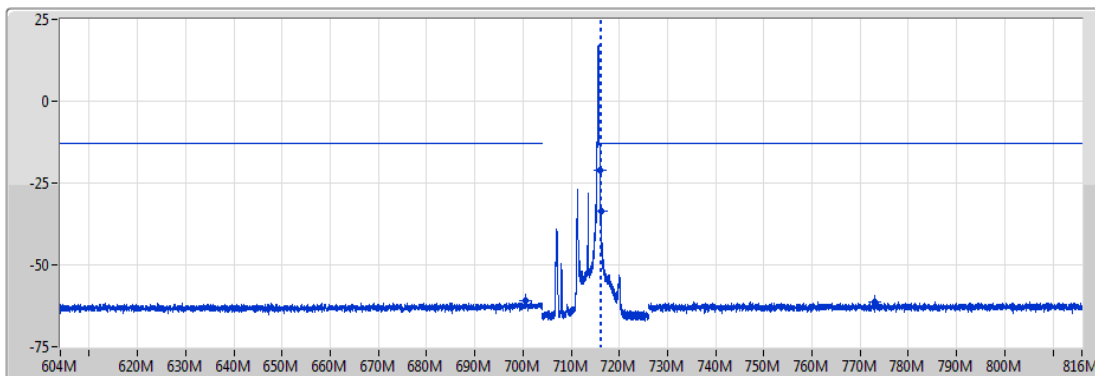


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	703.68M	-42.93	-13.00	-29.93	1	-
716M	716.1M	51k	160k	RMS	716M	-30.77	-13.00	-17.77	1	-
716.1M	726M	51k	160k	RMS	716.15M	-34.19	-13.00	-21.19	1	MBW 100k
726M	816M	100k	300k	RMS	772.6M	-61.13	-13.00	-48.13	1	-

Band 17_LTE_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 1,#RB 24

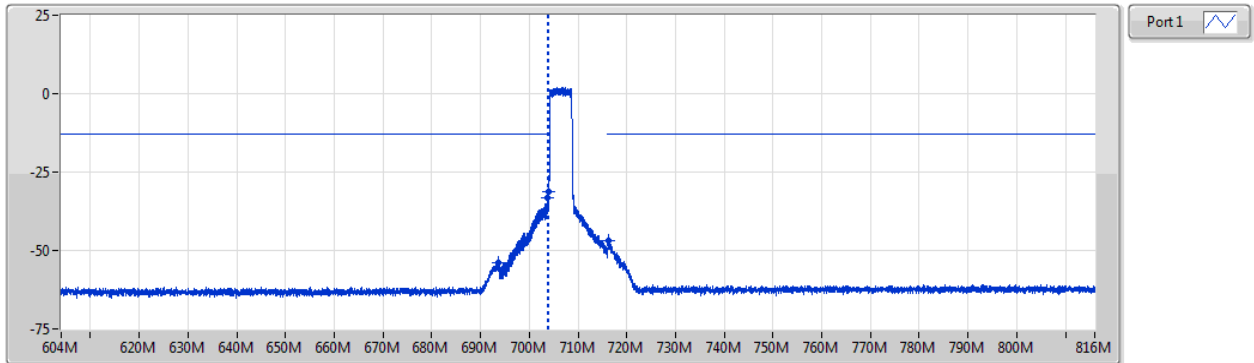


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	700.43M	-61.02	-13.00	-48.02	1	-
716M	716.1M	51k	160k	RMS	716M	-21.11	-13.00	-8.11	1	-
716.1M	726M	51k	160k	RMS	716.15M	-33.43	-13.00	-20.43	1	MBW 100k
726M	816M	100k	300k	RMS	772.96M	-61.15	-13.00	-48.15	1	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

706.5MHz_16QAM_RB 25,#RB 0

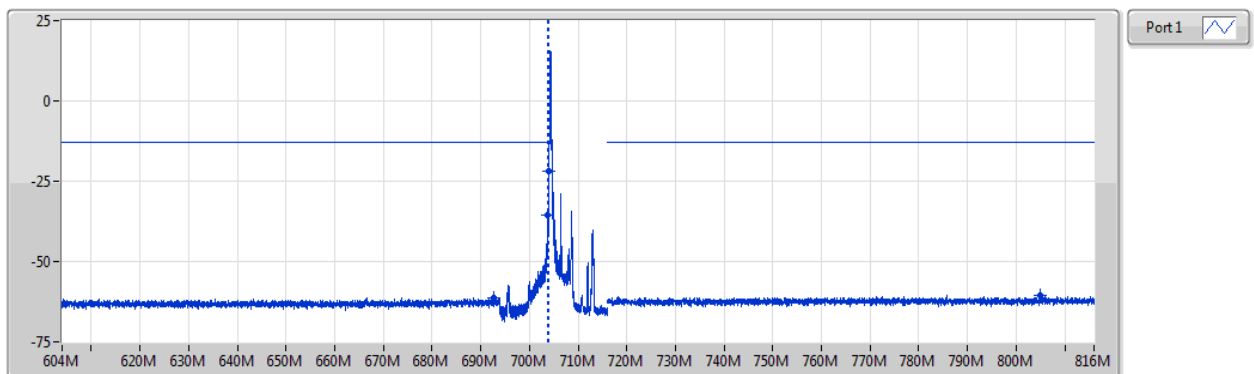


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	694M	100k	300k	RMS	693.75M	-53.80	-13.00	-40.80	1	-	-
694M	703.9M	51k	160k	RMS	703.85M	-33.36	-13.00	-20.36	1	MBW 100k	-
703.9M	704M	51k	160k	RMS	704M	-31.11	-13.00	-18.11	1	-	-
716M	816M	100k	300k	RMS	716.38M	-46.70	-13.00	-33.70	1	-	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

706.5MHz_16QAM_RB 1,#RB 0

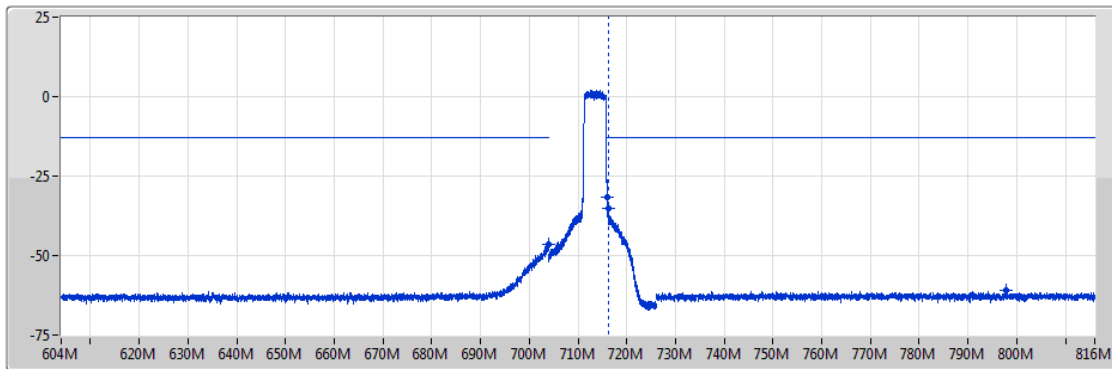


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	694M	100k	300k	RMS	692.7M	-61.32	-13.00	-48.32	1	-	-
694M	703.9M	51k	160k	RMS	703.85M	-35.56	-13.00	-22.56	1	MBW 100k	-
703.9M	704M	51k	160k	RMS	704M	-22.06	-13.00	-9.06	1	-	-
716M	816M	100k	300k	RMS	804.95M	-60.55	-13.00	-47.55	1	-	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz_16QAM_RB 25,#RB 0

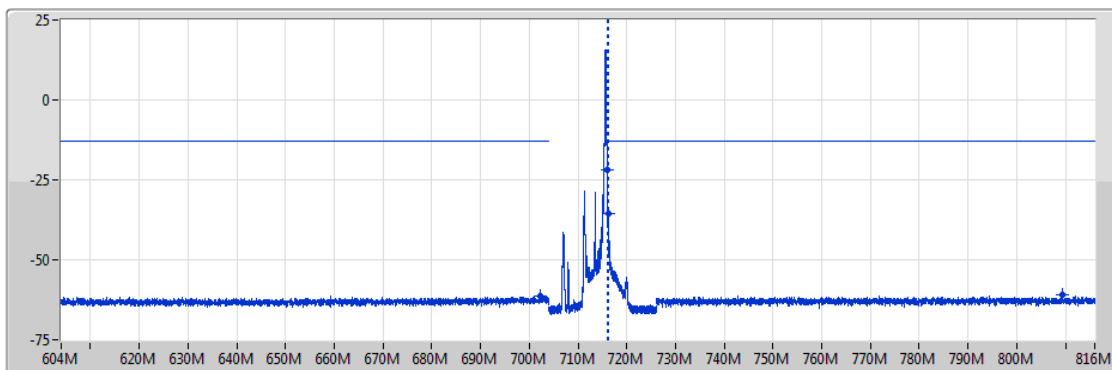


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	703.98M	-46.38	-13.00	-33.38	1	-
716M	716.1M	51k	160k	RMS	716M	-31.46	-13.00	-18.46	1	-
716.1M	726M	51k	160k	RMS	716.25M	-35.05	-13.00	-22.05	1	MBW 100k
726M	816M	100k	300k	RMS	797.82M	-60.99	-13.00	-47.99	1	-

Band 17_LTE_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz_16QAM_RB 1,#RB 24

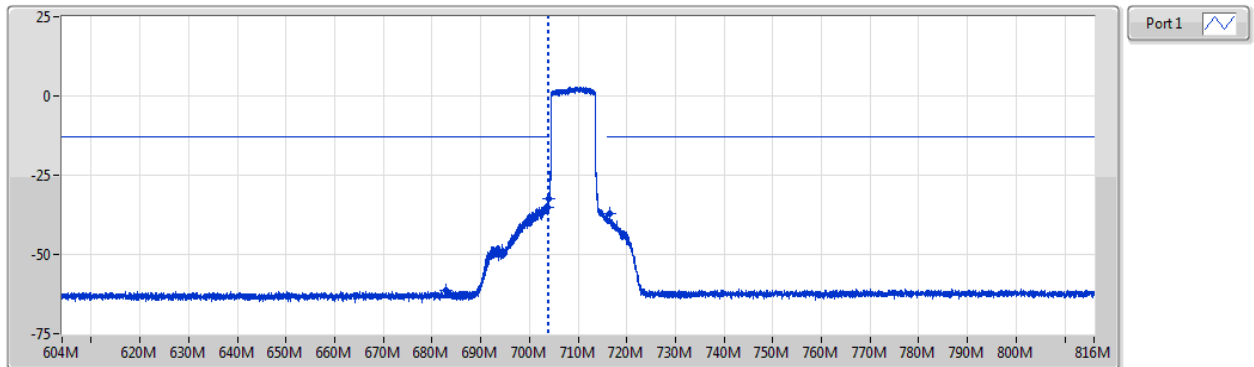


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	702.23M	-61.26	-13.00	-48.26	1	-
716M	716.1M	51k	160k	RMS	716M	-22.01	-13.00	-9.01	1	-
716.1M	726M	51k	160k	RMS	716.15M	-35.63	-13.00	-22.63	1	MBW 100k
726M	816M	100k	300k	RMS	809.3M	-61.07	-13.00	-48.07	1	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

709MHz_QPSK_RB 50,#RB 0

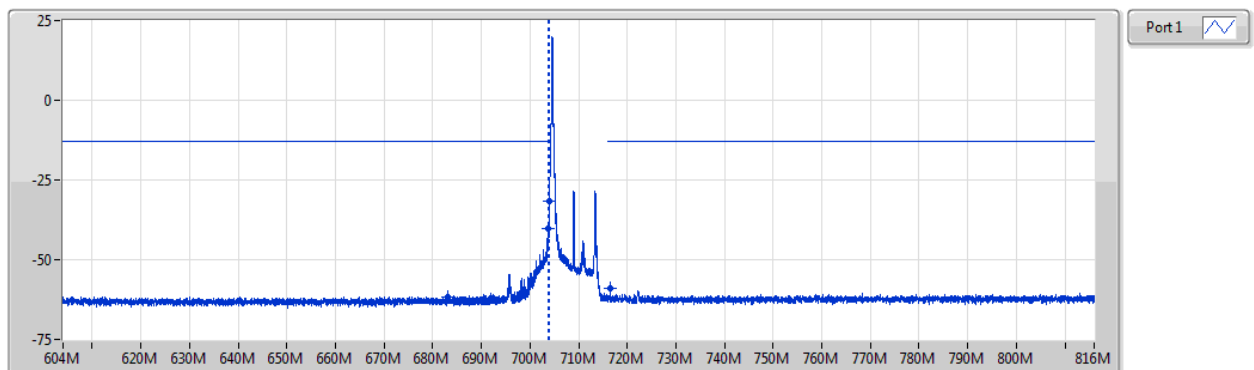


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	684M	100k	300k	RMS	682.96M	-61.23	-13.00	-48.23	1	-	-
684M	703.9M	100k	300k	RMS	703.85M	-35.12	-13.00	-22.12	1	MBW 100k	-
703.9M	704M	100k	300k	RMS	704M	-32.48	-13.00	-19.48	1	-	-
716M	816M	100k	300k	RMS	716.48M	-37.19	-13.00	-24.19	1	-	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

709MHz_QPSK_RB 1,#RB 0

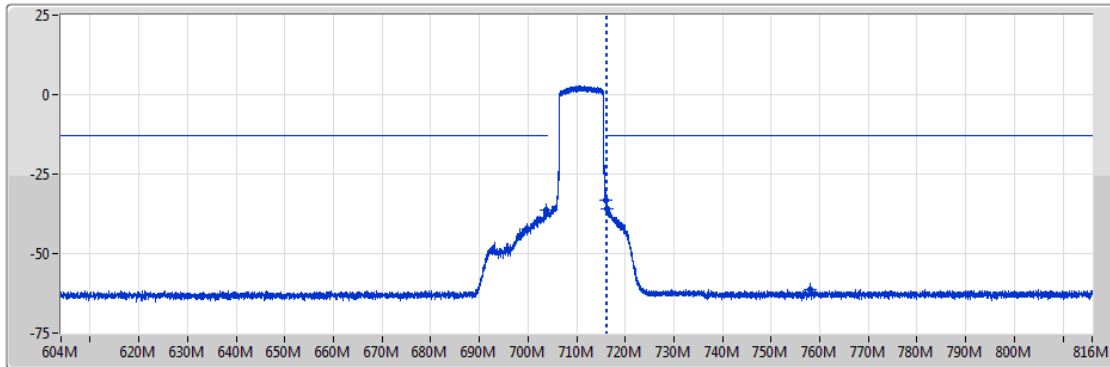


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	684M	100k	300k	RMS	683.04M	-61.62	-13.00	-48.62	1	-	-
684M	703.9M	100k	300k	RMS	703.85M	-40.12	-13.00	-27.12	1	MBW 100k	-
703.9M	704M	100k	300k	RMS	704M	-31.51	-13.00	-18.51	1	-	-
716M	816M	100k	300k	RMS	716.5M	-59.17	-13.00	-46.17	1	-	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 50,#RB 0

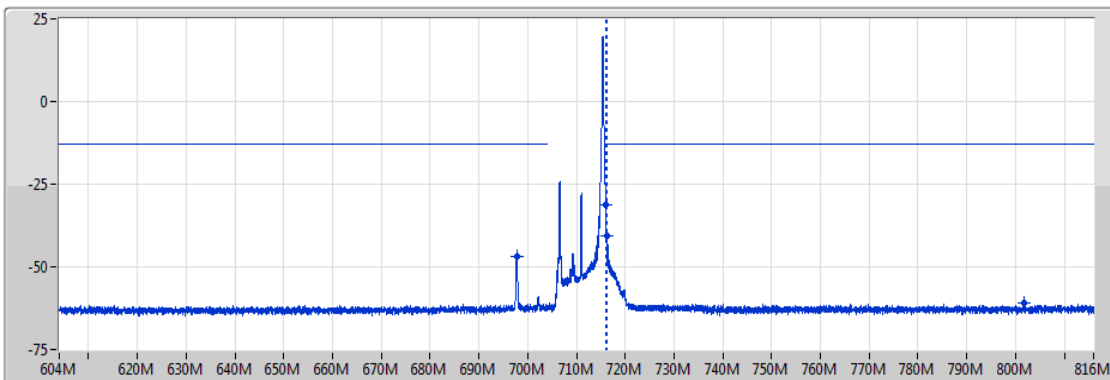


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	703.65M	-36.35	-13.00	-23.35	1	-
716M	716.1M	100k	300k	RMS	716M	-33.13	-13.00	-20.13	1	-
716.1M	736M	100k	300k	RMS	716.15M	-36.13	-13.00	-23.13	1	MBW 100k
736M	816M	100k	300k	RMS	758.06M	-61.28	-13.00	-48.28	1	-

Band 17_LTE_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz_QPSK_RB 1,#RB 49

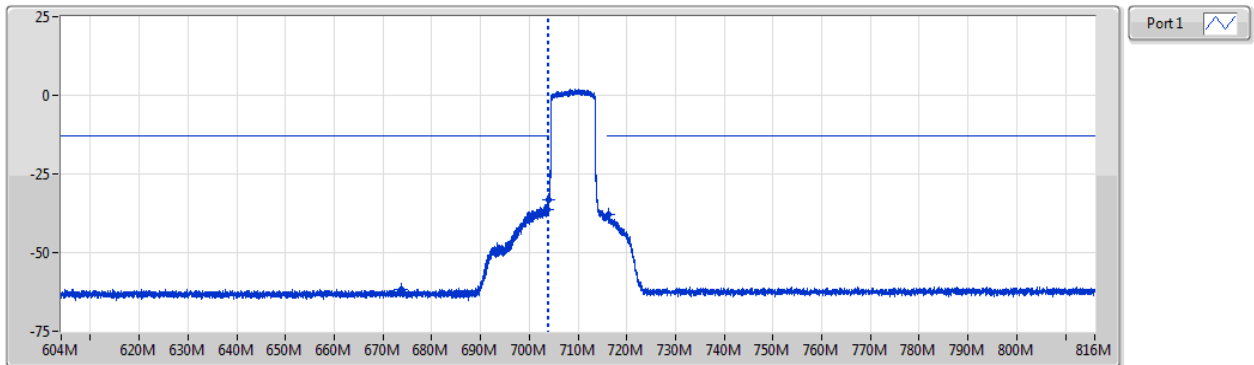


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	697.78M	-46.89	-13.00	-33.89	1	-
716M	716.1M	100k	300k	RMS	716M	-31.43	-13.00	-18.43	1	-
716.1M	736M	100k	300k	RMS	716.15M	-40.67	-13.00	-27.67	1	MBW 100k
736M	816M	100k	300k	RMS	801.68M	-61.07	-13.00	-48.07	1	-

Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

709MHz_16QAM_RB 50,#RB 0

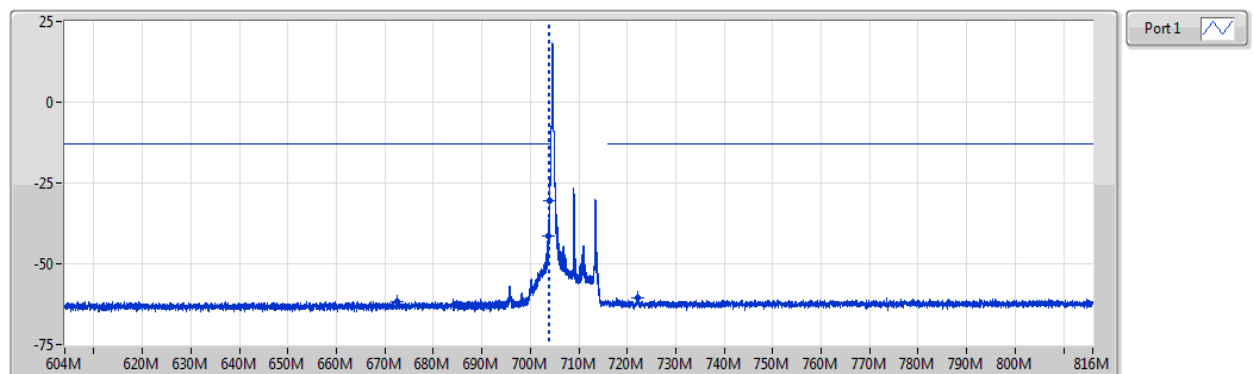


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	684M	100k	300k	RMS	673.76M	-61.58	-13.00	-48.58	1	-	-
684M	703.9M	100k	300k	RMS	703.85M	-36.35	-13.00	-23.35	1	MBW 100k	-
703.9M	704M	100k	300k	RMS	704M	-33.27	-13.00	-20.27	1	-	-
716M	816M	100k	300k	RMS	716.23M	-37.80	-13.00	-24.80	1	-	-

Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

709MHz_16QAM_RB 1,#RB 0

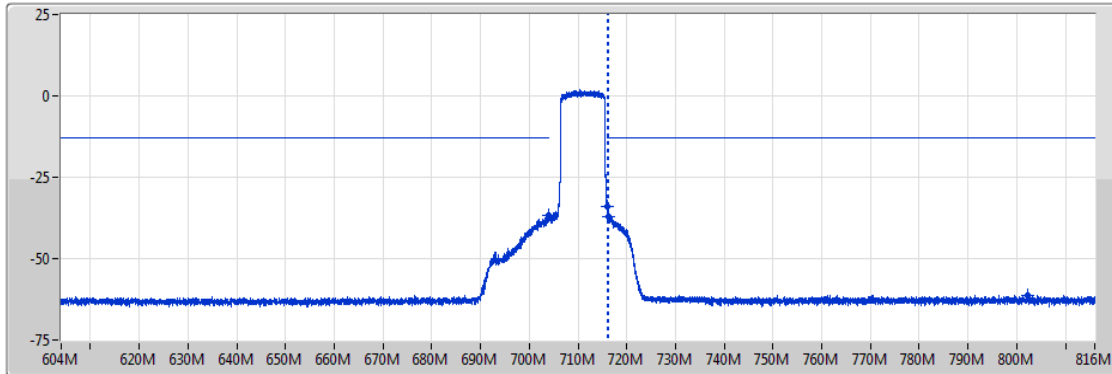


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark	Ref.Limit(dB)
604M	684M	100k	300k	RMS	672.64M	-61.58	-13.00	-48.58	1	-	-
684M	703.9M	100k	300k	RMS	703.85M	-41.38	-13.00	-28.38	1	MBW 100k	-
703.9M	704M	100k	300k	RMS	704M	-30.50	-13.00	-17.50	1	-	-
716M	816M	100k	300k	RMS	722.13M	-60.44	-13.00	-47.44	1	-	-

Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 50,#RB 0

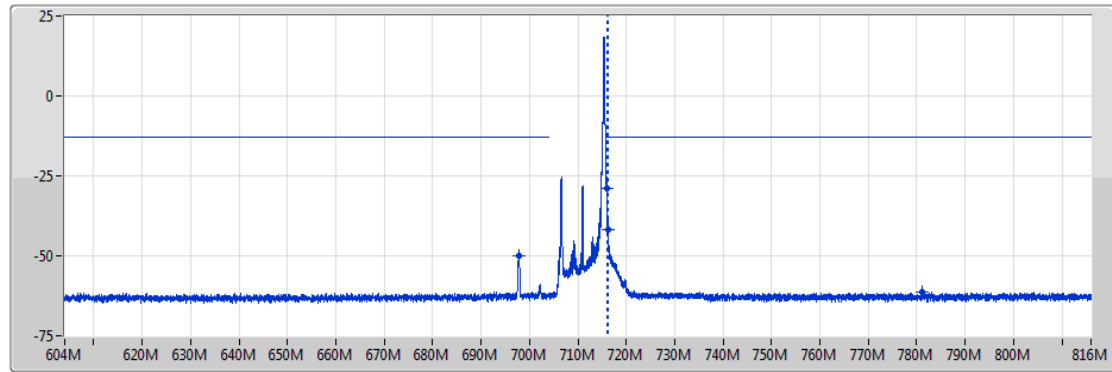


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	703.93M	-36.82	-13.00	-23.82	1	-
716M	716.1M	100k	300k	RMS	716M	-33.97	-13.00	-20.97	1	-
716.1M	736M	100k	300k	RMS	716.15M	-37.04	-13.00	-24.04	1	MBW 100k
736M	816M	100k	300k	RMS	802.3M	-61.16	-13.00	-48.16	1	-

Band 17_LTE_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

711MHz_16QAM_RB 1,#RB 49



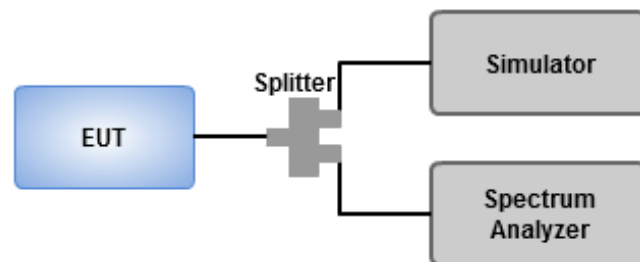
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port	Remark
604M	704M	100k	300k	RMS	697.75M	-49.95	-13.00	-36.95	1	-
716M	716.1M	100k	300k	RMS	716M	-28.79	-13.00	-15.79	1	-
716.1M	736M	100k	300k	RMS	716.15M	-41.76	-13.00	-28.76	1	MBW 100k
736M	816M	100k	300k	RMS	781.08M	-61.44	-13.00	-48.44	1	-

3.4 Occupied Bandwidth and 26dB Bandwidth

3.4.1 Test Procedures

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

3.4.2 Test Setup



3.4.3 Test Result of Occupied Bandwidth

Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 12	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	1.241M	1.081M	1M08G7D	1.225M	1.077M
LTE_1.4MHz_Nss1,16QAM_1TX	1.246M	1.08M	1M08W7D	1.229M	1.079M
LTE_3MHz_Nss1,QPSK_1TX	2.91M	2.678M	2M68G7D	2.906M	2.674M
LTE_3MHz_Nss1,16QAM_1TX	2.918M	2.68M	2M68W7D	2.906M	2.674M
LTE_5MHz_Nss1,QPSK_1TX	4.881M	4.465M	4M47G7D	4.863M	4.457M
LTE_5MHz_Nss1,16QAM_1TX	4.913M	4.462M	4M46W7D	4.856M	4.46M
LTE_10MHz_Nss1,QPSK_1TX	9.688M	8.926M	8M93G7D	9.6M	8.922M
LTE_10MHz_Nss1,16QAM_1TX	9.6M	8.921M	8M92W7D	9.55M	8.892M

Max-N dB = Maximum 26dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 26dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

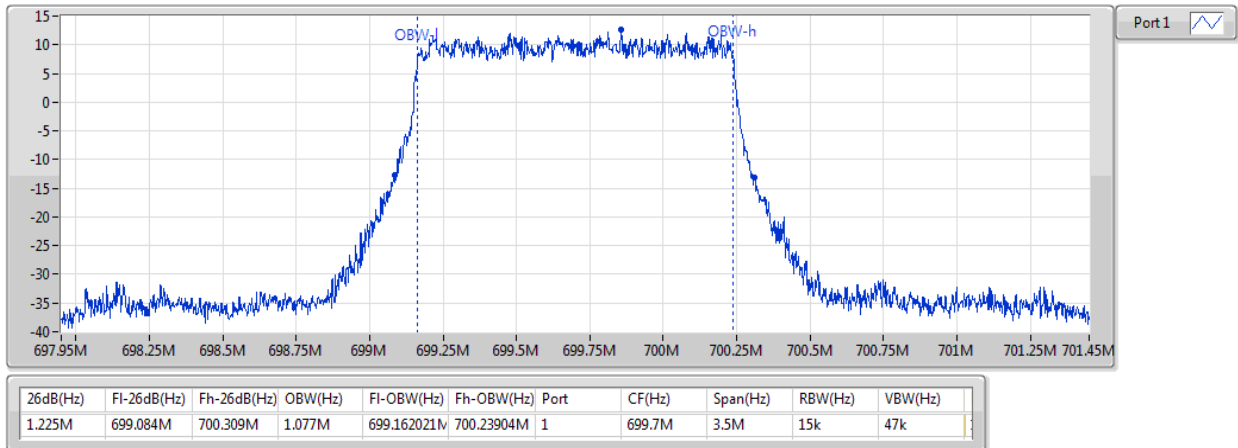
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 12_LTE_1.4MHz_Nss1_1TX	-	-	-	-
699.7MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.225M	1.077M
707.5MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.241M	1.077M
715.3MHz_QPSK_RB 6,#RB 0	Pass	Inf	1.232M	1.081M
699.7MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.229M	1.079M
707.5MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.234M	1.08M
715.3MHz_16QAM_RB 6,#RB 0	Pass	Inf	1.246M	1.079M
Band 12_LTE_3MHz_Nss1_1TX	-	-	-	-
700.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.91M	2.674M
707.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.906M	2.678M
714.5MHz_QPSK_RB 15,#RB 0	Pass	Inf	2.91M	2.677M
700.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.918M	2.676M
707.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.906M	2.68M
714.5MHz_16QAM_RB 15,#RB 0	Pass	Inf	2.906M	2.674M
Band 12_LTE_5MHz_Nss1_1TX	-	-	-	-
701.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.863M	4.459M
707.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.881M	4.465M
713.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.863M	4.457M
701.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.913M	4.46M
707.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.863M	4.462M
713.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.856M	4.461M
Band 12_LTE_10MHz_Nss1_1TX	-	-	-	-
704MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.688M	8.926M
707.5MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.688M	8.925M
711MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.6M	8.922M
704MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.55M	8.921M
707.5MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.6M	8.914M
711MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.563M	8.892M

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

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

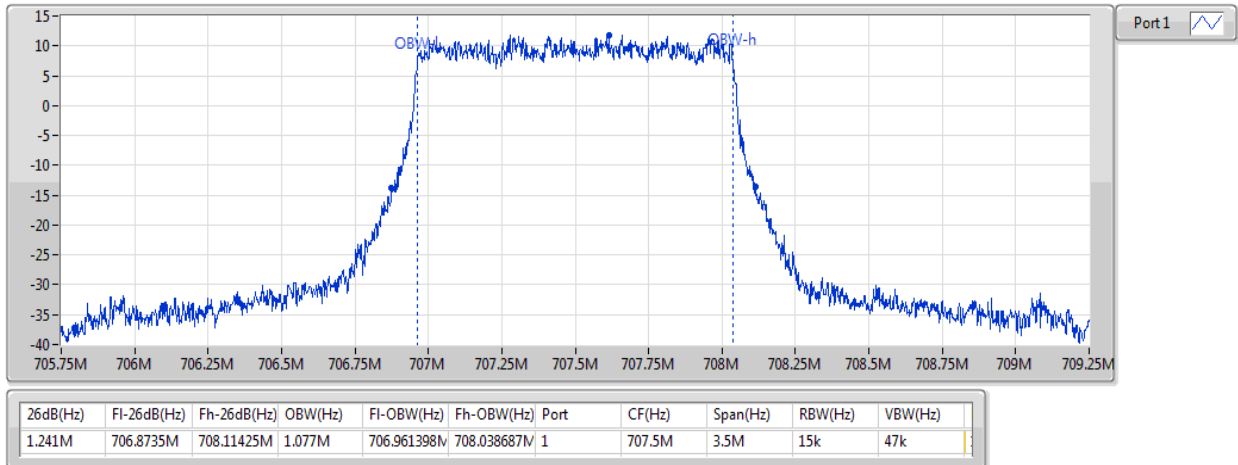
699.7MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

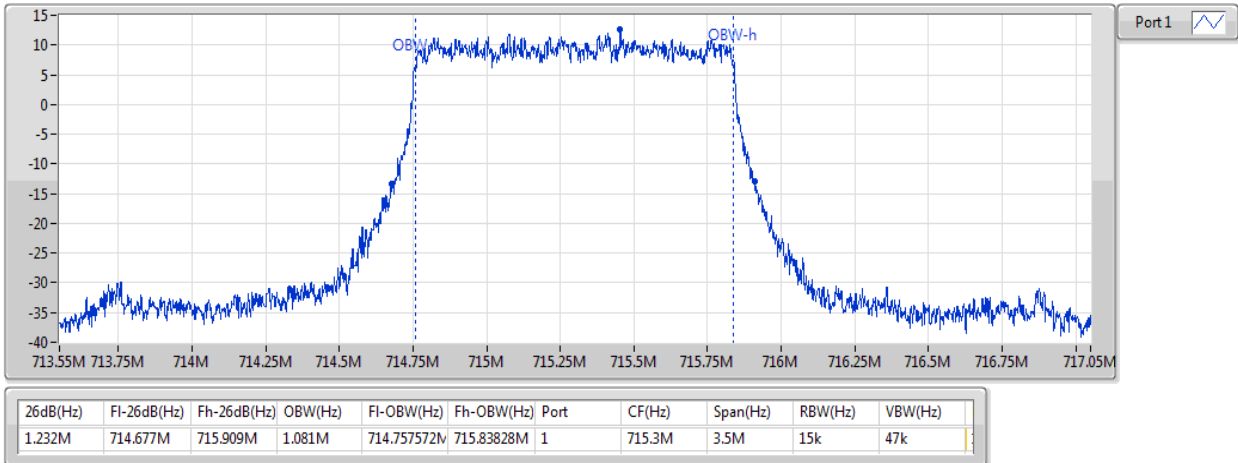
707.5MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

EBW

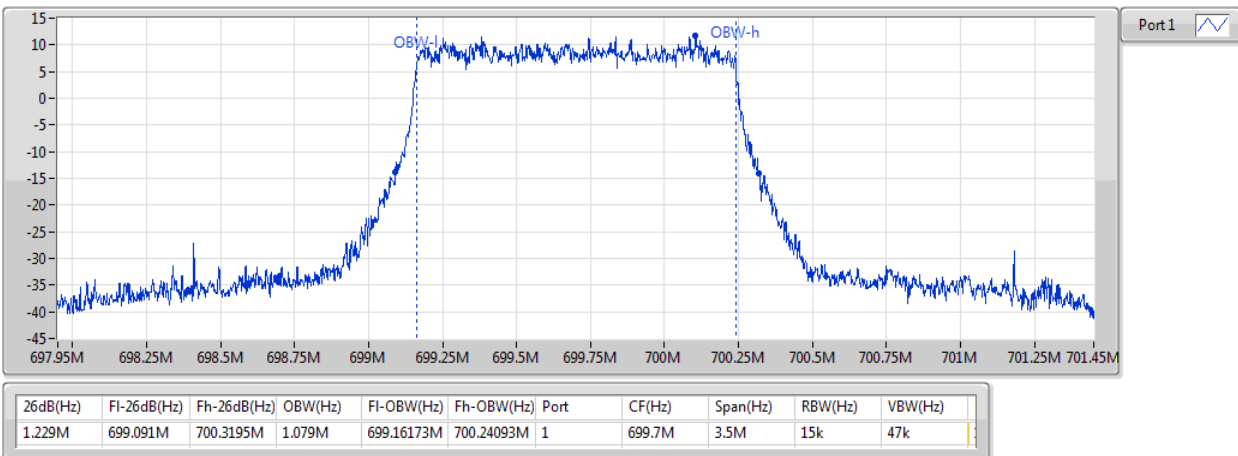
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Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

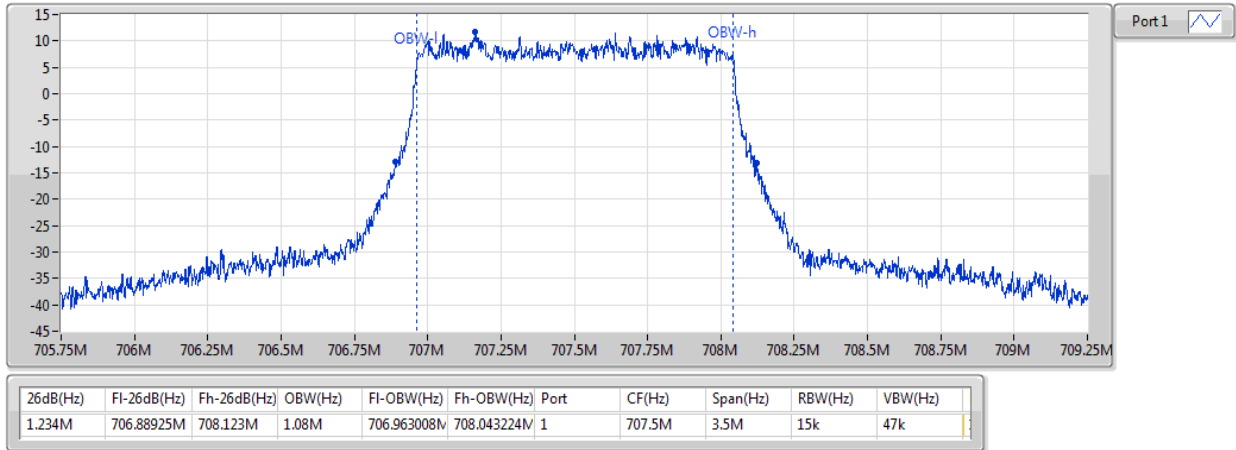
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Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

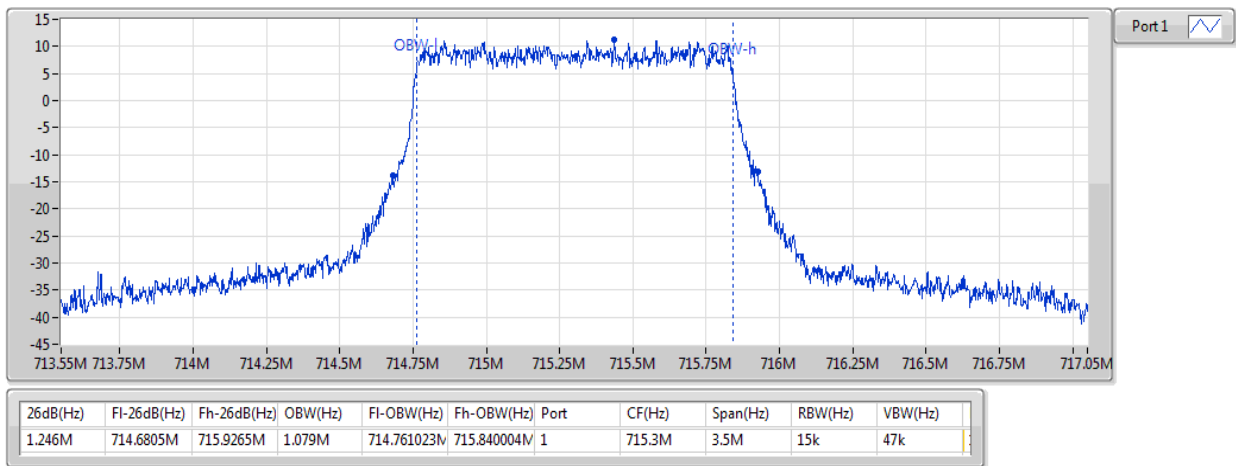
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Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

EBW

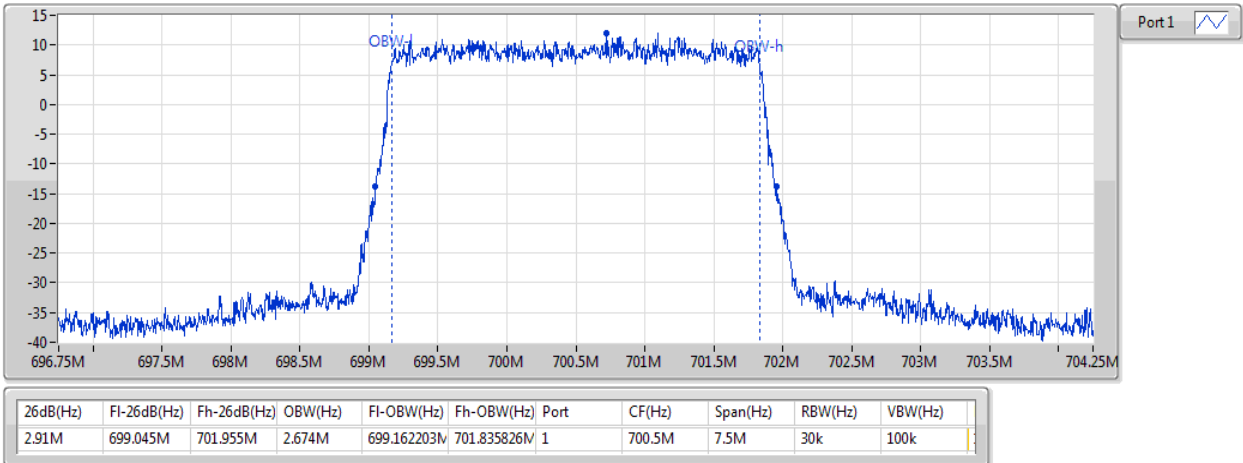
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Band 12_LTE_3MHz_Nss1,QPSK_1TX

EBW

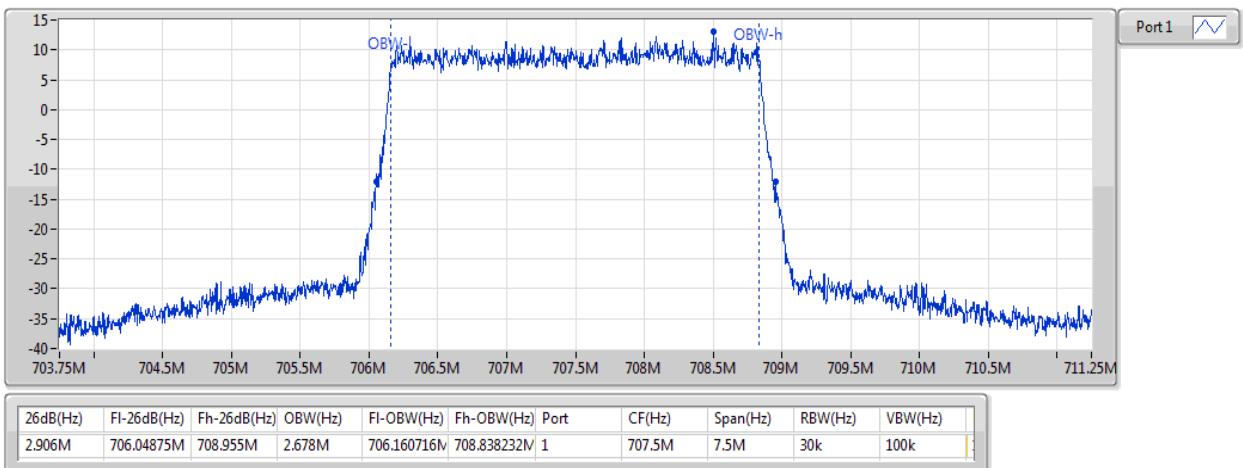
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Band 12_LTE_3MHz_Nss1,QPSK_1TX

EBW

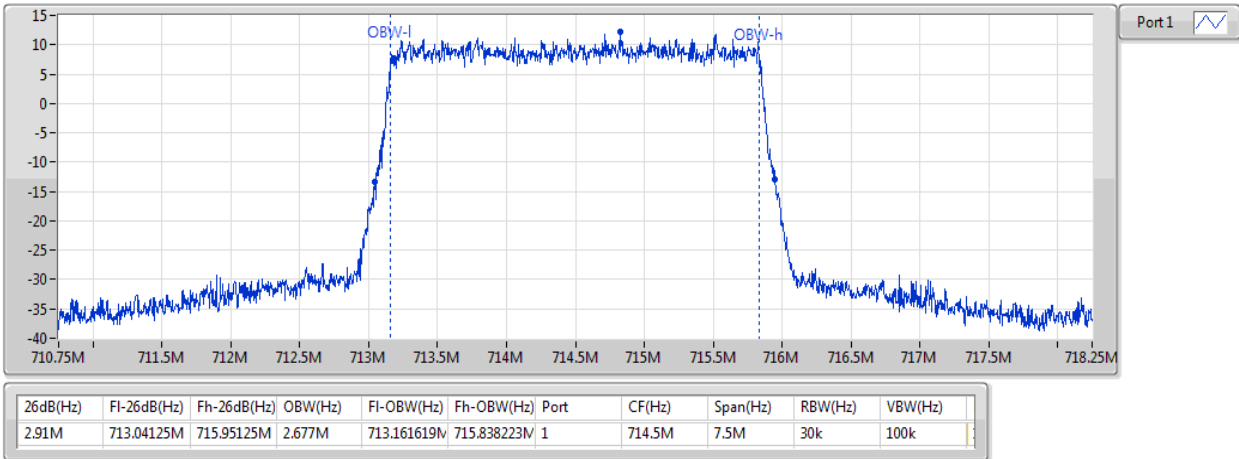
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Band 12_LTE_3MHz_Nss1,QPSK_1TX

EBW

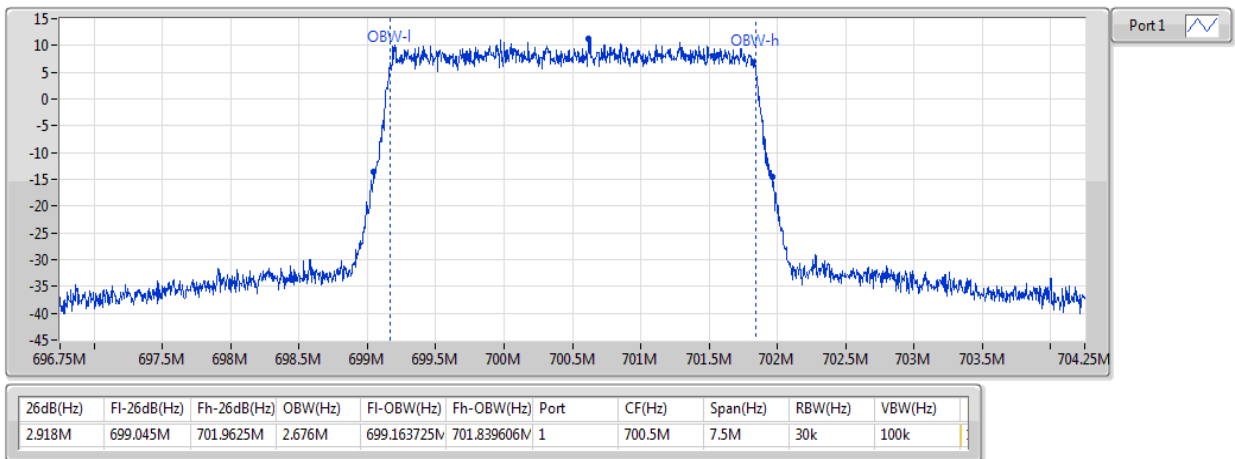
714.5MHz_QPSK_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

EBW

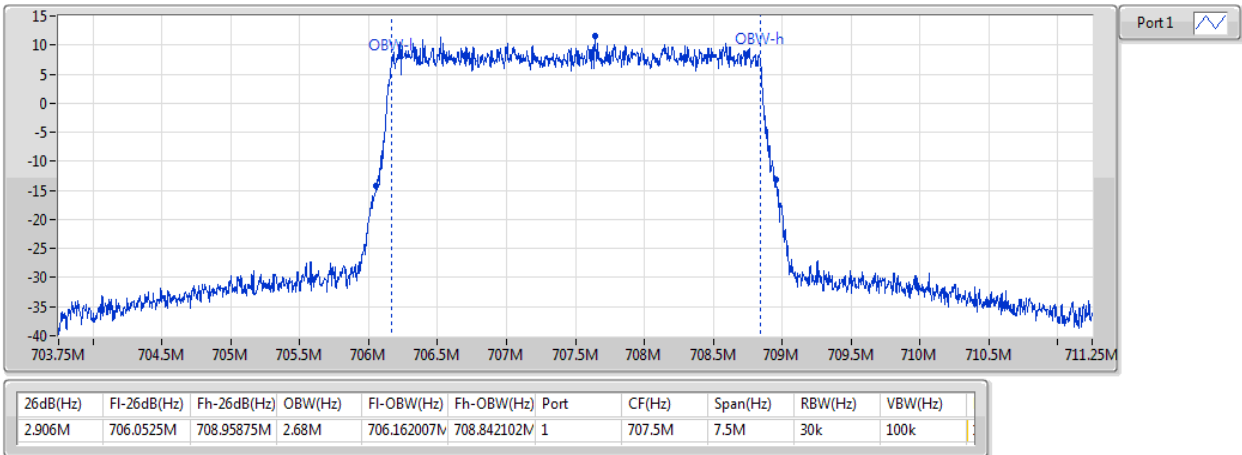
700.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

EBW

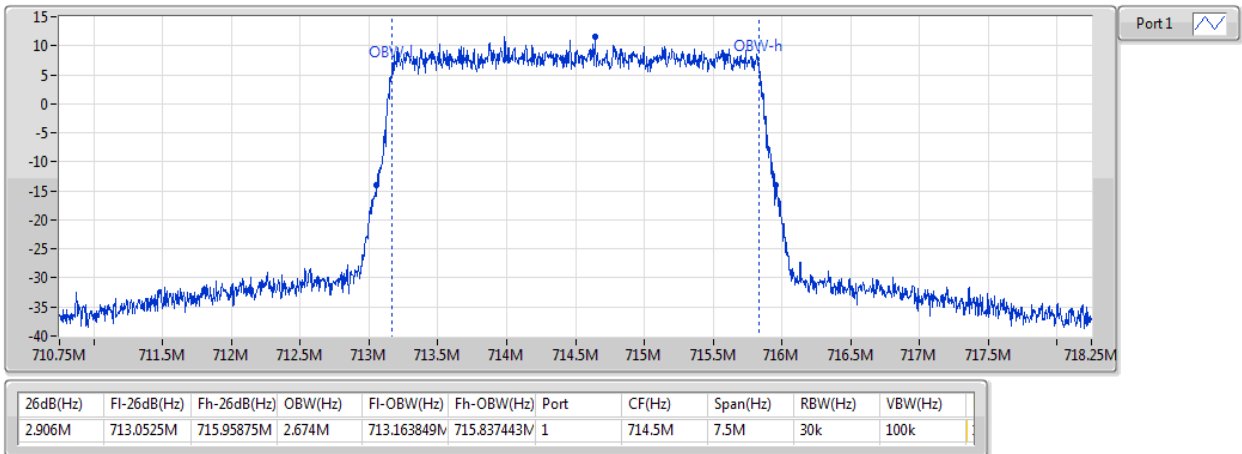
707.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

EBW

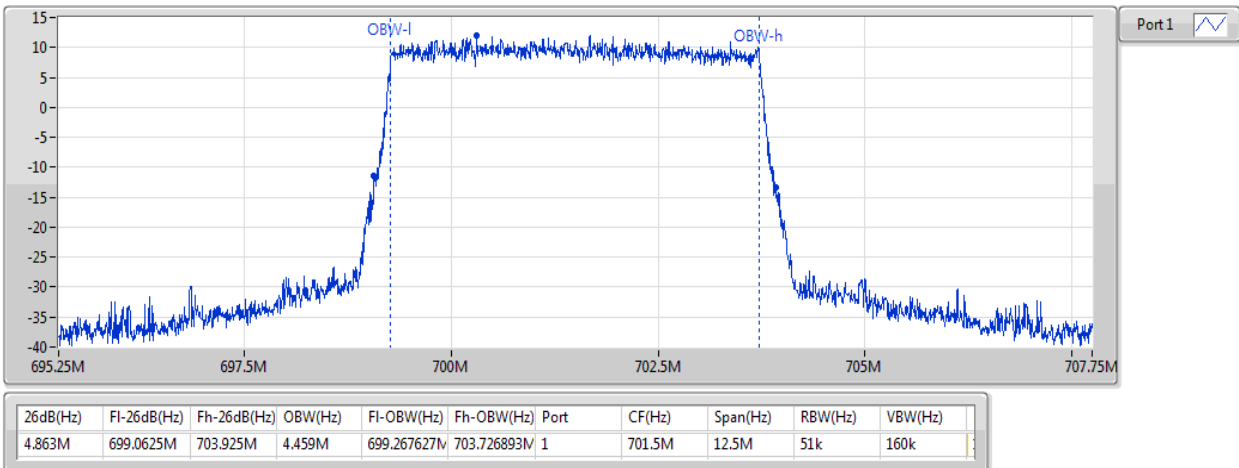
714.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_5MHz_Nss1,QPSK_1TX

EBW

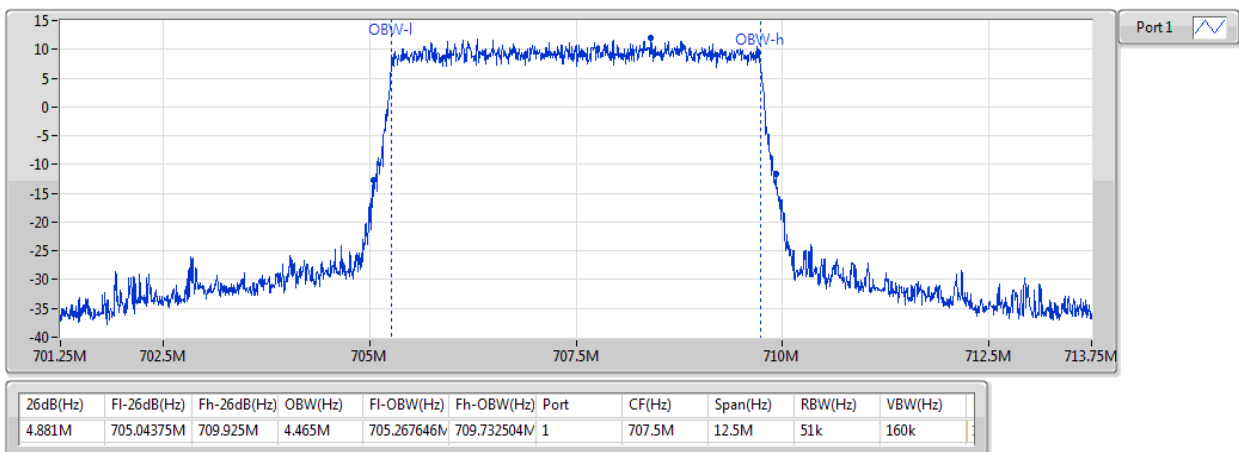
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Band 12_LTE_5MHz_Nss1,QPSK_1TX

EBW

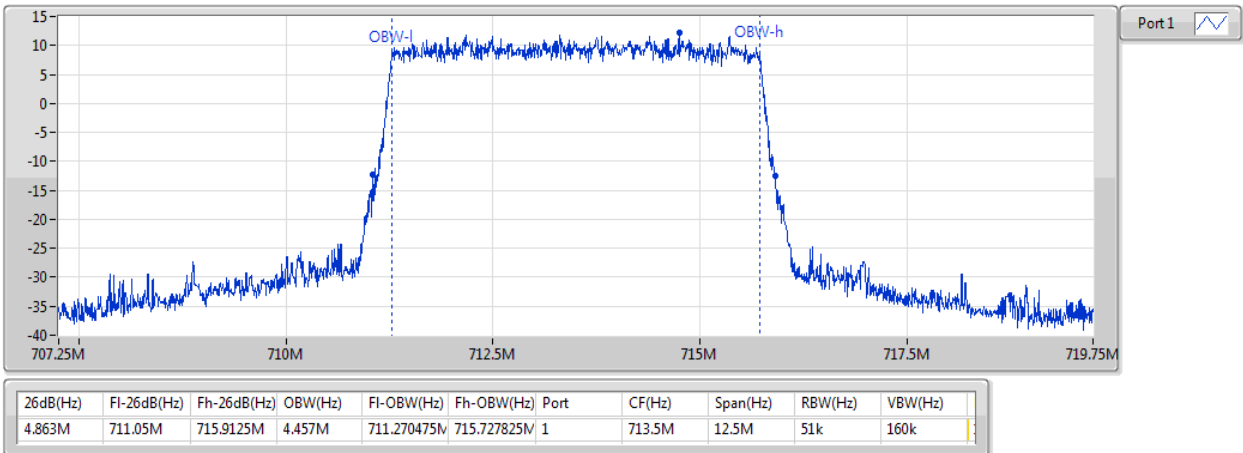
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Band 12_LTE_5MHz_Nss1,QPSK_1TX

EBW

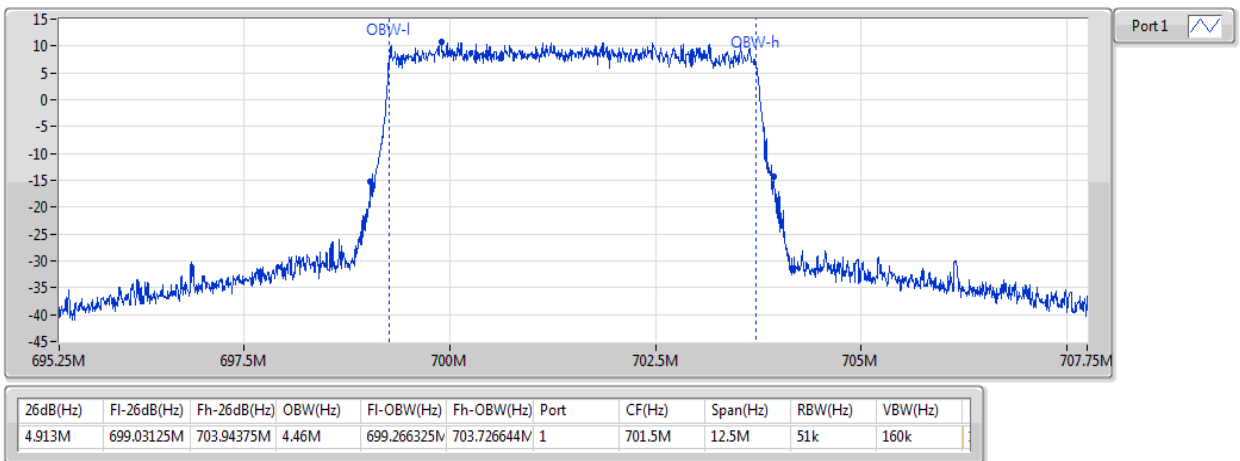
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Band 12_LTE_5MHz_Nss1,16QAM_1TX

EBW

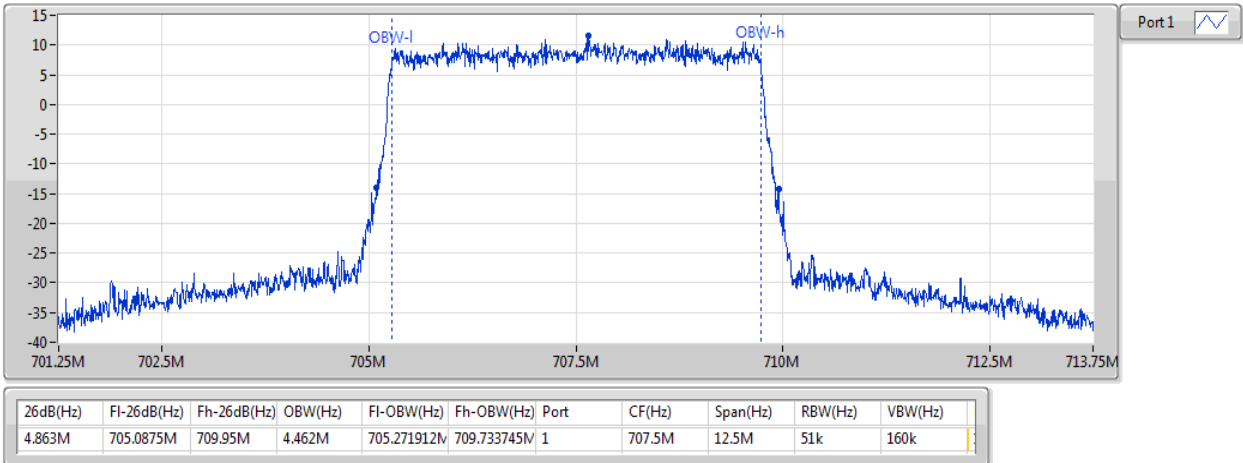
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Band 12_LTE_5MHz_Nss1,16QAM_1TX

EBW

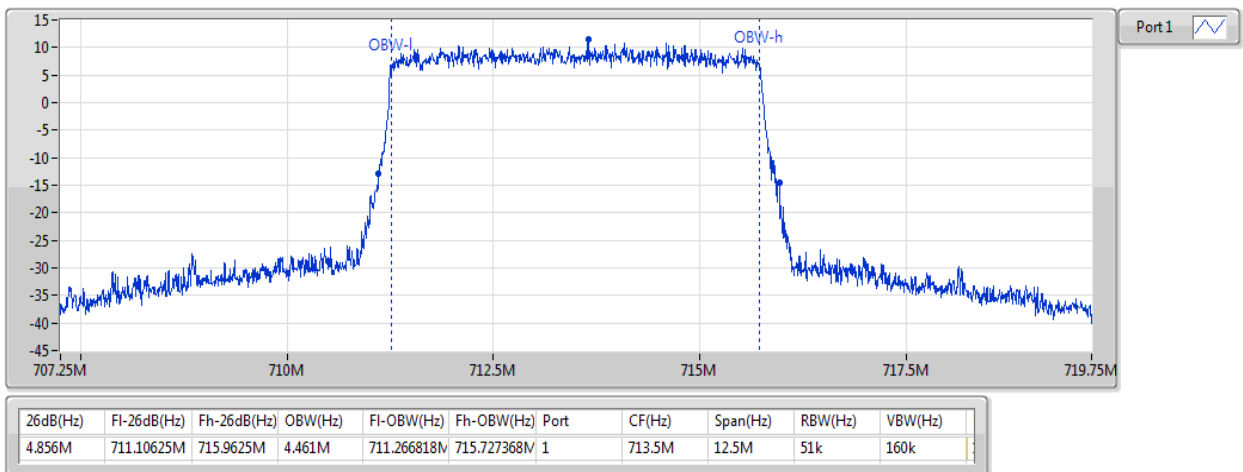
707.5MHz_16QAM_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,16QAM_1TX

EBW

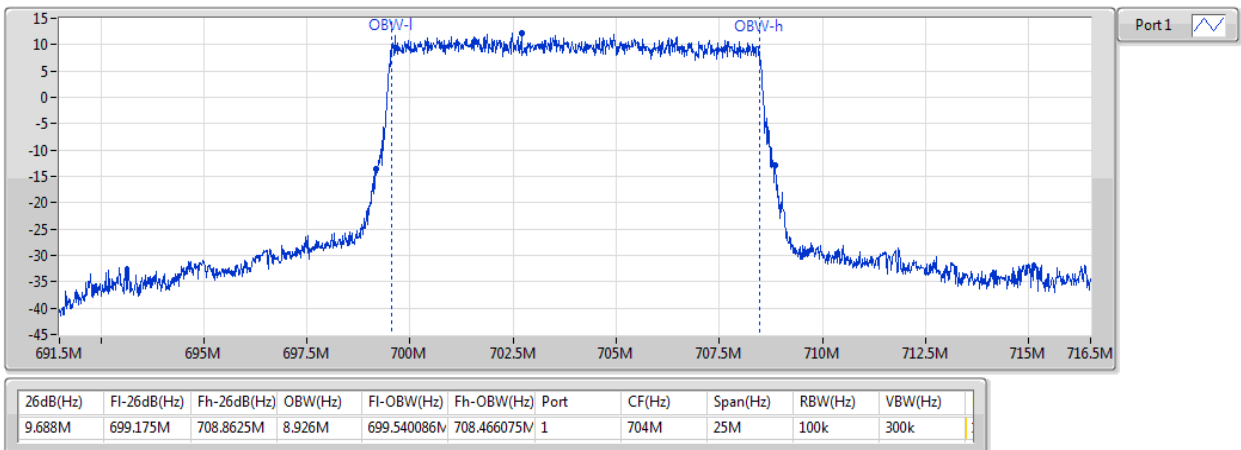
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Band 12_LTE_10MHz_Nss1,QPSK_1TX

EBW

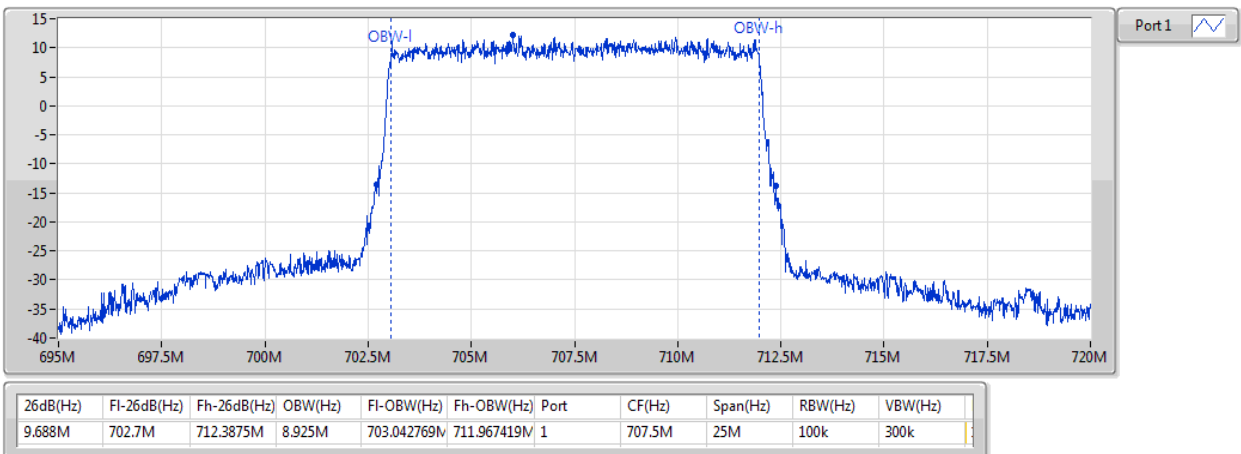
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Band 12_LTE_10MHz_Nss1,QPSK_1TX

EBW

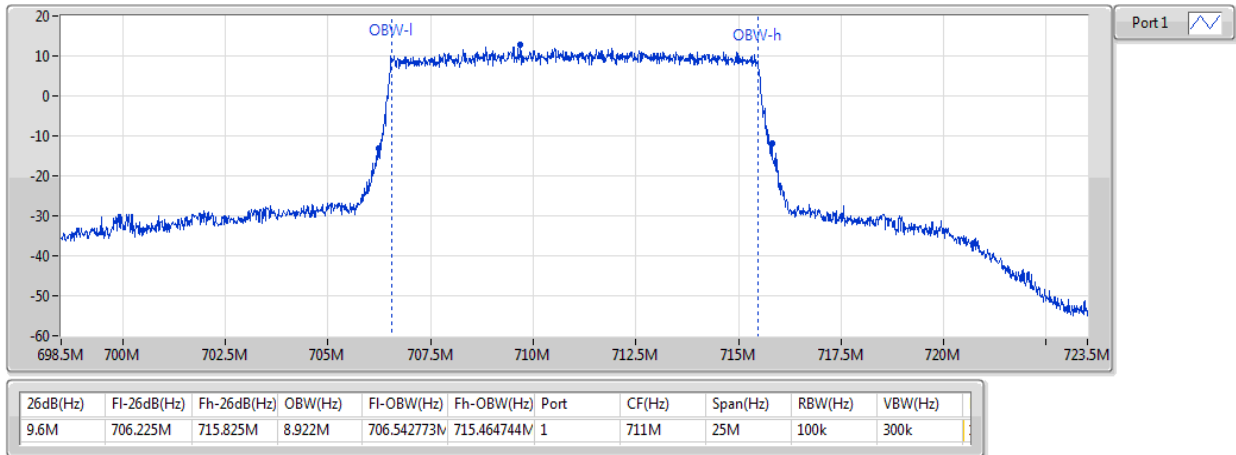
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Band 12_LTE_10MHz_Nss1,QPSK_1TX

EBW

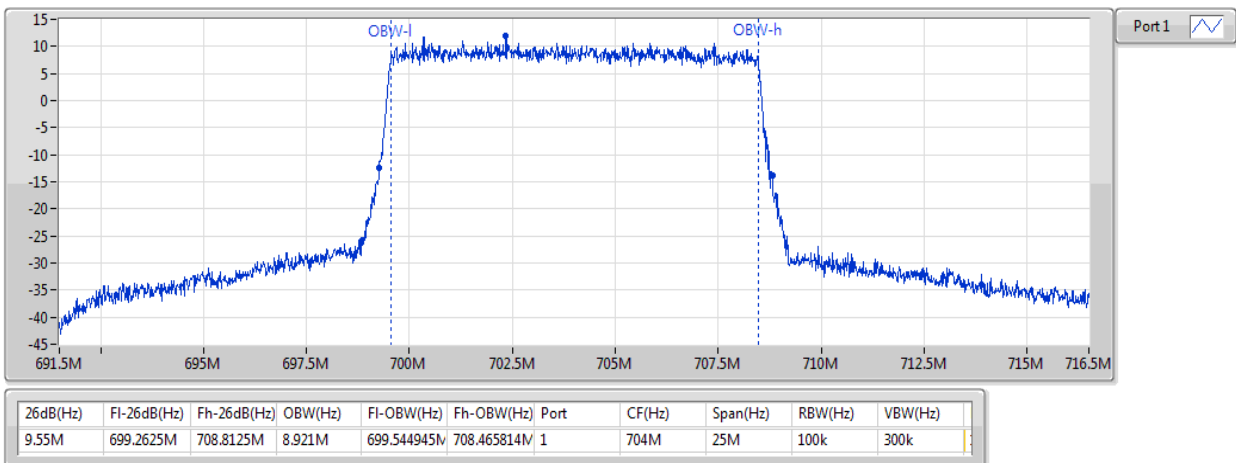
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Band 12_LTE_10MHz_Nss1,16QAM_1TX

EBW

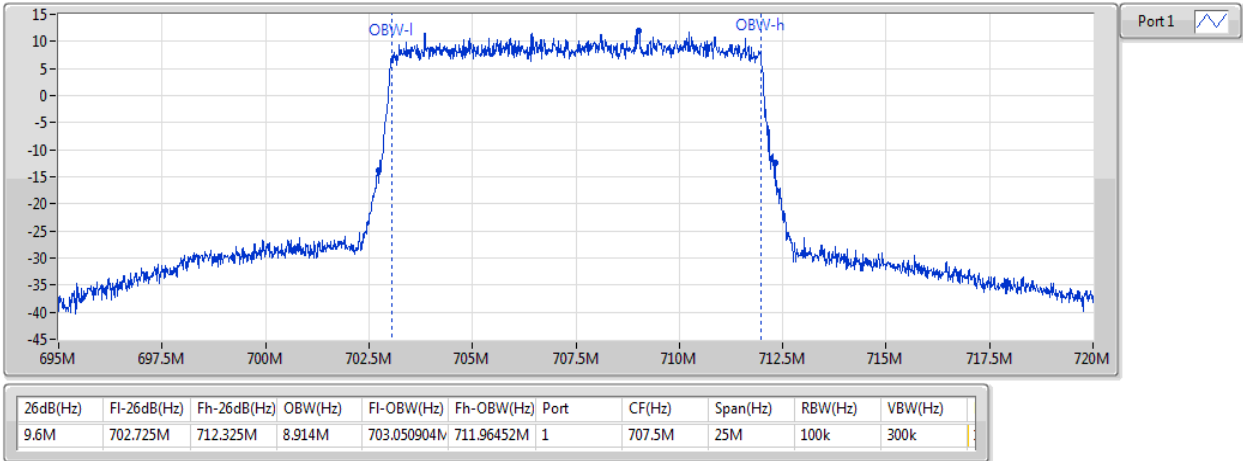
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Band 12_LTE_10MHz_Nss1,16QAM_1TX

EBW

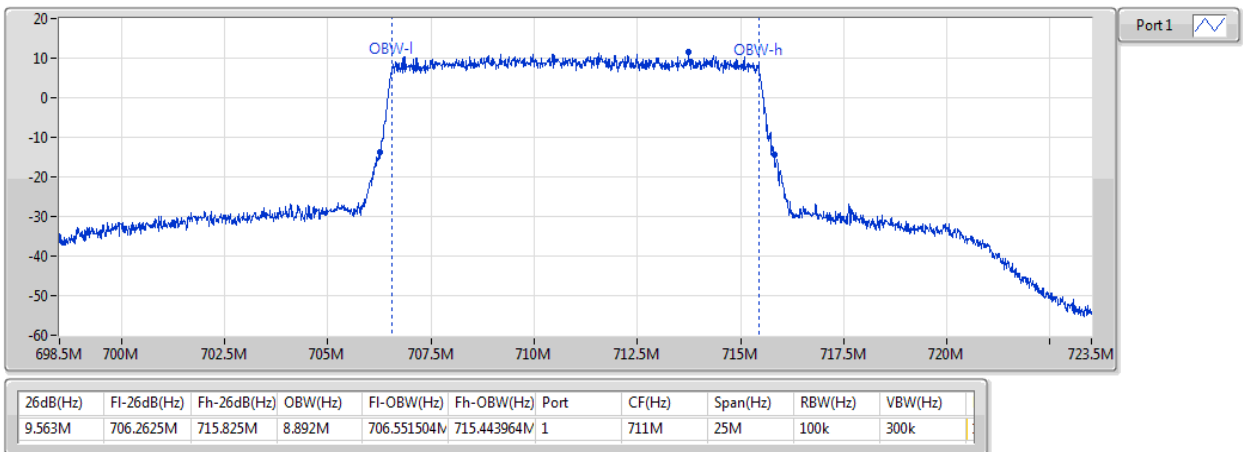
707.5MHz_16QAM_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,16QAM_1TX

EBW

711MHz_16QAM_RB 50,#RB 0



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 17	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	4.906M	4.46M	4M46G7D	4.863M	4.456M
LTE_5MHz_Nss1,16QAM_1TX	4.906M	4.459M	4M46W7D	4.844M	4.456M
LTE_10MHz_Nss1,QPSK_1TX	9.663M	8.92M	8M92G7D	9.638M	8.905M
LTE_10MHz_Nss1,16QAM_1TX	9.613M	8.906M	8M91W7D	9.6M	8.895M

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

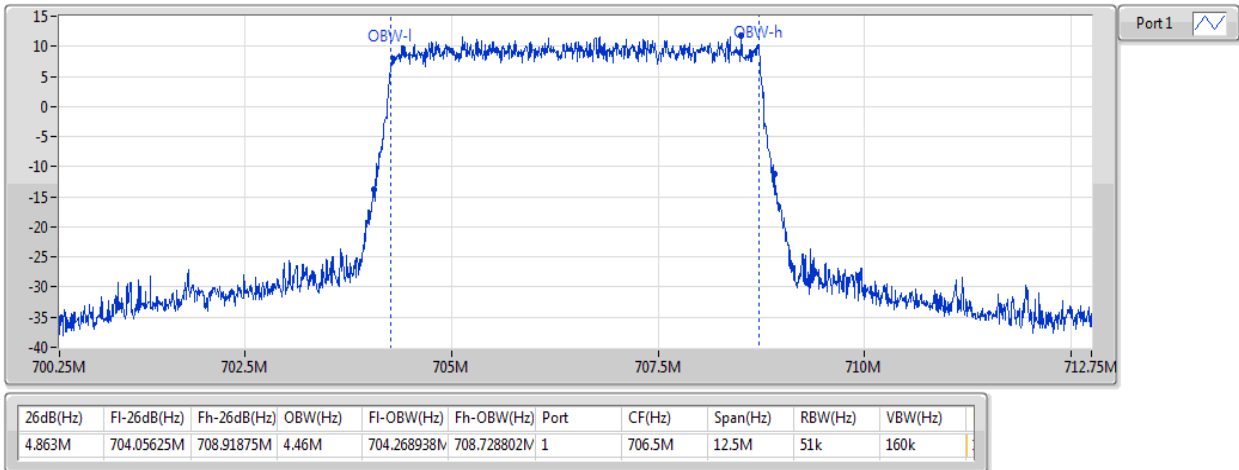
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)
Band 17_LTE_5MHz_Nss1_1TX	-	-	-	-
706.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.863M	4.46M
710MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.888M	4.456M
713.5MHz_QPSK_RB 25,#RB 0	Pass	Inf	4.906M	4.457M
706.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.906M	4.456M
710MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.844M	4.459M
713.5MHz_16QAM_RB 25,#RB 0	Pass	Inf	4.85M	4.459M
Band 17_LTE_10MHz_Nss1_1TX	-	-	-	-
709MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.663M	8.92M
710MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.638M	8.911M
711MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.638M	8.905M
709MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.613M	8.906M
710MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.6M	8.895M
711MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.613M	8.901M

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

Band 17_LTE_5MHz_Nss1,QPSK_1TX

EBW

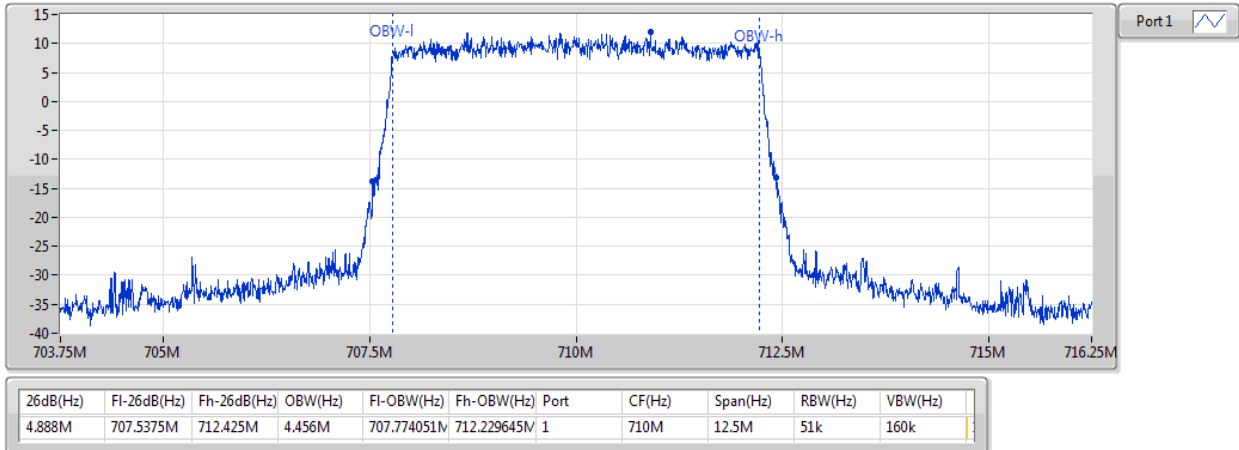
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Band 17_LTE_5MHz_Nss1,QPSK_1TX

EBW

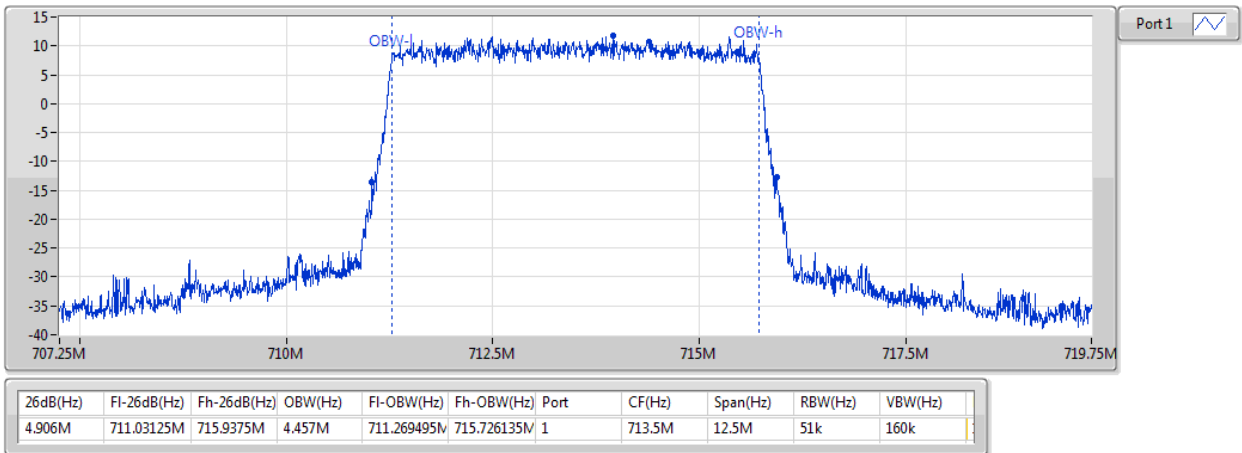
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Band 17_LTE_5MHz_Nss1,QPSK_1TX

EBW

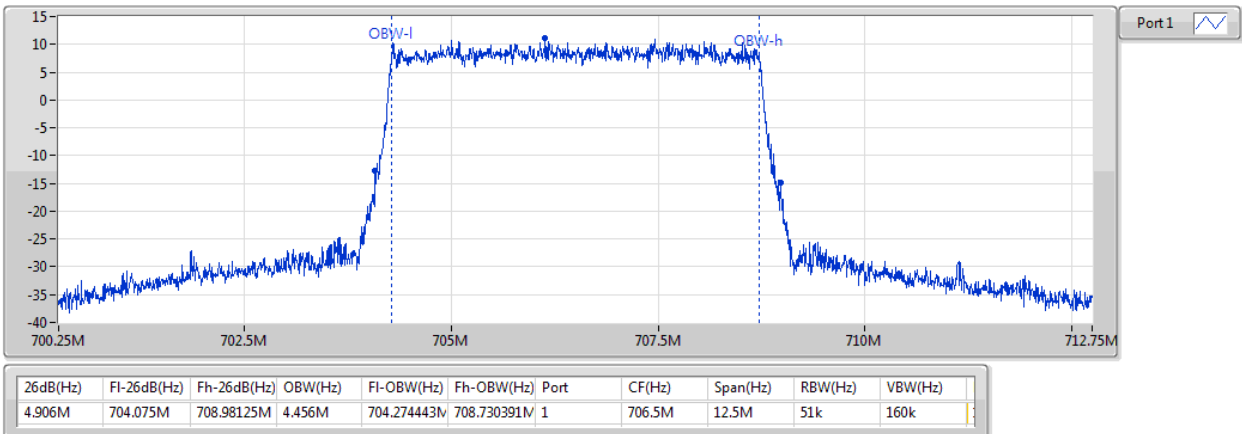
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Band 17_LTE_5MHz_Nss1,16QAM_1TX

EBW

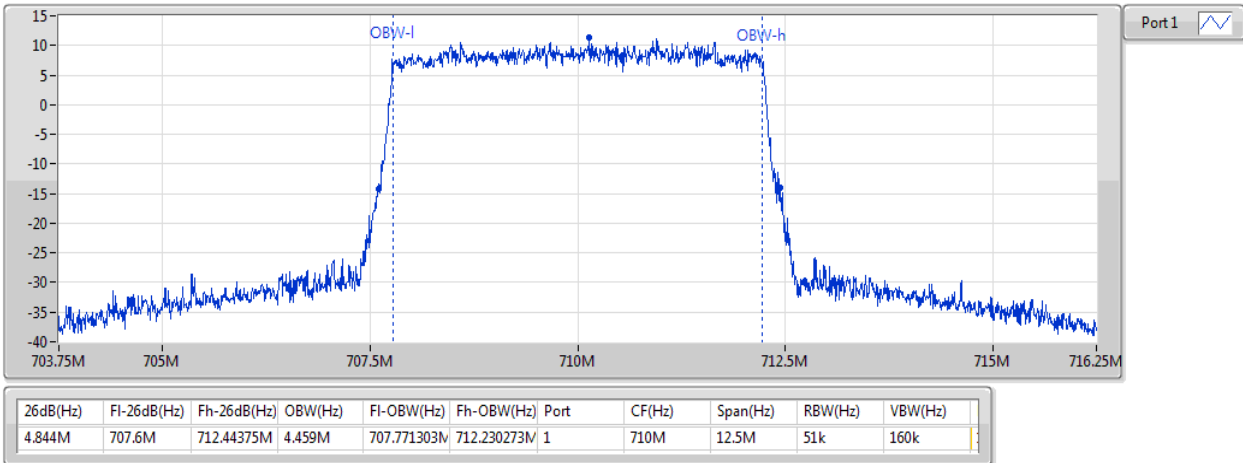
706.5MHz_16QAM_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,16QAM_1TX

EBW

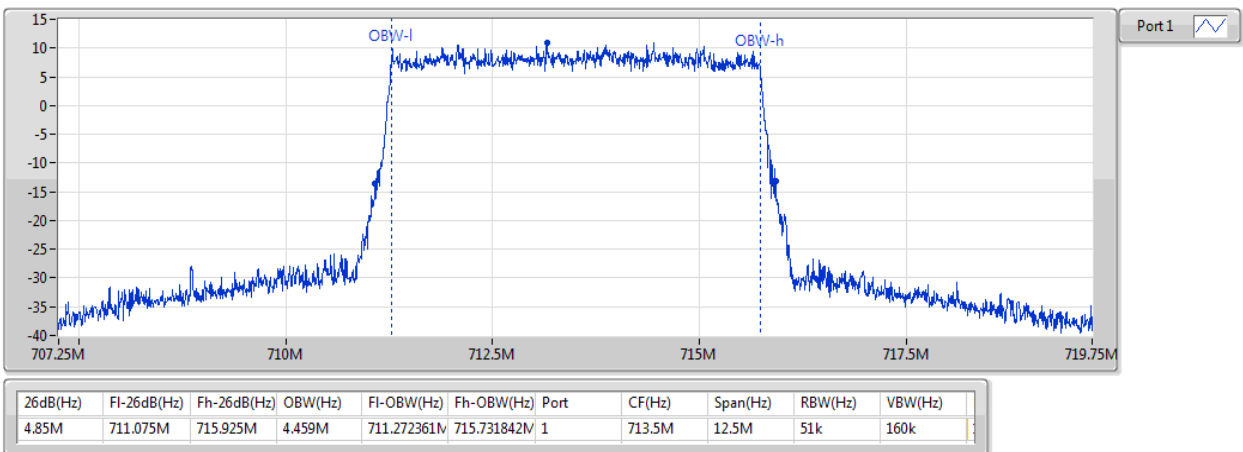
710MHz_16QAM_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,16QAM_1TX

EBW

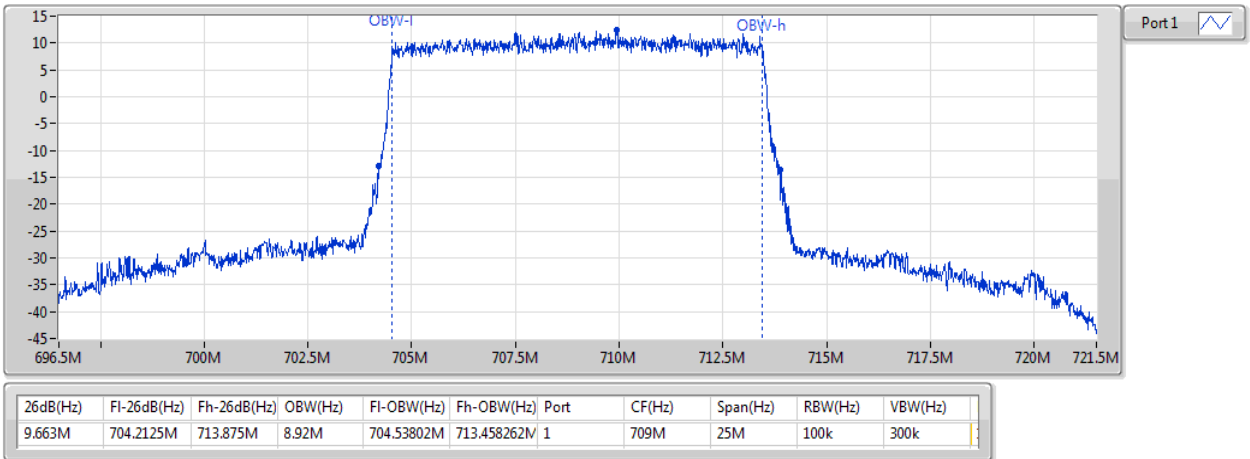
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Band 17_LTE_10MHz_Nss1,QPSK_1TX

EBW

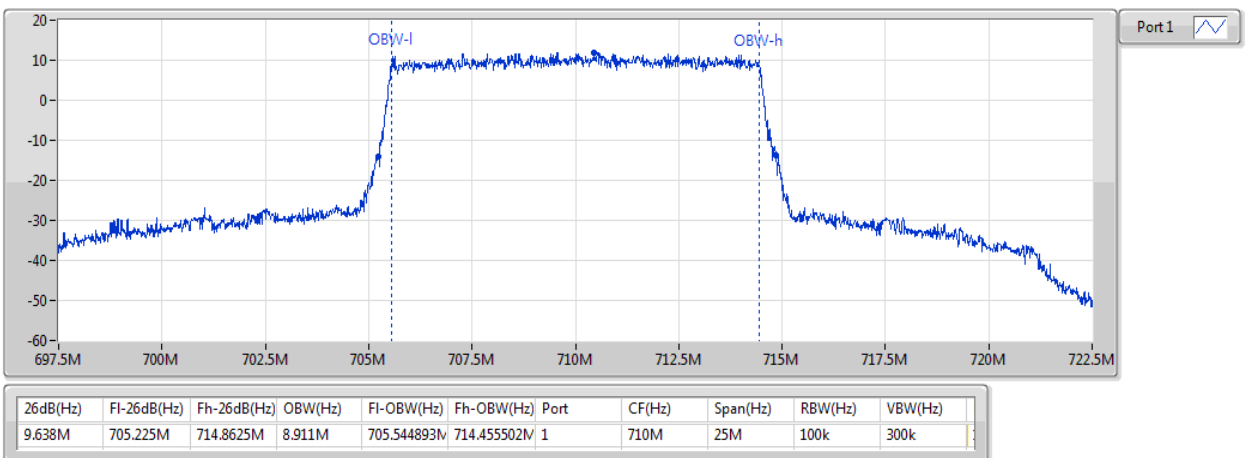
709MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,QPSK_1TX

EBW

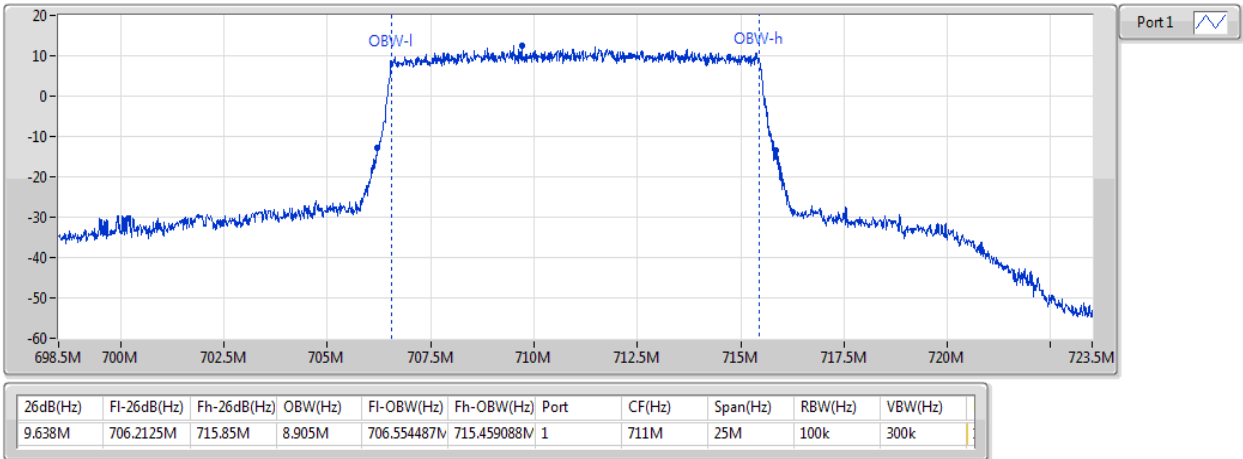
710MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,QPSK_1TX

EBW

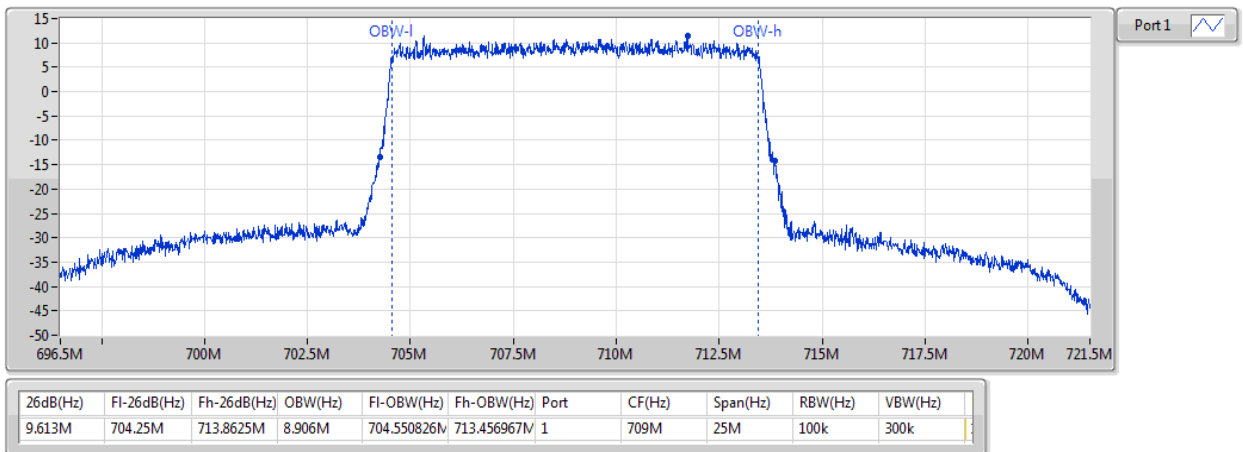
711MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

EBW

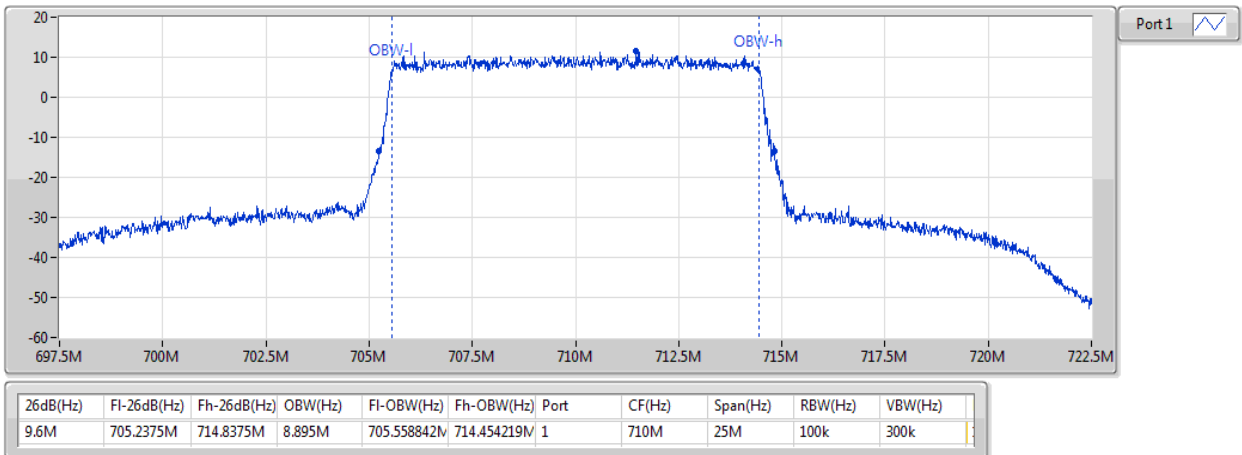
709MHz_16QAM_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

EBW

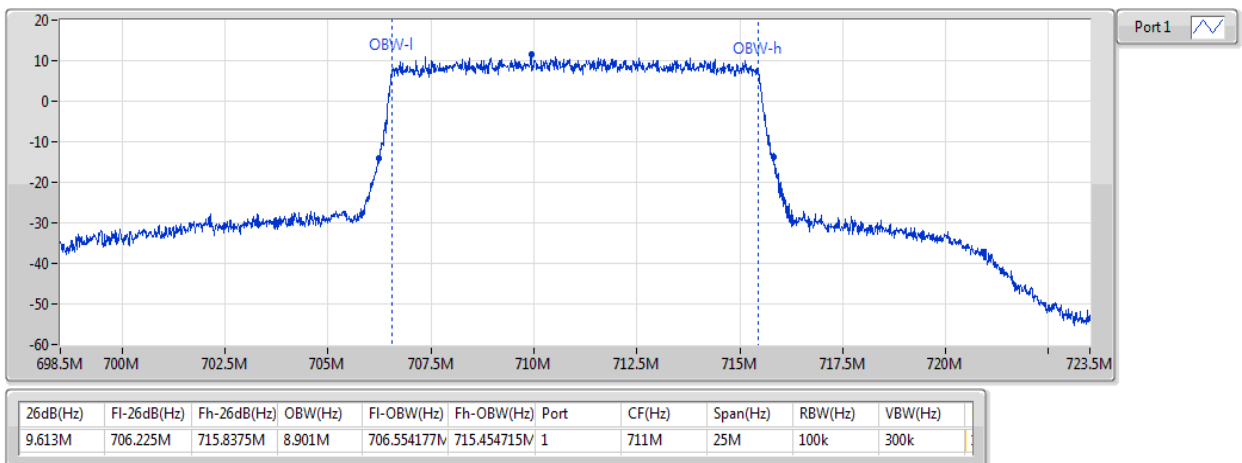
710MHz_16QAM_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

EBW

711MHz_16QAM_RB 50,#RB 0



3.5 Peak to Average Ratio

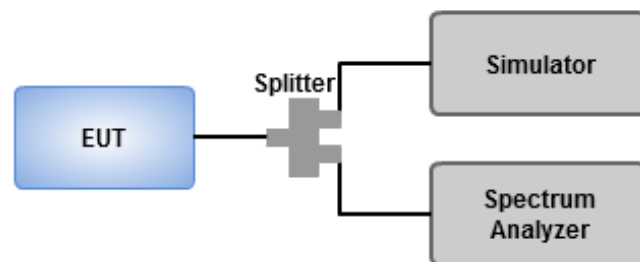
3.5.1 Limit of Peak to Average Ratio

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

3.5.2 Test Procedures

1. Set the number of counts to a value that stabilizes the measured CCDF curve.
2. Set the measurement interval to 1 ms.
3. 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 12	-	-	-	-	-
LTE_1.4MHz_Nss1,QPSK_1TX	Pass	707.5	13.00	5.26	1
LTE_1.4MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	6.12	1
LTE_3MHz_Nss1,QPSK_1TX	Pass	707.5	13.00	5.36	1
LTE_3MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	6.25	1
LTE_5MHz_Nss1,QPSK_1TX	Pass	707.5	13.00	5.33	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	6.17	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	707.5	13.00	5.44	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	707.5	13.00	6.26	1

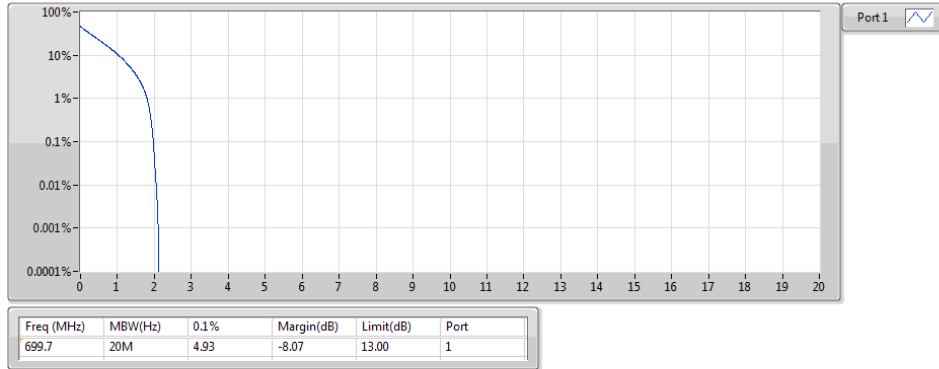
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 12_LTE_1.4MHz_Nss1_1TX	-	-	-	-	-
699.7MHz_QPSK_RB 6,#RB 0	Pass	699.7	13.00	4.93	1
707.5MHz_QPSK_RB 6,#RB 0	Pass	707.5	13.00	5.26	1
715.3MHz_QPSK_RB 6,#RB 0	Pass	715.3	13.00	5.13	1
699.7MHz_16QAM_RB 6,#RB 0	Pass	699.7	13.00	5.76	1
707.5MHz_16QAM_RB 6,#RB 0	Pass	707.5	13.00	6.12	1
715.3MHz_16QAM_RB 6,#RB 0	Pass	715.3	13.00	5.98	1
Band 12_LTE_3MHz_Nss1_1TX	-	-	-	-	-
700.5MHz_QPSK_RB 15,#RB 0	Pass	700.5	13.00	5.02	1
707.5MHz_QPSK_RB 15,#RB 0	Pass	707.5	13.00	5.36	1
714.5MHz_QPSK_RB 15,#RB 0	Pass	714.5	13.00	5.27	1
700.5MHz_16QAM_RB 15,#RB 0	Pass	700.5	13.00	5.90	1
707.5MHz_16QAM_RB 15,#RB 0	Pass	707.5	13.00	6.25	1
714.5MHz_16QAM_RB 15,#RB 0	Pass	714.5	13.00	6.11	1
Band 12_LTE_5MHz_Nss1_1TX	-	-	-	-	-
701.5MHz_QPSK_RB 25,#RB 0	Pass	701.5	13.00	5.10	1
707.5MHz_QPSK_RB 25,#RB 0	Pass	707.5	13.00	5.33	1
713.5MHz_QPSK_RB 25,#RB 0	Pass	713.5	13.00	5.25	1
701.5MHz_16QAM_RB 25,#RB 0	Pass	701.5	13.00	5.92	1
707.5MHz_16QAM_RB 25,#RB 0	Pass	707.5	13.00	6.17	1
713.5MHz_16QAM_RB 25,#RB 0	Pass	713.5	13.00	6.10	1
Band 12_LTE_10MHz_Nss1_1TX	-	-	-	-	-
704MHz_QPSK_RB 50,#RB 0	Pass	704	13.00	5.36	1
707.5MHz_QPSK_RB 50,#RB 0	Pass	707.5	13.00	5.44	1
711MHz_QPSK_RB 50,#RB 0	Pass	711	13.00	5.37	1
704MHz_16QAM_RB 50,#RB 0	Pass	704	13.00	6.18	1
707.5MHz_16QAM_RB 50,#RB 0	Pass	707.5	13.00	6.26	1
711MHz_16QAM_RB 50,#RB 0	Pass	711	13.00	6.16	1

Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

PAR

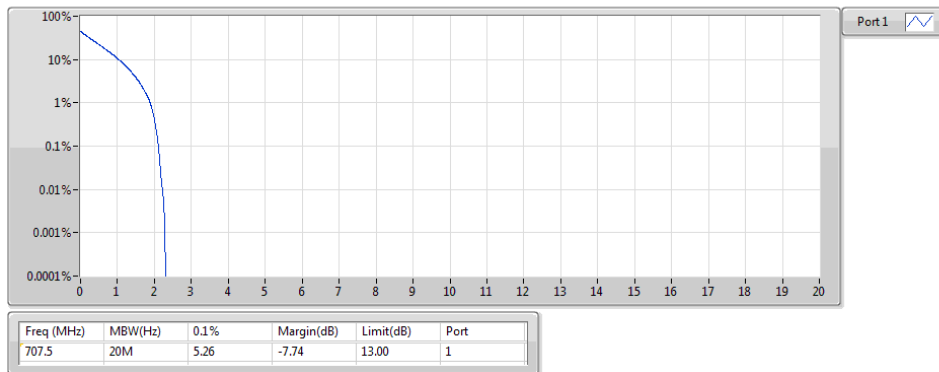
699.7MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

PAR

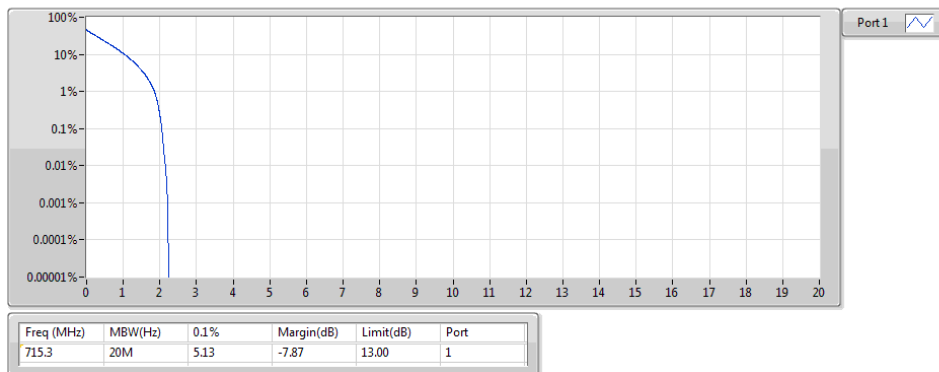
707.5MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,QPSK_1TX

PAR

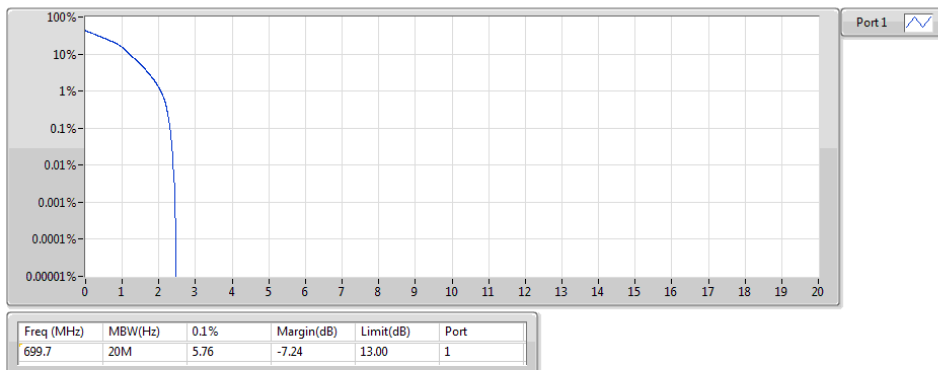
715.3MHz_QPSK_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

PAR

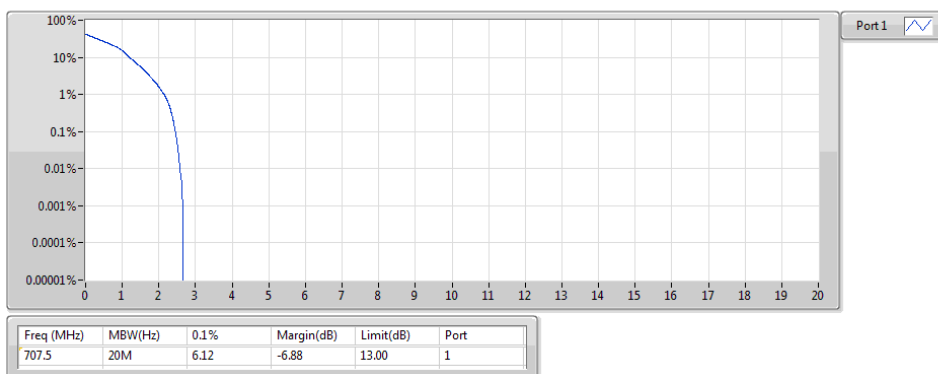
699.7MHz_16QAM_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

PAR

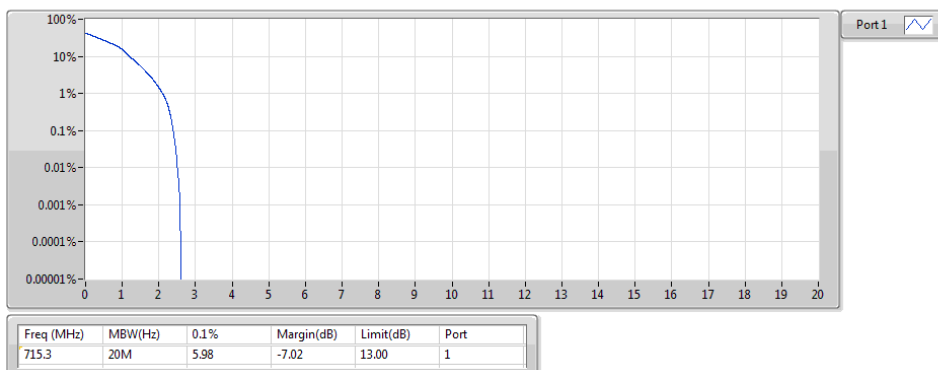
707.5MHz_16QAM_RB 6,#RB 0



Band 12_LTE_1.4MHz_Nss1,16QAM_1TX

PAR

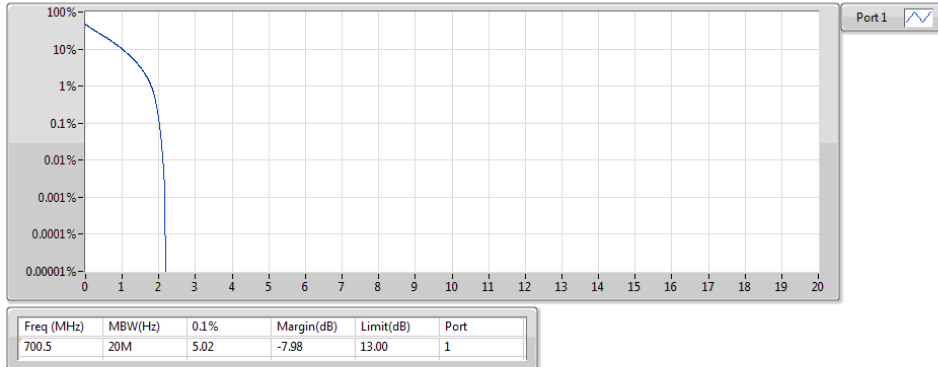
715.3MHz_16QAM_RB 6,#RB 0



Band 12_LTE_3MHz_Nss1,QPSK_1TX

PAR

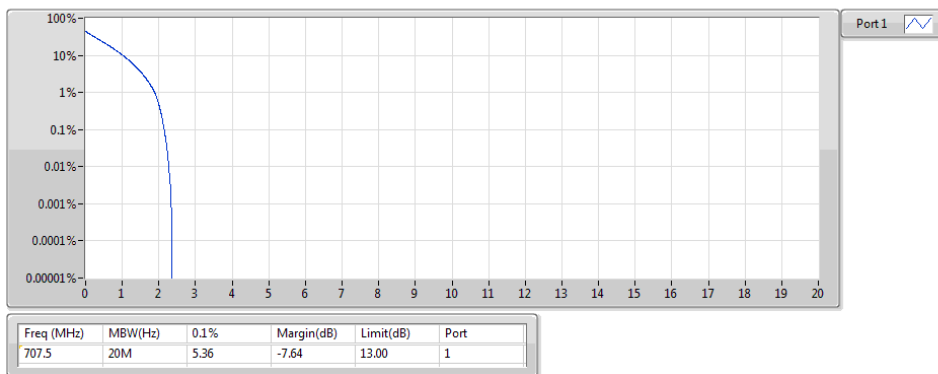
700.5MHz_QPSK_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,QPSK_1TX

PAR

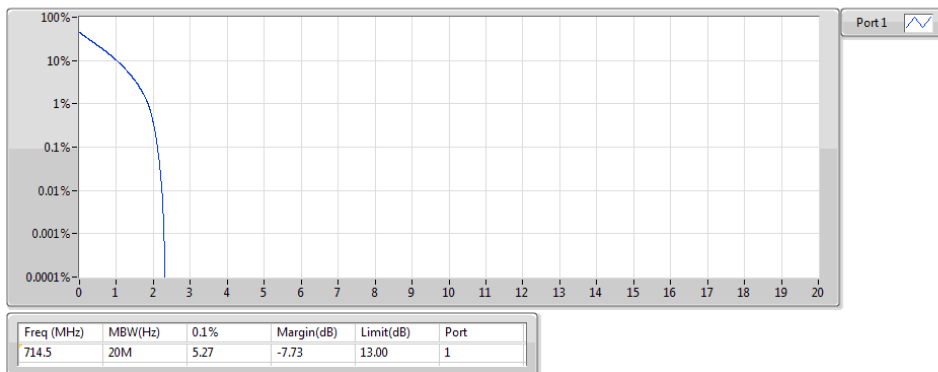
707.5MHz_QPSK_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,QPSK_1TX

PAR

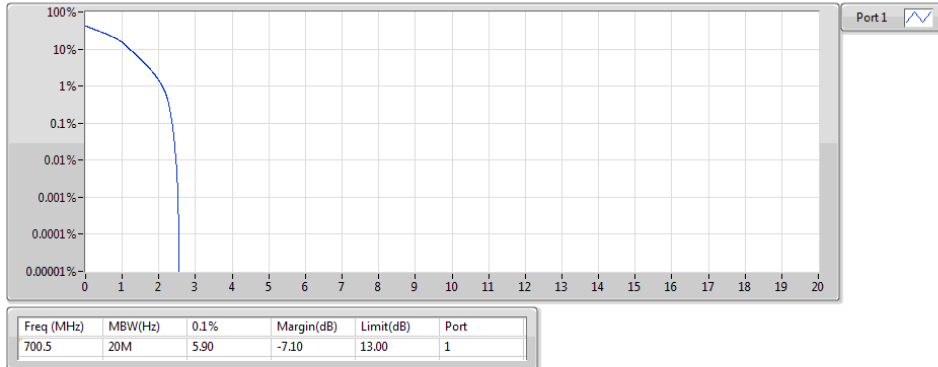
714.5MHz_QPSK_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

PAR

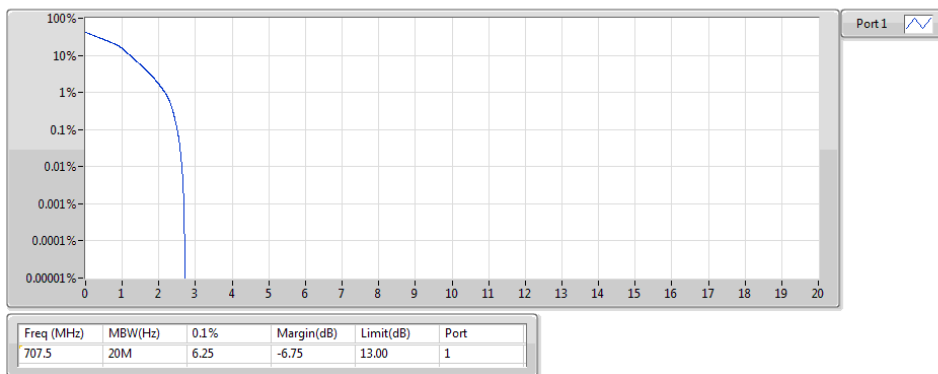
700.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

PAR

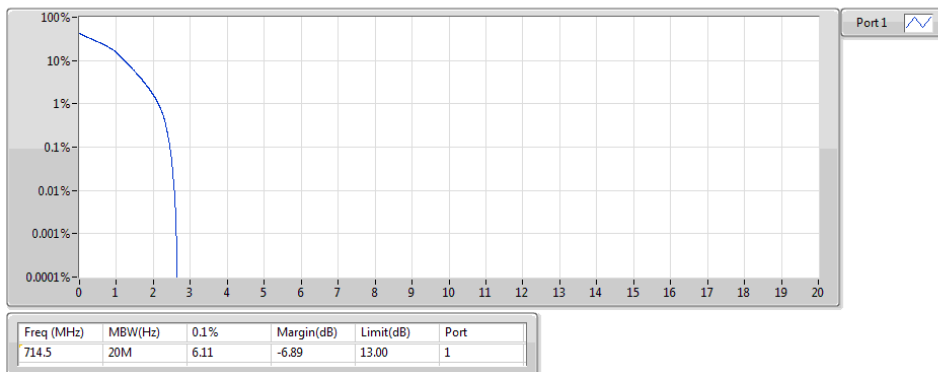
707.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_3MHz_Nss1,16QAM_1TX

PAR

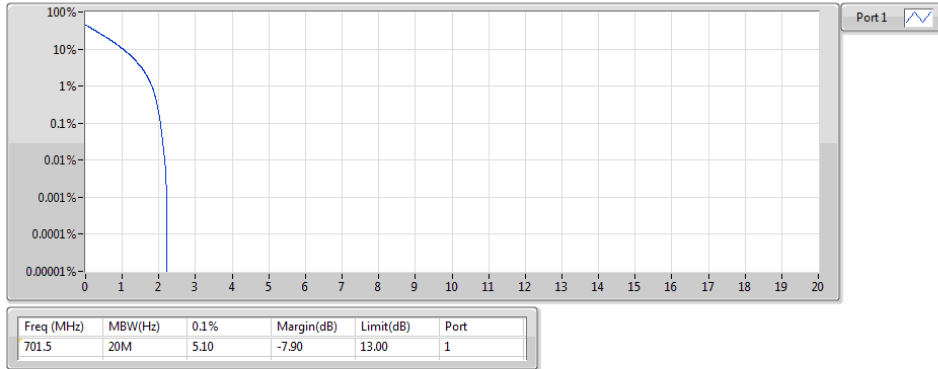
714.5MHz_16QAM_RB 15,#RB 0



Band 12_LTE_5MHz_Nss1,QPSK_1TX

PAR

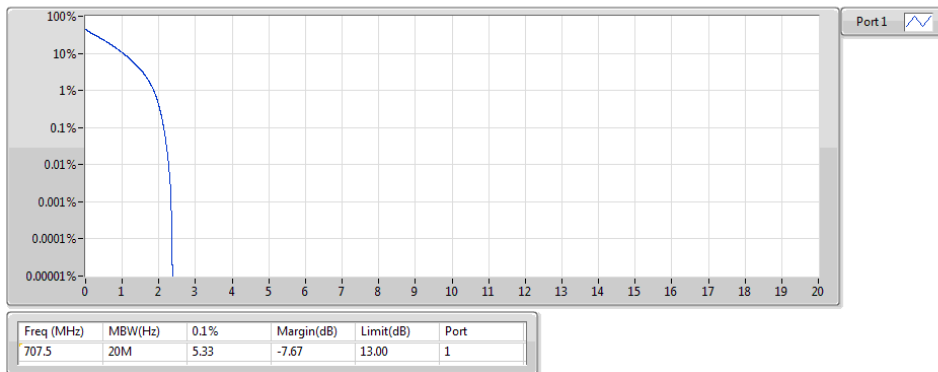
701.5MHz_QPSK_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,QPSK_1TX

PAR

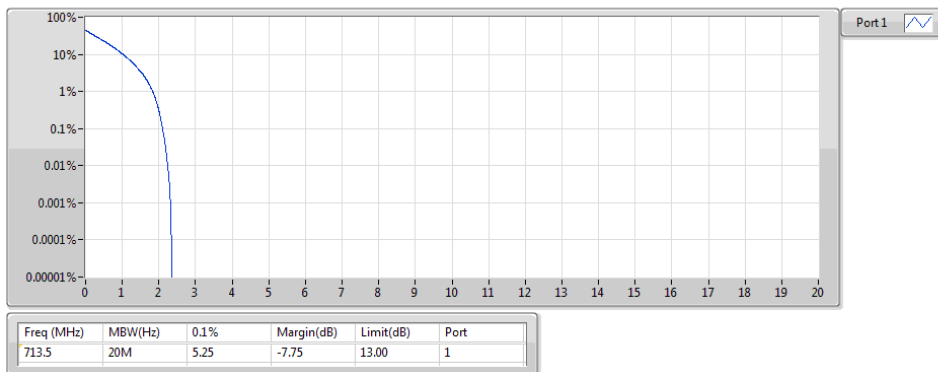
707.5MHz_QPSK_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,QPSK_1TX

PAR

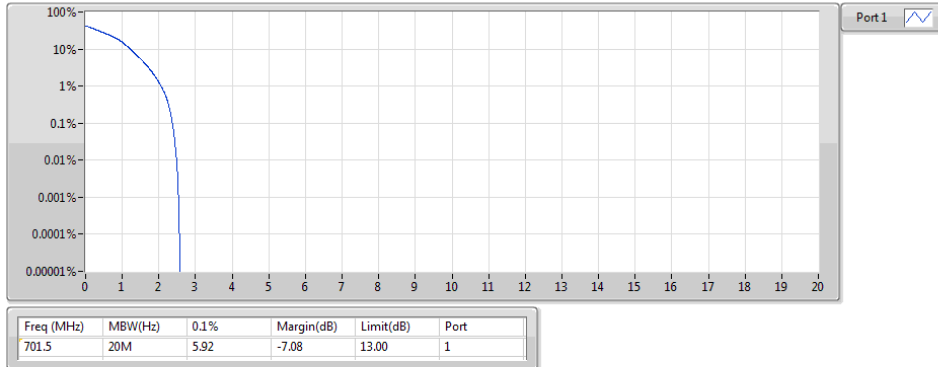
713.5MHz_QPSK_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,16QAM_1TX

PAR

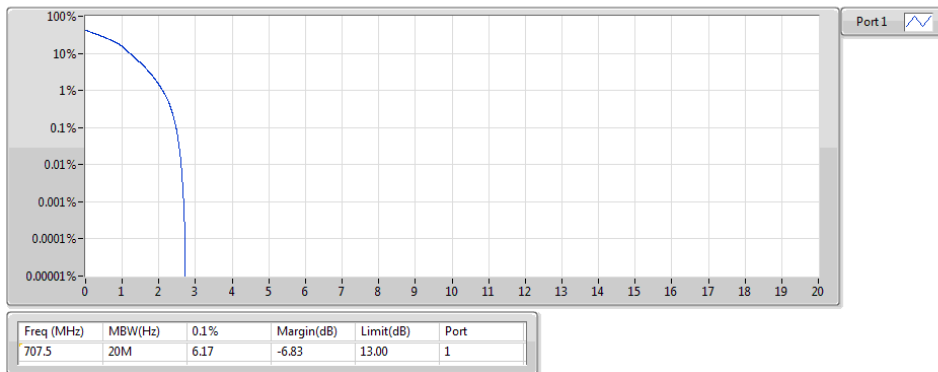
701.5MHz_16QAM_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,16QAM_1TX

PAR

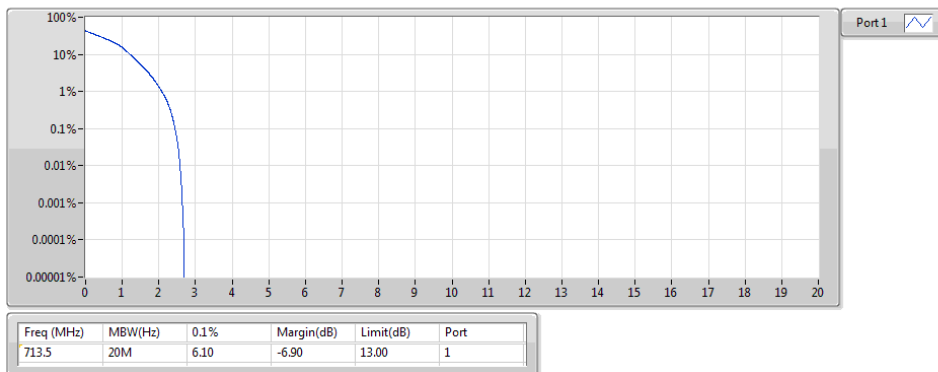
707.5MHz_16QAM_RB 25,#RB 0



Band 12_LTE_5MHz_Nss1,16QAM_1TX

PAR

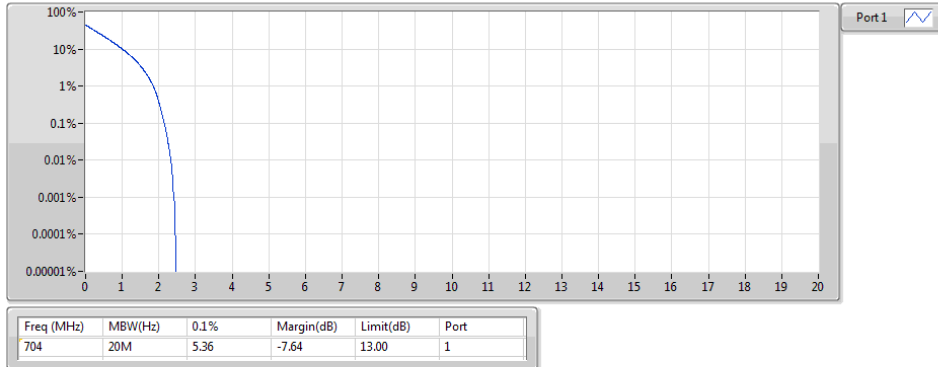
713.5MHz_16QAM_RB 25,#RB 0



Band 12_LTE_10MHz_Nss1,QPSK_1TX

PAR

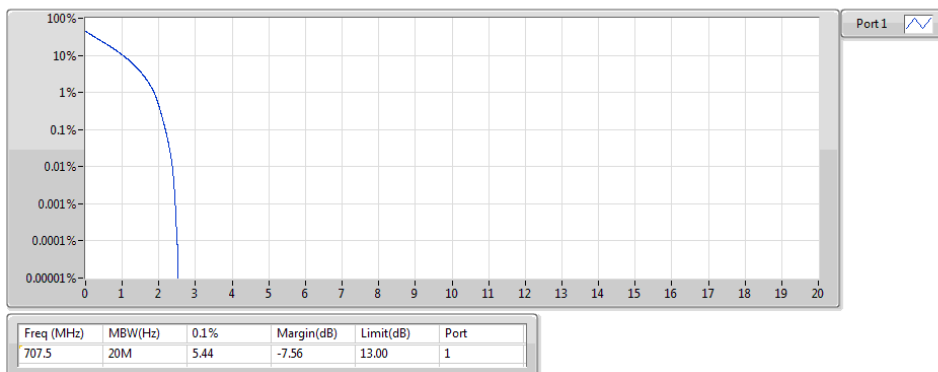
704MHz_QPSK_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,QPSK_1TX

PAR

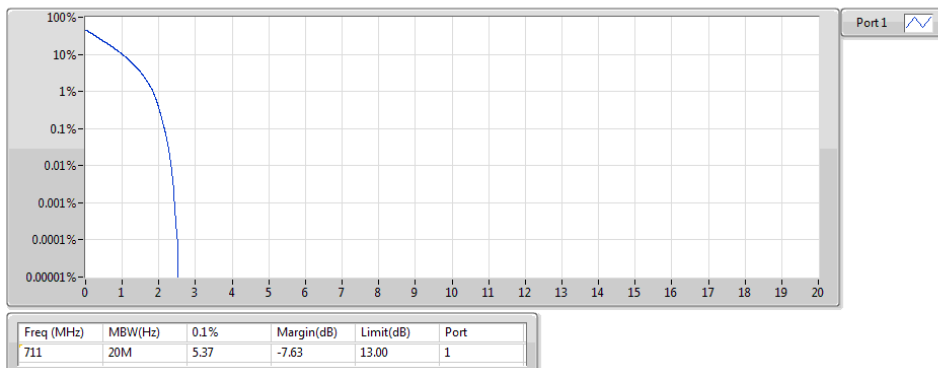
707.5MHz_QPSK_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,QPSK_1TX

PAR

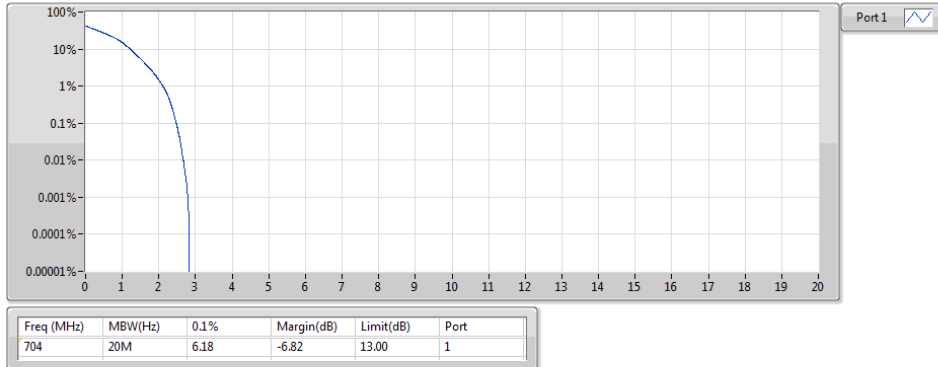
711MHz_QPSK_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,16QAM_1TX

PAR

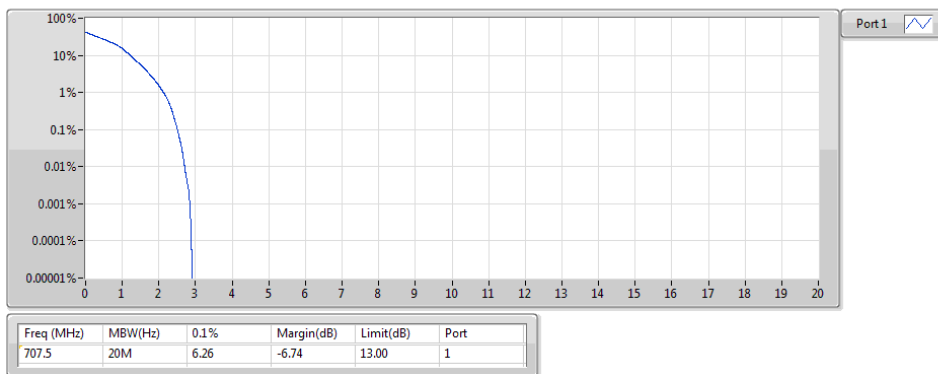
704MHz_16QAM_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,16QAM_1TX

PAR

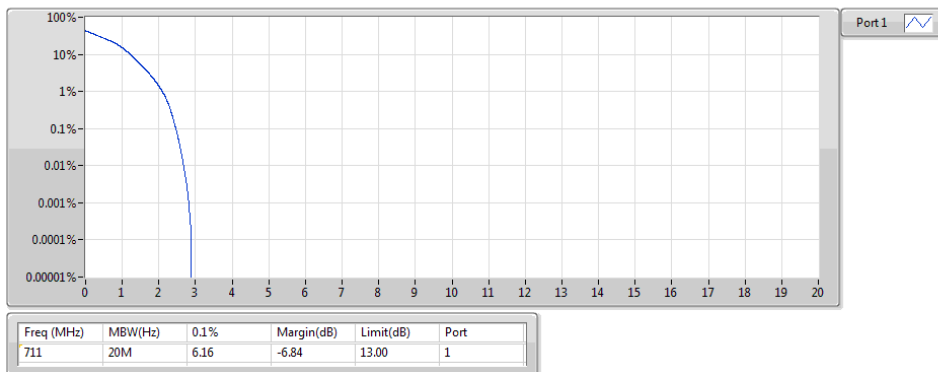
707.5MHz_16QAM_RB 50,#RB 0



Band 12_LTE_10MHz_Nss1,16QAM_1TX

PAR

711MHz_16QAM_RB 50,#RB 0



Summary

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 17	-	-	-	-	-
LTE_5MHz_Nss1,QPSK_1TX	Pass	706.5	13.00	5.34	1
LTE_5MHz_Nss1,16QAM_1TX	Pass	706.5	13.00	6.16	1
LTE_10MHz_Nss1,QPSK_1TX	Pass	709	13.00	5.42	1
LTE_10MHz_Nss1,16QAM_1TX	Pass	709	13.00	6.21	1

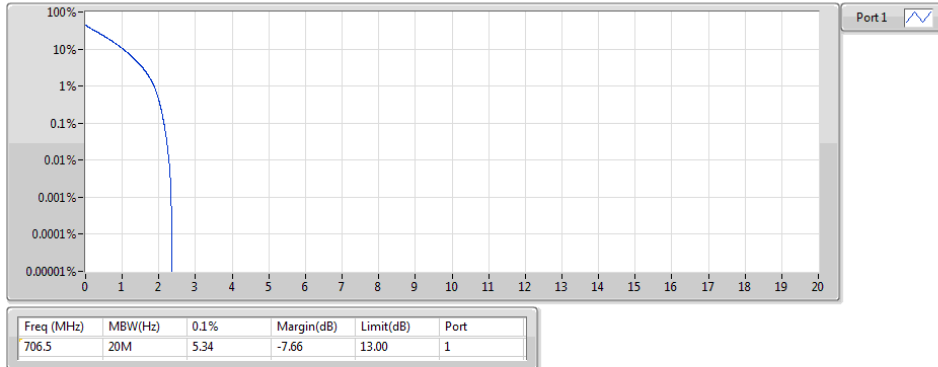
Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 17_LTE_5MHz_Nss1_1TX	-	-	-	-	-
706.5MHz_QPSK_RB 25,#RB 0	Pass	706.5	13.00	5.34	1
710MHz_QPSK_RB 25,#RB 0	Pass	710	13.00	5.25	1
713.5MHz_QPSK_RB 25,#RB 0	Pass	713.5	13.00	5.23	1
706.5MHz_16QAM_RB 25,#RB 0	Pass	706.5	13.00	6.16	1
710MHz_16QAM_RB 25,#RB 0	Pass	710	13.00	6.09	1
713.5MHz_16QAM_RB 25,#RB 0	Pass	713.5	13.00	6.10	1
Band 17_LTE_10MHz_Nss1_1TX	-	-	-	-	-
709MHz_QPSK_RB 50,#RB 0	Pass	709	13.00	5.42	1
710MHz_QPSK_RB 50,#RB 0	Pass	710	13.00	5.41	1
711MHz_QPSK_RB 50,#RB 0	Pass	711	13.00	5.34	1
709MHz_16QAM_RB 50,#RB 0	Pass	709	13.00	6.21	1
710MHz_16QAM_RB 50,#RB 0	Pass	710	13.00	6.20	1
711MHz_16QAM_RB 50,#RB 0	Pass	711	13.00	6.17	1

Band 17_LTE_5MHz_Nss1,QPSK_1TX

PAR

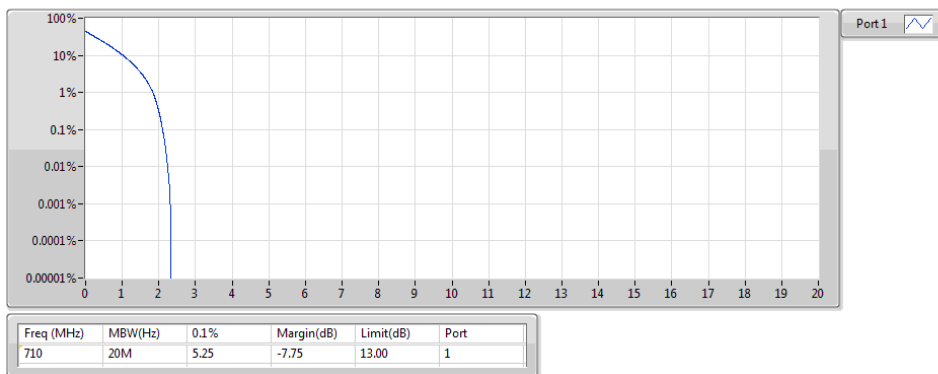
706.5MHz_QPSK_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,QPSK_1TX

PAR

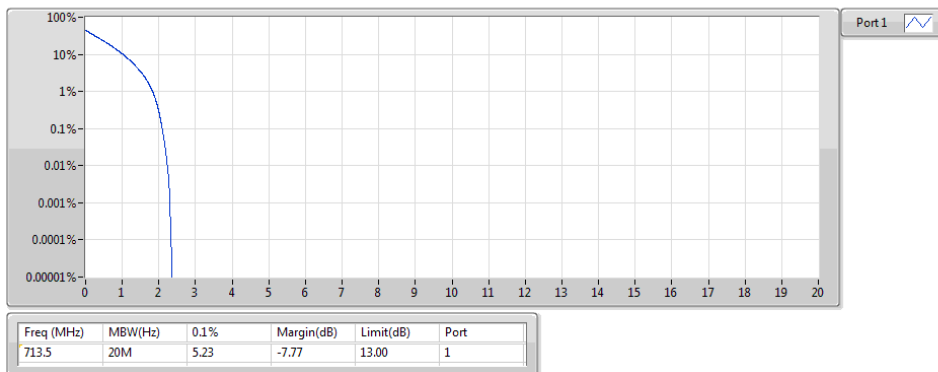
710MHz_QPSK_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,QPSK_1TX

PAR

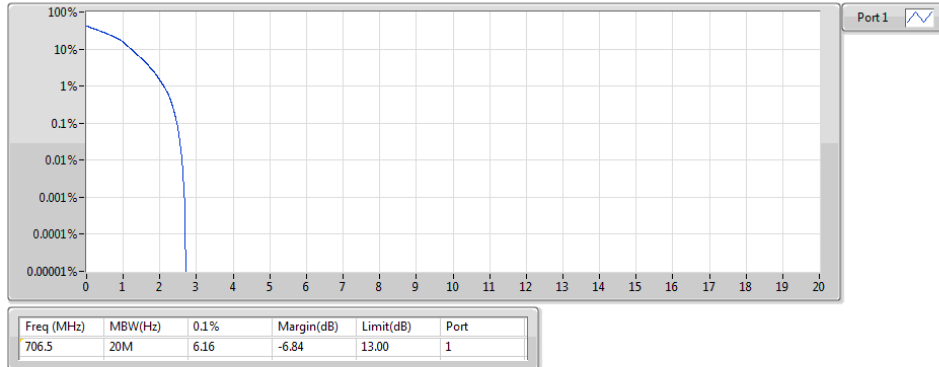
713.5MHz_QPSK_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,16QAM_1TX

PAR

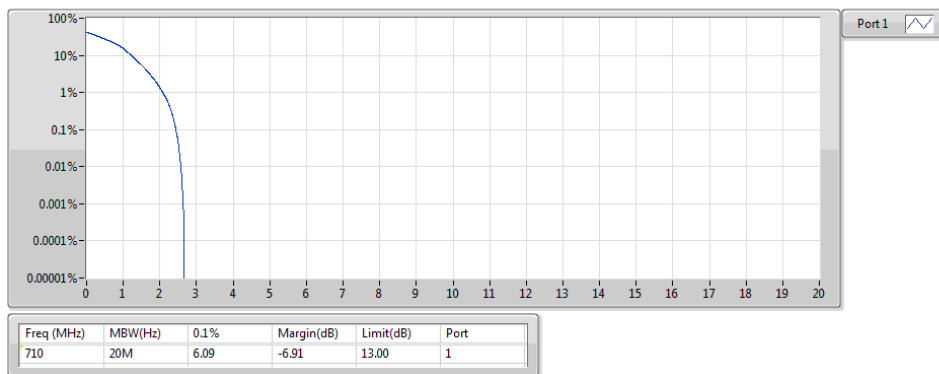
706.5MHz_16QAM_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,16QAM_1TX

PAR

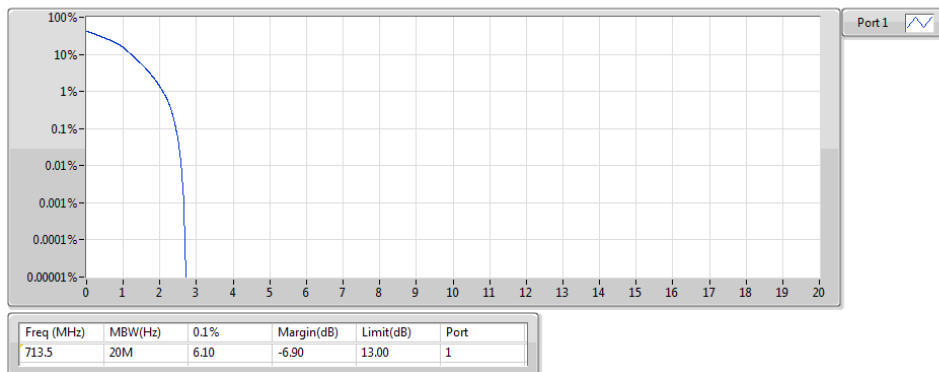
710MHz_16QAM_RB 25,#RB 0



Band 17_LTE_5MHz_Nss1,16QAM_1TX

PAR

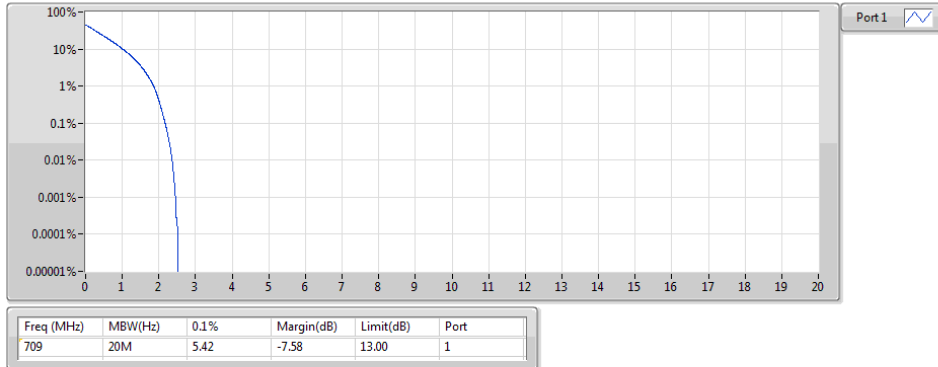
713.5MHz_16QAM_RB 25,#RB 0



Band 17_LTE_10MHz_Nss1,QPSK_1TX

PAR

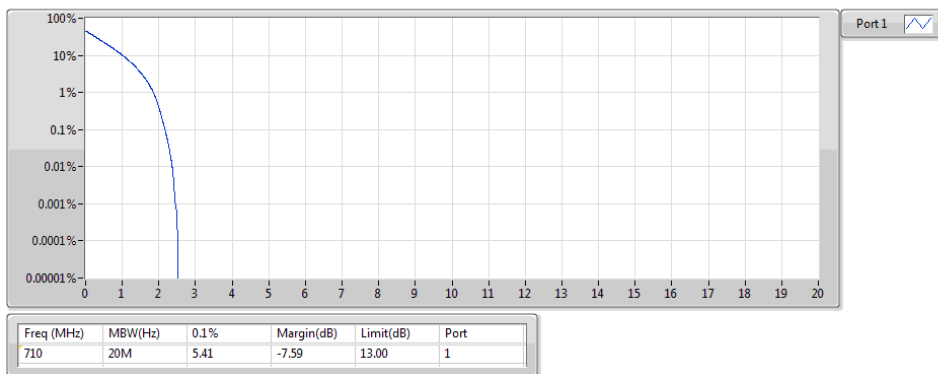
709MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,QPSK_1TX

PAR

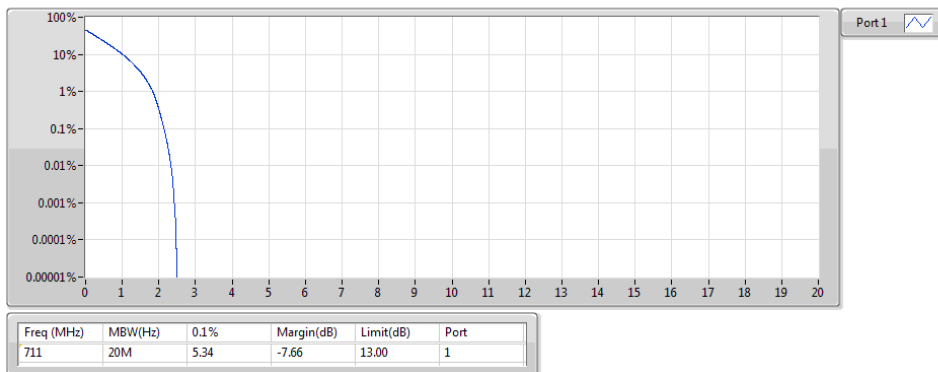
710MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,QPSK_1TX

PAR

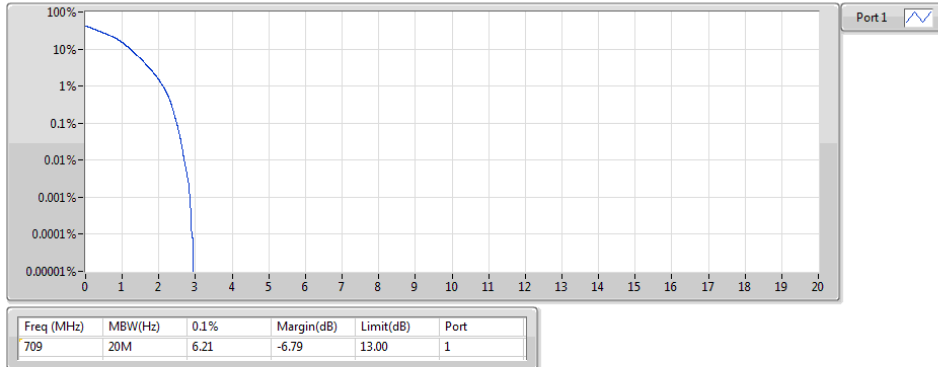
711MHz_QPSK_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

PAR

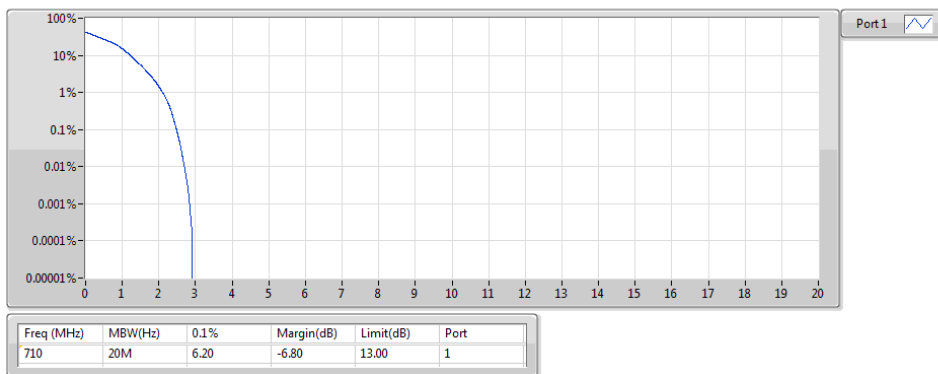
709MHz_16QAM_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

PAR

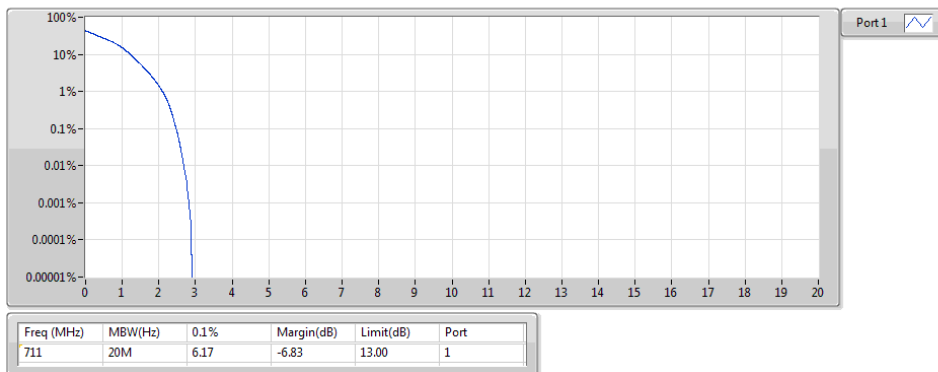
710MHz_16QAM_RB 50,#RB 0



Band 17_LTE_10MHz_Nss1,16QAM_1TX

PAR

711MHz_16QAM_RB 50,#RB 0



3.6 Frequency Stability

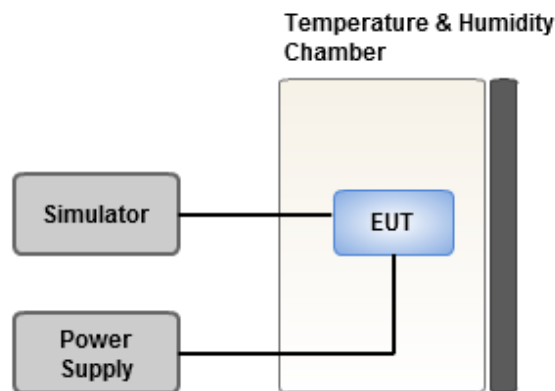
3.6.1 Limit of Frequency Stability

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

3.6.2 Test Procedures

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

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

LTE Band 12, CB: 1.4MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.001
20	3.51	0.002
55	3.9	0.001
50	3.9	0.001
40	3.9	0.002
30	3.9	0.001
20	3.9	0.002
10	3.9	0.002
0	3.9	0.002
-10	3.9	0.001
-20	3.9	0.001
-30	3.9	-0.001

LTE Band 12, CB: 3MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.002
20	3.51	0.002
55	3.9	0.001
50	3.9	0.002
40	3.9	0.002
30	3.9	0.001
20	3.9	0.001
10	3.9	0.002
0	3.9	0.002
-10	3.9	0.001
-20	3.9	-0.001
-30	3.9	-0.001

LTE Band 12, CB: 5MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.002
20	3.51	0.002
55	3.9	0.001
50	3.9	0.001
40	3.9	0.002
30	3.9	0.001
20	3.9	0.002
10	3.9	0.002
0	3.9	0.001
-10	3.9	0.001
-20	3.9	-0.001
-30	3.9	-0.002

LTE Band 12, CB: 10MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.002
20	3.51	0.002
55	3.9	0.002
50	3.9	0.001
40	3.9	0.001
30	3.9	0.001
20	3.9	0.002
10	3.9	0.001
0	3.9	0.002
-10	3.9	0.002
-20	3.9	0.001
-30	3.9	-0.002

LTE Band 17, CB: 5MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.002
20	3.51	0.002
55	3.9	0.001
50	3.9	0.002
40	3.9	0.002
30	3.9	0.001
20	3.9	0.002
10	3.9	0.001
0	3.9	0.002
-10	3.9	0.002
-20	3.9	0.001
-30	3.9	-0.002

LTE Band 17, CB: 10MHz		
Temperature (°C)	Voltage (dc)	Frequency Drift (ppm)
20	4.29	0.001
20	3.51	0.002
55	3.9	0.002
50	3.9	0.001
40	3.9	0.002
30	3.9	0.001
20	3.9	0.001
10	3.9	0.001
0	3.9	0.002
-10	3.9	0.001
-20	3.9	0.001
-30	3.9	-0.001

4 Test laboratory information

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

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

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

Linkou

Tel: 886-2-2601-1640

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

Kwei Shan

Tel: 886-3-271-8666

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

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

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