FCC Test Report

FCC ID	:	**MXF-WLTGG1334846**
Equipment	:	**Cat 12/13 LTE TDD CBRS+B46 HE Outdoor CPE**
Model No.	:	**WLTGG-133**
Brand Name	:	**Gemtek**
Applicant	:	**Gemtek Technology Co., Ltd.**
Address	:	**No. 15-1 Zhonghua Road, Hsinchu Industrial Park, Hukou, Hsinchu, Taiwan, 30352**
Standard	:	**47 CFR FCC Part 96**
Type	:	☐ **End User Device** ☐ **Category A CBSD** ☐ **Category B CBSD** ☒ **CPE-CBSD [Category B]**
Received Date	:	**Jun. 15, 2021**
Tested Date	:	**Jul. 06 ~ Jul. 19, 2021**

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

Reviewed by:	**Approved by:**
Along Chen / Assistant Manager	**Gary Chang / Manager**

Testing Laboratory 2732

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Release Record

Report No.	Version	Description	Issued Date
FG161505	Rev. 01	Initial issue	Aug. 09, 2021

Summary of Test Results

FCC Rules	Test Items	Measured	Result
2.1046 / 96.41(b)	Maximum RF Power Output EIRP	Power[dBm/10MHz]: 37.42	Pass
96.41(b)	Maximum Power Spectral Density	Meet the requirement of limit	Pass
96.41(g)	Peak to Average Ratio	Meet the requirement of limit	Pass
2.1053 / 96.41(e)	Radiated Spurious Emission	Meet the requirement of limit	Pass
2.1051 / 96.41(e)	Conducted Spurious Emission	Meet the requirement of limit	Pass
2.1051 / 96.41(e)	Band Edge	Meet the requirement of limit	Pass
2.1049	Emission Bandwidth	Meet the requirement of limit	Pass
2.1055	Frequency Stability	Meet the requirement of limit	Pass
96.41(f)	Reception Limits	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

Operating Band	**Band 48** 3550 MHz ~ 3700 MHz
Modulation Type	QPSK, 16QAM, 64QAM (Uplink) QPSK, 16QAM, 64QAM, 256QAM (Downlink)
Duplex Mode	TDD
UE Category	Cat. 12
Release	12
TX/RX function	2TX / 4RX
CA Type	Intra-Band Non-Contiguous CA
HW Version	MB:V01, RF:V01
SW Version	01.02.01.039

1.1.2 Antenna Details

Ant.	Type	Connector	Gain (dBi)	Antenna Polarization	Remark
ANT1 (Green)	Patch	UFL	13.03	+45 degree	TX / RX
ANT2 (Gray)	Patch	UFL	13.41	-45 degree	TX / RX
ANT5 (Black)	Patch	UFL	11.57	+45 degree	RX
ANT6 (Red)	Patch	UFL	11.55	-45 degree	RX

1.1.3 EUT Operational Condition

Supply Voltage	56Vdc from POE		
Operational Climatic	☒ Tnom (20°C)	☒ Tmax (55°C)	☒ Tmin (-40°C)

1.1.4 Accessories

Accessories		
No.	**Equipment**	**Description**
1	PoE	Brand: FRECOM Model: PGOC24D01-560027 I/P: 100-240V~ 50/60Hz, 0.7A O/P: 56V⎓0.27A 3 prong mickey mouse power cord: 0.72m non-shielded without core
2	PoE	Brand: PHIHONG Model: POE15M-560E I/P: 100-240V~ 0.8A, 50-60Hz O/P: 56V⎓0.275A 3 prong mickey mouse power cord: 0.72m non-shielded without core
3	RJ45 (NB to POE)	1.45m non-shielded without core

1.1.5 Maximum EIRP and Emission Designator

CDD Mode			
Channel Bandwidth (MHz)	**Modulation**	**Maximum EIRP (W)**	**Emission Designator**
10	QPSK	5.521	8M94G7D
10	16QAM	4.477	8M93W7D
10	64QAM	3.532	8M93W7D
20	QPSK	4.742	17M8G7D
20	16QAM	4.721	17M8W7D
20	64QAM	3.724	17M8W7D

CA Mode			
Channel Bandwidth (MHz)	**Modulation**	**Maximum EIRP (W)**	**Emission Designator**
10+10	QPSK	4.426	17M8G7D
10+10	16QAM	4.436	17M9W7D
10+10	64QAM	4.436	17M9W7D
10+20	QPSK	4.667	26M7G7D
10+20	16QAM	4.581	26M7W7D
10+20	64QAM	4.613	26M8W7D
20+10	QPSK	7.228	26M8G7D
20+10	16QAM	7.161	26M8W7D
20+10	64QAM	7.079	26M8W7D
20+20	QPSK	4.710	35M7G7D
20+20	16QAM	4.645	35M7W7D
20+20	64QAM	4.667	35M7W7D

1.1.6 Operating Channel List

CDD Mode		
Channel Bandwidth (MHz)	**Channel**	**Frequency (MHz)**
10	55290	3555.0
10	55990	3625.0
10	56690	3695.0
20	55340	3560.0
20	55990	3625.0
20	56640	3690.0

CA Mode		
Channel Bandwidth (MHz)	**Test Channel**	**Frequency (MHz)**
10+10	55290+56690	3555.0+3695.0
10+20	55290+56640	3555.0+3690.0
20+10	55340+56690	3560.0+3695.0
20+20	55340+56640	3560.0+3690.0

1.1.7 Test Tool and Duty Cycle

Test Tool	By Radio Communication Analyzer (Brand: Anritsu, Model: MT8821C)		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	QPSK	41.02%	3.87
	16QAM	41.02%	3.87
	64QAM	41.02%	3.87

1.1.8 Power Index of Test Tool

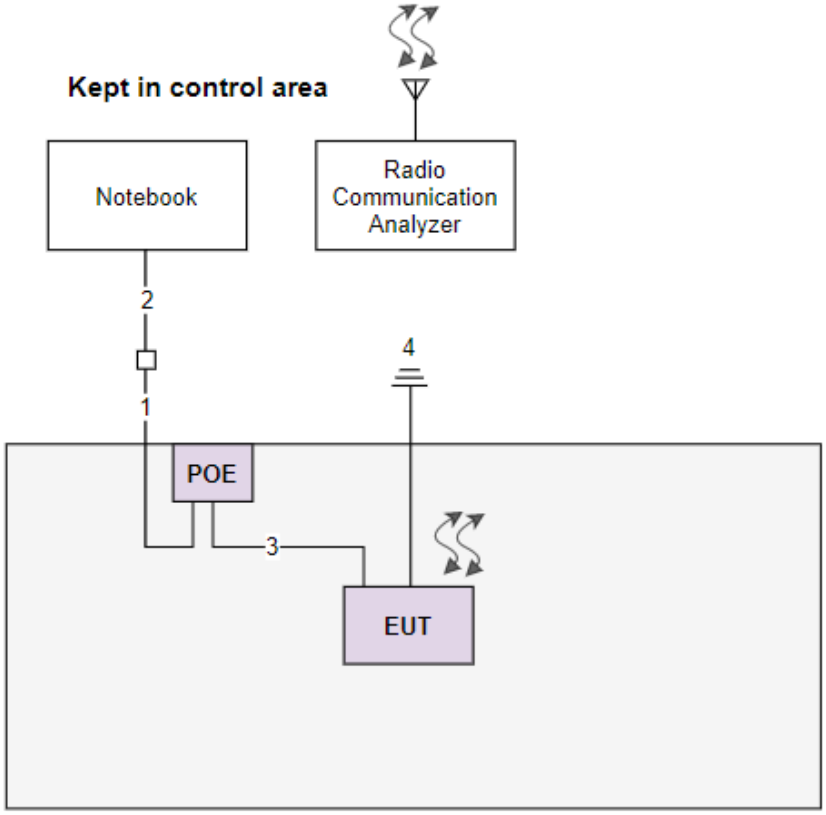
Modulation Mode	Channel Bandwidth (MHz)	Power Index
QPSK	10	P-max
16QAM	10	P-max
64QAM	10	P-max
QPSK	20	24
16QAM	20	24
64QAM	20	24
QPSK	10+10	21
16QAM	10+10	21
64QAM	10+10	21
QPSK	10+20	21
16QAM	10+20	21
64QAM	10+20	21
QPSK	20+20	21
16QAM	20+20	21
64QAM	20+20	21
QPSK	20+10	P-max
16QAM	20+10	P-max
64QAM	20+10	P-max

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude E5470	DoC	---

1.3 Test Setup Chart

Test Setup Diagram



No.	Signal cable / Length (m)
1	RJ45, 1.45m non-shielded.
2	RJ45, 10m non-shielded.
3	RJ45, 1m shielded.
4	Ground, 2.3m non-shielded.

1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Test Date	Jul. 15 ~ Jul. 19, 2021				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Aug. 28, 2020	Aug. 27, 2021
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2020	Nov. 16, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 11, 2020	Dec. 10, 2021
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 06, 2020	Nov. 05, 2021
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 26, 2020	Sep. 25, 2021
Preamplifier	EMC	EMC184045B	980192	Jul. 21, 2020	Jul. 20, 2021
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 06, 2020	Oct. 05, 2021
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 06, 2020	Oct. 05, 2021
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 06, 2020	Oct. 05, 2021
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 06, 2020	Oct. 05, 2021
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Test Date	Jul. 06 ~ Jul. 19, 2021				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Radio Communication Analyzer	Anritsu	MT8821C	6262149999	Aug. 28, 2020	Aug. 27, 2021
Spectrum Analyzer	Keysight	N9010A	MY54510374	Aug. 19, 2020	Aug. 18, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 04, 2020	Dec. 03, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GTH-150-40-CP-AR-T	MAA1407-012	Sep. 10, 2020	Sep. 09, 2021
Measurement Software	-	SENSE-FCC_2G-4G	V5.10.5.4	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 96
ANSI C63.26-2015
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

1.6 Reference Guidance

ANSI C63.4-2014
FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

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

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

2 Test Configuration

2.1 Testing Condition and Location Information

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	24°C / 62%	Akun Chung
RF Conducted	TH01-WS	24-25°C / 64-66%	Aska Huang

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

2.2 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

2.3 The Worst Test Modes and Channel Details

CDD Mode			
Test item	**Channel Bandwidth**	**Modulation**	**Test channel (MHz)**
Equivalent Isotropically Radiated Power	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Maximum Power Spectral Density	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Radiated Emissions ≤ 1GHz	10MHz 20MHz	QPSK QPSK	3555.0 3560.0
Radiated Emissions > 1GHz	10MHz 20MHz	QPSK QPSK	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Conducted Emissions	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Band Edge	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Emission Bandwidth	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Peak to Average Ratio	10MHz 20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0 / 3625.0 / 3695.0 3560.0 / 3625.0 / 3690.0
Frequency Stability	10MHz 20MHz	Un-modulation	3555.0 / 3695.0 3560.0 / 3690.0
Reception Limits	10MHz 20MHz	QPSK QPSK	3625.0 3625.0

NOTE:
1. Two PoEs (FRECOM & PHIHONG) had been covered during the pretest and found that **PHIHONG** PoE was the worst case and was selected for final testing.

CA Mode			
Test item	**Channel Bandwidth**	**Modulation**	**Test channel (MHz)**
Equivalent Isotropically Radiated Power Peak EIRP Power Density	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
Radiated Emission ≤ 1GHz	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	64QAM 64QAM 64QAM 64QAM	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
Radiated Emission > 1GHz	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	64QAM 64QAM 64QAM 64QAM	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
Conducted Emissions Emission Mask 26dBc Bandwidth	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM QPSK / 16QAM / 64QAM	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
Frequency Stability	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	Un-modulation	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
Reception Limits	10MHz+10MHz 10MHz+20MHz 20MHz+10MHz 20MHz+20MHz	64QAM 64QAM 64QAM 64QAM	3555.0+3695.0 3555.0+3690.0 3560.0+3695.0 3560.0+3690.0
NOTE: 1. Two PoEs (FRECOM & PHIHONG) had been covered during the pretest and found that **PHIHONG** PoE was the worst case and was selected for final testing.			

3 Test Results

3.1 Output Power

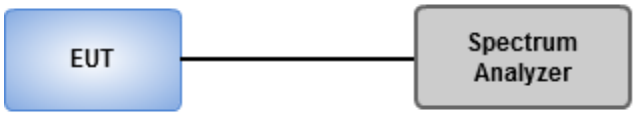
3.1.1 Limit of Output Power

Device	Maximum EIRP (dBm/10MHz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD	47	37

3.1.2 Test Procedures

1. Connect the transmitter to the spectrum analyzer via coaxial cable (i.e., conducted measurement) while ensuring proper impedance matching.
2. Tune the analyzer to the nominal center frequency of the emission bandwidth.
3 Set the span to twice the nominal EBW (span = 2 x EBW).
4 Set the resolution bandwidth (RBW) to 1 MHz.
5 Set the video bandwidth (VBW) to 3 MHz
6 Select the average power (RMS) display detector.
7 Set the number of measurement points to ≥ 1001.
8 Use auto-coupled sweep time.
9 Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
10 Utilize trace averaging over 100 traces in the power averaging.
11 Find the maximum trace amplitude (peak search) and record.
12 Using channel power function to integrate output power
13 Adjust the recorded level by applying appropriate correction factors for the measurement set-up.
14 Determine the EIRP / Power density by adding the effective antenna gain to the adjusted power level.

3.1.3 Test Setup



3.1.4 Test Result of EIRP

CDD Mode, Single-carrier: Refer to Appendix A.1, A.2.

CA Mode, Multi-carrier: Refer to Appendix A.3, A.4.

3.1.5 Test Result of PSD

CDD Mode, Single-carrier: Refer to Appendix B.1.

CA Mode, Multi-carrier: Refer to Appendix B.2.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

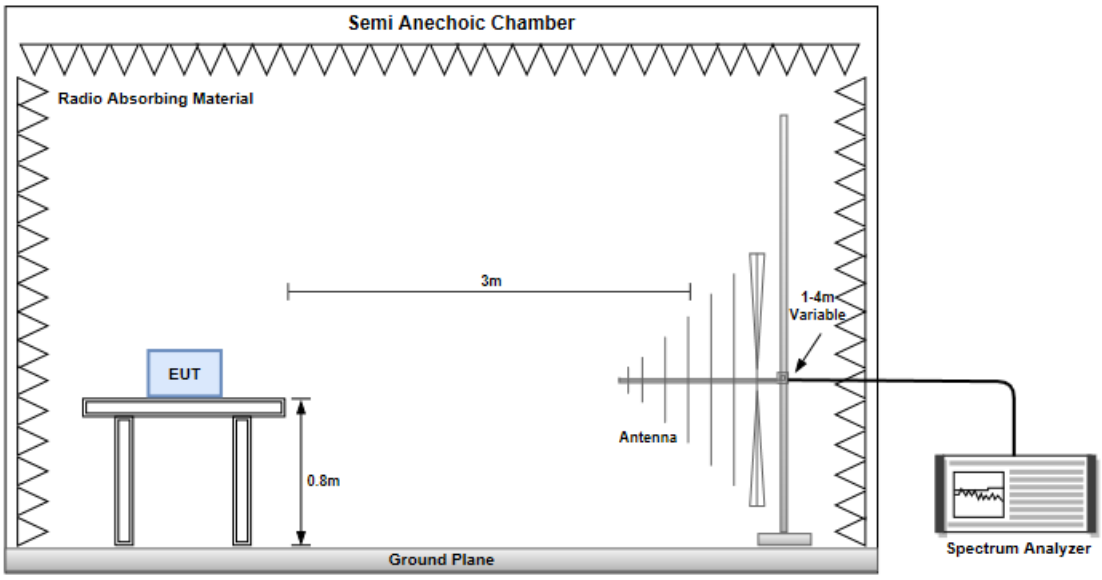
Frequency range	Limit (dBm/MHz)
Within 0-10 MHz above the Assigned Channel Within 0-10 MHz below the assigned Channel	-13
Greater than 10 MHz above the Assigned Channel Greater than 10 MHz below the Assigned Channel	-25
Power of any Emission below 3530 MHz Power of any Emission above 3720 MHz	-40

3.2.2 Test Procedures

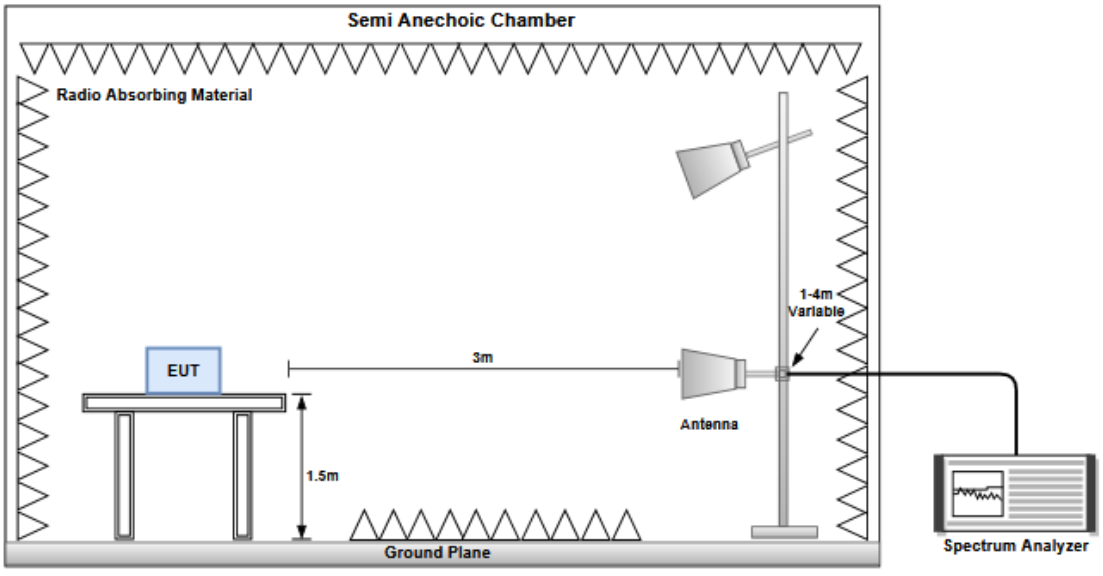
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions

CDD Mode, Single-carrier: Refer to Appendix C.1.

CA Mode, Multi-carrier: Refer to Appendix C.2.

3.3 Conducted Emissions & Band Edge

3.3.1 Limit of Conducted Emissions & Band Edge

Frequency range	Limit (dBm/MHz)
Within 0-10 MHz above the Assigned Channel Within 0-10 MHz below the assigned Channel	-13
Greater than 10 MHz above the Assigned Channel Greater than 10 MHz below the Assigned Channel	-25
Power of any Emission below 3530 MHz Power of any Emission above 3720 MHz	-40

3.3.2 Test Procedures

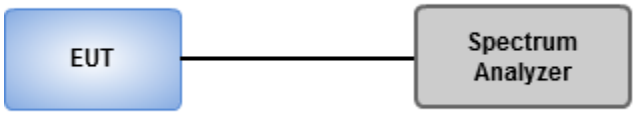
Emission below 3530 MHz / Emission above 3720 MHz

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30 MHz ~ 37 GHz.
3. Set RBW = 1MHz, VBW = 3MHz, detector = RMS, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

3530 MHz ~ (F_c - BW/2) / (F_c + BW/2) ~ 3720 MHz

1. Lowest /middel / highest operating channels are tested for this item.
2. The center frequency of spectrum analyzer will be set to Lowest /middel / highest operating channels.
3. Set RBW = 1% of EBW, VBW = 3 x RBW, detector = RMS, sweep time = auto..
4. Using channel power function to measure test result and record the max trace value and capture the test plot.

3.3.3 Test Setup



3.3.4 Test Result of Conducted Emissions & Band Edge

CDD Mode, Single-carrier: Refer to Appendix D.1, D.2.

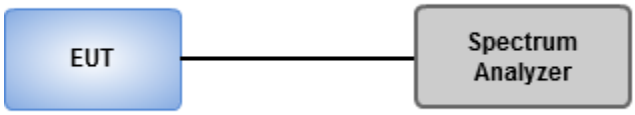
CA Mode, Multi-carrier: Refer to Appendix D.3, D.4.

3.4 Emission 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. 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.
5. Measure the occupied bandwidth.

3.4.2 Test Setup



3.4.3 Test Result of Occupied Bandwidth

CDD Mode, Single-carrier: Refer to Appendix E.1.

CA Mode, Multi-carrier: Refer to Appendix E.2.

3.5 Peak to Average Ratio

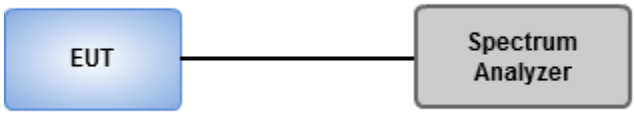
3.5.1 Limit of Peak to Average Ratio

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

3.5.2 Test Procedures

1. Enable CCDF function of spectrum analyzer and set RBW=10MHz.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
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

CDD Mode, Single-carrier: Refer to Appendix F.1.
CA Mode, Multi-carrier: Refer to Appendix F.2.

3.6 Frequency Stability

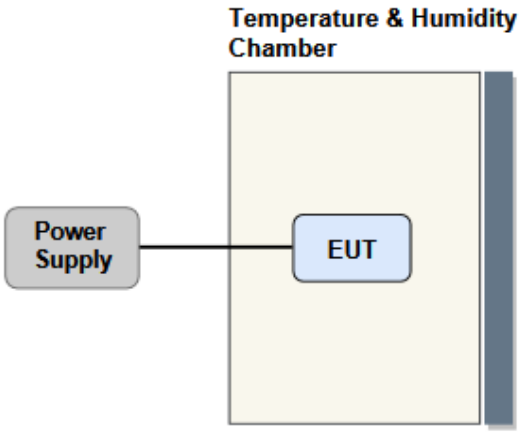
3.6.1 Limit of Frequency Stability

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. Temperature range is from -40 ~ 55 °C and voltage range is from lowest to highest working voltage.
4. Tem Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

CDD Mode, Single-carrier: Refer to Appendix G.1.

CA Mode, Multi-carrier: Refer to Appendix G.2.

3.7 Reception Limits

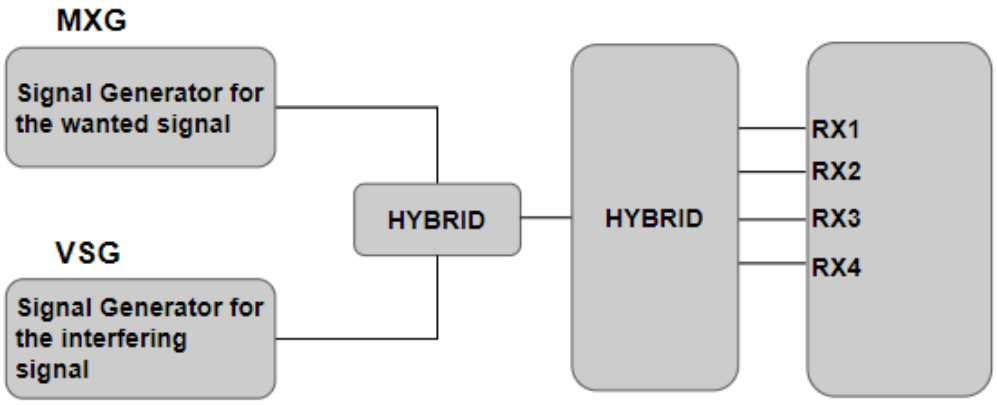
3.7.1 Description of Reception Limits

Priority Access Licensees must accept adjacent channel and in-band blocking interference (emissions from other authorized Priority Access or GAA CBSDs transmitting between 3550 and 3700 MHz) up to a power spectral density level not to exceed −40dBm in any direction with greater than 99% probability when integrated over a 10 megahertz reference bandwidth.

3.7.2 Test Procedures

1. Generate the wanted signal and adjust the input level to specified power level.
2. Select low, middle and high channels for each modulation.
3. For adjacent channel interference, set up the interfering signals at the adjacent channel frequency and adjust the interfering signal level to -40dBm at receiver antenna ports.
4. For in-band blocking interference, set up the interfering signal in the frequency range from 3550MHz to 3700MHz and adjust the interfering signal level to -40dBm at receiver antenna ports.
5. Measure and check the throughput of the EUT greater than 99% probability.

3.7.3 Test Setup



3.7.4 Test Result of Reception Limits

CDD Mode, Single-carrier: Refer to Appendix H.1.

CA Mode, Multi-carrier: Refer to Appendix H.2.

4 Test laboratory information

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

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

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

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.) No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 333, Taiwan (R.O.C.)

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

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

==END==

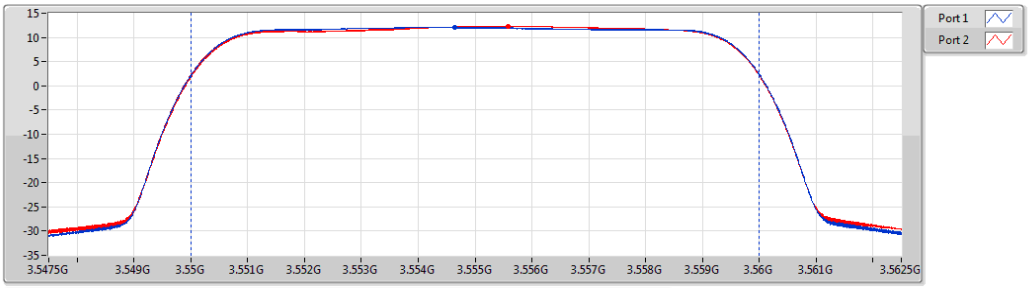
Single-carrier
Summary of AV power @10MHz

Mode	Result	DG (dBi)	Port 1 (dBm/10MHz)	Port 2 (dBm/10MHz)	Power (dBm/10MHz)	EIRP (dBm/10MHz)	EIRP Lim. (dBm/10MHz)
Band 48_LTE_10MHz_Nss1_2TX	-	-	-	-	-	-	-
3555MHz_QPSK_RB 50,#RB 0	Pass	13.41	21.01	20.99	24.01	37.42	47
3625MHz_QPSK_RB 50,#RB 0	Pass	13.41	20.95	20.91	23.94	37.35	47
3695MHz_QPSK_RB 50,#RB 0	Pass	13.41	20.82	21.16	24.00	37.41	47
3555MHz_16QAM_RB 50,#RB 0	Pass	13.41	20.12	20.06	23.10	36.51	47
3625MHz_16QAM_RB 50,#RB 0	Pass	13.41	19.92	19.89	22.92	36.33	47
3695MHz_16QAM_RB 50,#RB 0	Pass	13.41	19.76	20.04	22.91	36.32	47
3555MHz_64QAM_RB 50,#RB 0	Pass	13.41	19.07	19.05	22.07	35.48	47
3625MHz_64QAM_RB 50,#RB 0	Pass	13.41	19.05	19.07	22.07	35.48	47
3695MHz_64QAM_RB 50,#RB 0	Pass	13.41	18.82	18.97	21.91	35.32	47
Band 48_LTE_20MHz_Nss1_2TX	-	-	-	-	-	-	-
3560MHz_QPSK_RB 100,#RB 0	Pass	13.41	18.14	18.12	21.14	34.55	47
3625MHz_QPSK_RB 100,#RB 0	Pass	13.41	17.97	17.80	20.90	34.31	47
3690MHz_QPSK_RB 100,#RB 0	Pass	13.41	17.60	17.96	20.79	34.20	47
3560MHz_16QAM_RB 100,#RB 0	Pass	13.41	18.16	18.12	21.15	34.56	47
3625MHz_16QAM_RB 100,#RB 0	Pass	13.41	17.83	17.67	20.76	34.17	47
3690MHz_16QAM_RB 100,#RB 0	Pass	13.41	17.49	17.95	20.74	34.15	47
3560MHz_64QAM_RB 100,#RB 0	Pass	13.41	17.04	17.01	20.04	33.45	47
3625MHz_64QAM_RB 100,#RB 0	Pass	13.41	16.90	16.77	19.85	33.26	47
3690MHz_64QAM_RB 100,#RB 0	Pass	13.41	16.71	16.79	19.76	33.17	47

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

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

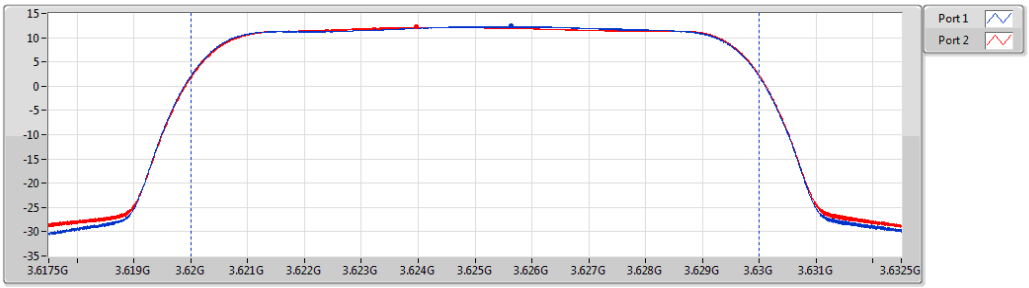
3555MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
21.01	3.555G	15M	1M	3M	10	RMS	10M	1
20.99	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.01								

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

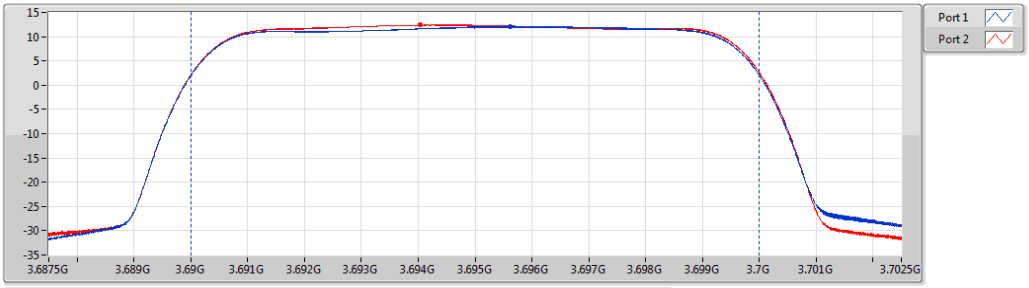
3625MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.95	3.625G	15M	1M	3M	10	RMS	10M	1
20.91	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.94								

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

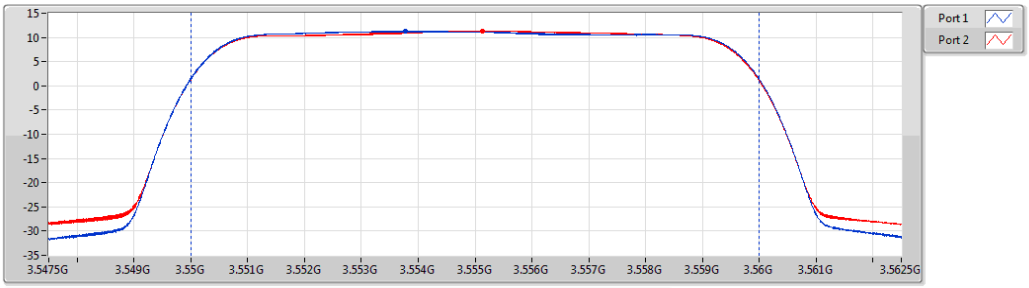
3695MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.82	3.695G	15M	1M	3M	10	RMS	10M	1
21.16	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.00								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

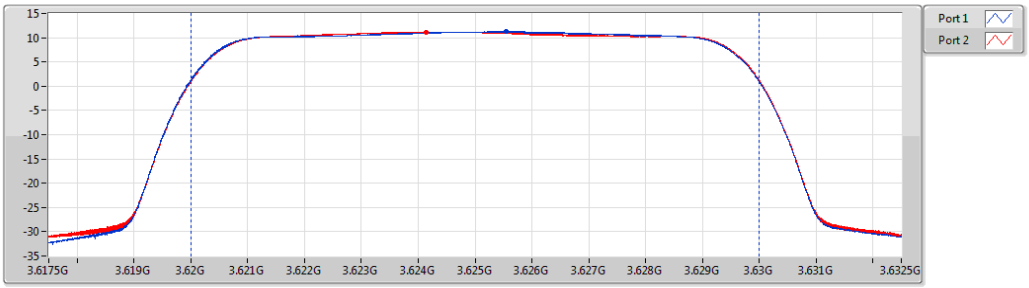
3555MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.12	3.555G	15M	1M	3M	10	RMS	10M	1
20.06	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.10								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

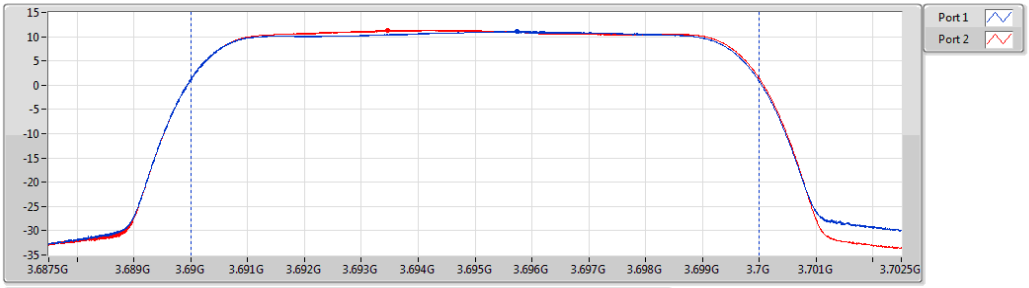
3625MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.92	3.625G	15M	1M	3M	10	RMS	10M	1
19.89	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.92								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

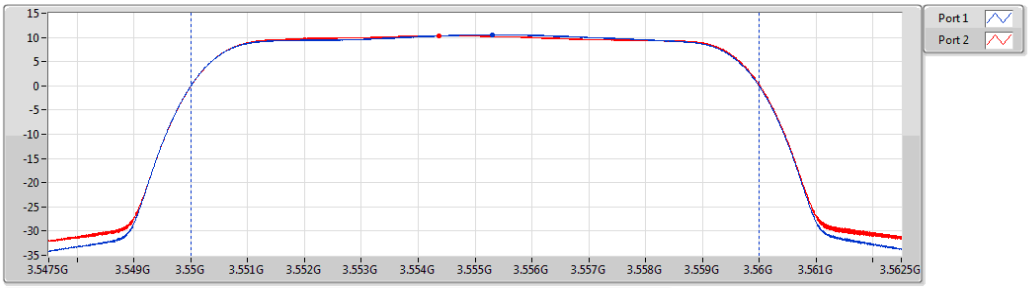
3695MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.76	3.695G	15M	1M	3M	10	RMS	10M	1
20.04	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.91								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

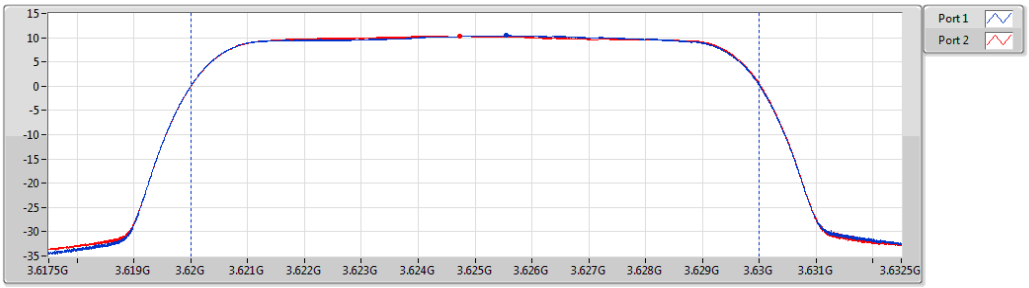
3555MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.07	3.555G	15M	1M	3M	10	RMS	10M	1
19.05	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.07								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

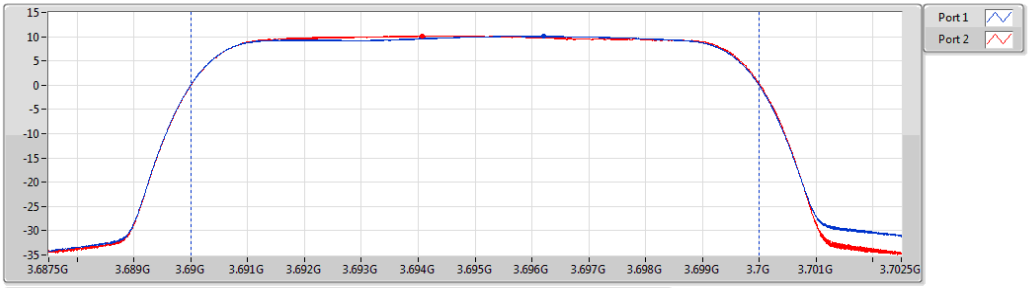
3625MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.05	3.625G	15M	1M	3M	10	RMS	10M	1
19.07	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.07								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

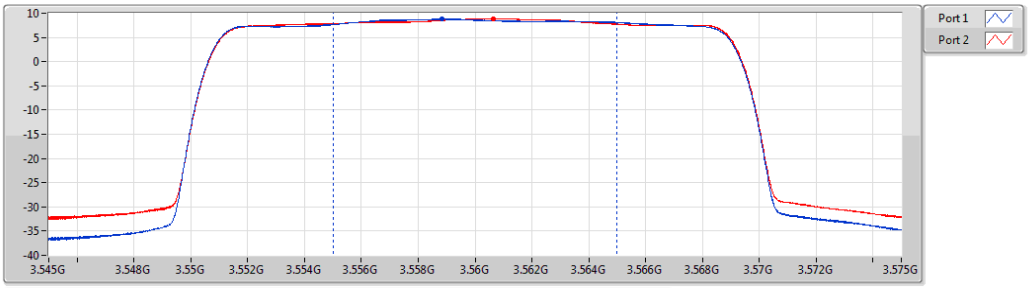
3695MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.82	3.695G	15M	1M	3M	10	RMS	10M	1
18.97	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.91								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

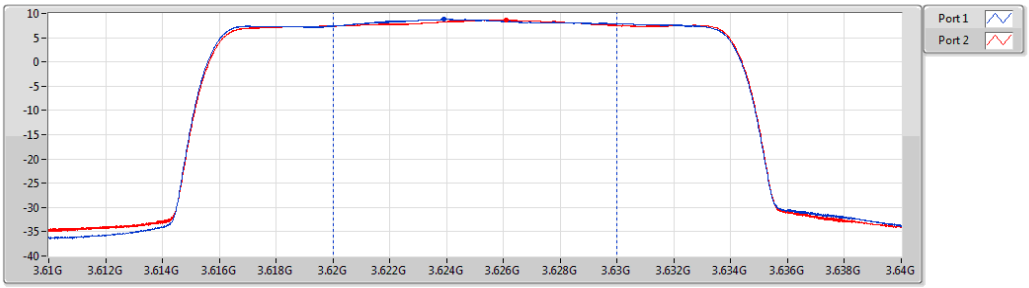
3560MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.14	3.56G	30M	1M	3M	10	RMS	10M	1
18.12	3.56G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.14								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

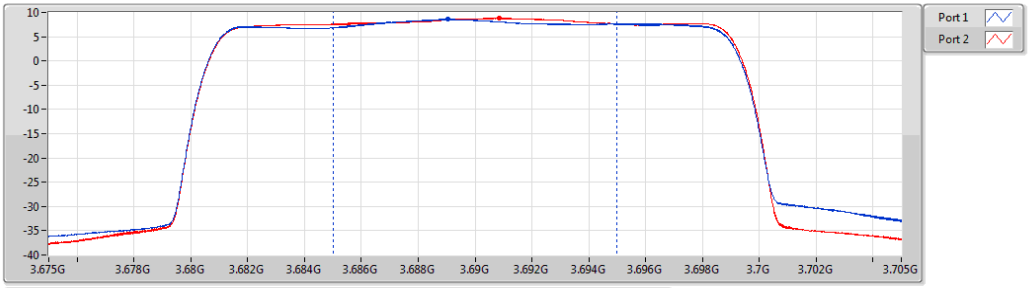
3625MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
17.97	3.625G	30M	1M	3M	10	RMS	10M	1
17.80	3.625G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
20.90								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

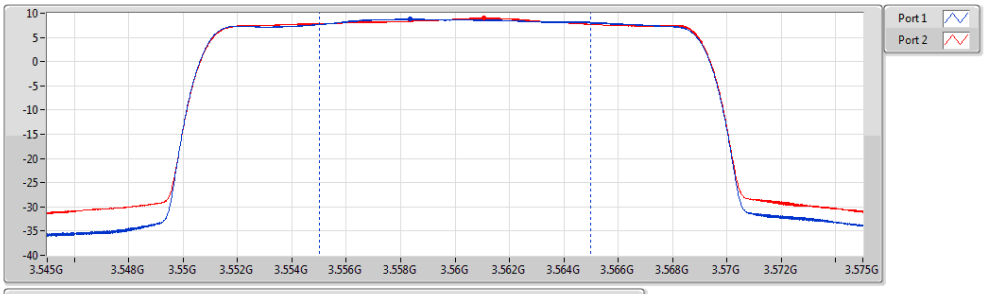
3690MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
17.60	3.69G	30M	1M	3M	10	RMS	10M	1
17.96	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
20.79								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

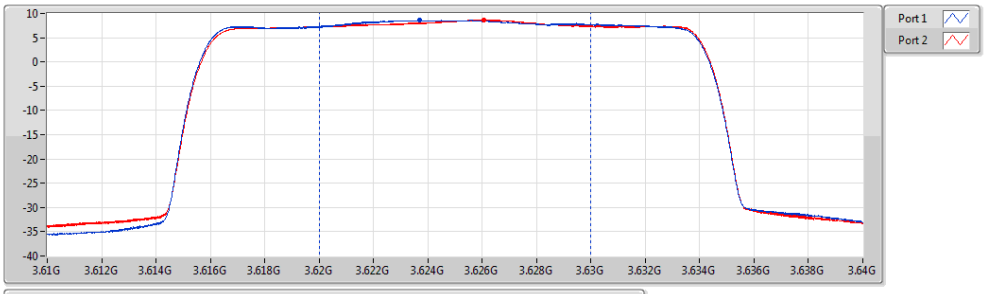
3560MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.16	3.56G	30M	1M	3M	10	RMS	10M	1
18.12	3.56G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.15								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

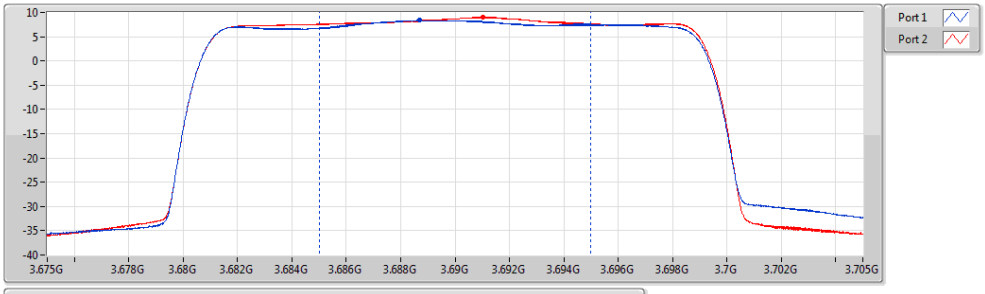
3625MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
17.83	3.625G	30M	1M	3M	10	RMS	10M	1
17.67	3.625G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
20.76								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

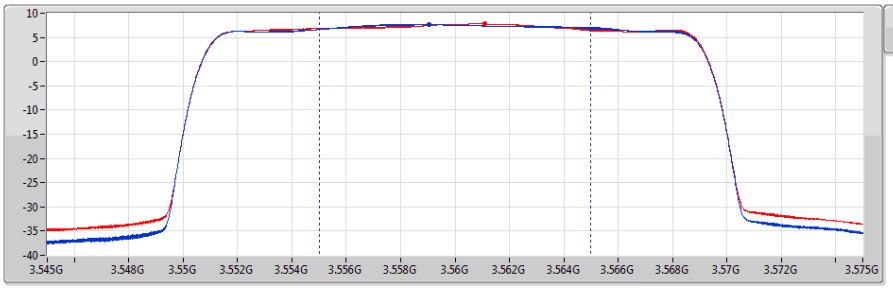
3690MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
17.49	3.69G	30M	1M	3M	10	RMS	10M	1
17.95	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
20.74								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

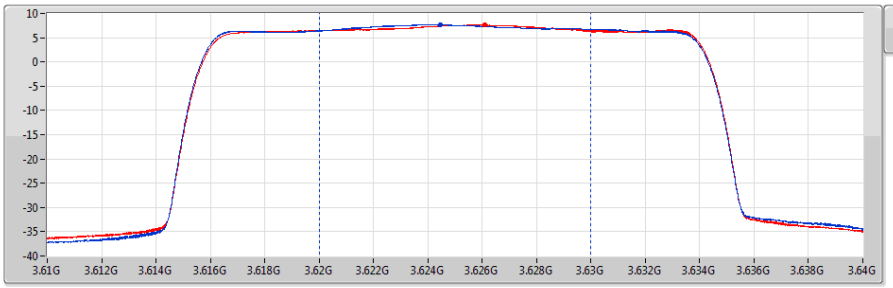
3560MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
17.04	3.56G	30M	1M	3M	10	RMS	10M	1
17.01	3.56G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
20.04								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

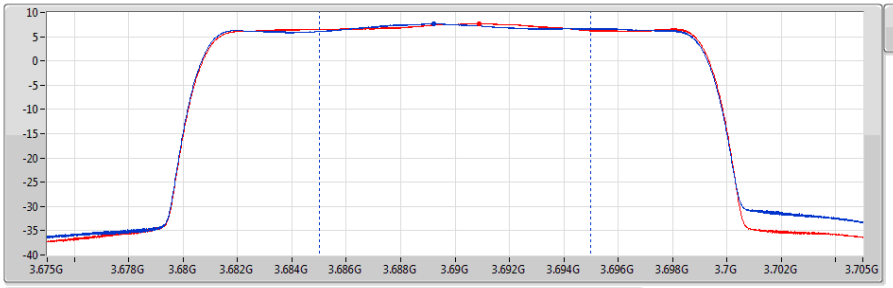
3625MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
16.90	3.625G	30M	1M	3M	10	RMS	10M	1
16.77	3.625G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
19.85								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

3690MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
16.71	3.69G	30M	1M	3M	10	RMS	10M	1
16.79	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
19.76								

Single-carrier
Full Power Result

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 48	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	24.01	0.252	37.42	5.52077
LTE_10MHz_Nss1,16QAM_2TX	23.10	0.204	36.51	4.47713
LTE_10MHz_Nss1,64QAM_2TX	22.07	0.161	35.48	3.53183
LTE_20MHz_Nss1,QPSK_2TX	23.35	0.216	36.76	4.74242
LTE_20MHz_Nss1,16QAM_2TX	23.33	0.215	36.74	4.72063
LTE_20MHz_Nss1,64QAM_2TX	22.30	0.170	35.71	3.72392

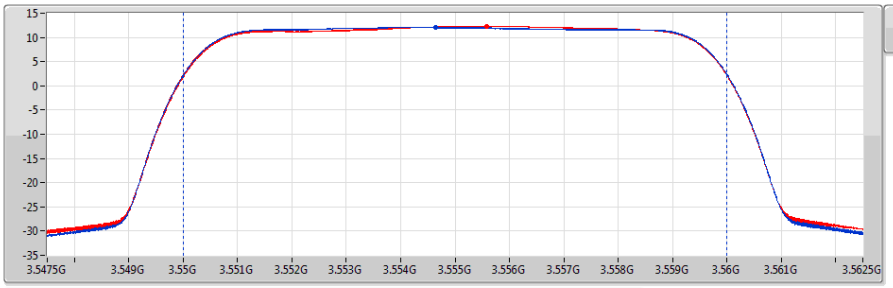
Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)	Port 2 (dBm)
Band 48_LTE_10MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
3555MHz_QPSK_RB 50,#RB 0	Pass	13.41	37.42	5.52077	Inf	24.01	0.252	Inf	21.01	20.99
3625MHz_QPSK_RB 50,#RB 0	Pass	13.41	37.35	5.43250	Inf	23.94	0.248	Inf	20.95	20.91
3695MHz_QPSK_RB 50,#RB 0	Pass	13.41	37.41	5.50808	Inf	24.00	0.251	Inf	20.82	21.16
3555MHz_16QAM_RB 50,#RB 0	Pass	13.41	36.51	4.47713	Inf	23.10	0.204	Inf	20.12	20.06
3625MHz_16QAM_RB 50,#RB 0	Pass	13.41	36.33	4.29536	Inf	22.92	0.196	Inf	19.92	19.89
3695MHz_16QAM_RB 50,#RB 0	Pass	13.41	36.32	4.28549	Inf	22.91	0.196	Inf	19.76	20.04
3555MHz_64QAM_RB 50,#RB 0	Pass	13.41	35.48	3.53183	Inf	22.07	0.161	Inf	19.07	19.05
3625MHz_64QAM_RB 50,#RB 0	Pass	13.41	35.48	3.53183	Inf	22.07	0.161	Inf	19.05	19.07
3695MHz_64QAM_RB 50,#RB 0	Pass	13.41	35.32	3.40408	Inf	21.91	0.155	Inf	18.82	18.97
Band 48_LTE_20MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
3560MHz_QPSK_RB 100,#RB 0	Pass	13.41	36.76	4.74242	Inf	23.35	0.216	Inf	20.32	20.35
3625MHz_QPSK_RB 100,#RB 0	Pass	13.41	36.54	4.50817	Inf	23.13	0.205	Inf	20.19	20.04
3690MHz_QPSK_RB 100,#RB 0	Pass	13.41	36.47	4.43609	Inf	23.06	0.202	Inf	19.88	20.22
3560MHz_16QAM_RB 100,#RB 0	Pass	13.41	36.74	4.72063	Inf	23.33	0.215	Inf	20.32	20.32
3625MHz_16QAM_RB 100,#RB 0	Pass	13.41	36.58	4.54988	Inf	23.17	0.207	Inf	20.23	20.08
3690MHz_16QAM_RB 100,#RB 0	Pass	13.41	36.47	4.43609	Inf	23.06	0.202	Inf	19.88	20.22
3560MHz_64QAM_RB 100,#RB 0	Pass	13.41	35.71	3.72392	Inf	22.30	0.170	Inf	19.35	19.23
3625MHz_64QAM_RB 100,#RB 0	Pass	13.41	35.63	3.65595	Inf	22.22	0.167	Inf	19.25	19.16
3690MHz_64QAM_RB 100,#RB 0	Pass	13.41	35.39	3.45939	Inf	21.98	0.158	Inf	18.87	19.06

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

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

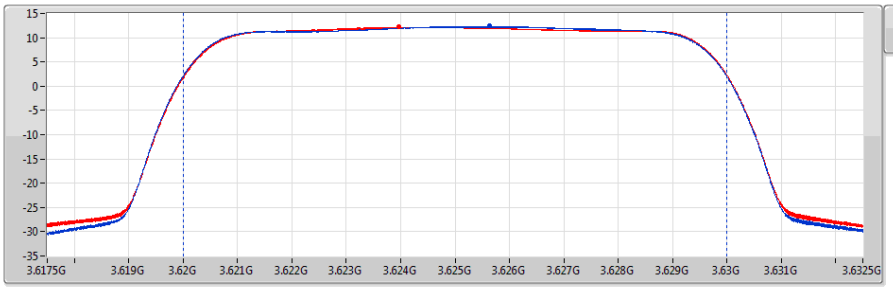
3555MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
21.01	3.555G	15M	1M	3M	10	RMS	10M	1
20.99	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.01								

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

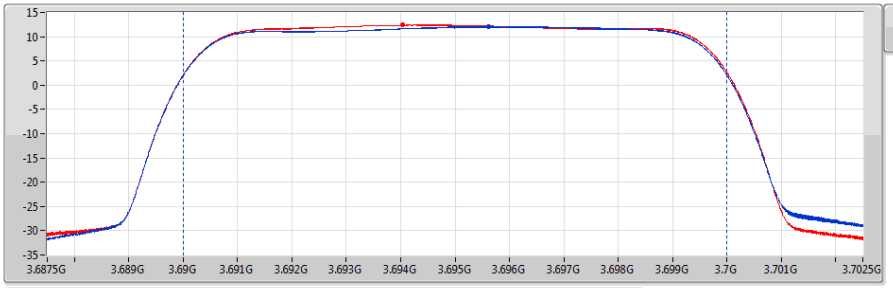
3625MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.95	3.625G	15M	1M	3M	10	RMS	10M	1
20.91	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.94								

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PowerAV**

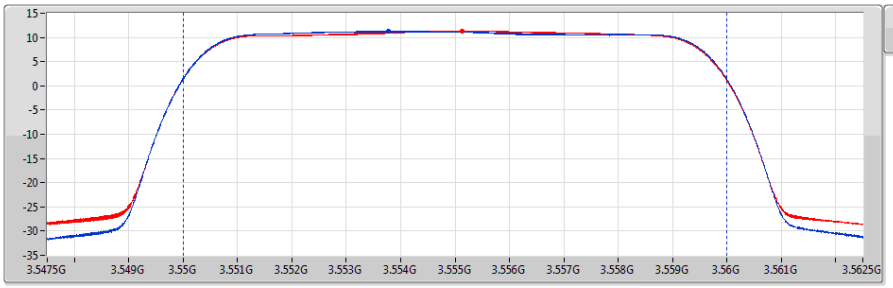
3695MHz_QPSK_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.82	3.695G	15M	1M	3M	10	RMS	10M	1
21.16	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.00								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

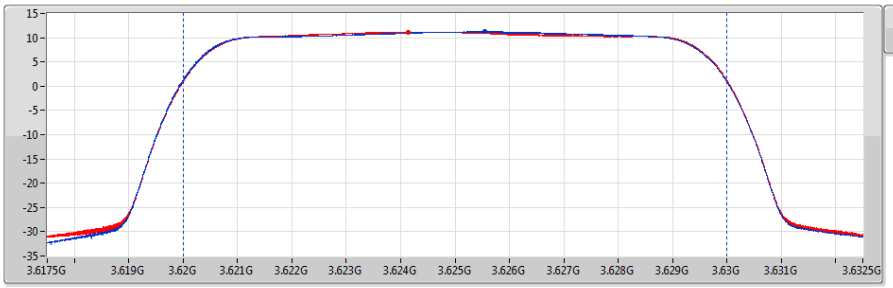
3555MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.12	3.555G	15M	1M	3M	10	RMS	10M	1
20.06	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.10								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

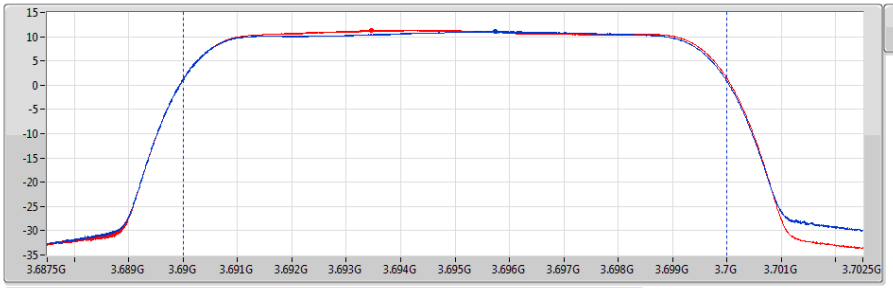
3625MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.92	3.625G	15M	1M	3M	10	RMS	10M	1
19.89	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.92								

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PowerAV**

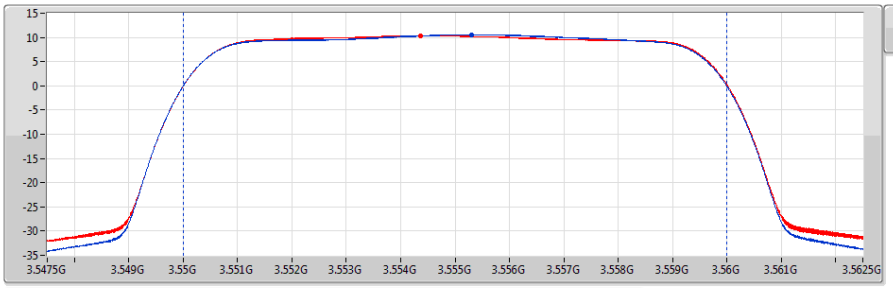
3695MHz_16QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.76	3.695G	15M	1M	3M	10	RMS	10M	1
20.04	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.91								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

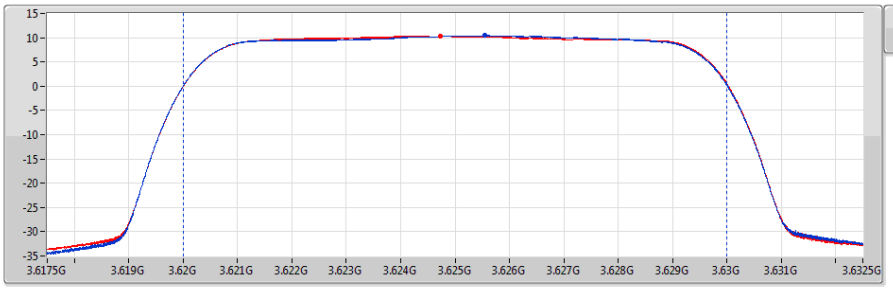
3555MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.07	3.555G	15M	1M	3M	10	RMS	10M	1
19.05	3.555G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.07								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

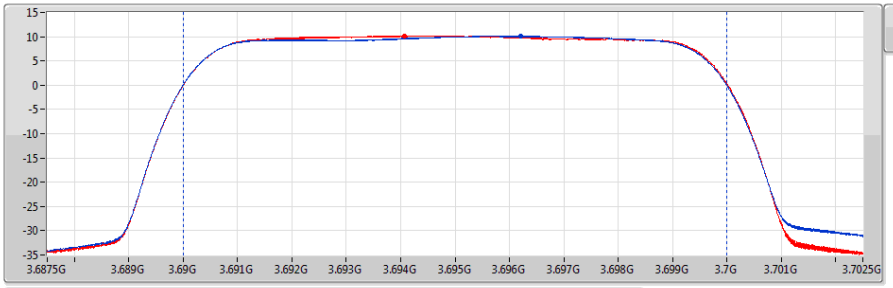
3625MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.05	3.625G	15M	1M	3M	10	RMS	10M	1
19.07	3.625G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.07								

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PowerAV**

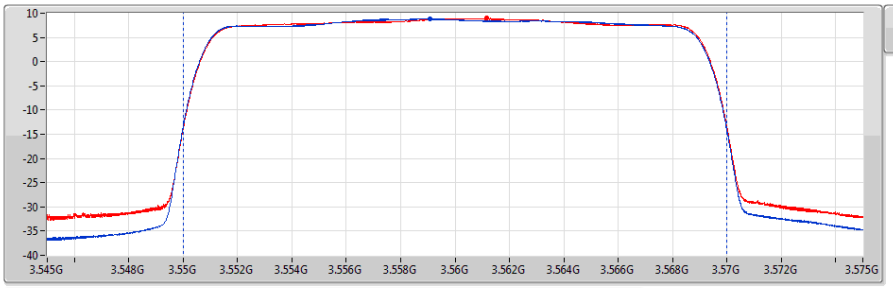
3695MHz_64QAM_RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.82	3.695G	15M	1M	3M	10	RMS	10M	1
18.97	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.91								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

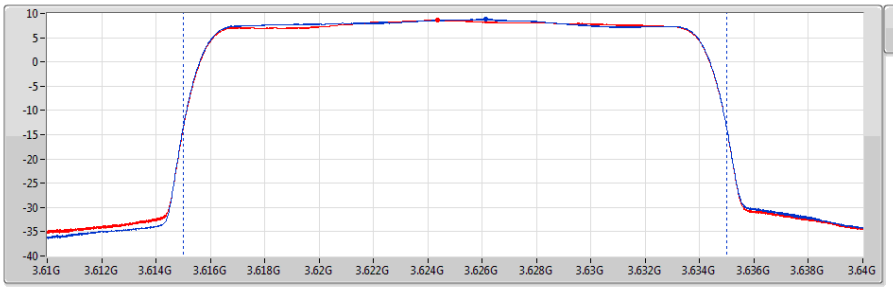
3560MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.32	3.56G	30M	1M	3M	10	RMS	20M	1
20.35	3.56G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.35								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

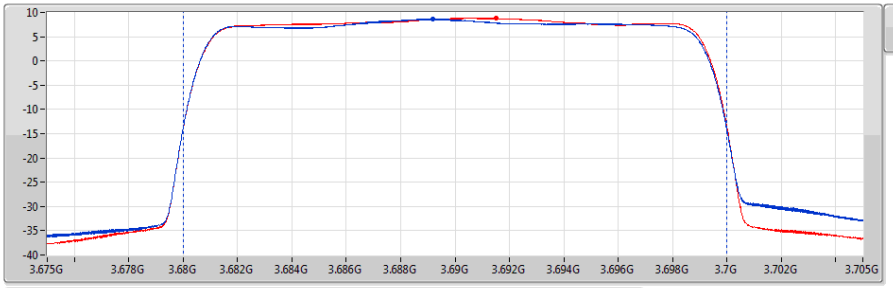
3625MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.19	3.625G	30M	1M	3M	10	RMS	20M	1
20.04	3.625G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.13								

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PowerAV**

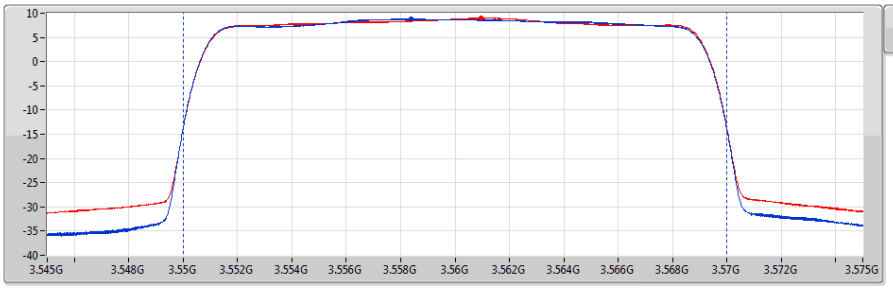
3690MHz_QPSK_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.88	3.69G	30M	1M	3M	10	RMS	20M	1
20.22	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.06								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

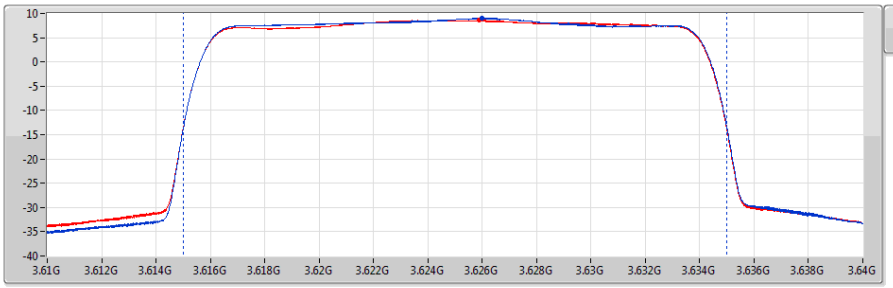
3560MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.32	3.56G	30M	1M	3M	10	RMS	20M	1
20.32	3.56G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.33								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

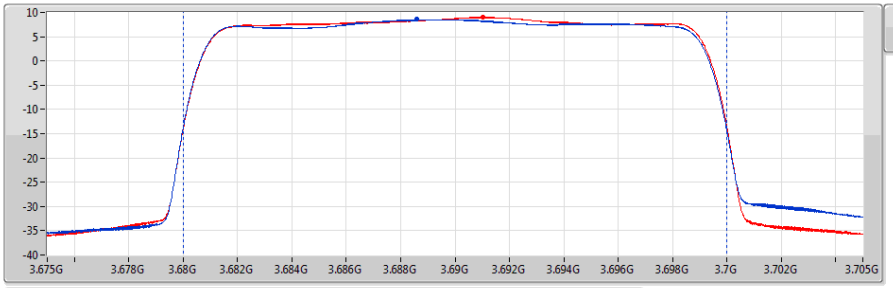
3625MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.23	3.625G	30M	1M	3M	10	RMS	20M	1
20.08	3.625G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.17								

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PowerAV**

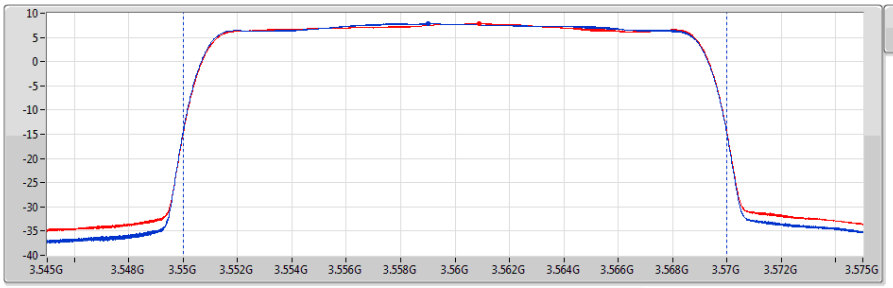
3690MHz_16QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.88	3.69G	30M	1M	3M	10	RMS	20M	1
20.22	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.06								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

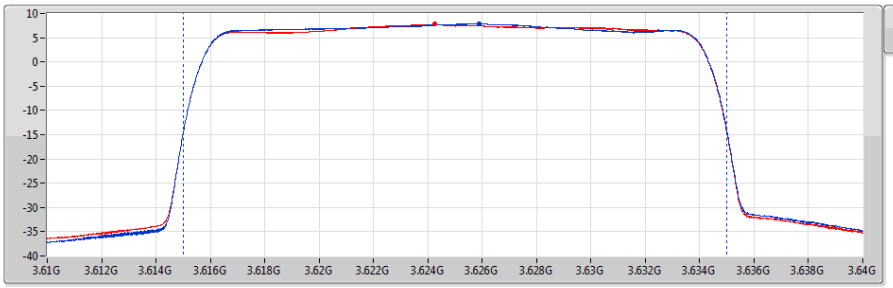
3560MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.35	3.56G	30M	1M	3M	10	RMS	20M	1
19.23	3.56G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
22.30								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

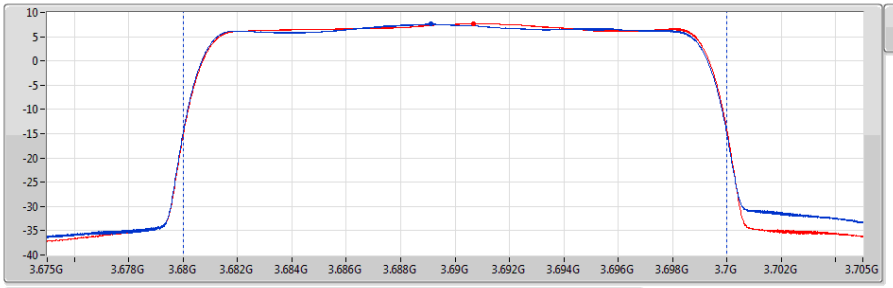
3625MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
19.25	3.625G	30M	1M	3M	10	RMS	20M	1
19.16	3.625G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
22.22								

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PowerAV**

3690MHz_64QAM_RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.87	3.69G	30M	1M	3M	10	RMS	20M	1
19.06	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
21.98								

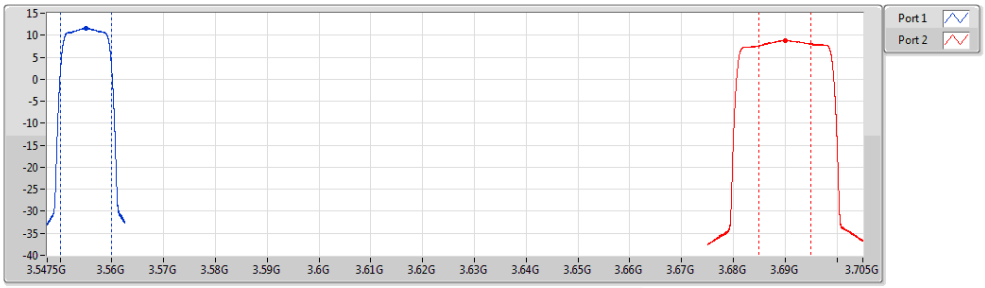
Multi-carrier
Summary of AV Power @10MHz

Mode	Result	DG (dBi)	1Carrier Port 1 (dBm/10MHz)	2Carrier Port 2 (dBm/10MHz)	Max Power (dBm/10MHz)	Max EIRP (dBm/10MHz)	EIRP Lim. (dBm/10MHz)
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	20.14	19.94	20.14	33.55	47
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	20.15	19.95	20.15	33.56	47
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	20.15	19.95	20.15	33.56	47
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	20.25	18.11	20.25	33.66	47
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	20.24	18.08	20.24	33.65	47
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	20.22	18.21	20.22	33.63	47
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	20.28	22.48	22.48	35.89	47
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	20.27	22.35	22.35	35.76	47
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	20.27	22.32	22.32	35.73	47
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	18.31	18.32	18.32	31.73	47
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	18.30	18.30	18.30	31.71	47
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	18.34	18.21	18.34	31.75	47

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

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **PowerAV**

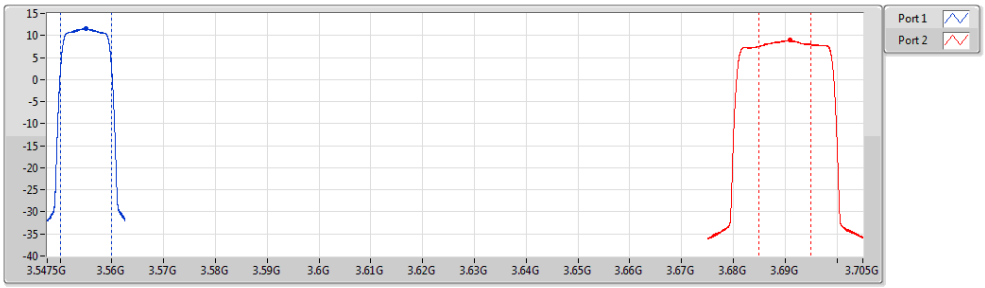
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.25	3.555G	15M	1M	3M	10	RMS	10M	1
18.11	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.32								

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **PowerAV**

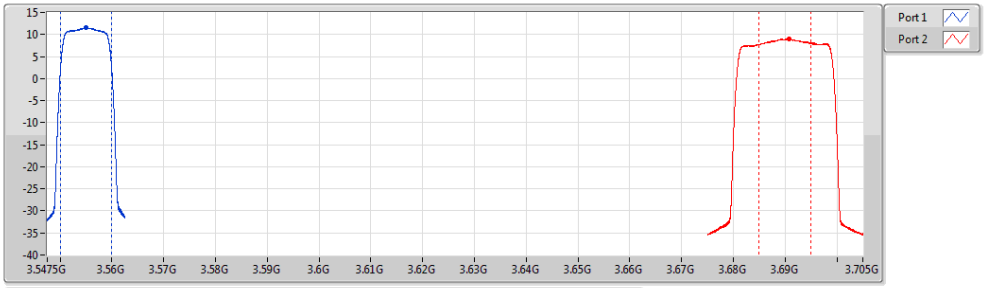
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.24	3.555G	15M	1M	3M	10	RMS	10M	1
18.08	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.30								

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **PowerAV**

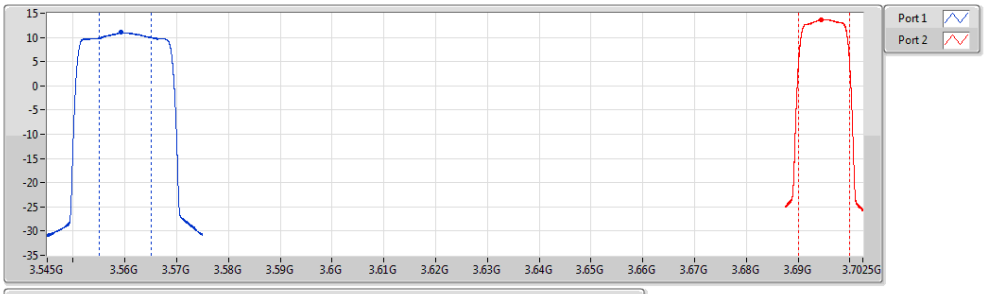
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.22	3.555G	15M	1M	3M	10	RMS	10M	1
18.21	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
22.34								

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **PowerAV**

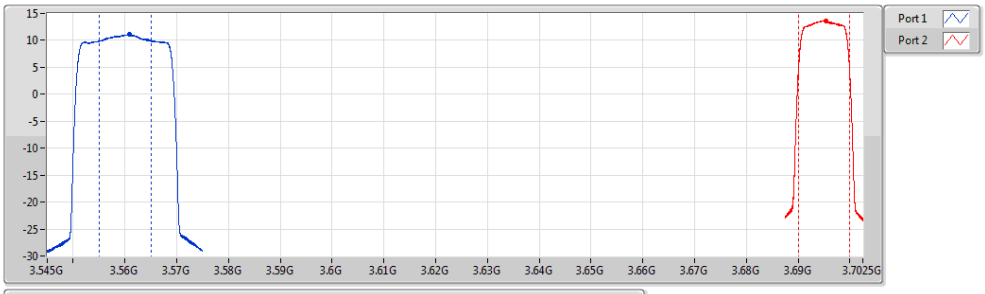
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.28	3.56G	30M	1M	3M	10	RMS	10M	1
22.48	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.53								

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **PowerAV**

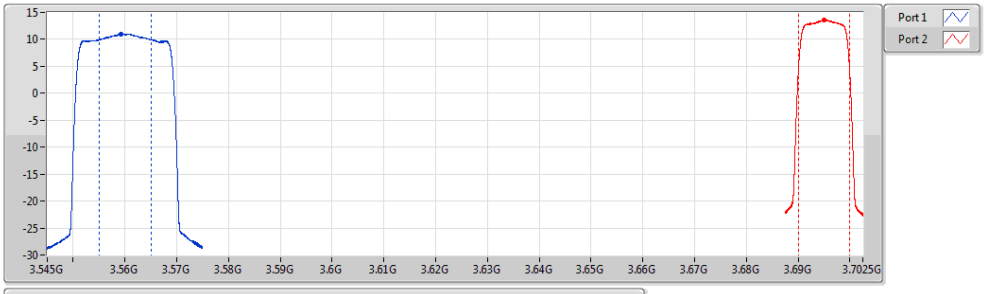
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.27	3.56G	30M	1M	3M	10	RMS	10M	1
22.35	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.44								

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **PowerAV**

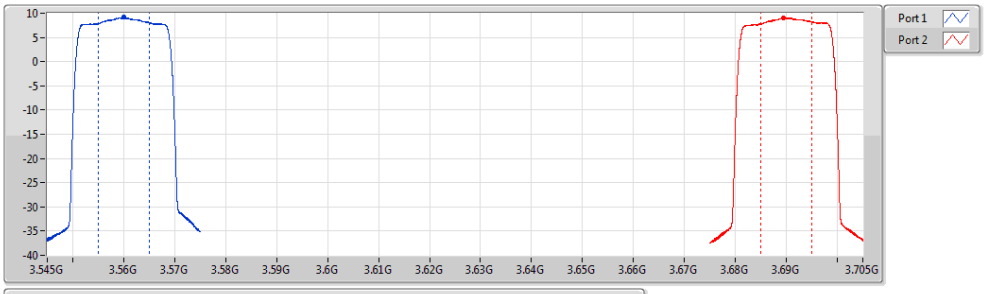
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.27	3.56G	30M	1M	3M	10	RMS	10M	1
22.32	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
24.43								

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **PowerAV**

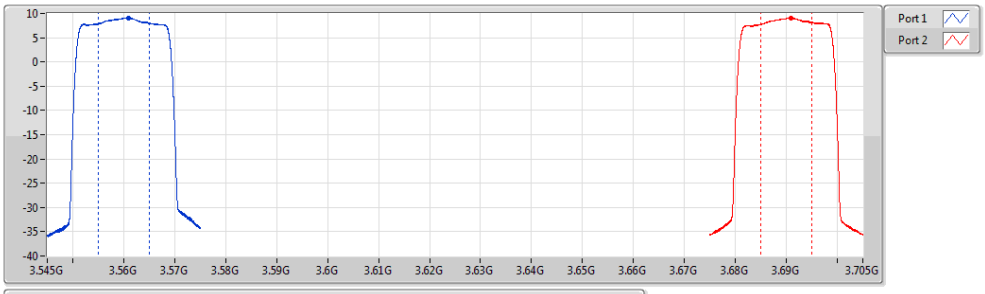
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.31	3.56G	30M	1M	3M	10	RMS	10M	1
18.32	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.33								

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **PowerAV**

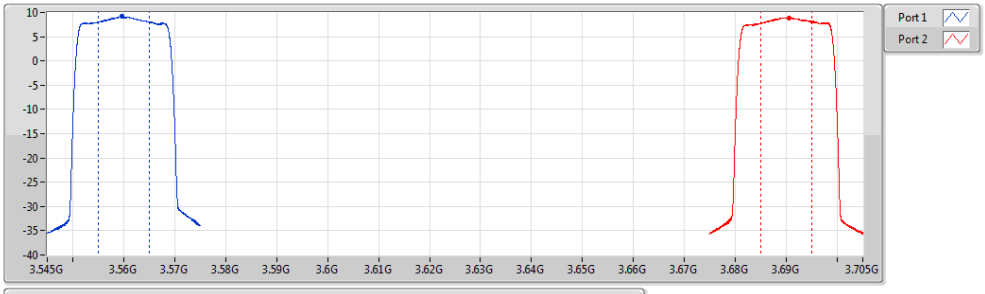
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.30	3.56G	30M	1M	3M	10	RMS	10M	1
18.30	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.31								

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **PowerAV**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
18.34	3.56G	30M	1M	3M	10	RMS	10M	1
18.21	3.69G	30M	1M	3M	10	RMS	10M	2
Sum(dBm)								
21.29								

Multi-carrier
Full Power Result

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
Band 48	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	23.05	0.202	36.46	4.42588
LTE_10MHz+10MHz_Nss1,16QAM_2TX	23.06	0.202	36.47	4.43609
LTE_10MHz+10MHz_Nss1,64QAM_2TX	23.06	0.202	36.47	4.43609
LTE_10MHz+20MHz_Nss1,QPSK_2TX	23.28	0.213	36.69	4.66659
LTE_10MHz+20MHz_Nss1,16QAM_2TX	23.20	0.209	36.61	4.58142
LTE_10MHz+20MHz_Nss1,64QAM_2TX	23.23	0.210	36.64	4.61318
LTE_20MHz+10MHz_Nss1,QPSK_2TX	25.18	0.330	38.59	7.22770
LTE_20MHz+10MHz_Nss1,16QAM_2TX	25.14	0.327	38.55	7.16143
LTE_20MHz+10MHz_Nss1,64QAM_2TX	25.09	0.323	38.50	7.07946
LTE_20MHz+20MHz_Nss1,QPSK_2TX	23.32	0.215	36.73	4.70977
LTE_20MHz+20MHz_Nss1,16QAM_2TX	23.26	0.212	36.67	4.64515
LTE_20MHz+20MHz_Nss1,64QAM_2TX	23.28	0.213	36.69	4.66659

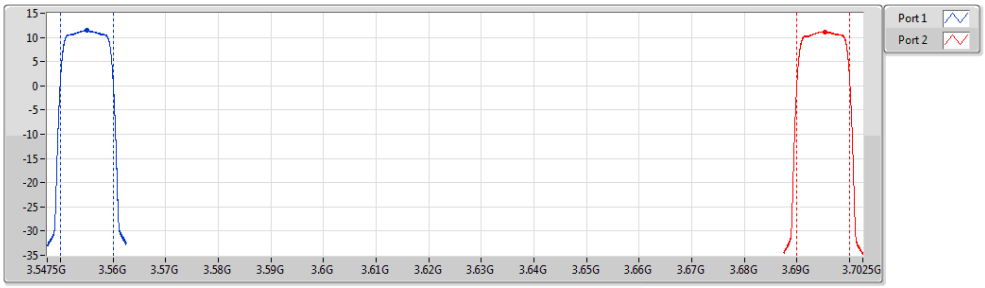
Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP (W)	EIRP Lim. (W)	Power (dBm)	Power (W)	Power Lim. (W)	Port 1 (dBm)	Port 2 (dBm)
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	36.46	4.42588	Inf	23.05	0.202	Inf	20.14	19.94
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	36.47	4.43609	Inf	23.06	0.202	Inf	20.15	19.95
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	36.47	4.43609	Inf	23.06	0.202	Inf	20.15	19.95
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	36.69	4.66659	Inf	23.28	0.213	Inf	20.22	20.32
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	36.61	4.58142	Inf	23.20	0.209	Inf	20.17	20.21
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	36.64	4.61318	Inf	23.23	0.210	Inf	20.20	20.23
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	38.59	7.22770	Inf	25.18	0.329	Inf	22.25	22.08
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	38.55	7.16143	Inf	25.14	0.326	Inf	22.22	22.03
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	38.50	7.07946	Inf	25.09	0.323	Inf	22.14	22.01
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	36.73	4.70977	Inf	23.32	0.215	Inf	20.41	20.21
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	36.67	4.64515	Inf	23.26	0.212	Inf	20.33	20.17
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	36.69	4.66659	Inf	23.28	0.213	Inf	20.34	20.19

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

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **PowerAV**

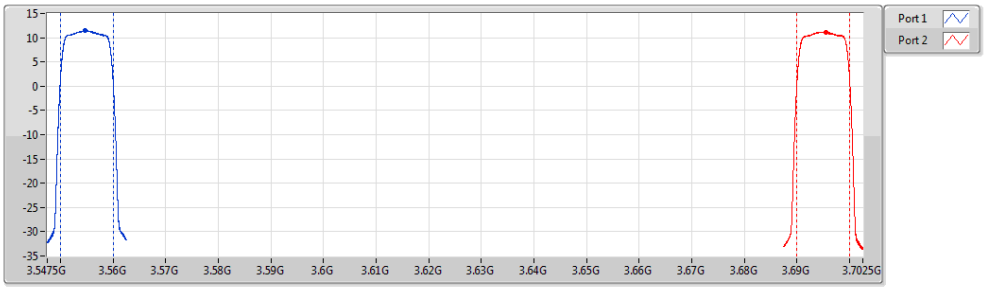
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.14	3.555G	15M	1M	3M	10	RMS	10M	1
19.94	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.05								

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **PowerAV**

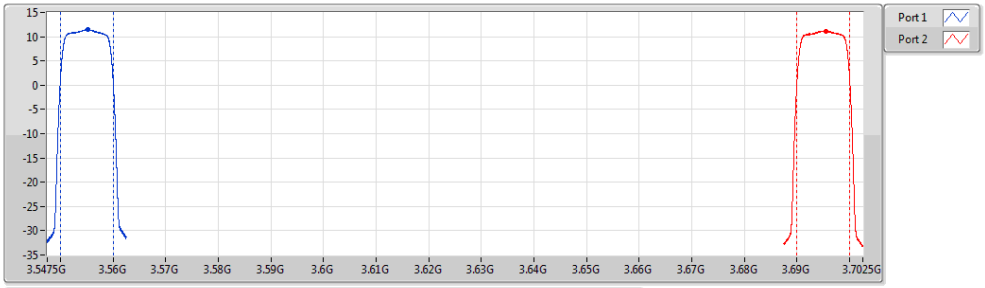
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.15	3.555G	15M	1M	3M	10	RMS	10M	1
19.95	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.06								

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **PowerAV**

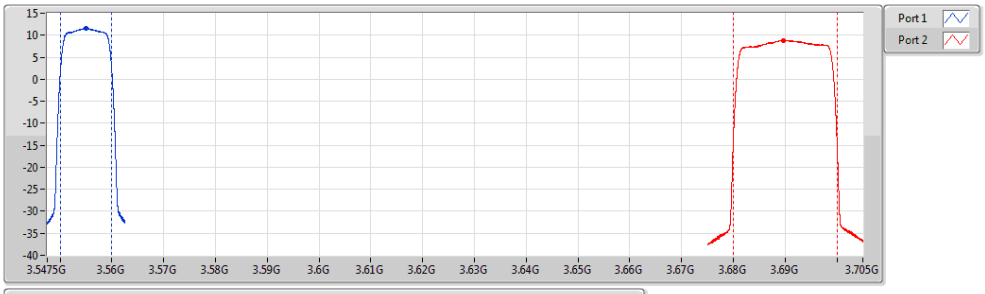
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.15	3.555G	15M	1M	3M	10	RMS	10M	1
19.95	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
23.06								

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **PowerAV**

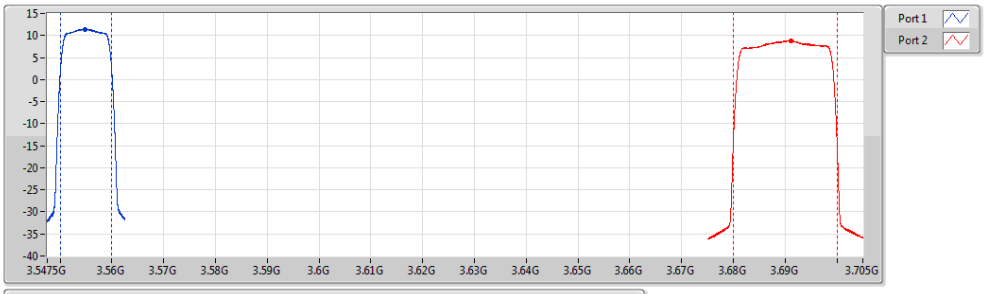
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.22	3.555G	15M	1M	3M	10	RMS	10M	1
20.32	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.28								

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **PowerAV**

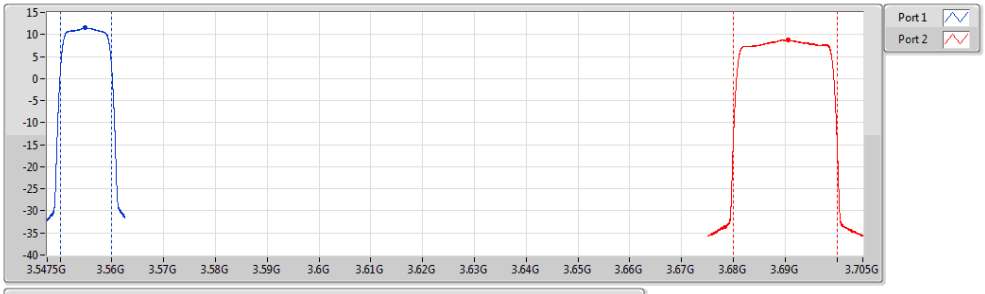
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.17	3.555G	15M	1M	3M	10	RMS	10M	1
20.21	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.20								

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **PowerAV**

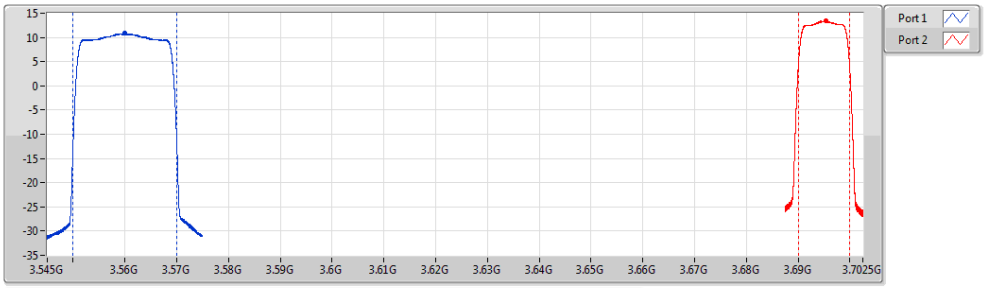
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.20	3.555G	15M	1M	3M	10	RMS	10M	1
20.23	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.23								

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **PowerAV**

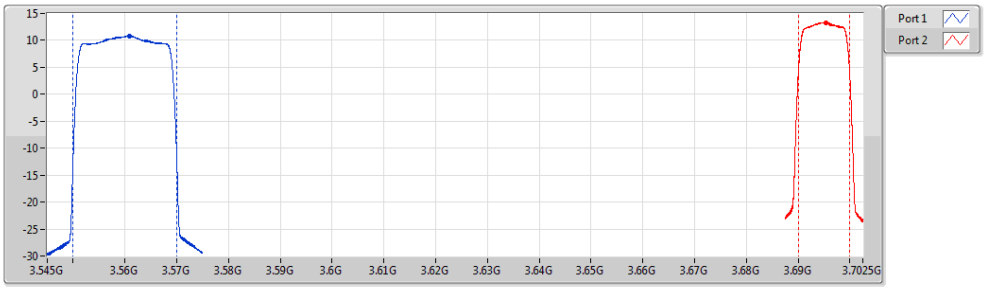
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
22.25	3.56G	30M	1M	3M	10	RMS	20M	1
22.08	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
25.18								

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **PowerAV**

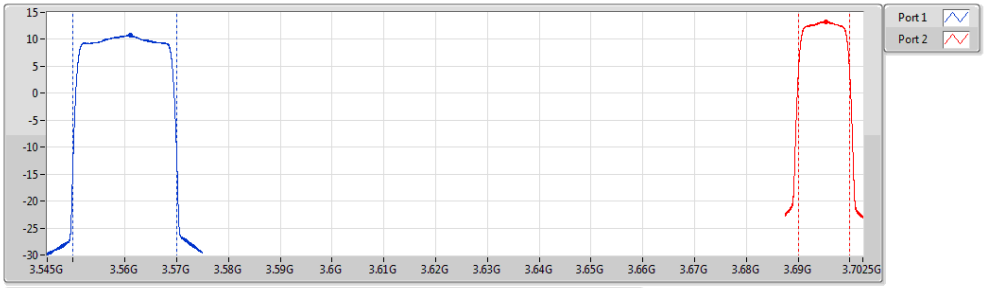
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
22.22	3.56G	30M	1M	3M	10	RMS	20M	1
22.03	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
25.14								

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **PowerAV**

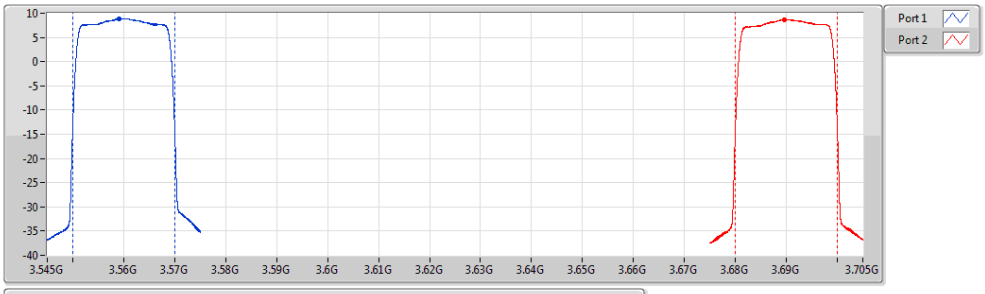
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
22.14	3.56G	30M	1M	3M	10	RMS	20M	1
22.01	3.695G	15M	1M	3M	10	RMS	10M	2
Sum(dBm)								
25.09								

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **PowerAV**

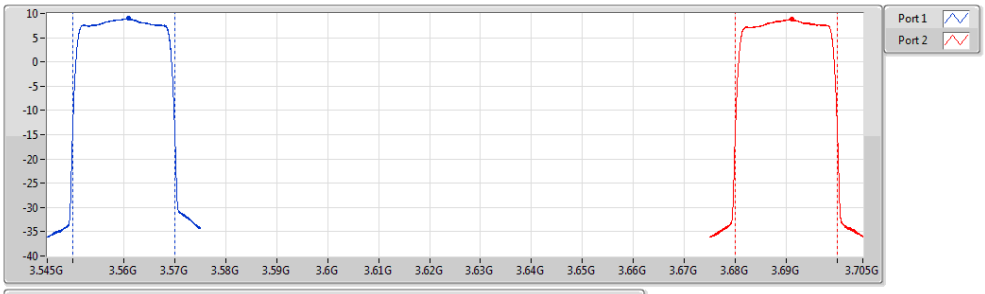
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.41	3.56G	30M	1M	3M	10	RMS	20M	1
20.21	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.32								

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **PowerAV**

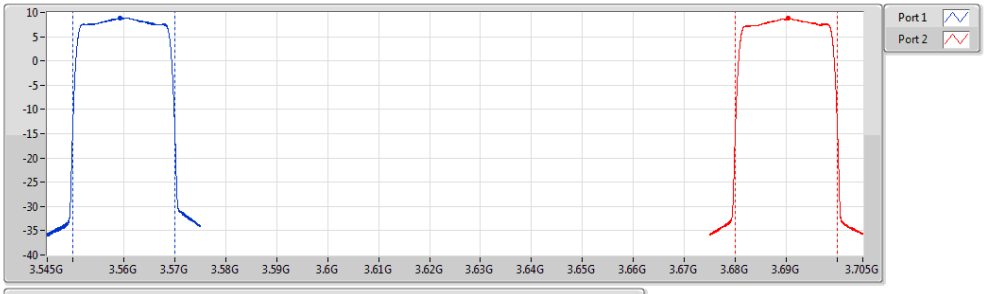
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.33	3.56G	30M	1M	3M	10	RMS	20M	1
20.17	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.26								

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **PowerAV**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



CP(dBm)	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)	Sweep(s)	Detector	CP BW(Hz)	Port
20.34	3.56G	30M	1M	3M	10	RMS	20M	1
20.19	3.69G	30M	1M	3M	10	RMS	20M	2
Sum(dBm)								
23.28								

Single-carrier
Summary

Mode	PD (dBm/MHz)	EIRP PD (dBm/MHz)
Band 48	-	-
LTE_10MHz_Nss1,QPSK_2TX	15.20	28.61
LTE_10MHz_Nss1,16QAM_2TX	14.18	27.59
LTE_10MHz_Nss1,64QAM_2TX	13.41	26.82
LTE_20MHz_Nss1,QPSK_2TX	11.70	25.11
LTE_20MHz_Nss1,16QAM_2TX	11.80	25.21
LTE_20MHz_Nss1,64QAM_2TX	10.63	24.04

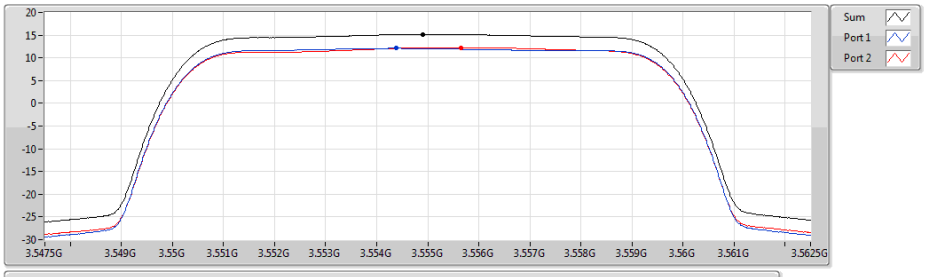
Result

Mode	Result	DG (dBi)	PD (dBm/MHz)	PD Limit (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)	Port 1 (dBm/MHz)	Port 2 (dBm/MHz)
Band 48_LTE_10MHz_Nss1_2TX	-	-	-	-	-	-	-	-
3555MHz_QPSK_RB 50,#RB 0	Pass	13.41	15.13	Inf	28.54	37.00	12.09	12.27
3625MHz_QPSK_RB 50,#RB 0	Pass	13.41	15.20	Inf	28.61	37.00	12.28	12.16
3695MHz_QPSK_RB 50,#RB 0	Pass	13.41	15.16	Inf	28.57	37.00	12.10	12.43
3555MHz_16QAM_RB 50,#RB 0	Pass	13.41	14.18	Inf	27.59	37.00	11.22	11.27
3625MHz_16QAM_RB 50,#RB 0	Pass	13.41	14.17	Inf	27.58	37.00	11.24	11.15
3695MHz_16QAM_RB 50,#RB 0	Pass	13.41	14.10	Inf	27.51	37.00	11.00	11.34
3555MHz_64QAM_RB 50,#RB 0	Pass	13.41	13.41	Inf	26.82	37.00	10.55	10.31
3625MHz_64QAM_RB 50,#RB 0	Pass	13.41	13.35	Inf	26.76	37.00	10.44	10.33
3695MHz_64QAM_RB 50,#RB 0	Pass	13.41	13.02	Inf	26.43	37.00	10.13	10.13
Band 48_LTE_20MHz_Nss1_2TX	-	-	-	-	-	-	-	-
3560MHz_QPSK_RB 100,#RB 0	Pass	13.41	11.70	Inf	25.11	37.00	8.77	8.80
3625MHz_QPSK_RB 100,#RB 0	Pass	13.41	11.59	Inf	25.00	37.00	8.77	8.62
3690MHz_QPSK_RB 100,#RB 0	Pass	13.41	11.61	Inf	25.02	37.00	8.59	8.82
3560MHz_16QAM_RB 100,#RB 0	Pass	13.41	11.80	Inf	25.21	37.00	8.75	8.99
3625MHz_16QAM_RB 100,#RB 0	Pass	13.41	11.55	Inf	24.96	37.00	8.54	8.62
3690MHz_16QAM_RB 100,#RB 0	Pass	13.41	11.50	Inf	24.91	37.00	8.30	8.89
3560MHz_64QAM_RB 100,#RB 0	Pass	13.41	10.63	Inf	24.04	37.00	7.65	7.80
3625MHz_64QAM_RB 100,#RB 0	Pass	13.41	10.58	Inf	23.99	37.00	7.69	7.62
3690MHz_64QAM_RB 100,#RB 0	Pass	13.41	10.60	Inf	24.01	37.00	7.69	7.76

DG = Directional Gain;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PSD**

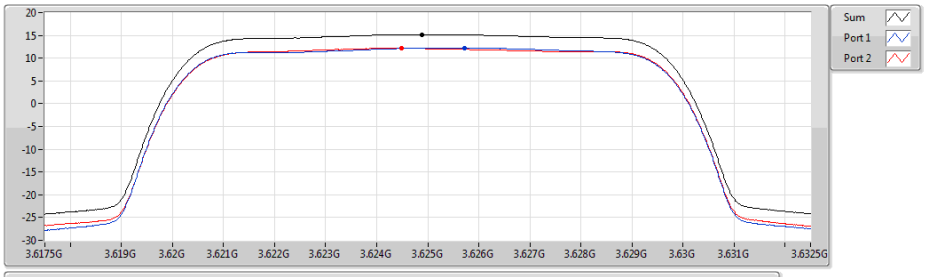
3555MHz_QPSK_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
12.09	3.555G	15M	1M	3M	10	RMS	1
12.27	3.555G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
15.13							

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PSD**

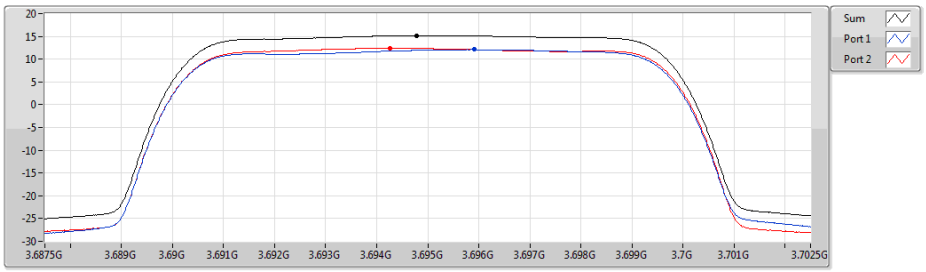
3625MHz_QPSK_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
12.28	3.625G	15M	1M	3M	10	RMS	1
12.16	3.625G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
15.20							

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PSD**

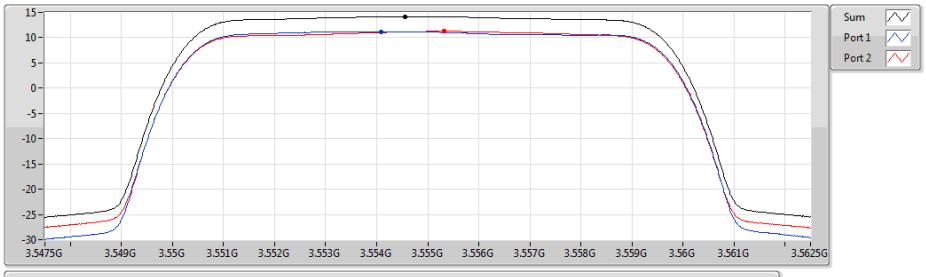
3695MHz_QPSK_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
12.10	3.695G	15M	1M	3M	10	RMS	1
12.43	3.695G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
15.16							

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PSD**

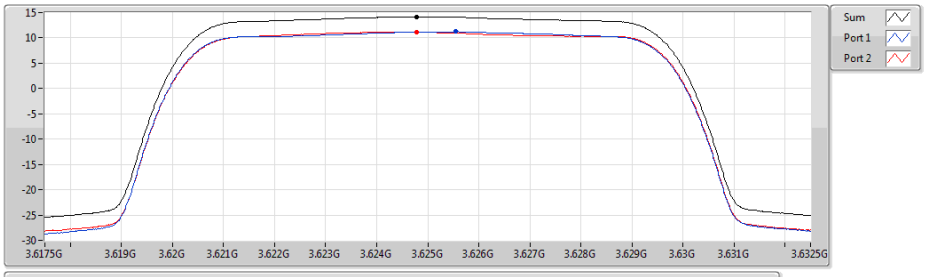
3555MHz_16QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.22	3.555G	15M	1M	3M	10	RMS	1
11.27	3.555G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
14.18							

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PSD**

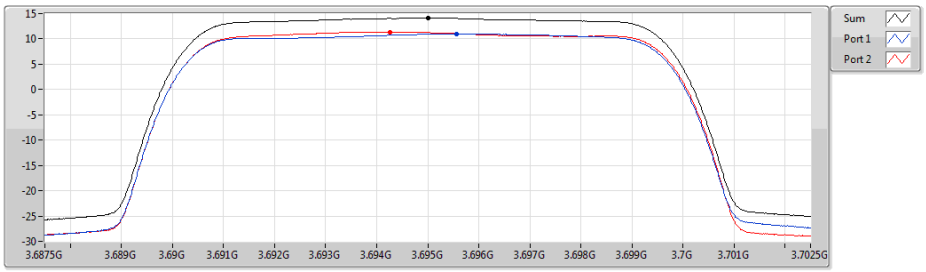
3625MHz_16QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.24	3.625G	15M	1M	3M	10	RMS	1
11.15	3.625G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
14.17							

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PSD**

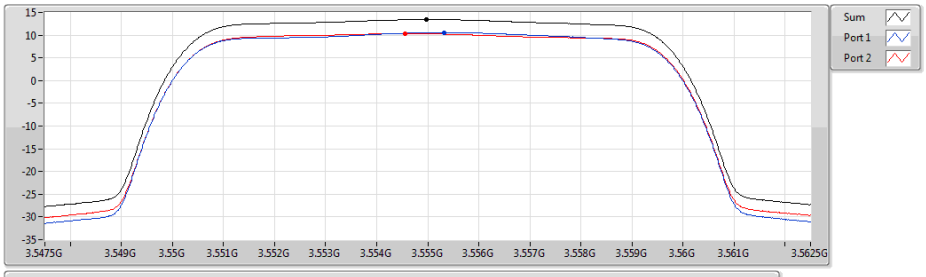
3695MHz_16QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.00	3.695G	15M	1M	3M	10	RMS	1
11.34	3.695G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
14.10							

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PSD**

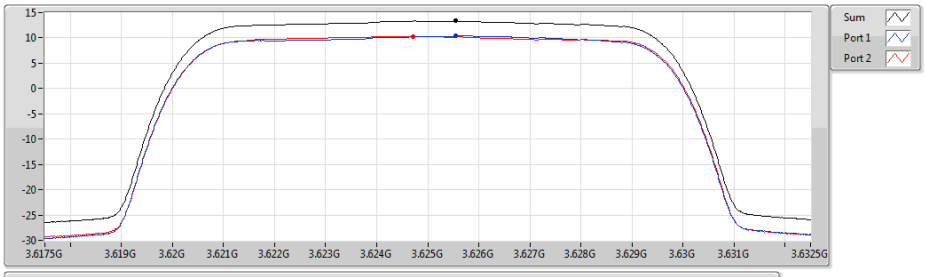
3555MHz_64QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.55	3.555G	15M	1M	3M	10	RMS	1
10.31	3.555G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.41							

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PSD**

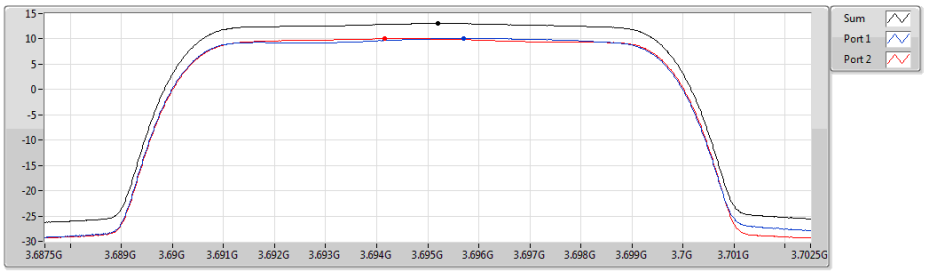
3625MHz_64QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.44	3.625G	15M	1M	3M	10	RMS	1
10.33	3.625G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.35							

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PSD**

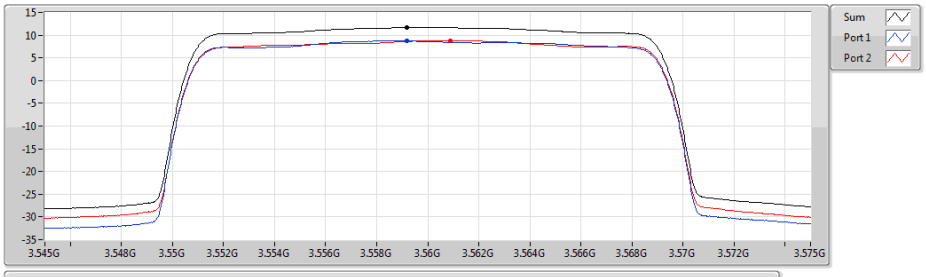
3695MHz_64QAM_RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.13	3.695G	15M	1M	3M	10	RMS	1
10.13	3.695G	15M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.02							

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PSD**

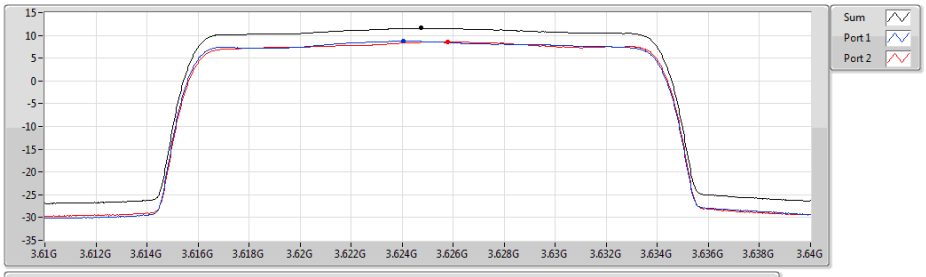
3560MHz_QPSK_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.77	3.56G	30M	1M	3M	10	RMS	1
8.80	3.56G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.70							

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PSD**

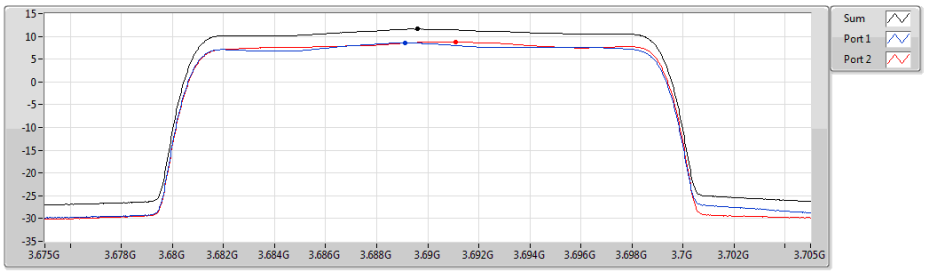
3625MHz_QPSK_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.77	3.625G	30M	1M	3M	10	RMS	1
8.62	3.625G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.59							

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PSD**

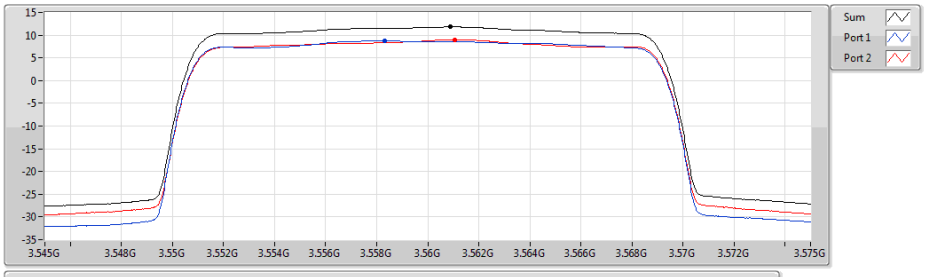
3690MHz_QPSK_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.59	3.69G	30M	1M	3M	10	RMS	1
8.82	3.69G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.61							

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PSD**

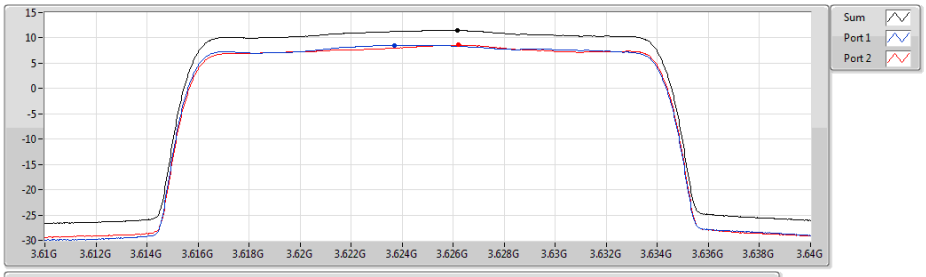
3560MHz_16QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.75	3.56G	30M	1M	3M	10	RMS	1
8.99	3.56G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.80							

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PSD**

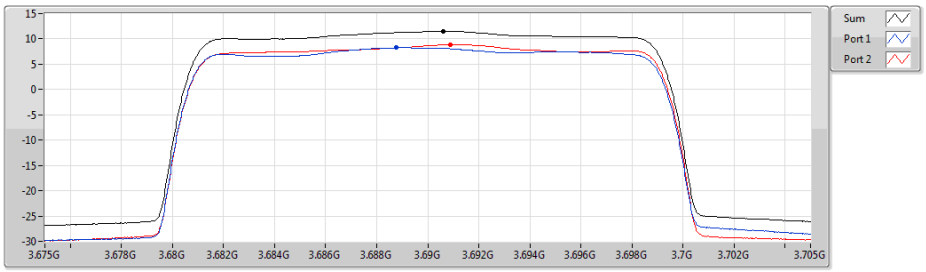
3625MHz_16QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.54	3.625G	30M	1M	3M	10	RMS	1
8.62	3.625G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.55							

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PSD**

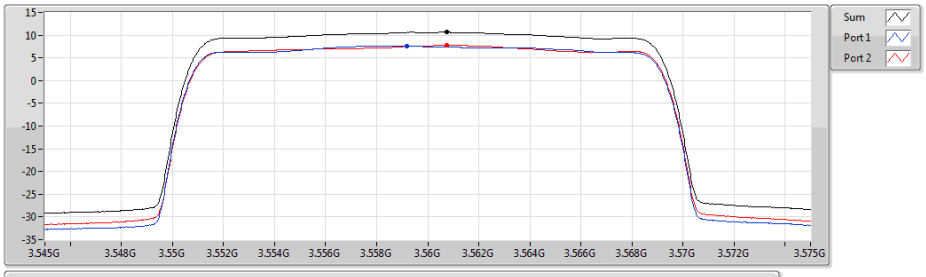
3690MHz_16QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.30	3.69G	30M	1M	3M	10	RMS	1
8.89	3.69G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.50							

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PSD**

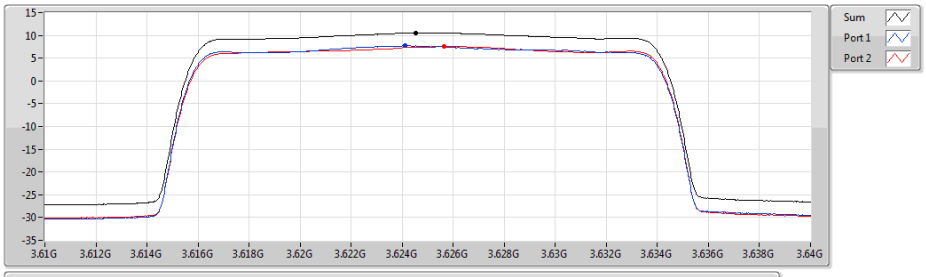
3560MHz_64QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
7.65	3.56G	30M	1M	3M	10	RMS	1
7.80	3.56G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
10.63							

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PSD**

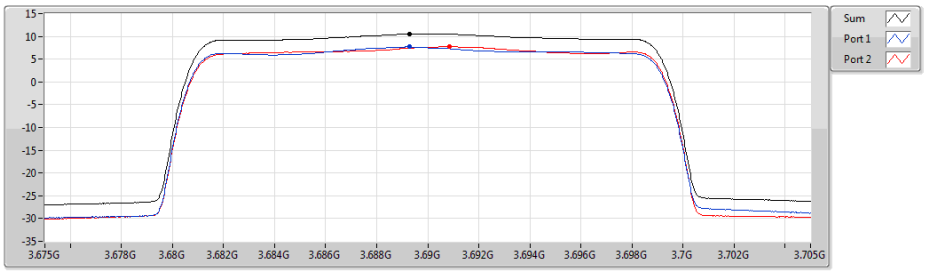
3625MHz_64QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
7.69	3.625G	30M	1M	3M	10	RMS	1
7.62	3.625G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
10.58							

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PSD**

3690MHz_64QAM_RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
7.69	3.69G	30M	1M	3M	10	RMS	1
7.76	3.69G	30M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
10.60							

Multi-carrier
Summary

Mode	PD (dBm/MHz)	EIRP PD (dBm/MHz)
Band 48	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	11.30	24.71
LTE_10MHz+10MHz_Nss1,16QAM_2TX	11.27	24.68
LTE_10MHz+10MHz_Nss1,64QAM_2TX	11.25	24.66
LTE_10MHz+20MHz_Nss1,QPSK_2TX	11.14	24.55
LTE_10MHz+20MHz_Nss1,16QAM_2TX	11.16	24.57
LTE_10MHz+20MHz_Nss1,64QAM_2TX	11.15	24.56
LTE_20MHz+10MHz_Nss1,QPSK_2TX	13.69	27.10
LTE_20MHz+10MHz_Nss1,16QAM_2TX	13.73	27.14
LTE_20MHz+10MHz_Nss1,64QAM_2TX	13.67	27.08
LTE_20MHz+20MHz_Nss1,QPSK_2TX	9.09	22.50
LTE_20MHz+20MHz_Nss1,16QAM_2TX	9.19	22.60
LTE_20MHz+20MHz_Nss1,64QAM_2TX	8.98	22.39

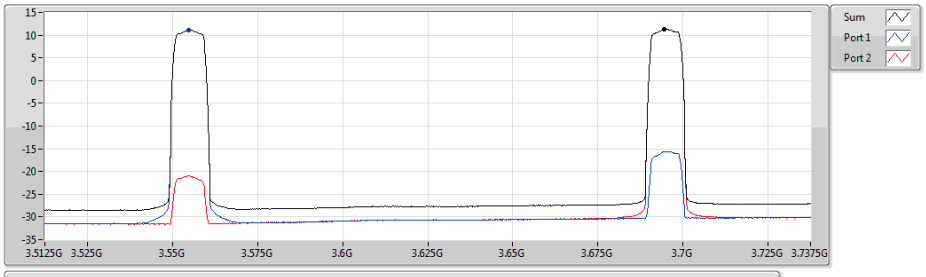
Result

Mode	Result	DG (dBi)	PD (dBm/MHz)	PD Limit (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)	1Carrier Port 1 (dBm/MHz)	2Carrier Port 2 (dBm/MHz)
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	11.30	Inf	24.71	37.00	11.12	11.29
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	11.27	Inf	24.68	37.00	11.13	11.26
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	13.41	11.25	Inf	24.66	37.00	11.17	11.24
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	11.14	Inf	24.55	37.00	11.14	8.74
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	11.16	Inf	24.57	37.00	11.16	8.84
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	13.41	11.15	Inf	24.56	37.00	11.15	8.90
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	13.69	Inf	27.10	37.00	10.64	13.68
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	13.73	Inf	27.14	37.00	10.74	13.72
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	13.41	13.67	Inf	27.08	37.00	10.68	13.66
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	9.09	Inf	22.50	37.00	8.71	9.09
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	9.19	Inf	22.60	37.00	8.75	9.18
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	13.41	8.98	Inf	22.39	37.00	8.74	8.97

DG = Directional Gain;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **PSD**

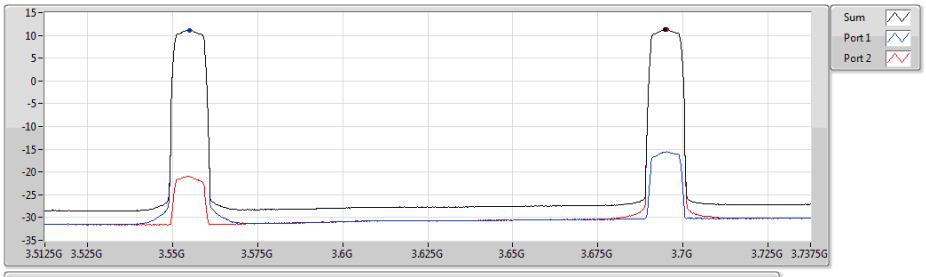
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.12	3.625G	225M	1M	3M	10	RMS	1
11.29	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.30							

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **PSD**

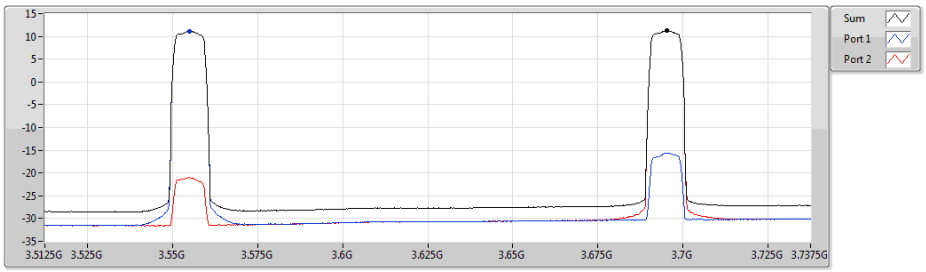
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.13	3.625G	225M	1M	3M	10	RMS	1
11.26	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.27							

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **PSD**

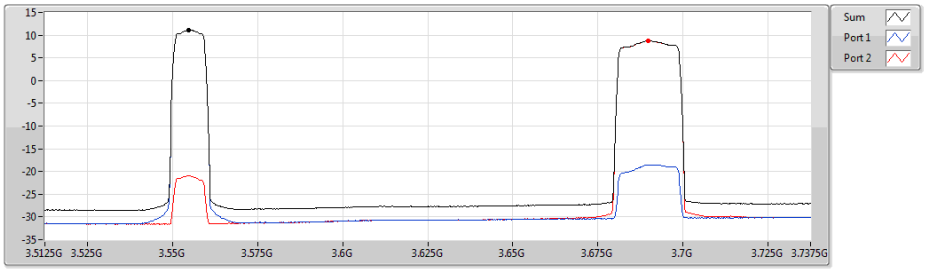
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.17	3.625G	225M	1M	3M	10	RMS	1
11.24	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.25							

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **PSD**

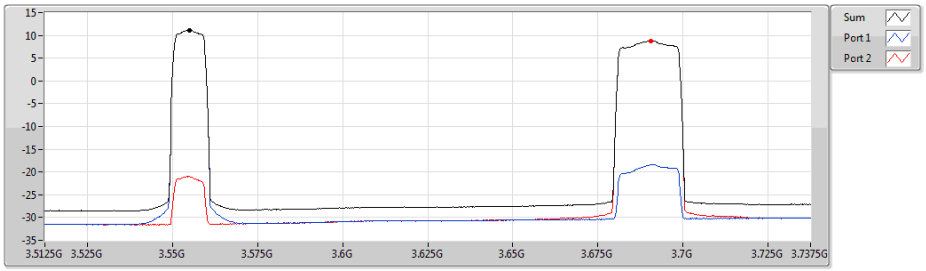
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.14	3.625G	225M	1M	3M	10	RMS	1
8.74	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.14							

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **PSD**

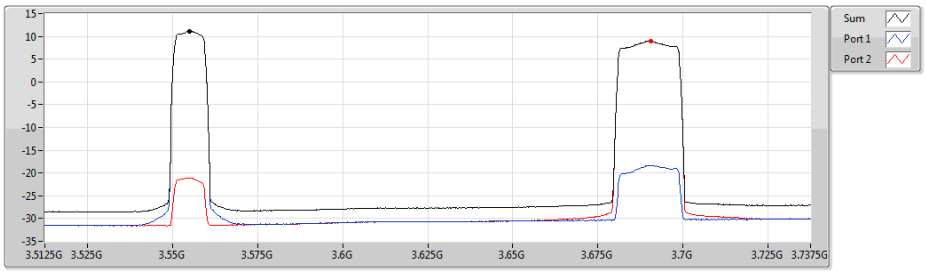
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.16	3.625G	225M	1M	3M	10	RMS	1
8.84	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.16							

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **PSD**

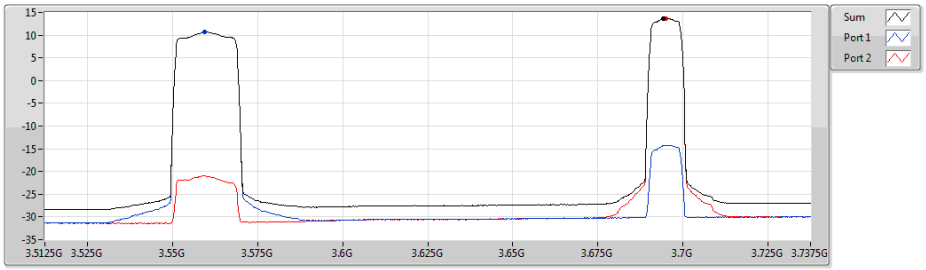
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
11.15	3.625G	225M	1M	3M	10	RMS	1
8.90	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
11.15							

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **PSD**

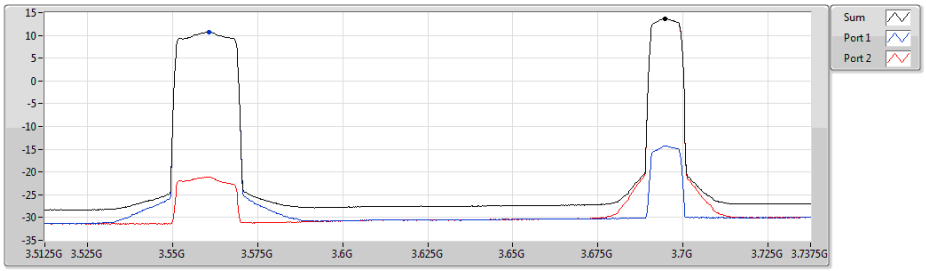
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.64	3.625G	225M	1M	3M	10	RMS	1
13.68	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.69							

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **PSD**

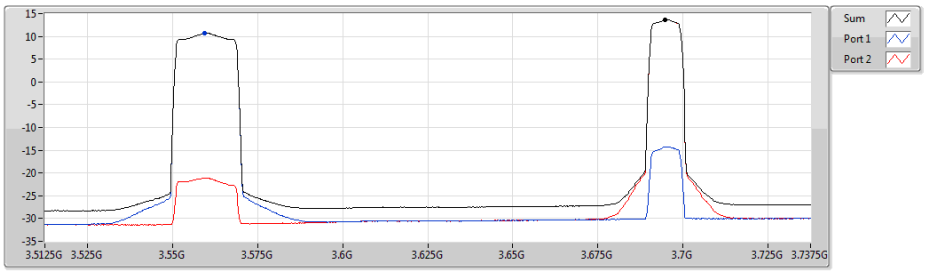
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.74	3.625G	225M	1M	3M	10	RMS	1
13.72	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.73							

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **PSD**

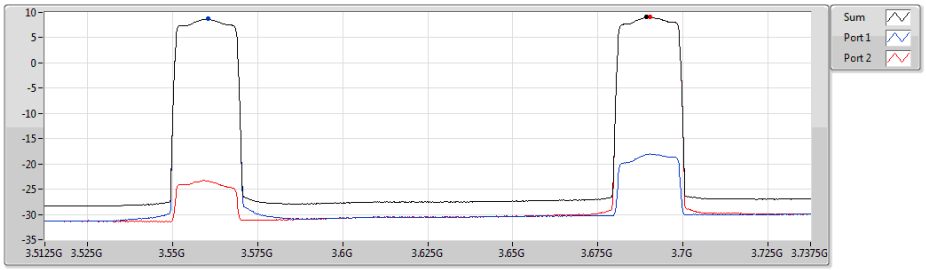
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
10.68	3.625G	225M	1M	3M	10	RMS	1
13.66	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
13.67							

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **PSD**

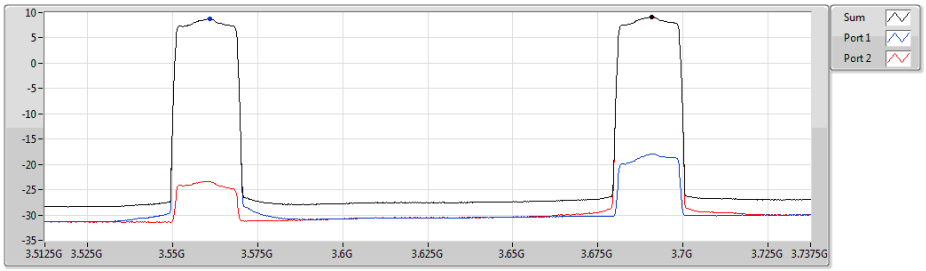
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.71	3.625G	225M	1M	3M	10	RMS	1
9.09	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
9.09							

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **PSD**

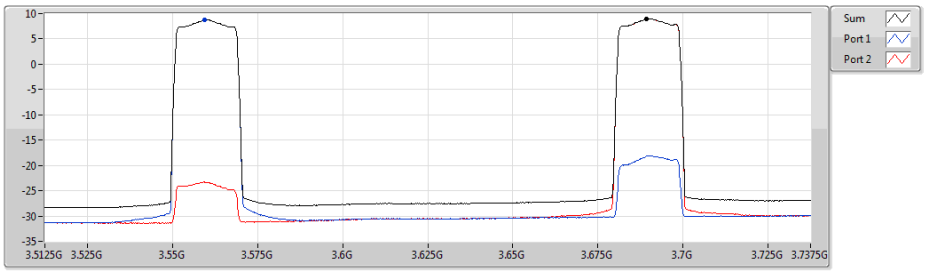
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.75	3.625G	225M	1M	3M	10	RMS	1
9.18	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
9.19							

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **PSD**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
(dBm/MHz)	(Hz)	(Hz)	(Hz)	(Hz)	(s)		
8.74	3.625G	225M	1M	3M	10	RMS	1
8.97	3.625G	225M	1M	3M	10	RMS	2
Sum PD							
(dBm/MHz)							
8.98							

Test Result of Radiated Emissions below 1GHz (CDD Mode)

Mode	LTE Band 48, QPSK, CB:10 MHz, 50 RB Offset 0, Channel: 55290						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
60.55	H	-62.54	-40.00	-22.54	-61.72	-48.73	-13.81
94.88	H	-62.93	-40.00	-22.93	-59.23	-58.22	-4.71
165.24	H	-62.87	-40.00	-22.87	-60.86	-56.84	-6.03
249.77	H	-57.22	-40.00	-17.22	-56.45	-55.87	-1.35
375.22	H	-65.20	-40.00	-25.20	-65.74	-63.87	-1.33
750.33	H	-58.54	-40.00	-18.54	-65.99	-56.29	-2.25
35.88	V	-56.92	-40.00	-16.92	-55.18	-38.74	-18.18
60.32	V	-56.47	-40.00	-16.47	-54.73	-42.59	-13.88
158.25	V	-57.21	-40.00	-17.21	-60.58	-50.74	-6.47
250.03	V	-64.29	-40.00	-24.29	-63.55	-62.95	-1.34
372.58	V	-62.63	-40.00	-22.63	-65.60	-61.31	-1.32
749.47	V	-61.80	-40.00	-21.80	-71.44	-59.55	-2.25

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

Mode	LTE Band 48, QPSK, CB:20 MHz, 100 RB Offset 0, Channel: 55340						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
61.27	H	-61.77	-40.00	-21.77	-60.80	-48.19	-13.58
95.22	H	-61.36	-40.00	-21.36	-57.63	-56.64	-4.72
164.83	H	-61.63	-40.00	-21.63	-59.64	-55.57	-6.06
249.57	H	-56.33	-40.00	-16.33	-55.55	-54.98	-1.35
374.55	H	-64.85	-40.00	-24.85	-65.38	-63.52	-1.33
751.22	H	-57.16	-40.00	-17.16	-64.62	-54.91	-2.25
36.24	V	-56.42	-40.00	-16.42	-54.65	-38.28	-18.14
60.24	V	-55.92	-40.00	-15.92	-54.17	-42.02	-13.90
157.69	V	-56.80	-40.00	-16.80	-60.18	-50.31	-6.49
251.15	V	-63.74	-40.00	-23.74	-63.03	-62.40	-1.34
371.70	V	-61.82	-40.00	-21.82	-65.78	-60.50	-1.32
750.31	V	-60.85	-40.00	-20.85	-70.50	-58.60	-2.25

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

Test Result of Radiated Emissions above 1GHz (CDD Mode)

Mode	LTE Band 48, QPSK, CB:10 MHz, 50 RB Offset 0, Channel: 55290						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7110.00	H	-49.34	-40.00	-9.34	-68.33	-52.59	3.25
10665.00	H	-50.18	-40.00	-10.18	-72.42	-50.46	0.28
14220.00	H	-48.79	-40.00	-8.79	-72.12	-48.87	0.08
7110.00	V	-49.98	-40.00	-9.98	-69.85	-53.23	3.25
10665.00	V	-51.95	-40.00	-11.95	-73.54	-52.23	0.28
14220.00	V	-49.16	-40.00	-9.16	-73.86	-49.24	0.08

Mode	LTE Band 48, QPSK, CB:10 MHz, 50 RB Offset 0, Channel: 55990						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7250.00	H	-48.94	-40.00	-8.94	-68.23	-51.86	2.92
10875.00	H	-50.03	-40.00	-10.03	-72.26	-50.11	0.08
14500.00	H	-49.92	-40.00	-9.92	-72.05	-49.41	-0.51
7250.00	V	-49.36	-40.00	-9.36	-69.77	-52.28	2.92
10875.00	V	-51.63	-40.00	-11.63	-73.33	-51.71	0.08
14500.00	V	-49.14	-40.00	-9.14	-73.52	-48.63	-0.51

Mode	LTE Band 48, QPSK, CB:10 MHz, 50 RB Offset 0, Channel: 56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7390.00	H	-48.38	-40.00	-8.38	-68.44	-51.37	2.99
11085.00	H	-50.30	-40.00	-10.30	-72.59	-50.37	0.07
14780.00	H	-49.76	-40.00	-9.76	-72.64	-49.50	-0.26
7390.00	V	-49.06	-40.00	-9.06	-69.70	-52.05	2.99
11085.00	V	-51.56	-40.00	-11.56	-73.60	-51.63	0.07
14780.00	V	-47.76	-40.00	-7.76	-73.63	-47.50	-0.26

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

Mode	LTE Band 48, QPSK, CB:20 MHz, 100 RB Offset 0, Channel: 55340						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7120.00	H	-50.95	-40.00	-10.95	-69.94	-54.16	3.21
10680.00	H	-50.63	-40.00	-10.63	-72.86	-50.90	0.27
14240.00	H	-49.51	-40.00	-9.51	-72.75	-49.55	0.04
7120.00	V	-49.93	-40.00	-9.93	-69.85	-53.14	3.21
10680.00	V	-52.02	-40.00	-12.02	-73.62	-52.29	0.27
14240.00	V	-49.05	-40.00	-9.05	-73.72	-49.09	0.04

Mode	LTE Band 48, QPSK, CB:20 MHz, 100 RB Offset 0, Channel: 55990						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7250.00	H	-50.60	-40.00	-10.60	-69.89	-53.52	2.92
10875.00	H	-50.46	-40.00	-10.46	-72.69	-50.54	0.08
14500.00	H	-50.50	-40.00	-10.50	-72.63	-49.99	-0.51
7250.00	V	-49.58	-40.00	-9.58	-69.99	-52.50	2.92
10875.00	V	-52.05	-40.00	-12.05	-73.75	-52.13	0.08
14500.00	V	-49.50	-40.00	-9.50	-73.88	-48.99	-0.51

Mode	LTE Band 48, QPSK, CB:20 MHz, 100 RB Offset 0, Channel: 56640						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7380.00	H	-49.90	-40.00	-9.90	-69.90	-52.88	2.98
11070.00	H	-50.60	-40.00	-10.60	-72.88	-50.65	0.05
14760.00	H	-49.70	-40.00	-9.70	-72.52	-49.42	-0.28
7380.00	V	-49.21	-40.00	-9.21	-69.83	-52.19	2.98
11070.00	V	-51.84	-40.00	-11.84	-73.82	-51.89	0.05
14760.00	V	-48.16	-40.00	-8.16	-73.92	-47.88	-0.28

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

Test Result of Radiated Emissions below 1GHz (CA Mode)

Mode	LTE Band 48, 64QAM, CB:10+10 MHz, 50+50 RB Offset 0, Channel: 55290+56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
61.45	H	-63.53	-40.00	-23.53	-62.52	-50.01	-13.52
95.25	H	-63.39	-40.00	-23.39	-59.65	-58.67	-4.72
164.25	H	-62.37	-40.00	-22.37	-60.41	-56.27	-6.10
249.58	H	-57.99	-40.00	-17.99	-57.21	-56.64	-1.35
374.55	H	-64.70	-40.00	-24.70	-65.23	-63.37	-1.33
749.85	H	-60.80	-40.00	-20.80	-68.24	-58.55	-2.25
36.98	V	-56.35	-40.00	-16.35	-54.53	-38.31	-18.04
60.25	V	-56.97	-40.00	-16.97	-55.22	-43.07	-13.90
157.87	V	-57.33	-40.00	-17.33	-60.71	-50.85	-6.48
250.14	V	-64.89	-40.00	-24.89	-64.15	-63.55	-1.34
373.63	V	-62.12	-40.00	-22.12	-65.09	-60.80	-1.32
749.52	V	-61.58	-40.00	-21.58	-71.22	-59.33	-2.25

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

Mode	LTE Band 48, QPSK, CB:10+20 MHz, 50+100 RB Offset 0, Channel: 55290+56640						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
60.93	H	-62.62	-40.00	-22.62	-61.72	-48.93	-13.69
96.11	H	-62.87	-40.00	-22.87	-58.94	-58.09	-4.78
165.24	H	-61.47	-40.00	-21.47	-59.46	-55.44	-6.03
248.75	H	-56.82	-40.00	-16.82	-55.99	-55.44	-1.38
375.25	H	-63.85	-40.00	-23.85	-64.39	-62.52	-1.33
750.15	H	-61.21	-40.00	-21.21	-68.65	-58.96	-2.25
36.77	V	-55.44	-40.00	-15.44	-53.63	-37.37	-18.07
59.87	V	-55.85	-40.00	-15.85	-54.09	-41.84	-14.01
156.58	V	-56.92	-40.00	-16.92	-60.33	-50.41	-6.51
249.52	V	-63.77	-40.00	-23.77	-63.04	-62.41	-1.36
372.55	V	-61.75	-40.00	-21.75	-64.72	-60.43	-1.32
750.63	V	-60.63	-40.00	-20.63	-70.29	-58.38	-2.25

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

Mode	LTE Band 48, 64QAM, CB:20+10 MHz, 100+50 RB Offset 0, Channel: 55340+56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
60.93	H	-62.94	-40.00	-22.94	-62.04	-49.25	-13.69
94.89	H	-62.45	-40.00	-22.45	-58.75	-57.74	-4.71
165.14	H	-61.81	-40.00	-21.81	-59.81	-55.78	-6.03
248.75	H	-56.85	-40.00	-16.85	-56.02	-55.47	-1.38
375.44	H	-63.89	-40.00	-23.89	-64.43	-62.56	-1.33
750.69	H	-59.84	-40.00	-19.84	-67.29	-57.59	-2.25
35.45	V	-55.47	-40.00	-15.47	-53.76	-37.24	-18.23
59.63	V	-55.85	-40.00	-15.85	-54.09	-41.78	-14.07
156.77	V	-56.22	-40.00	-16.22	-59.62	-49.71	-6.51
251.23	V	-63.95	-40.00	-23.95	-63.24	-62.61	-1.34
372.54	V	-61.85	-40.00	-21.85	-64.82	-60.53	-1.32
749.85	V	-60.63	-40.00	-20.63	-70.28	-58.38	-2.25

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

Mode	LTE Band 48, 64QAM, CB:20+20 MHz, 100+100 RB Offset 0, Channel: 55340+56640						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
61.22	H	-62.58	-40.00	-22.58	-61.62	-48.98	-13.60
95.11	H	-63.21	-40.00	-23.21	-59.51	-58.50	-4.71
165.44	H	-61.98	-40.00	-21.98	-59.96	-55.97	-6.01
249.69	H	-58.33	-40.00	-18.33	-57.56	-56.98	-1.35
373.85	H	-64.58	-40.00	-24.58	-65.11	-63.25	-1.33
749.24	H	-59.20	-40.00	-19.20	-66.63	-56.96	-2.24
37.45	V	-55.72	-40.00	-15.72	-53.86	-37.73	-17.99
59.85	V	-55.82	-40.00	-15.82	-54.06	-41.80	-14.02
156.94	V	-56.72	-40.00	-16.72	-60.12	-50.21	-6.51
249.72	V	-63.97	-40.00	-23.97	-63.24	-62.62	-1.35
372.54	V	-61.58	-40.00	-21.58	-64.55	-60.26	-1.32
750.33	V	-60.69	-40.00	-20.69	-70.34	-58.44	-2.25

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

Test Result of Radiated Emissions above 1GHz (CA Mode)

Mode	LTE Band 48, 64QAM, CB:10+10 MHz, 50+50 RB Offset 0, Channel: 55290+56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7110.00	H	-49.59	-40.00	-9.59	-68.58	-52.84	3.25
7390.00	H	-46.98	-40.00	-6.98	-67.04	-49.97	2.99
10665.00	H	-50.43	-40.00	-10.43	-72.67	-50.71	0.28
11085.00	H	-48.98	-40.00	-8.98	-71.27	-49.05	0.07
14220.00	H	-48.90	-40.00	-8.90	-72.23	-48.98	0.08
14780.00	H	-48.24	-40.00	-8.24	-71.12	-47.98	-0.26
7110.00	V	-50.12	-40.00	-10.12	-69.99	-53.37	3.25
7390.00	V	-47.75	-40.00	-7.75	-68.39	-50.74	2.99
10665.00	V	-51.85	-40.00	-11.85	-73.44	-52.13	0.28
11085.00	V	-50.30	-40.00	-10.30	-72.34	-50.37	0.07
14220.00	V	-49.26	-40.00	-9.26	-73.96	-49.34	0.08
14780.00	V	-46.71	-40.00	-6.71	-72.58	-46.45	-0.26

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

Mode	LTE Band 48, QPSK, CB:10+20 MHz, 50+100 RB Offset 0, Channel: 55290+56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7110.00	H	-49.67	-40.00	-9.67	-68.66	-52.92	3.25
7380.00	H	-47.25	-40.00	-7.25	-67.25	-50.23	2.98
10665.00	H	-50.63	-40.00	-10.63	-72.87	-50.91	0.28
11070.00	H	-49.05	-40.00	-9.05	-71.33	-49.10	0.05
14220.00	H	-49.31	-40.00	-9.31	-72.64	-49.39	0.08
14760.00	H	-48.53	-40.00	-8.53	-71.35	-48.25	-0.28
7110.00	V	-49.61	-40.00	-9.61	-69.48	-52.86	3.25
7380.00	V	-47.59	-40.00	-7.59	-68.21	-50.57	2.98
10665.00	V	-51.66	-40.00	-11.66	-73.25	-51.94	0.28
11070.00	V	-49.99	-40.00	-9.99	-71.97	-50.04	0.05
14220.00	V	-48.73	-40.00	-8.73	-73.43	-48.81	0.08
14760.00	V	-46.38	-40.00	-6.38	-72.14	-46.10	-0.28

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

Mode	LTE Band 48, 64QAM, CB:20+10 MHz, 100+50 RB Offset 0, Channel: 55340+56690						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7120.00	H	-49.77	-40.00	-9.77	-68.76	-52.98	3.21
7390.00	H	-46.99	-40.00	-6.99	-67.05	-49.98	2.99
10680.00	H	-50.59	-40.00	-10.59	-72.82	-50.86	0.27
11085.00	H	-48.96	-40.00	-8.96	-71.25	-49.03	0.07
14240.00	H	-49.39	-40.00	-9.39	-72.63	-49.43	0.04
14780.00	H	-48.46	-40.00	-8.46	-71.34	-48.20	-0.26
7120.00	V	-49.85	-40.00	-9.85	-69.77	-53.06	3.21
7390.00	V	-47.60	-40.00	-7.60	-68.24	-50.59	2.99
10680.00	V	-51.98	-40.00	-11.98	-73.58	-52.25	0.27
11085.00	V	-49.71	-40.00	-9.71	-71.75	-49.78	0.07
14240.00	V	-48.69	-40.00	-8.69	-73.36	-48.73	0.04
14780.00	V	-46.35	-40.00	-6.35	-72.22	-46.09	-0.26

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

Mode	LTE Band 48, 64QAM, CB:20+20 MHz, 100+100 RB Offset 0, Channel: 55340+56640						
Frequency (MHz)	**Antenna Polarity**	**E.I.R.P (dBm)**	**Limit (dBm)**	**Margin (dB)**	**S.A Reading (dBm)**	**S.G Power Value (dBm)**	**Correction Factor (dB)**
7120.00	H	-49.88	-40.00	-9.88	-68.87	-53.09	3.21
7380.00	H	-47.11	-40.00	-7.11	-67.11	-50.09	2.98
10680.00	H	-50.72	-40.00	-10.72	-72.95	-50.99	0.27
11070.00	H	-49.30	-40.00	-9.30	-71.58	-49.35	0.05
14240.00	H	-49.64	-40.00	-9.64	-72.88	-49.68	0.04
14760.00	H	-48.76	-40.00	-8.76	-71.58	-48.48	-0.28
7120.00	V	-49.93	-40.00	-9.93	-69.85	-53.14	3.21
7380.00	V	-47.74	-40.00	-7.74	-68.36	-50.72	2.98
10680.00	V	-52.13	-40.00	-12.13	-73.73	-52.40	0.27
11070.00	V	-49.86	-40.00	-9.86	-71.84	-49.91	0.05
14240.00	V	-48.99	-40.00	-8.99	-73.66	-49.03	0.04
14760.00	V	-46.60	-40.00	-6.60	-72.36	-46.32	-0.28

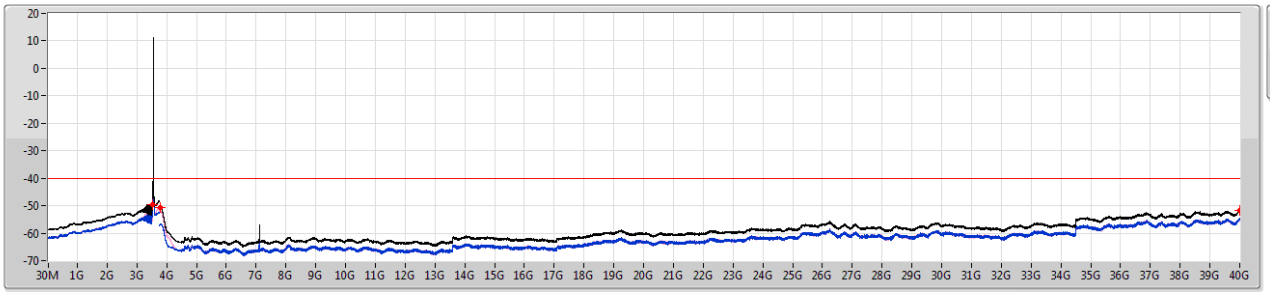
NOTE: EIRP = S.G power value + correction factor

Single-carrier
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 48	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	Pass	30M	3.51G	1M	3M	RMS	3.51G	-49.64	-40.00	-9.64	-	-
LTE_10MHz_Nss1,16QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.44736G	-50.41	-40.00	-10.41	-	-
LTE_10MHz_Nss1,64QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.42126G	-50.97	-40.00	-10.97	-	-
LTE_20MHz_Nss1,QPSK_2TX	Pass	30M	3.51G	1M	3M	RMS	3.50348G	-50.35	-40.00	-10.35	-	-
LTE_20MHz_Nss1,16QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.50913G	-49.80	-40.00	-9.80	-	-
LTE_20MHz_Nss1,64QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.5087G	-50.02	-40.00	-10.02	-	-

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

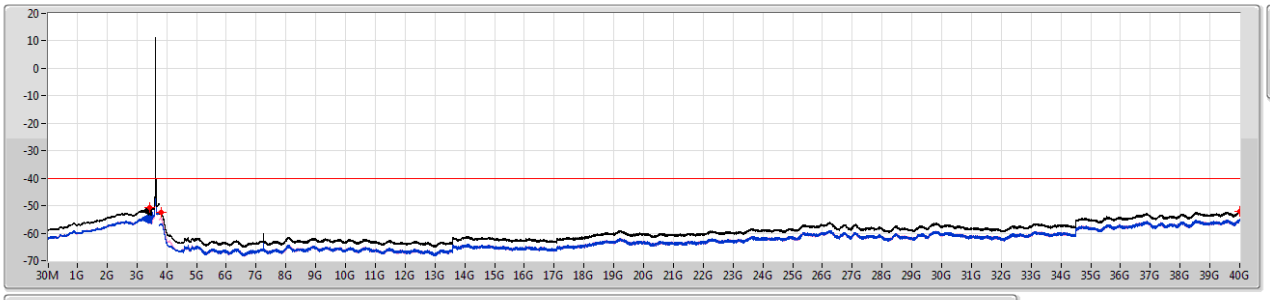
3555MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.51G	-49.64	-40.00	-9.64	-	-	-52.84	-52.46
3.75G	4.5G	1M	3M	RMS	3.77475G	-50.53	-40.00	-10.53	-	-	-56.96	-51.65
4.5G	40G	1M	3M	RMS	39.99223G	-51.68	-40.00	-11.68	-	-	-54.67	-54.72

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

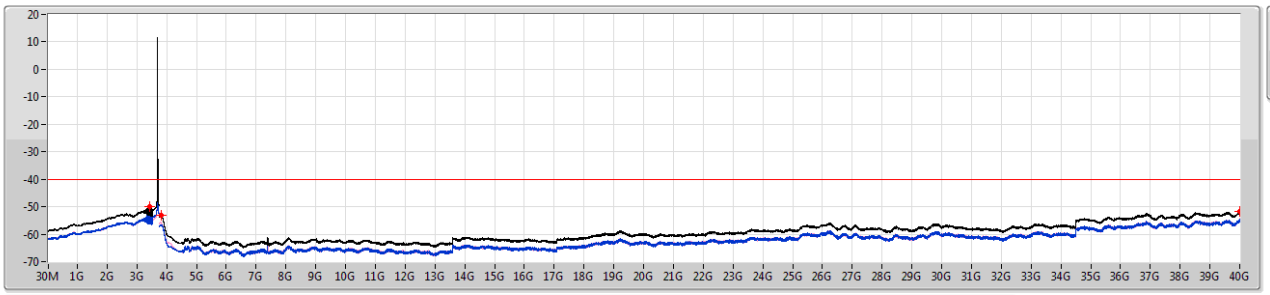
3625MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43301G	-50.73	-40.00	-10.73	-	-	-53.58	-53.90
3.75G	4.5G	1M	3M	RMS	3.80063G	-52.48	-40.00	-12.48	-	-	-56.60	-54.61
4.5G	40G	1M	3M	RMS	39.98669G	-52.07	-40.00	-12.07	-	-	-55.01	-55.15

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

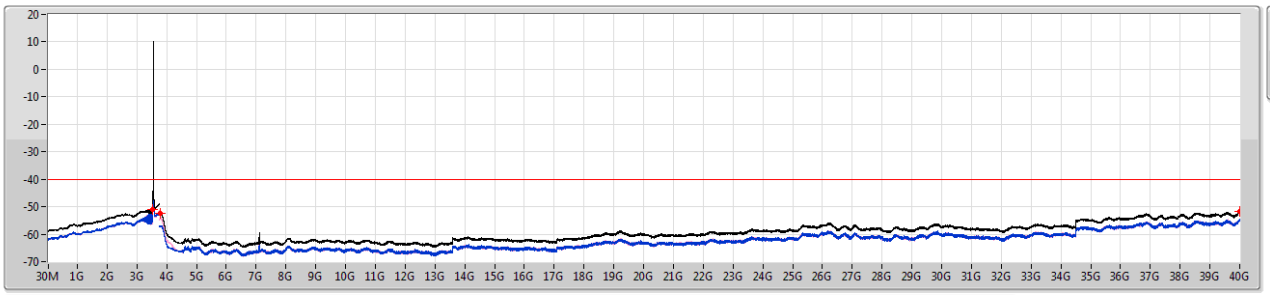
3695MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43953G	-50.10	-40.00	-10.10	-	-	-52.23	-54.22
3.75G	4.5G	1M	3M	RMS	3.81375G	-53.17	-40.00	-13.17	-	-	-56.65	-55.75
4.5G	40G	1M	3M	RMS	40G	-51.69	-40.00	-11.69	-	-	-55.14	-54.30

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

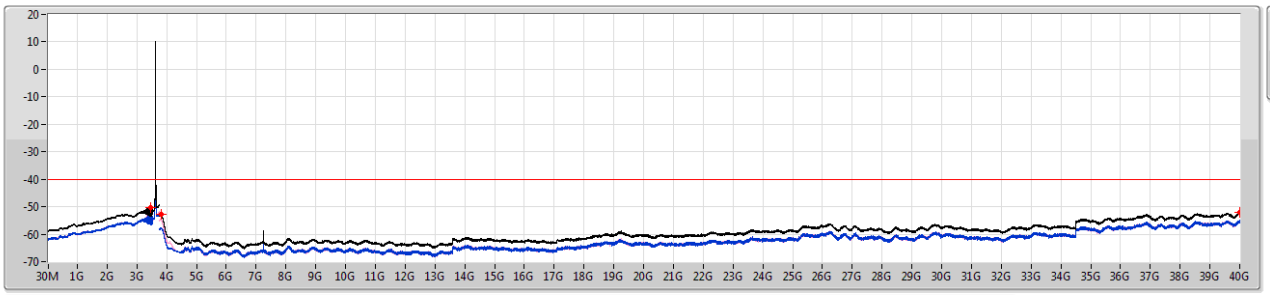
3555MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.51G	-50.93	-40.00	-10.93	-	-	-52.46	-56.22
3.75G	4.5G	1M	3M	RMS	3.79688G	-52.32	-40.00	-12.32	-	-	-57.02	-54.11
4.5G	40G	1M	3M	RMS	39.99445G	-51.77	-40.00	-11.77	-	-	-54.65	-54.92

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

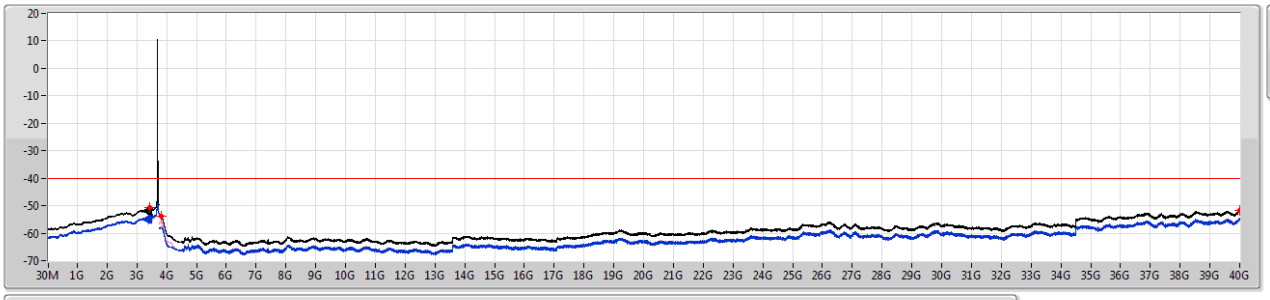
3625MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.44736G	-50.41	-40.00	-10.41	-	-	-53.10	-53.76
3.75G	4.5G	1M	3M	RMS	3.80438G	-52.90	-40.00	-12.90	-	-	-57.81	-54.59
4.5G	40G	1M	3M	RMS	39.99445G	-51.95	-40.00	-11.95	-	-	-54.98	-54.94

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

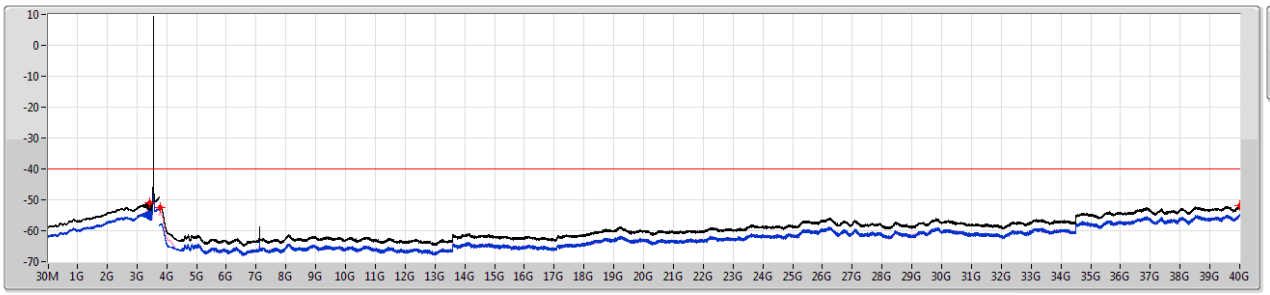
3695MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.44171G	-50.70	-40.00	-10.70	-	-	-53.36	-54.09
3.75G	4.5G	1M	3M	RMS	3.807G	-53.75	-40.00	-13.75	-	-	-57.97	-55.81
4.5G	40G	1M	3M	RMS	40G	-51.68	-40.00	-11.68	-	-	-54.91	-54.49

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

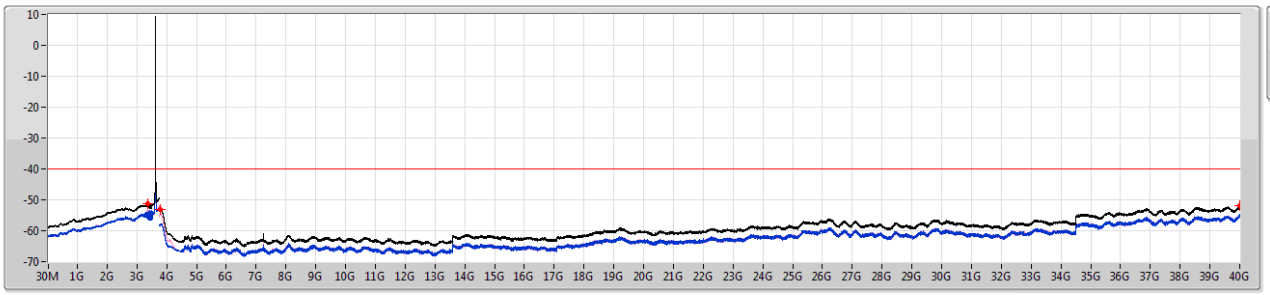
3555MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43692G	-50.99	-40.00	-10.99	-	-	-53.53	-54.52
3.75G	4.5G	1M	3M	RMS	3.7845G	-52.62	-40.00	-12.62	-	-	-57.91	-54.15
4.5G	40G	1M	3M	RMS	39.99889G	-51.74	-40.00	-11.74	-	-	-54.67	-54.83

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

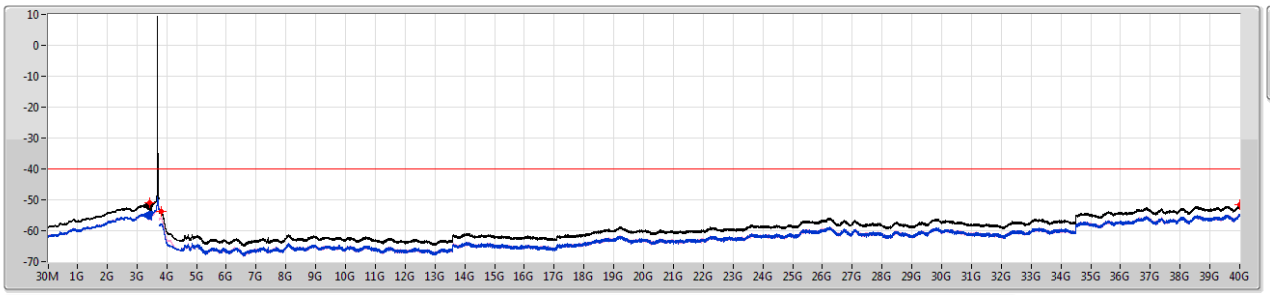
3625MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.34818G	-51.30	-40.00	-11.30	-	-	-55.94	-53.13
3.75G	4.5G	1M	3M	RMS	3.79238G	-53.01	-40.00	-13.01	-	-	-58.00	-54.67
4.5G	40G	1M	3M	RMS	39.99778G	-51.90	-40.00	-11.90	-	-	-54.82	-55.00

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

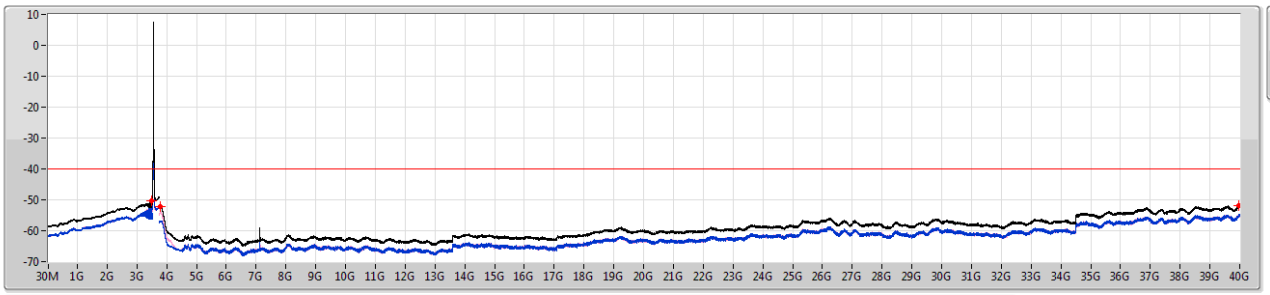
3695MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42126G	-50.97	-40.00	-10.97	-	-	-53.54	-54.46
3.75G	4.5G	1M	3M	RMS	3.807G	-53.67	-40.00	-13.67	-	-	-57.86	-55.76
4.5G	40G	1M	3M	RMS	39.99113G	-51.70	-40.00	-11.70	-	-	-54.56	-54.86

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

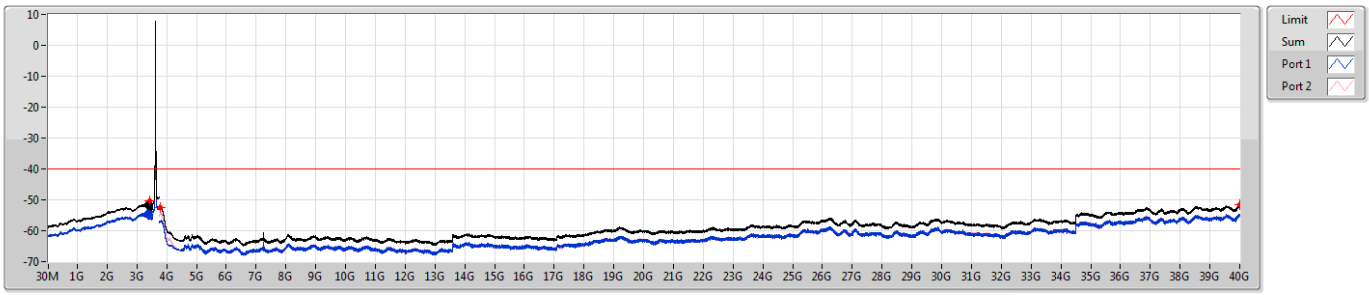
3560MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.50348G	-50.35	-40.00	-10.35	-	-	-51.63	-56.29
3.75G	4.5G	1M	3M	RMS	3.78938G	-52.20	-40.00	-12.20	-	-	-56.79	-54.06
4.5G	40G	1M	3M	RMS	39.98336G	-51.76	-40.00	-11.76	-	-	-54.56	-54.99

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

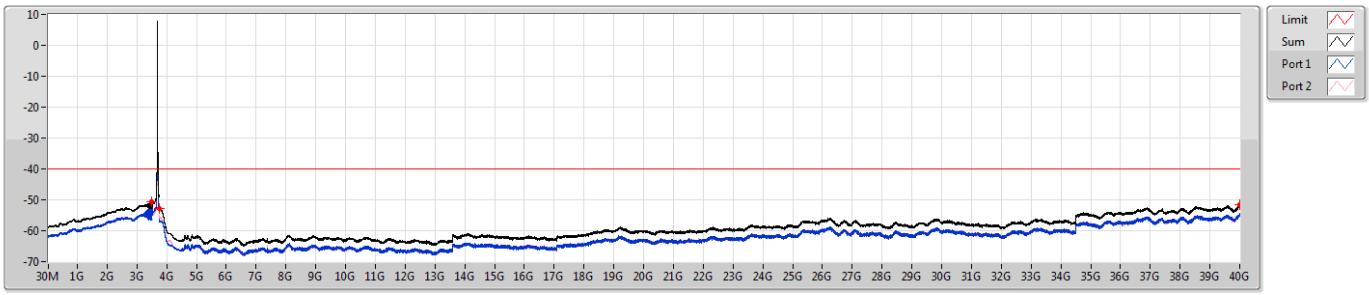
3625MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43257G	-50.44	-40.00	-10.44	-	-	-52.65	-54.42
3.75G	4.5G	1M	3M	RMS	3.79463G	-52.41	-40.00	-12.41	-	-	-56.92	-54.30
4.5G	40G	1M	3M	RMS	39.99667G	-51.66	-40.00	-11.66	-	-	-54.79	-54.55

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

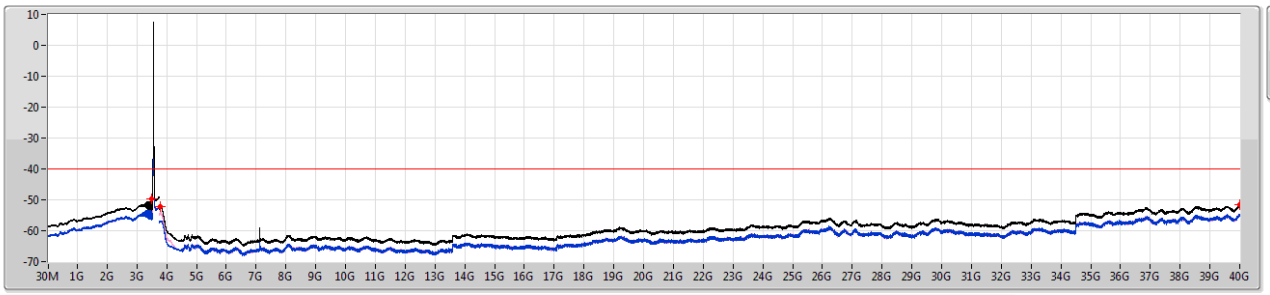
3690MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.49608G	-50.77	-40.00	-10.77	-	-	-52.24	-56.18
3.75G	4.5G	1M	3M	RMS	3.75G	-52.66	-40.00	-12.66	-	-	-56.35	-55.08
4.5G	40G	1M	3M	RMS	39.9878G	-51.70	-40.00	-11.70	-	-	-54.42	-55.03

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

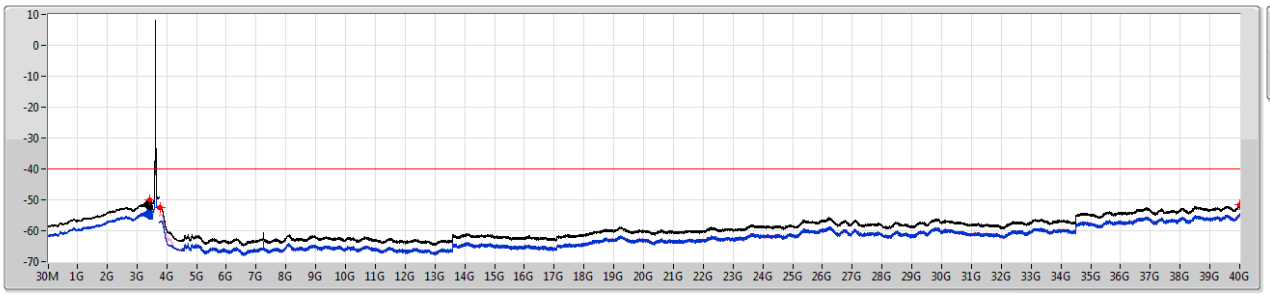
3560MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.50913G	-49.80	-40.00	-9.80	-	-	-52.63	-53.00
3.75G	4.5G	1M	3M	RMS	3.79688G	-52.28	-40.00	-12.28	-	-	-56.97	-54.08
4.5G	40G	1M	3M	RMS	39.99889G	-51.65	-40.00	-11.65	-	-	-54.54	-54.79

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

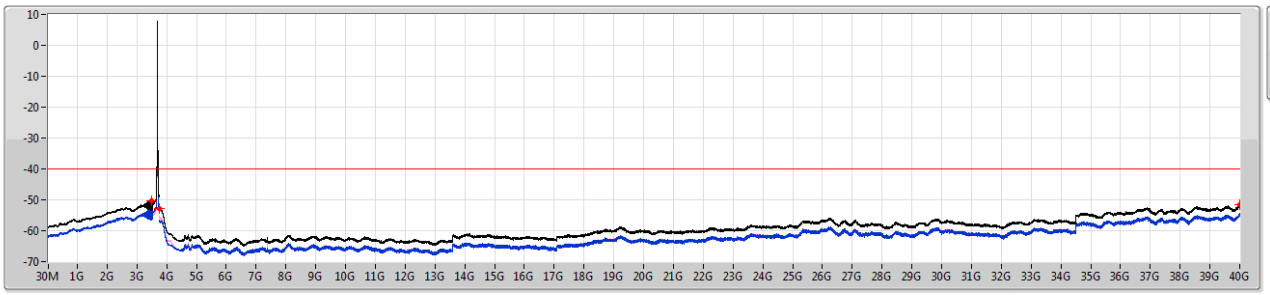
3625MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42561G	-50.05	-40.00	-10.05	-	-	-52.76	-53.38
3.75G	4.5G	1M	3M	RMS	3.7875G	-52.55	-40.00	-12.55	-	-	-57.16	-54.39
4.5G	40G	1M	3M	RMS	39.99334G	-51.46	-40.00	-11.46	-	-	-54.39	-54.56

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

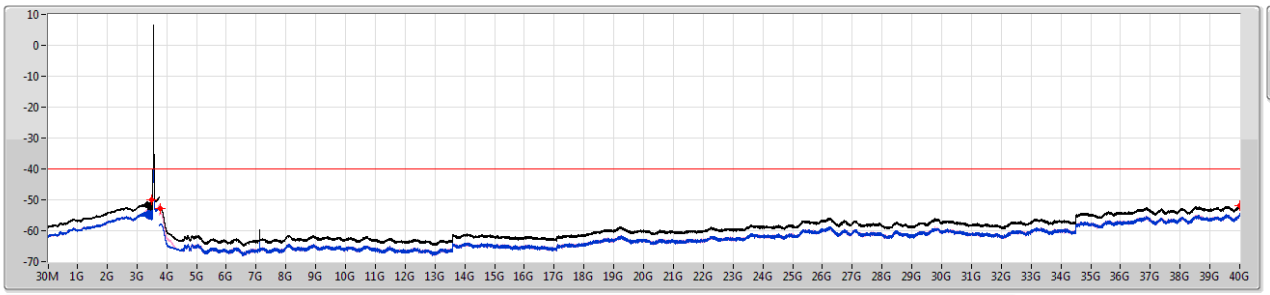
3690MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.49782G	-50.44	-40.00	-10.44	-	-	-52.66	-54.42
3.75G	4.5G	1M	3M	RMS	3.75038G	-52.86	-40.00	-12.86	-	-	-56.49	-55.33
4.5G	40G	1M	3M	RMS	39.99889G	-51.70	-40.00	-11.70	-	-	-54.57	-54.85

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

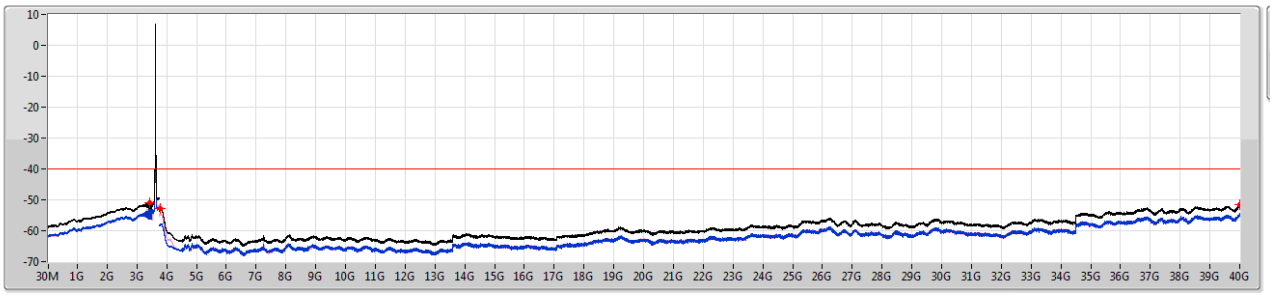
3560MHz_64QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.5087G	-50.02	-40.00	-10.02	-	-	-53.29	-52.78
3.75G	4.5G	1M	3M	RMS	3.7905G	-52.67	-40.00	-12.67	-	-	-57.92	-54.21
4.5G	40G	1M	3M	RMS	40G	-51.74	-40.00	-11.74	-	-	-54.83	-54.68

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

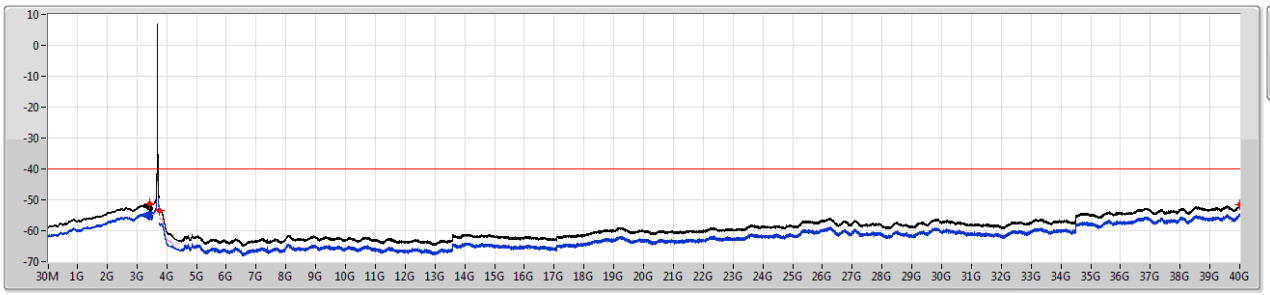
3625MHz_64QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42257G	-50.93	-40.00	-10.93	-	-	-53.05	-55.05
3.75G	4.5G	1M	3M	RMS	3.79575G	-52.92	-40.00	-12.92	-	-	-58.04	-54.51
4.5G	40G	1M	3M	RMS	39.99889G	-51.58	-40.00	-11.58	-	-	-54.43	-54.75

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

3690MHz_64QAM_RB 100,#RB 0



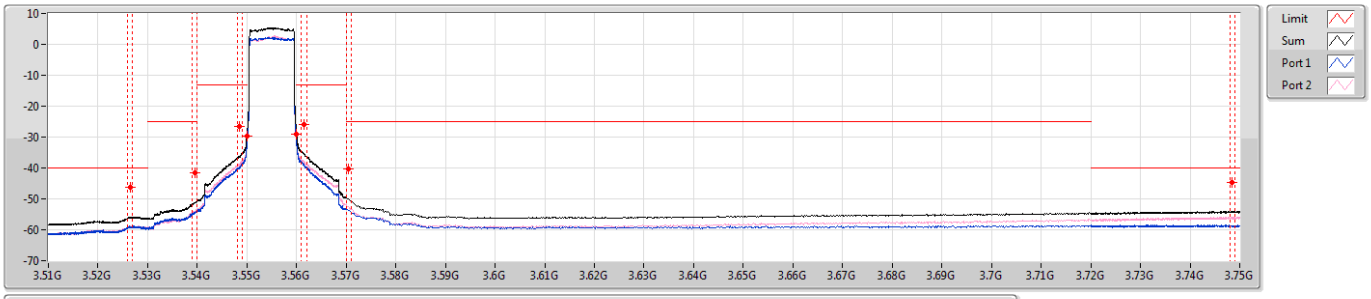
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43388G	-51.11	-40.00	-11.11	-	-	-53.80	-54.47
3.75G	4.5G	1M	3M	RMS	3.75G	-53.58	-40.00	-13.58	-	-	-57.52	-55.82
4.5G	40G	1M	3M	RMS	39.99556G	-51.65	-40.00	-11.65	-	-	-54.90	-54.44

Single-carrier
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 48	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7225G	-43.93	-40.00	-3.93	MBW 1M	-
LTE_10MHz_Nss1,16QAM_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7205G	-44.91	-40.00	-4.91	MBW 1M	-
LTE_10MHz_Nss1,64QAM_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7205G	-45.22	-40.00	-5.22	MBW 1M	-
LTE_20MHz_Nss1,QPSK_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.25	-40.00	-2.25	MBW 1M	-
LTE_20MHz_Nss1,16QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-41.31	-40.00	-1.31	MBW 1M	-
LTE_20MHz_Nss1,64QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.95	-40.00	-2.95	MBW 1M	-

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

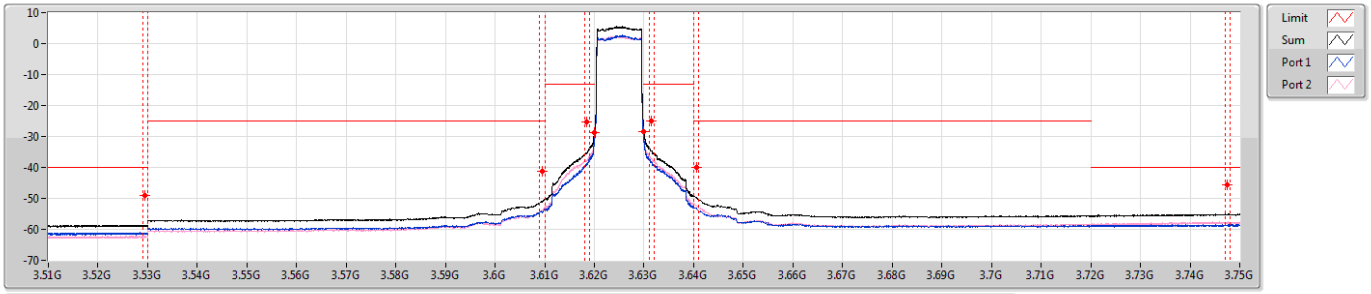
3555MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5265G	-46.36	-40.00	-6.36	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-41.49	-25.00	-16.49	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-26.48	-13.00	-13.48	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-29.57	-13.00	-16.57	-	-	-32.50	-32.67
3.56G	3.561G	100k	300k	RMS	3.56G	-28.94	-13.00	-15.94	-	-	-31.88	-32.03
3.561G	3.57G	100k	300k	RMS	3.5615G	-25.80	-13.00	-12.80	MBW 1M	-	-	-
3.57G	3.72G	100k	300k	RMS	3.5705G	-40.37	-25.00	-15.37	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7485G	-44.55	-40.00	-4.55	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

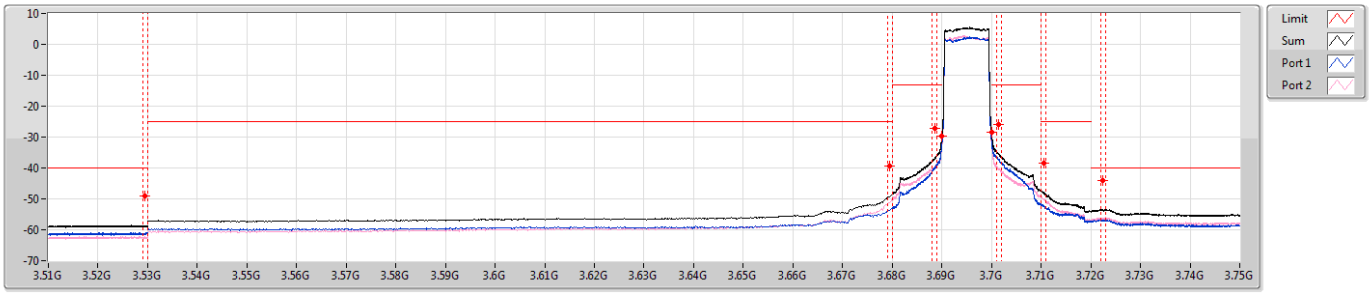
3625MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-49.16	-40.00	-9.16	MBW 1M	-	-	-
3.53G	3.61G	100k	300k	RMS	3.6095G	-41.12	-25.00	-16.12	MBW 1M	-	-	-
3.61G	3.619G	100k	300k	RMS	3.6185G	-25.30	-13.00	-12.30	MBW 1M	-	-	-
3.619G	3.62G	100k	300k	RMS	3.62G	-28.72	-13.00	-15.72	-	-	-31.82	-31.64
3.63G	3.631G	100k	300k	RMS	3.63G	-28.38	-13.00	-15.38	-	-	-31.72	-31.08
3.631G	3.64G	100k	300k	RMS	3.6315G	-25.01	-13.00	-12.01	MBW 1M	-	-	-
3.64G	3.72G	100k	300k	RMS	3.6405G	-40.00	-25.00	-15.00	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7475G	-45.53	-40.00	-5.53	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

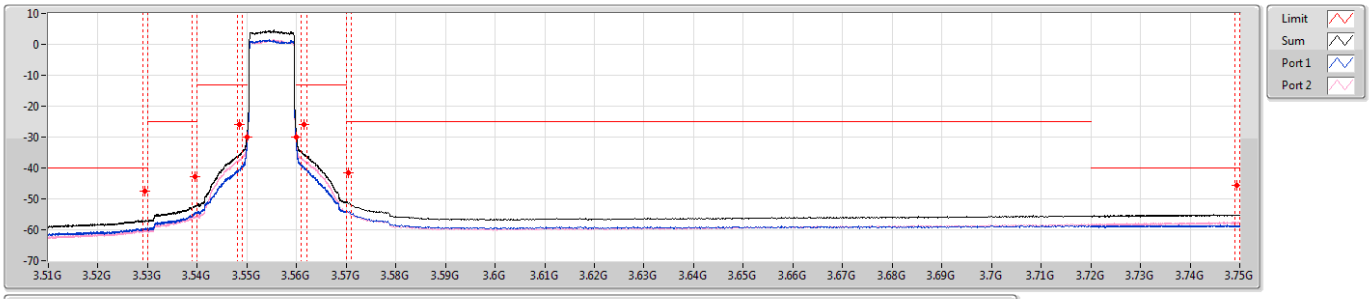
3695MHz_QPSK_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-49.10	-40.00	-9.10	MBW 1M	-	-	-
3.53G	3.68G	100k	300k	RMS	3.6795G	-39.30	-25.00	-14.30	MBW 1M	-	-	-
3.68G	3.689G	100k	300k	RMS	3.6885G	-27.26	-13.00	-14.26	MBW 1M	-	-	-
3.689G	3.69G	100k	300k	RMS	3.69G	-29.59	-13.00	-16.59	-	-	-32.53	-32.68
3.7G	3.701G	100k	300k	RMS	3.70001G	-28.52	-13.00	-15.52	-	-	-31.40	-31.67
3.701G	3.71G	100k	300k	RMS	3.7015G	-25.96	-13.00	-12.96	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-38.34	-25.00	-13.34	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7225G	-43.93	-40.00	-3.93	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

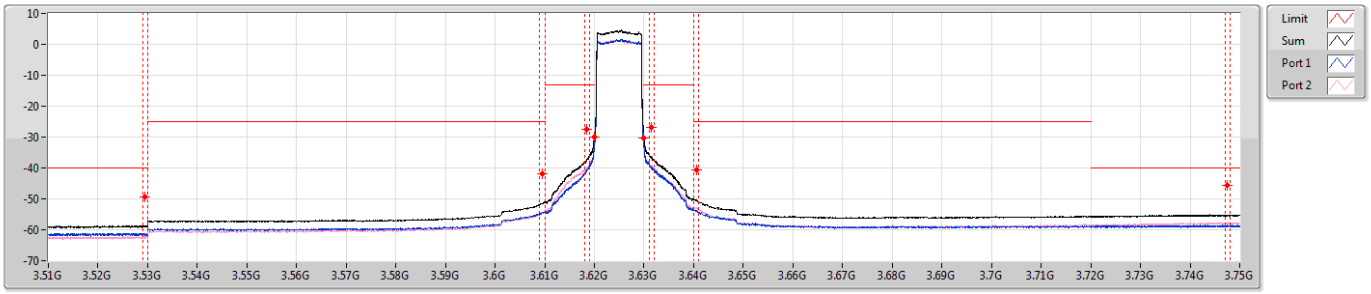
3555MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-47.45	-40.00	-7.45	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-42.66	-25.00	-17.66	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-26.03	-13.00	-13.03	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-29.94	-13.00	-16.94	-	-	-33.43	-32.51
3.56G	3.561G	100k	300k	RMS	3.56G	-30.09	-13.00	-17.09	-	-	-33.35	-32.87
3.561G	3.57G	100k	300k	RMS	3.5615G	-25.85	-13.00	-12.85	MBW 1M	-	-	-
3.57G	3.72G	100k	300k	RMS	3.5705G	-41.60	-25.00	-16.60	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7495G	-45.53	-40.00	-5.53	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

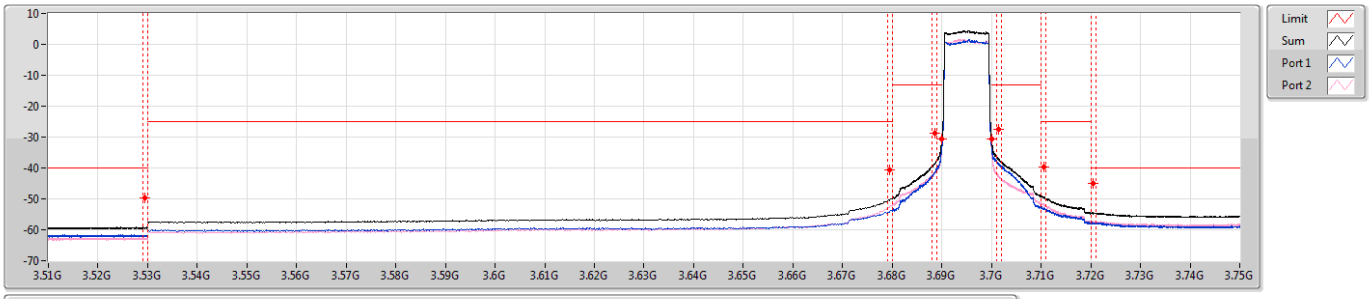
3625MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-49.22	-40.00	-9.22	MBW 1M	-	-	-
3.53G	3.61G	100k	300k	RMS	3.6095G	-41.72	-25.00	-16.72	MBW 1M	-	-	-
3.61G	3.619G	100k	300k	RMS	3.6185G	-27.53	-13.00	-14.53	MBW 1M	-	-	-
3.619G	3.62G	100k	300k	RMS	3.62G	-29.99	-13.00	-16.99	-	-	-32.99	-33.01
3.63G	3.631G	100k	300k	RMS	3.63G	-30.43	-13.00	-17.43	-	-	-33.53	-33.36
3.631G	3.64G	100k	300k	RMS	3.6315G	-26.94	-13.00	-13.94	MBW 1M	-	-	-
3.64G	3.72G	100k	300k	RMS	3.6405G	-40.77	-25.00	-15.77	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7475G	-45.62	-40.00	-5.62	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

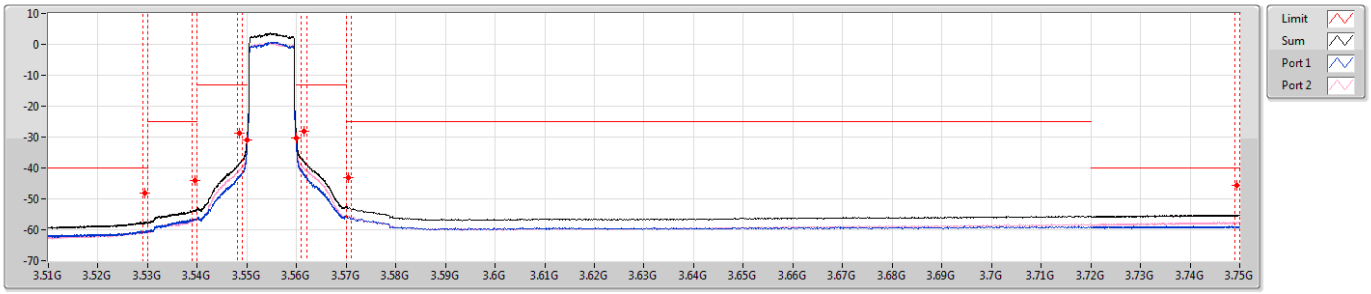
3695MHz_16QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-49.66	-40.00	-9.66	MBW 1M	-	-	-
3.53G	3.68G	100k	300k	RMS	3.6795G	-40.49	-25.00	-15.49	MBW 1M	-	-	-
3.68G	3.689G	100k	300k	RMS	3.6885G	-28.86	-13.00	-15.86	MBW 1M	-	-	-
3.689G	3.69G	100k	300k	RMS	3.69G	-30.55	-13.00	-17.55	-	-	-33.38	-33.74
3.7G	3.701G	100k	300k	RMS	3.7G	-30.52	-13.00	-17.52	-	-	-33.24	-33.84
3.701G	3.71G	100k	300k	RMS	3.7015G	-27.59	-13.00	-14.59	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-39.77	-25.00	-14.77	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7205G	-44.91	-40.00	-4.91	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

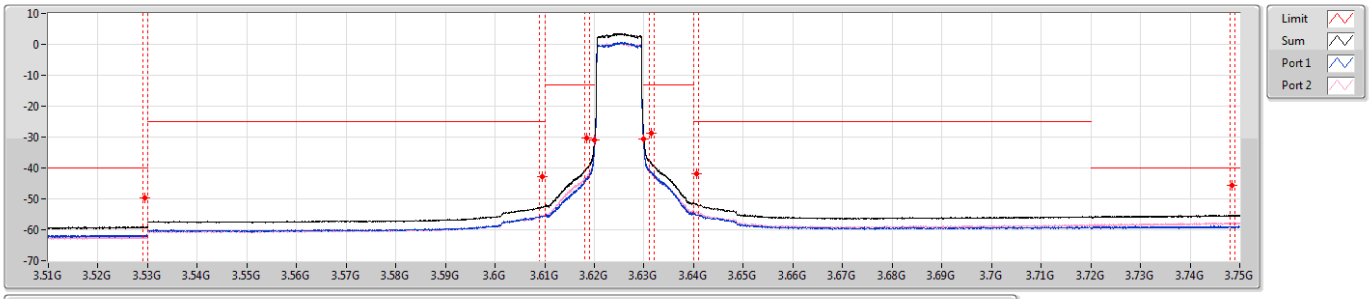
3555MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-48.00	-40.00	-8.00	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-44.06	-25.00	-19.06	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-28.82	-13.00	-15.82	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-30.94	-13.00	-17.94	-	-	-34.24	-33.68
3.56G	3.561G	100k	300k	RMS	3.56G	-30.46	-13.00	-17.46	-	-	-33.94	-33.05
3.561G	3.57G	100k	300k	RMS	3.5615G	-28.22	-13.00	-15.22	MBW 1M	-	-	-
3.57G	3.72G	100k	300k	RMS	3.5705G	-43.16	-25.00	-18.16	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7495G	-45.66	-40.00	-5.66	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

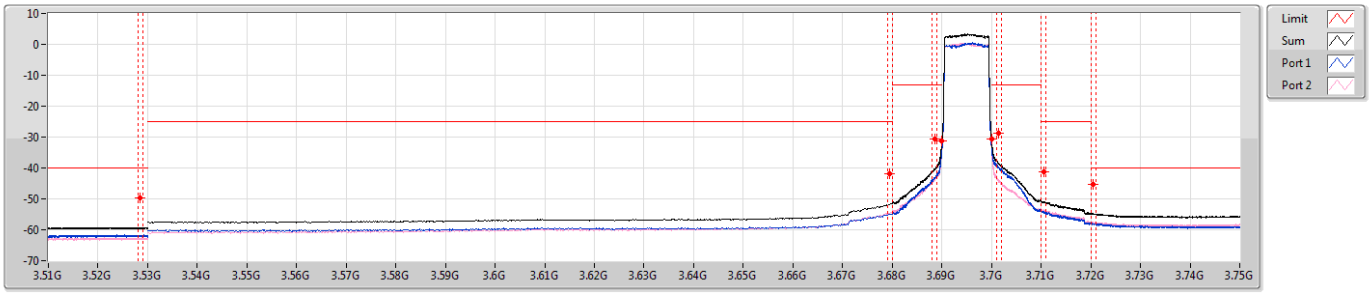
3625MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-49.55	-40.00	-9.55	MBW 1M	-	-	-
3.53G	3.61G	100k	300k	RMS	3.6095G	-42.86	-25.00	-17.86	MBW 1M	-	-	-
3.61G	3.619G	100k	300k	RMS	3.6185G	-30.31	-13.00	-17.31	MBW 1M	-	-	-
3.619G	3.62G	100k	300k	RMS	3.62G	-31.01	-13.00	-18.01	-	-	-34.01	-34.03
3.63G	3.631G	100k	300k	RMS	3.63G	-30.65	-13.00	-17.65	-	-	-33.75	-33.57
3.631G	3.64G	100k	300k	RMS	3.6315G	-28.77	-13.00	-15.77	MBW 1M	-	-	-
3.64G	3.72G	100k	300k	RMS	3.6405G	-42.00	-25.00	-17.00	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7485G	-45.77	-40.00	-5.77	MBW 1M	-	-	-

Band 48_LTE_10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

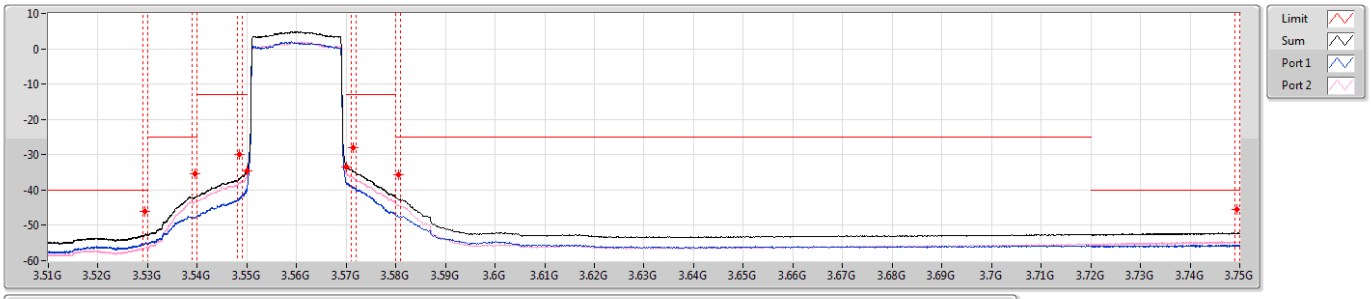
3695MHz_64QAM_RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5285G	-49.70	-40.00	-9.70	MBW 1M	-	-	-
3.53G	3.68G	100k	300k	RMS	3.6795G	-41.99	-25.00	-16.99	MBW 1M	-	-	-
3.68G	3.689G	100k	300k	RMS	3.6885G	-30.72	-13.00	-17.72	MBW 1M	-	-	-
3.689G	3.69G	100k	300k	RMS	3.69G	-31.36	-13.00	-18.36	-	-	-34.26	-34.48
3.7G	3.701G	100k	300k	RMS	3.7G	-30.55	-13.00	-17.55	-	-	-33.24	-33.90
3.701G	3.71G	100k	300k	RMS	3.7015G	-28.82	-13.00	-15.82	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-41.39	-25.00	-16.39	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7205G	-45.22	-40.00	-5.22	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

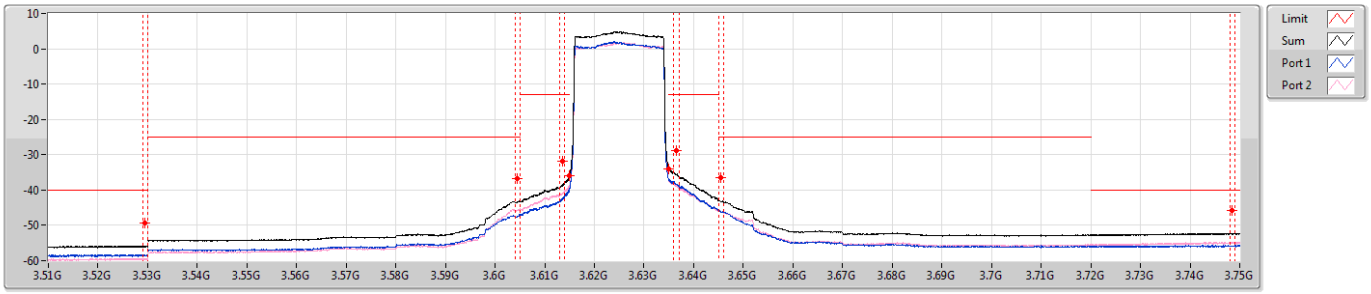
3560MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-46.03	-40.00	-6.03	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-35.33	-25.00	-10.33	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-29.99	-13.00	-16.99	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-34.63	-13.00	-21.63	-	-	-39.62	-36.29
3.57G	3.571G	200k	620k	RMS	3.57001G	-33.38	-13.00	-20.38	-	-	-37.79	-35.34
3.571G	3.58G	200k	620k	RMS	3.5715G	-28.05	-13.00	-15.05	MBW 1M	-	-	-
3.58G	3.72G	200k	620k	RMS	3.5805G	-35.78	-25.00	-10.78	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7495G	-45.53	-40.00	-5.53	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

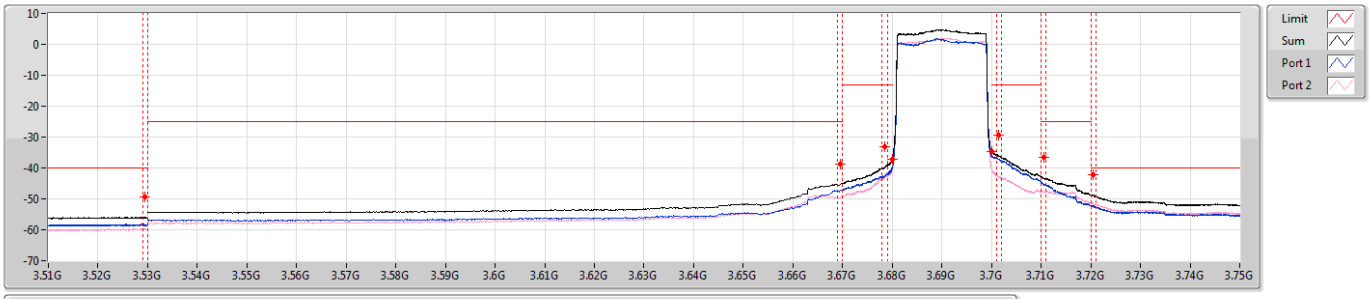
3625MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-49.27	-40.00	-9.27	MBW 1M	-	-	-
3.53G	3.605G	200k	620k	RMS	3.6045G	-36.70	-25.00	-11.70	MBW 1M	-	-	-
3.605G	3.614G	200k	620k	RMS	3.6135G	-31.97	-13.00	-18.97	MBW 1M	-	-	-
3.614G	3.615G	200k	620k	RMS	3.61499G	-36.05	-13.00	-23.05	-	-	-39.52	-38.65
3.635G	3.636G	200k	620k	RMS	3.635G	-34.13	-13.00	-21.13	-	-	-37.07	-37.21
3.636G	3.645G	200k	620k	RMS	3.6365G	-28.84	-13.00	-15.84	MBW 1M	-	-	-
3.645G	3.72G	200k	620k	RMS	3.6455G	-36.41	-25.00	-11.41	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7485G	-45.66	-40.00	-5.66	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

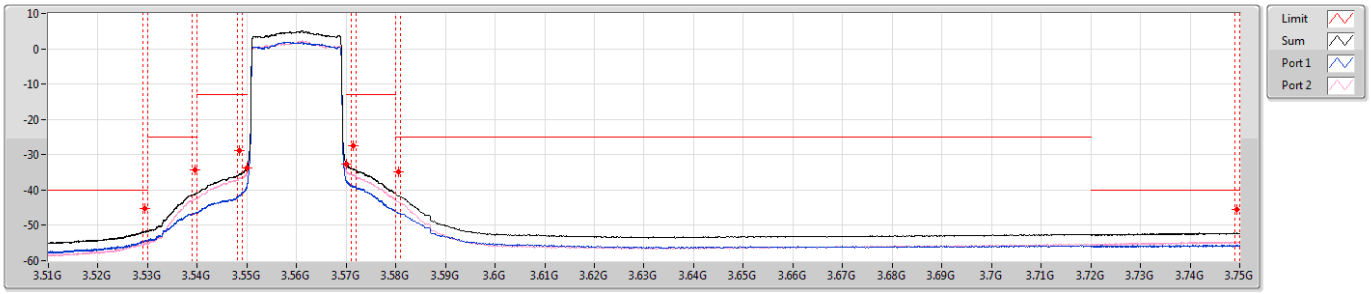
3690MHz_QPSK_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-49.40	-40.00	-9.40	MBW 1M	-	-	-
3.53G	3.67G	200k	620k	RMS	3.6695G	-38.61	-25.00	-13.61	MBW 1M	-	-	-
3.67G	3.679G	200k	620k	RMS	3.6785G	-33.06	-13.00	-20.06	MBW 1M	-	-	-
3.679G	3.68G	200k	620k	RMS	3.68G	-37.27	-13.00	-24.27	-	-	-40.00	-40.58
3.7G	3.701G	200k	620k	RMS	3.7G	-34.81	-13.00	-21.81	-	-	-36.23	-40.34
3.701G	3.71G	200k	620k	RMS	3.7015G	-29.45	-13.00	-16.45	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-36.54	-25.00	-11.54	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.25	-40.00	-2.25	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

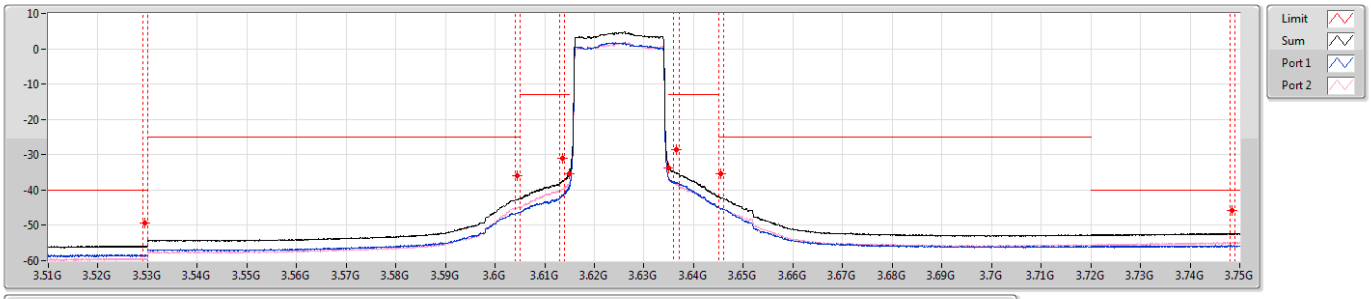
3560MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-45.10	-40.00	-5.10	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-34.43	-25.00	-9.43	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-28.82	-13.00	-15.82	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-33.66	-13.00	-20.66	-	-	-39.02	-35.16
3.57G	3.571G	200k	620k	RMS	3.57002G	-32.76	-13.00	-19.76	-	-	-37.38	-34.60
3.571G	3.58G	200k	620k	RMS	3.5715G	-27.43	-13.00	-14.43	MBW 1M	-	-	-
3.58G	3.72G	200k	620k	RMS	3.5805G	-34.90	-25.00	-9.90	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7495G	-45.58	-40.00	-5.58	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

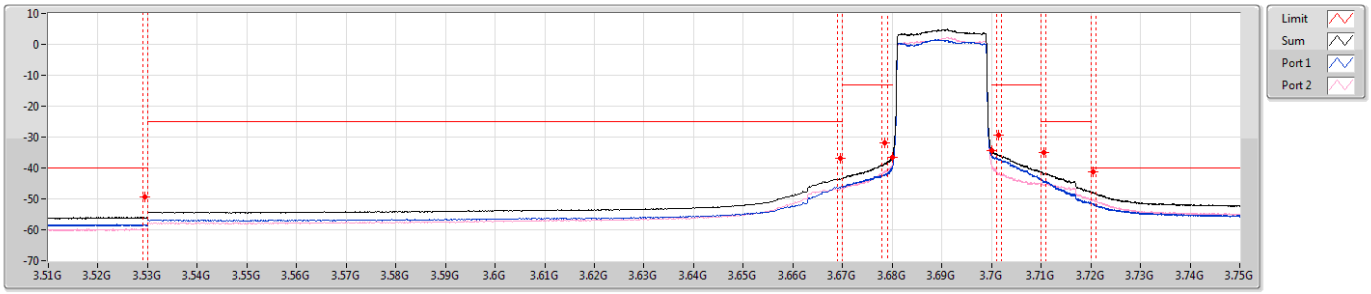
3625MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-49.28	-40.00	-9.28	MBW 1M	-	-	-
3.53G	3.605G	200k	620k	RMS	3.6045G	-35.94	-25.00	-10.94	MBW 1M	-	-	-
3.605G	3.614G	200k	620k	RMS	3.6135G	-30.91	-13.00	-17.91	MBW 1M	-	-	-
3.614G	3.615G	200k	620k	RMS	3.615G	-35.28	-13.00	-22.28	-	-	-38.79	-37.85
3.635G	3.636G	200k	620k	RMS	3.635G	-33.76	-13.00	-20.76	-	-	-36.77	-36.77
3.636G	3.645G	200k	620k	RMS	3.6365G	-28.42	-13.00	-15.42	MBW 1M	-	-	-
3.645G	3.72G	200k	620k	RMS	3.6455G	-35.46	-25.00	-10.46	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7485G	-45.68	-40.00	-5.68	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

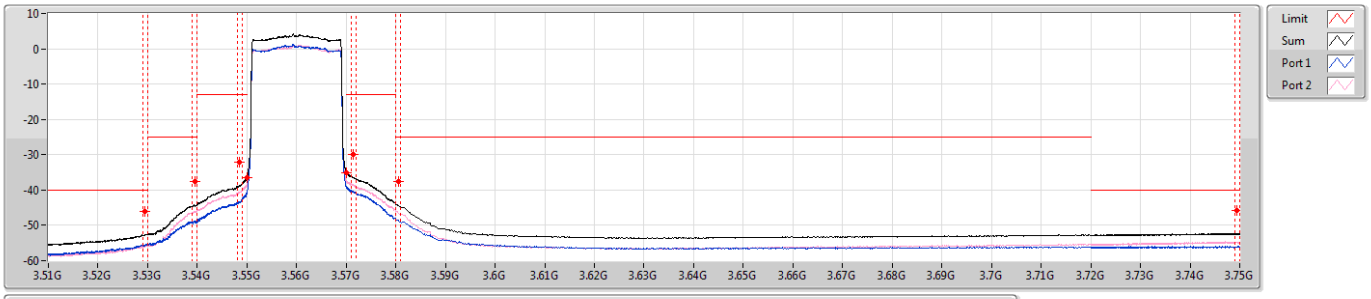
3690MHz_16QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-49.42	-40.00	-9.42	MBW 1M	-	-	-
3.53G	3.67G	200k	620k	RMS	3.6695G	-36.83	-25.00	-11.83	MBW 1M	-	-	-
3.67G	3.679G	200k	620k	RMS	3.6785G	-31.99	-13.00	-18.99	MBW 1M	-	-	-
3.679G	3.68G	200k	620k	RMS	3.67999G	-36.41	-13.00	-23.41	-	-	-39.72	-39.14
3.7G	3.701G	200k	620k	RMS	3.7G	-34.38	-13.00	-21.38	-	-	-36.09	-39.26
3.701G	3.71G	200k	620k	RMS	3.7015G	-29.26	-13.00	-16.26	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-35.05	-25.00	-10.05	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-41.31	-40.00	-1.31	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

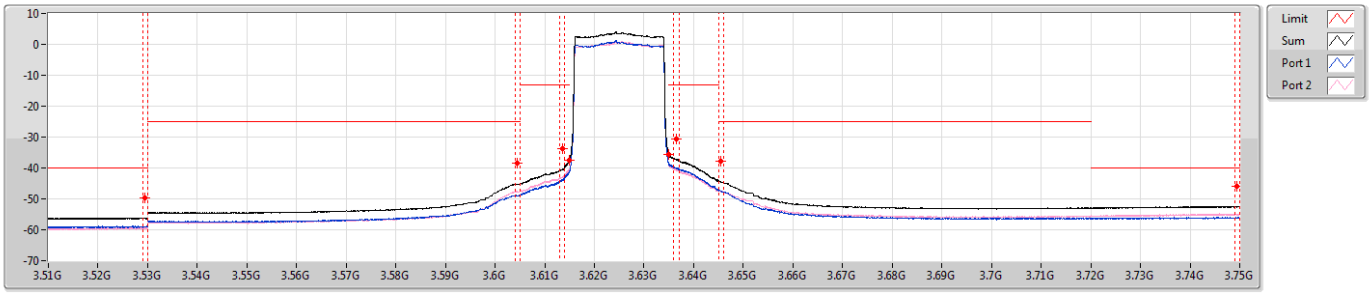
3560MHz_64QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-46.02	-40.00	-6.02	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-37.69	-25.00	-12.69	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-32.08	-13.00	-19.08	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-36.52	-13.00	-23.52	-	-	-40.69	-38.62
3.57G	3.571G	200k	620k	RMS	3.57001G	-35.08	-13.00	-22.08	-	-	-39.03	-37.31
3.571G	3.58G	200k	620k	RMS	3.5715G	-29.80	-13.00	-16.80	MBW 1M	-	-	-
3.58G	3.72G	200k	620k	RMS	3.5805G	-37.63	-25.00	-12.63	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7495G	-45.71	-40.00	-5.71	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

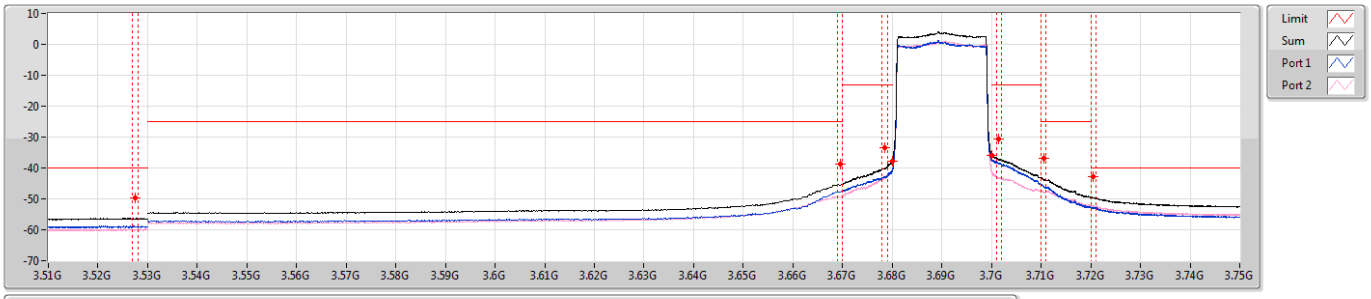
3625MHz_64QAM_RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-49.55	-40.00	-9.55	MBW 1M	-	-	-
3.53G	3.605G	200k	620k	RMS	3.6045G	-38.58	-25.00	-13.58	MBW 1M	-	-	-
3.605G	3.614G	200k	620k	RMS	3.6135G	-33.71	-13.00	-20.71	MBW 1M	-	-	-
3.614G	3.615G	200k	620k	RMS	3.61499G	-37.58	-13.00	-24.58	-	-	-40.84	-40.35
3.635G	3.636G	200k	620k	RMS	3.635G	-35.73	-13.00	-22.73	-	-	-38.56	-38.92
3.636G	3.645G	200k	620k	RMS	3.6365G	-30.51	-13.00	-17.51	MBW 1M	-	-	-
3.645G	3.72G	200k	620k	RMS	3.6455G	-37.76	-25.00	-12.76	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7495G	-45.84	-40.00	-5.84	MBW 1M	-	-	-

Band 48_LTE_20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

3690MHz_64QAM_RB 100,#RB 0



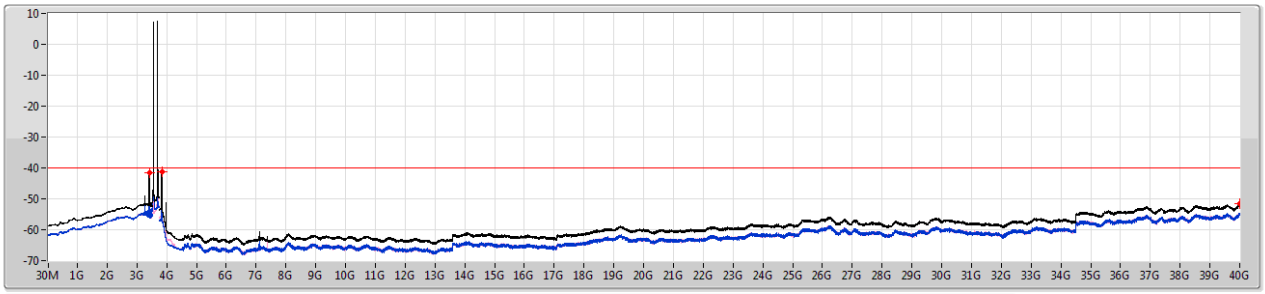
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5275G	-49.74	-40.00	-9.74	MBW 1M	-	-	-
3.53G	3.67G	200k	620k	RMS	3.6695G	-38.68	-25.00	-13.68	MBW 1M	-	-	-
3.67G	3.679G	200k	620k	RMS	3.6785G	-33.37	-13.00	-20.37	MBW 1M	-	-	-
3.679G	3.68G	200k	620k	RMS	3.67998G	-37.76	-13.00	-24.76	-	-	-40.71	-40.83
3.7G	3.701G	200k	620k	RMS	3.7G	-35.85	-13.00	-22.85	-	-	-37.43	-41.00
3.701G	3.71G	200k	620k	RMS	3.7015G	-30.53	-13.00	-17.53	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-36.97	-25.00	-11.97	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.95	-40.00	-2.95	MBW 1M	-	-	-

Multi-carrier
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 48	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	Pass	3.75G	4.5G	1M	3M	RMS	3.83475G	-41.30	-40.00	-1.30	-	-
LTE_10MHz+10MHz_Nss1,16QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.4138G	-40.55	-40.00	-0.55	-	-
LTE_10MHz+10MHz_Nss1,64QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.4138G	-40.29	-40.00	-0.29	-	-
LTE_10MHz+20MHz_Nss1,QPSK_2TX	Pass	3.75G	4.5G	1M	3M	RMS	3.82538G	-43.82	-40.00	-3.82	-	-
LTE_10MHz+20MHz_Nss1,16QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.42174G	-43.72	-40.00	-3.72	-	-
LTE_10MHz+20MHz_Nss1,64QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.42174G	-43.63	-40.00	-3.63	-	-
LTE_20MHz+10MHz_Nss1,QPSK_2TX	Pass	3.75G	4.5G	1M	3M	RMS	3.83025G	-41.56	-40.00	-1.56	-	-
LTE_20MHz+10MHz_Nss1,16QAM_2TX	Pass	3.75G	4.5G	1M	3M	RMS	3.83025G	-41.73	-40.00	-1.73	-	-
LTE_20MHz+10MHz_Nss1,64QAM_2TX	Pass	3.75G	4.5G	1M	3M	RMS	3.82988G	-41.94	-40.00	-1.94	-	-
LTE_20MHz+20MHz_Nss1,QPSK_2TX	Pass	30M	3.51G	1M	3M	RMS	3.43264G	-43.28	-40.00	-3.28	-	-
LTE_20MHz+20MHz_Nss1,16QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.42868G	-42.90	-40.00	-2.90	-	-
LTE_20MHz+20MHz_Nss1,64QAM_2TX	Pass	30M	3.51G	1M	3M	RMS	3.42868G	-42.86	-40.00	-2.86	-	-

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

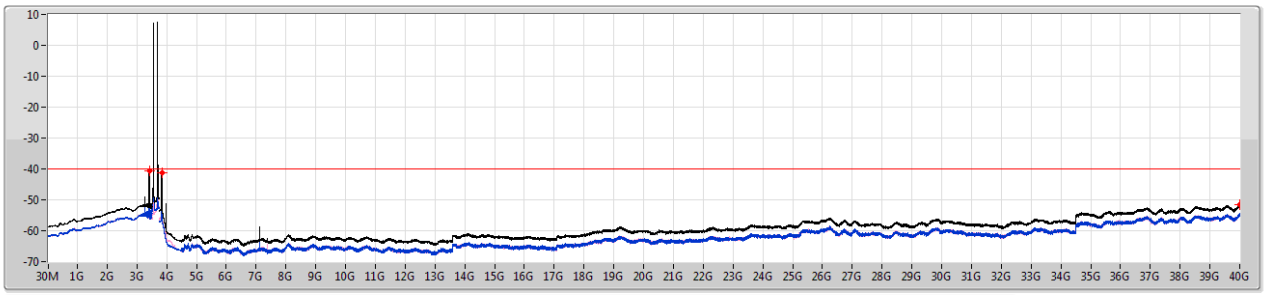
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.41678G	-41.41	-40.00	-1.41	-	-	-42.37	-48.44
3.75G	4.5G	1M	3M	RMS	3.83475G	-41.30	-40.00	-1.30	-	-	-44.65	-44.00
4.5G	40G	1M	3M	RMS	40G	-51.64	-40.00	-11.64	-	-	-54.73	-54.58

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

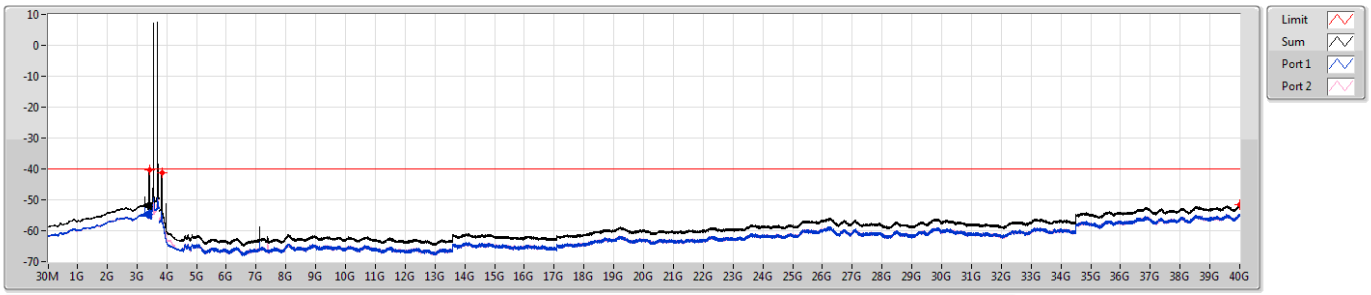
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.4138G	-40.55	-40.00	-0.55	-	-	-41.24	-48.85
3.75G	4.5G	1M	3M	RMS	3.83513G	-41.27	-40.00	-1.27	-	-	-44.62	-43.96
4.5G	40G	1M	3M	RMS	40G	-51.49	-40.00	-11.49	-	-	-54.51	-54.49

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

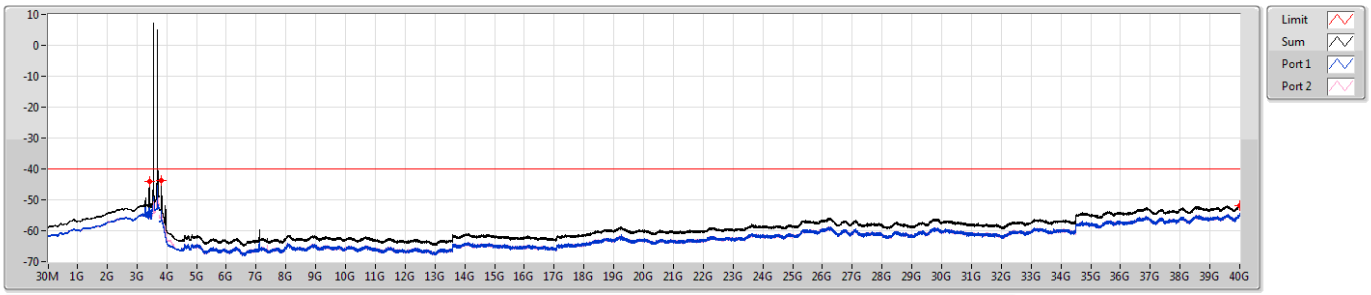
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.4138G	-40.29	-40.00	-0.29	-	-	-41.51	-46.42
3.75G	4.5G	1M	3M	RMS	3.83475G	-41.32	-40.00	-1.32	-	-	-44.63	-44.05
4.5G	40G	1M	3M	RMS	39.99334G	-51.61	-40.00	-11.61	-	-	-54.55	-54.69

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

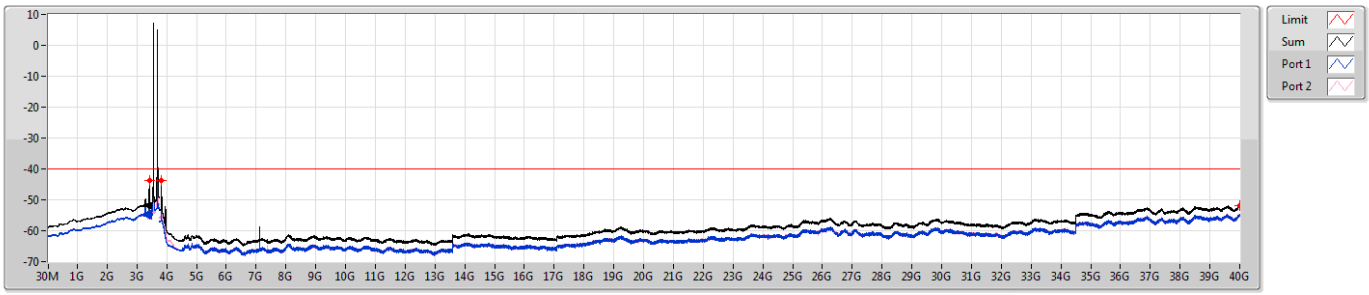
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.41975G	-44.02	-40.00	-4.02	-	-	-45.24	-50.11
3.75G	4.5G	1M	3M	RMS	3.82538G	-43.82	-40.00	-3.82	-	-	-45.34	-49.12
4.5G	40G	1M	3M	RMS	40G	-51.73	-40.00	-11.73	-	-	-54.51	-54.99

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

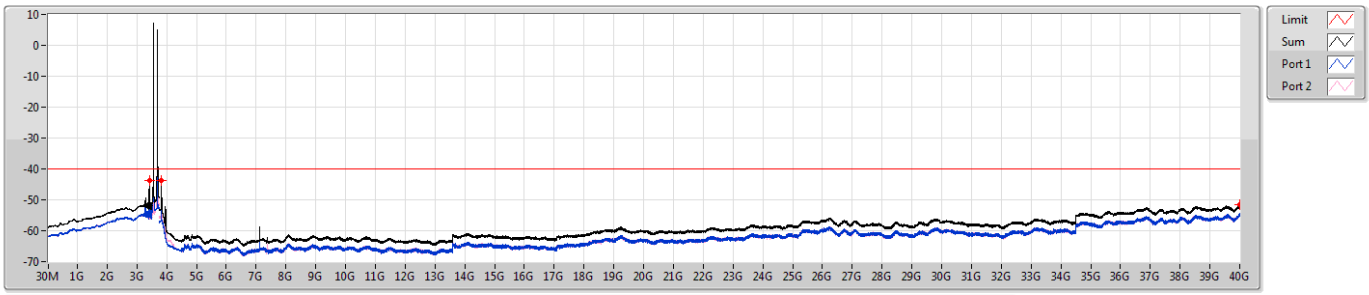
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42174G	-43.72	-40.00	-3.72	-	-	-45.63	-48.22
3.75G	4.5G	1M	3M	RMS	3.825G	-43.84	-40.00	-3.84	-	-	-45.29	-49.32
4.5G	40G	1M	3M	RMS	39.98447G	-51.72	-40.00	-11.72	-	-	-54.61	-54.85

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

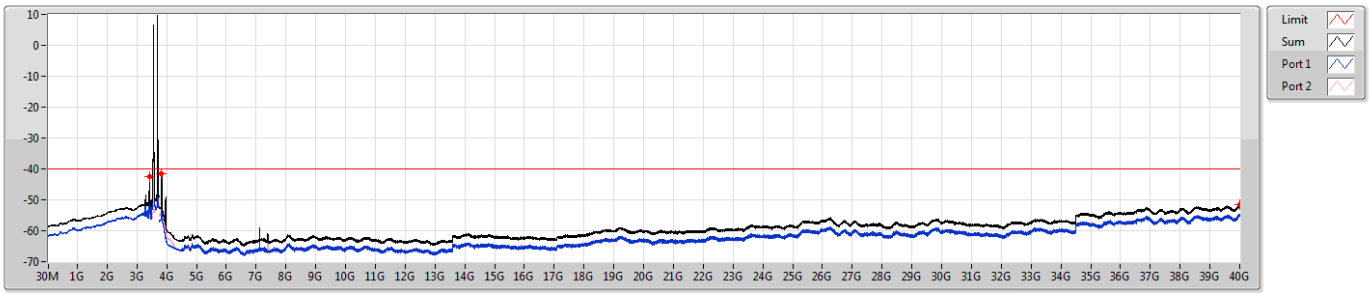
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42174G	-43.63	-40.00	-3.63	-	-	-45.64	-47.94
3.75G	4.5G	1M	3M	RMS	3.825G	-43.81	-40.00	-3.81	-	-	-45.20	-49.43
4.5G	40G	1M	3M	RMS	39.99889G	-51.55	-40.00	-11.55	-	-	-54.43	-54.70

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

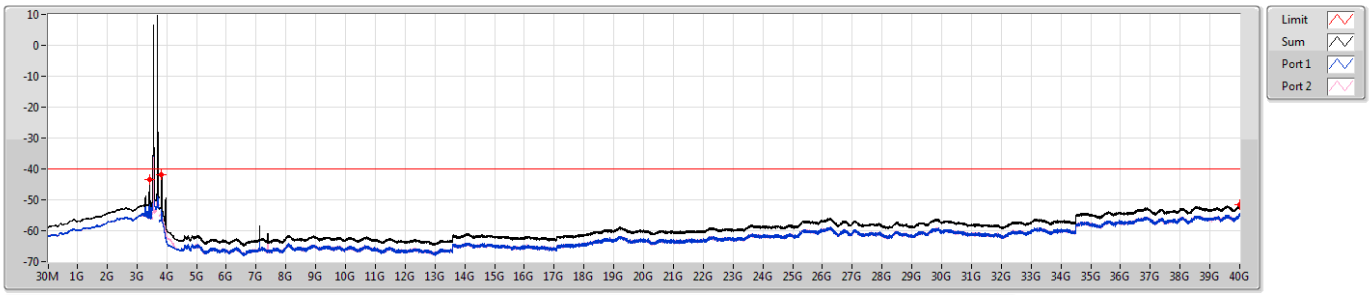
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42372G	-42.45	-40.00	-2.45	-	-	-47.94	-43.89
3.75G	4.5G	1M	3M	RMS	3.83025G	-41.56	-40.00	-1.56	-	-	-43.48	-46.02
4.5G	40G	1M	3M	RMS	40G	-51.64	-40.00	-11.64	-	-	-54.60	-54.70

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

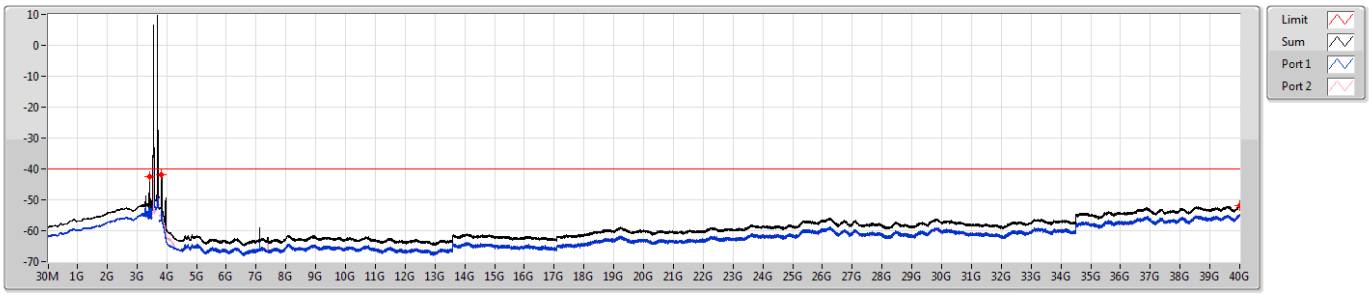
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42372G	-43.49	-40.00	-3.49	-	-	-51.04	-44.33
3.75G	4.5G	1M	3M	RMS	3.83025G	-41.73	-40.00	-1.73	-	-	-43.67	-46.15
4.5G	40G	1M	3M	RMS	39.99667G	-51.66	-40.00	-11.66	-	-	-54.45	-54.90

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

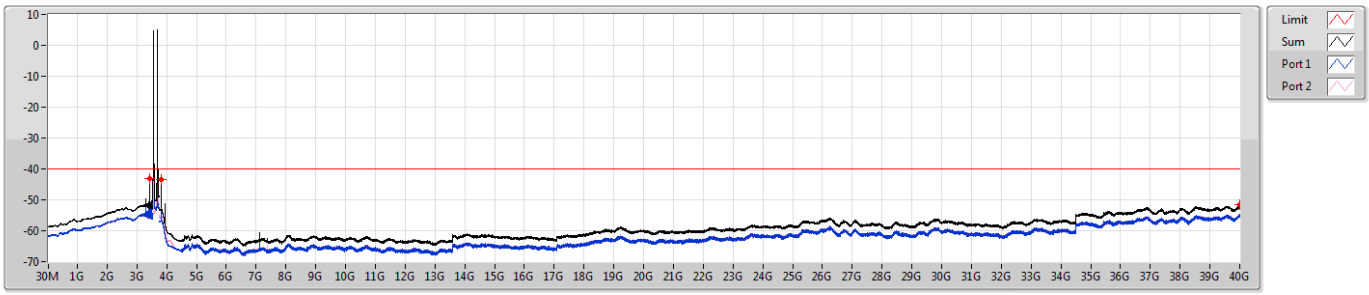
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42372G	-42.61	-40.00	-2.61	-	-	-46.38	-44.98
3.75G	4.5G	1M	3M	RMS	3.82988G	-41.94	-40.00	-1.94	-	-	-43.91	-46.31
4.5G	40G	1M	3M	RMS	39.99556G	-51.79	-40.00	-11.79	-	-	-54.87	-54.73

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

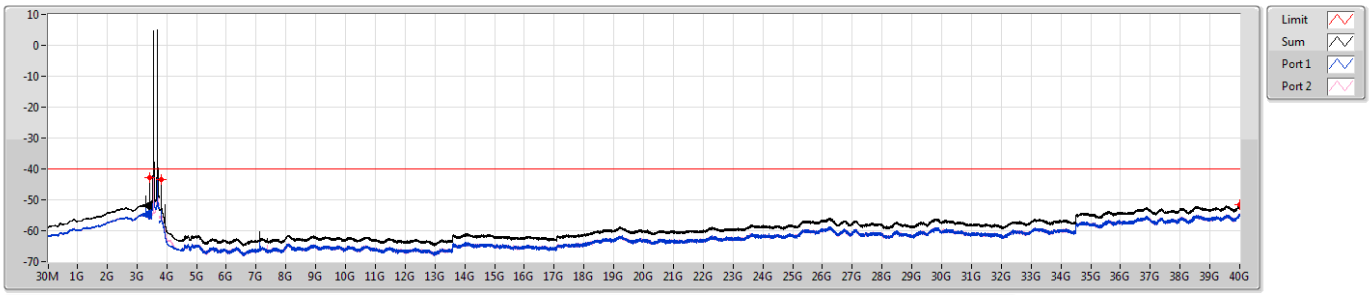
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.43264G	-43.28	-40.00	-3.28	-	-	-44.57	-49.19
3.75G	4.5G	1M	3M	RMS	3.81975G	-43.41	-40.00	-3.41	-	-	-45.96	-46.94
4.5G	40G	1M	3M	RMS	39.99778G	-51.71	-40.00	-11.71	-	-	-54.59	-54.85

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

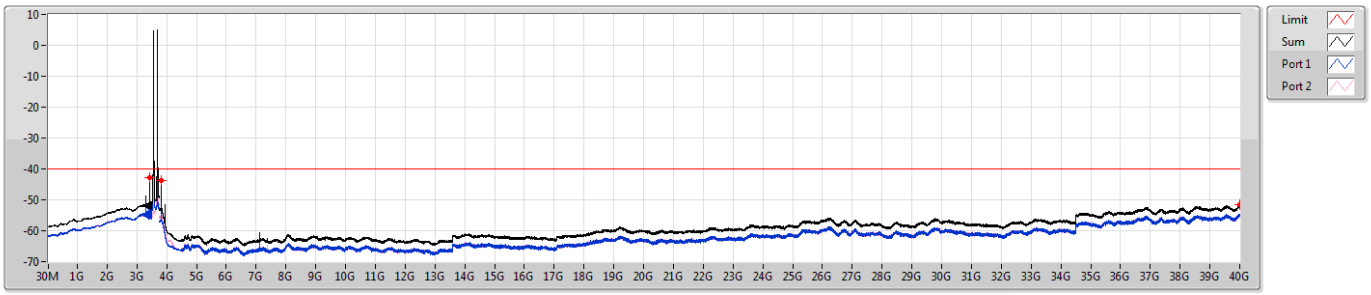
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42868G	-42.90	-40.00	-2.90	-	-	-44.30	-48.48
3.75G	4.5G	1M	3M	RMS	3.82013G	-43.57	-40.00	-3.57	-	-	-45.97	-47.29
4.5G	40G	1M	3M	RMS	39.99778G	-51.67	-40.00	-11.67	-	-	-54.68	-54.68

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



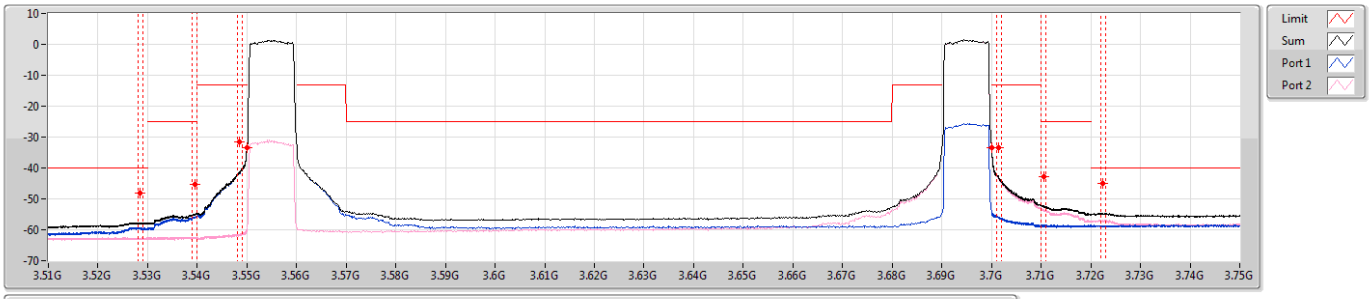
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
30M	3.51G	1M	3M	RMS	3.42868G	-42.86	-40.00	-2.86	-	-	-44.32	-48.32
3.75G	4.5G	1M	3M	RMS	3.82013G	-43.67	-40.00	-3.67	-	-	-46.05	-47.41
4.5G	40G	1M	3M	RMS	39.99002G	-51.68	-40.00	-11.68	-	-	-54.73	-54.65

Multi-carrier
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
Band 48	-	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7225G	-45.15	-40.00	-5.15	MBW 1M	-
LTE_10MHz+10MHz_Nss1,16QAM_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7205G	-45.39	-40.00	-5.39	MBW 1M	-
LTE_10MHz+10MHz_Nss1,64QAM_2TX	Pass	3.72G	3.75G	100k	300k	RMS	3.7205G	-45.36	-40.00	-5.36	MBW 1M	-
LTE_10MHz+20MHz_Nss1,QPSK_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-43.61	-40.00	-3.61	MBW 1M	-
LTE_10MHz+20MHz_Nss1,16QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.79	-40.00	-2.79	MBW 1M	-
LTE_10MHz+20MHz_Nss1,64QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.61	-40.00	-2.61	MBW 1M	-
LTE_20MHz+10MHz_Nss1,QPSK_2TX	Pass	3.51G	3.53G	200k	620k	RMS	3.5295G	-44.12	-40.00	-4.12	MBW 1M	-
LTE_20MHz+10MHz_Nss1,16QAM_2TX	Pass	3.51G	3.53G	200k	620k	RMS	3.5295G	-44.13	-40.00	-4.13	MBW 1M	-
LTE_20MHz+10MHz_Nss1,64QAM_2TX	Pass	3.51G	3.53G	200k	620k	RMS	3.5295G	-43.73	-40.00	-3.73	MBW 1M	-
LTE_20MHz+20MHz_Nss1,QPSK_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-43.55	-40.00	-3.55	MBW 1M	-
LTE_20MHz+20MHz_Nss1,16QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.66	-40.00	-2.66	MBW 1M	-
LTE_20MHz+20MHz_Nss1,64QAM_2TX	Pass	3.72G	3.75G	200k	620k	RMS	3.7205G	-42.52	-40.00	-2.52	MBW 1M	-

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

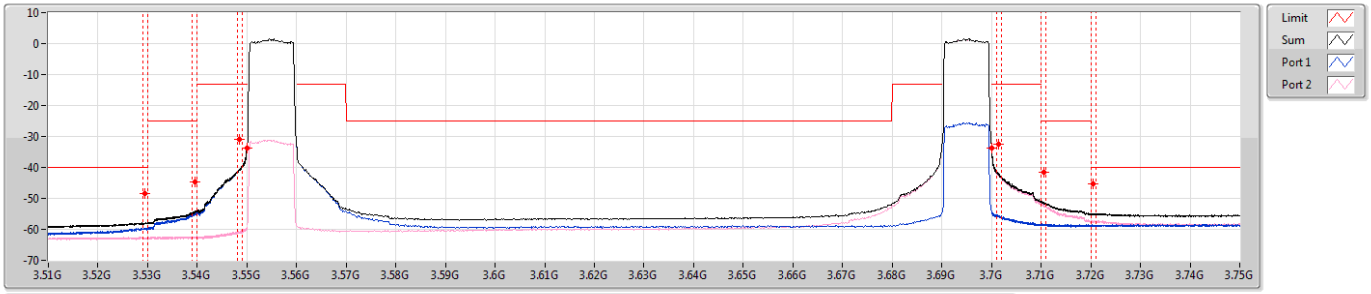
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5285G	-48.17	-40.00	-8.17	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-45.39	-25.00	-20.39	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-31.71	-13.00	-18.71	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-33.52	-13.00	-20.52	-	-	-33.53	-60.26
3.7G	3.701G	100k	300k	RMS	3.7G	-33.40	-13.00	-20.40	-	-	-54.40	-33.43
3.701G	3.71G	100k	300k	RMS	3.7015G	-33.52	-13.00	-20.52	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-42.74	-25.00	-17.74	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7225G	-45.15	-40.00	-5.15	MBW 1M	-	-	-

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

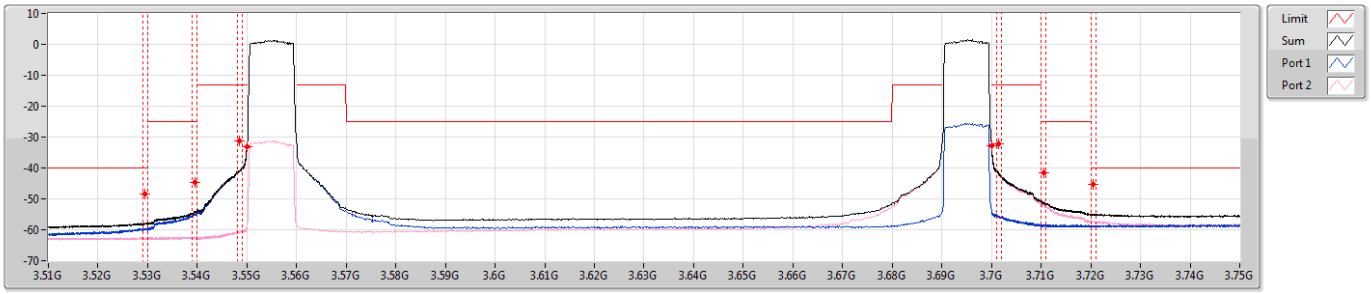
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-48.36	-40.00	-8.36	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-44.73	-25.00	-19.73	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-31.05	-13.00	-18.05	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-33.63	-13.00	-20.63	-	-	-33.64	-59.73
3.7G	3.701G	100k	300k	RMS	3.7G	-33.69	-13.00	-20.69	-	-	-54.45	-33.73
3.701G	3.71G	100k	300k	RMS	3.7015G	-32.58	-13.00	-19.58	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-41.64	-25.00	-16.64	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7205G	-45.39	-40.00	-5.39	MBW 1M	-	-	-

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

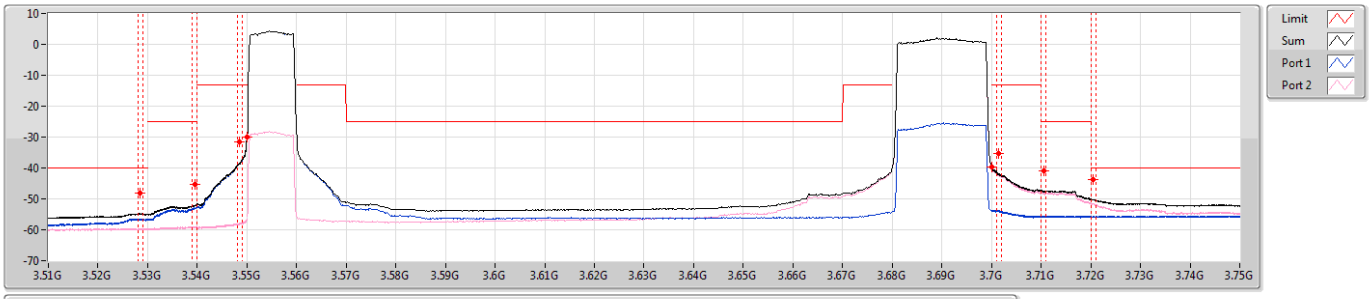
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	100k	300k	RMS	3.5295G	-48.32	-40.00	-8.32	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5395G	-44.69	-25.00	-19.69	MBW 1M	-	-	-
3.54G	3.549G	100k	300k	RMS	3.5485G	-31.23	-13.00	-18.23	MBW 1M	-	-	-
3.549G	3.55G	100k	300k	RMS	3.55G	-33.10	-13.00	-20.10	-	-	-33.11	-59.07
3.7G	3.701G	100k	300k	RMS	3.7G	-32.71	-13.00	-19.71	-	-	-53.97	-32.74
3.701G	3.71G	100k	300k	RMS	3.7015G	-32.12	-13.00	-19.12	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7105G	-41.57	-25.00	-16.57	MBW 1M	-	-	-
3.72G	3.75G	100k	300k	RMS	3.7205G	-45.36	-40.00	-5.36	MBW 1M	-	-	-

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

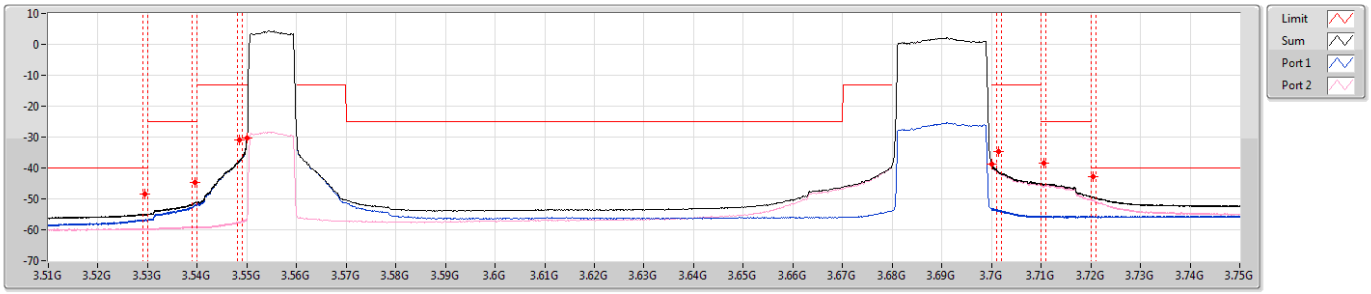
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5285G	-48.25	-40.00	-8.25	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-45.37	-25.00	-20.37	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-31.69	-13.00	-18.69	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-30.02	-13.00	-17.02	-	-	-30.03	-56.62
3.7G	3.701G	200k	620k	RMS	3.7G	-39.63	-13.00	-26.63	-	-	-53.85	-39.80
3.701G	3.71G	200k	620k	RMS	3.7015G	-35.31	-13.00	-22.31	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-40.80	-25.00	-15.80	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-43.61	-40.00	-3.61	MBW 1M	-	-	-

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

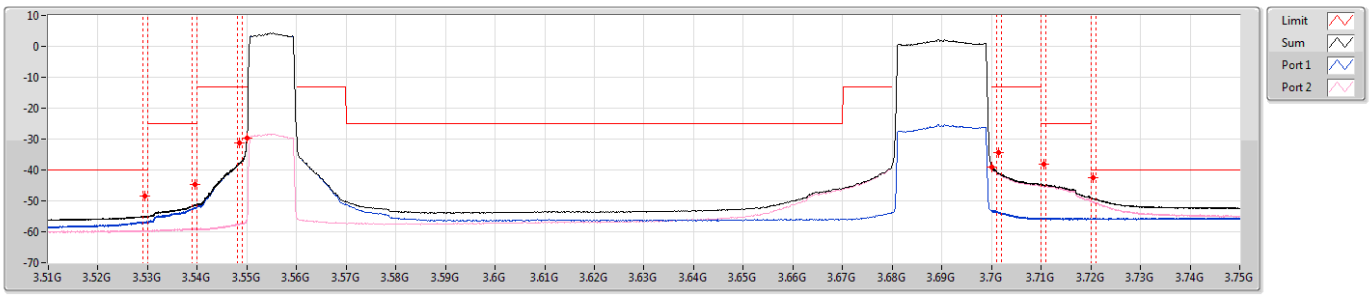
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-48.40	-40.00	-8.40	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-44.66	-25.00	-19.66	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-30.98	-13.00	-17.98	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-30.23	-13.00	-17.23	-	-	-30.24	-56.40
3.7G	3.701G	200k	620k	RMS	3.70001G	-38.80	-13.00	-25.80	-	-	-53.21	-38.96
3.701G	3.71G	200k	620k	RMS	3.7015G	-34.68	-13.00	-21.68	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-38.59	-25.00	-13.59	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.79	-40.00	-2.79	MBW 1M	-	-	-

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

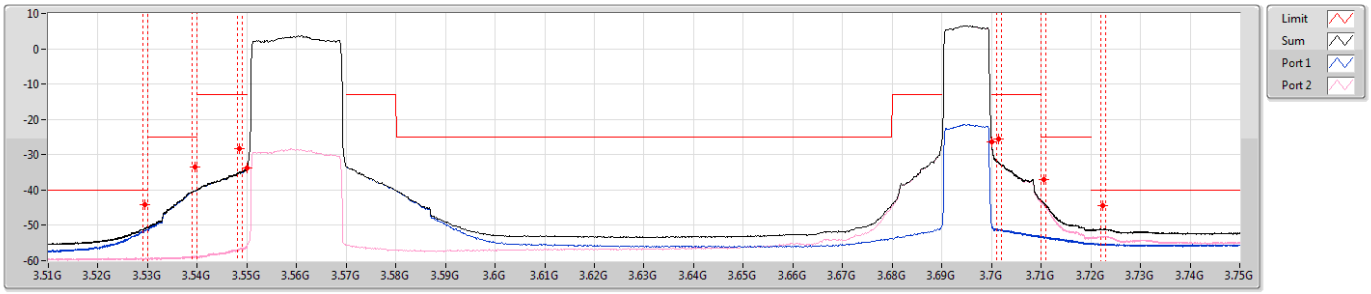
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-48.40	-40.00	-8.40	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-44.77	-25.00	-19.77	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-31.15	-13.00	-18.15	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-29.59	-13.00	-16.59	-	-	-29.60	-56.16
3.7G	3.701G	200k	620k	RMS	3.70002G	-38.95	-13.00	-25.95	-	-	-53.35	-39.11
3.701G	3.71G	200k	620k	RMS	3.7015G	-34.45	-13.00	-21.45	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-38.18	-25.00	-13.18	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.61	-40.00	-2.61	MBW 1M	-	-	-

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

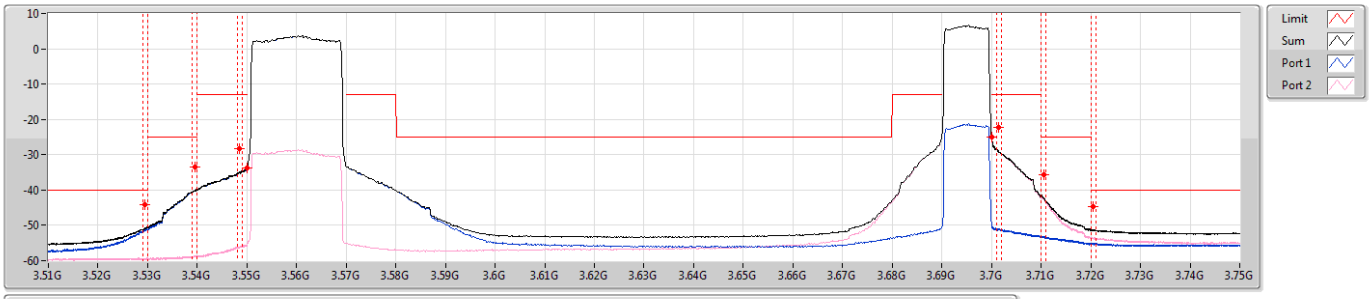
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-44.12	-40.00	-4.12	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-33.51	-25.00	-8.51	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-28.40	-13.00	-15.40	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.54999G	-33.75	-13.00	-20.75	-	-	-33.78	-56.10
3.7G	3.701G	200k	620k	RMS	3.7G	-26.41	-13.00	-13.41	-	-	-50.17	-26.43
3.701G	3.71G	200k	620k	RMS	3.7015G	-25.64	-13.00	-12.64	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-36.98	-25.00	-11.98	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7225G	-44.44	-40.00	-4.44	MBW 1M	-	-	-

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

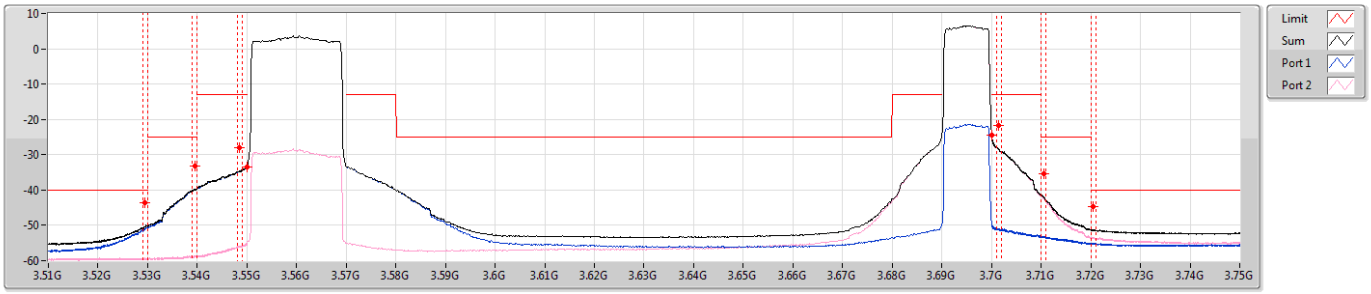
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-44.13	-40.00	-4.13	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-33.50	-25.00	-8.50	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-28.39	-13.00	-15.39	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.54999G	-33.77	-13.00	-20.77	-	-	-33.80	-55.75
3.7G	3.701G	200k	620k	RMS	3.7G	-25.08	-13.00	-12.08	-	-	-50.10	-25.09
3.701G	3.71G	200k	620k	RMS	3.7015G	-22.39	-13.00	-9.39	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-35.60	-25.00	-10.60	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-44.64	-40.00	-4.64	MBW 1M	-	-	-

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

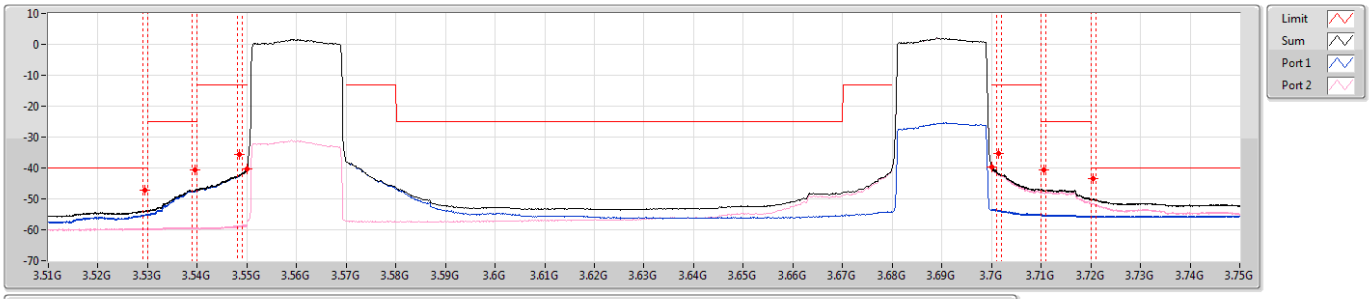
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-43.73	-40.00	-3.73	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-33.17	-25.00	-8.17	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-27.99	-13.00	-14.99	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.54997G	-33.45	-13.00	-20.45	-	-	-33.48	-55.46
3.7G	3.701G	200k	620k	RMS	3.7G	-24.37	-13.00	-11.37	-	-	-49.48	-24.38
3.701G	3.71G	200k	620k	RMS	3.7015G	-21.84	-13.00	-8.84	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-35.35	-25.00	-10.35	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-44.62	-40.00	-4.62	MBW 1M	-	-	-

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **CSE-TX-Sum**

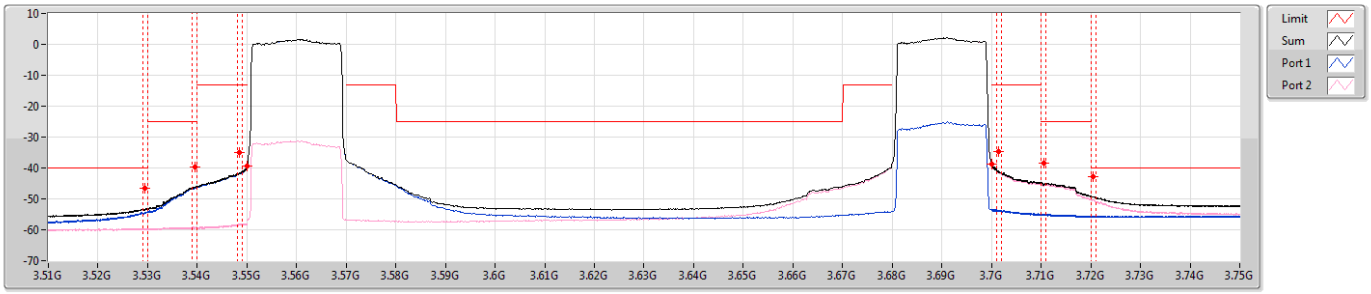
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-47.28	-40.00	-7.28	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-40.56	-25.00	-15.56	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-35.64	-13.00	-22.64	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-40.16	-13.00	-27.16	-	-	-40.22	-58.66
3.7G	3.701G	200k	620k	RMS	3.7G	-39.56	-13.00	-26.56	-	-	-53.70	-39.73
3.701G	3.71G	200k	620k	RMS	3.7015G	-35.18	-13.00	-22.18	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-40.54	-25.00	-15.54	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-43.55	-40.00	-3.55	MBW 1M	-	-	-

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **CSE-TX-Sum**

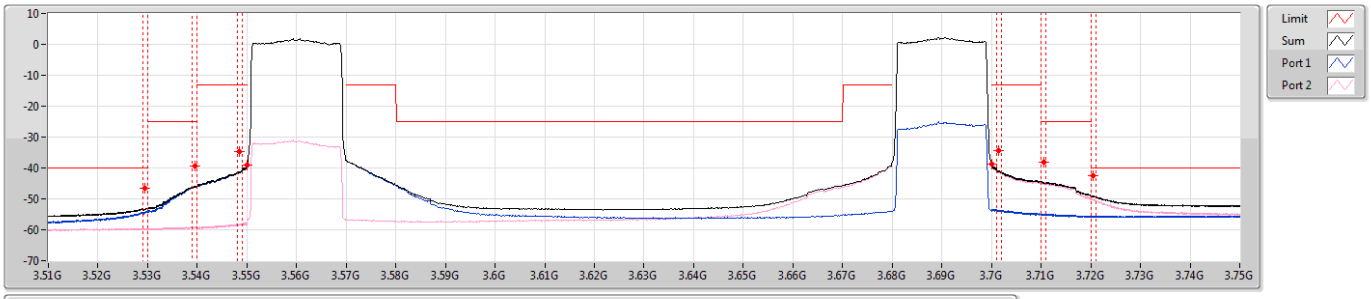
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-46.68	-40.00	-6.68	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-39.54	-25.00	-14.54	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-34.98	-13.00	-21.98	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.54999G	-39.50	-13.00	-26.50	-	-	-39.56	-58.23
3.7G	3.701G	200k	620k	RMS	3.7G	-38.64	-13.00	-25.64	-	-	-53.67	-38.78
3.701G	3.71G	200k	620k	RMS	3.7015G	-34.56	-13.00	-21.56	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-38.40	-25.00	-13.40	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.66	-40.00	-2.66	MBW 1M	-	-	-

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **CSE-TX-Sum**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
3.51G	3.53G	200k	620k	RMS	3.5295G	-46.58	-40.00	-6.58	MBW 1M	-	-	-
3.53G	3.54G	200k	620k	RMS	3.5395G	-39.34	-25.00	-14.34	MBW 1M	-	-	-
3.54G	3.549G	200k	620k	RMS	3.5485G	-34.60	-13.00	-21.60	MBW 1M	-	-	-
3.549G	3.55G	200k	620k	RMS	3.55G	-39.11	-13.00	-26.11	-	-	-39.17	-58.01
3.7G	3.701G	200k	620k	RMS	3.70001G	-38.87	-13.00	-25.87	-	-	-53.64	-39.02
3.701G	3.71G	200k	620k	RMS	3.7015G	-34.37	-13.00	-21.37	MBW 1M	-	-	-
3.71G	3.72G	200k	620k	RMS	3.7105G	-38.02	-25.00	-13.02	MBW 1M	-	-	-
3.72G	3.75G	200k	620k	RMS	3.7205G	-42.52	-40.00	-2.52	MBW 1M	-	-	-

Single-carrier
Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 48	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	9.738M	8.94M	8M94G7D	9.613M	8.913M
LTE_10MHz_Nss1,16QAM_2TX	9.888M	8.931M	8M93W7D	9.7M	8.907M
LTE_10MHz_Nss1,64QAM_2TX	9.875M	8.93M	8M93W7D	9.7M	8.921M
LTE_20MHz_Nss1,QPSK_2TX	19.075M	17.839M	17M8G7D	18.925M	17.804M
LTE_20MHz_Nss1,16QAM_2TX	18.975M	17.832M	17M8W7D	18.75M	17.792M
LTE_20MHz_Nss1,64QAM_2TX	19.075M	17.841M	17M8W7D	18.8M	17.81M

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;

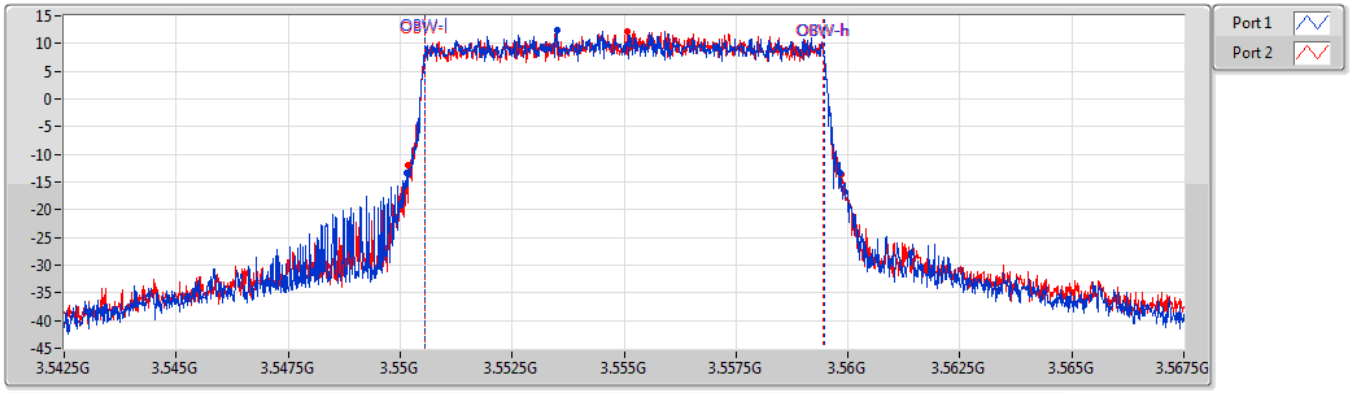
Result

Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Port 2-NdB (Hz)	Port 2-OBW (Hz)
Band 48_LTE_10MHz_Nss1_2TX	-	-	-	-	-	-
3555MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.7M	8.915M	9.663M	8.915M
3625MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.713M	8.94M	9.613M	8.92M
3695MHz_QPSK_RB 50,#RB 0	Pass	Inf	9.688M	8.913M	9.738M	8.922M
3555MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.75M	8.926M	9.825M	8.919M
3625MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.775M	8.924M	9.825M	8.907M
3695MHz_16QAM_RB 50,#RB 0	Pass	Inf	9.888M	8.909M	9.7M	8.931M
3555MHz_64QAM_RB 50,#RB 0	Pass	Inf	9.713M	8.927M	9.825M	8.921M
3625MHz_64QAM_RB 50,#RB 0	Pass	Inf	9.838M	8.927M	9.875M	8.921M
3695MHz_64QAM_RB 50,#RB 0	Pass	Inf	9.813M	8.93M	9.7M	8.924M
Band 48_LTE_20MHz_Nss1_2TX	-	-	-	-	-	-
3560MHz_QPSK_RB 100,#RB 0	Pass	Inf	18.925M	17.804M	18.975M	17.806M
3625MHz_QPSK_RB 100,#RB 0	Pass	Inf	18.95M	17.811M	18.925M	17.837M
3690MHz_QPSK_RB 100,#RB 0	Pass	Inf	18.925M	17.813M	19.075M	17.839M
3560MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.975M	17.793M	18.75M	17.822M
3625MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.95M	17.792M	18.975M	17.832M
3690MHz_16QAM_RB 100,#RB 0	Pass	Inf	18.9M	17.8M	18.775M	17.794M
3560MHz_64QAM_RB 100,#RB 0	Pass	Inf	18.8M	17.815M	18.825M	17.83M
3625MHz_64QAM_RB 100,#RB 0	Pass	Inf	18.875M	17.83M	18.9M	17.81M
3690MHz_64QAM_RB 100,#RB 0	Pass	Inf	19.075M	17.841M	18.975M	17.818M

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

Band 48_LTE_10MHz_Nss1,QPSK_2TX **EBW**

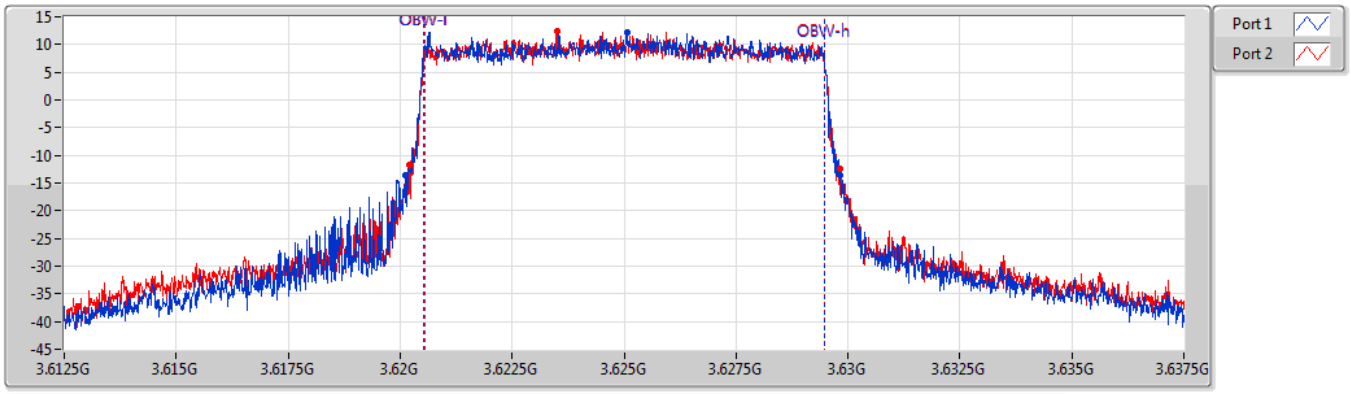
3555MHz_QPSK_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.7M	3.550138G	3.559838G	8.915M	3.550549G	3.559464G	1	3.555G	25M	100k	300k
9.663M	3.550188G	3.55985G	8.915M	3.550544G	3.559459G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,QPSK_2TX **EBW**

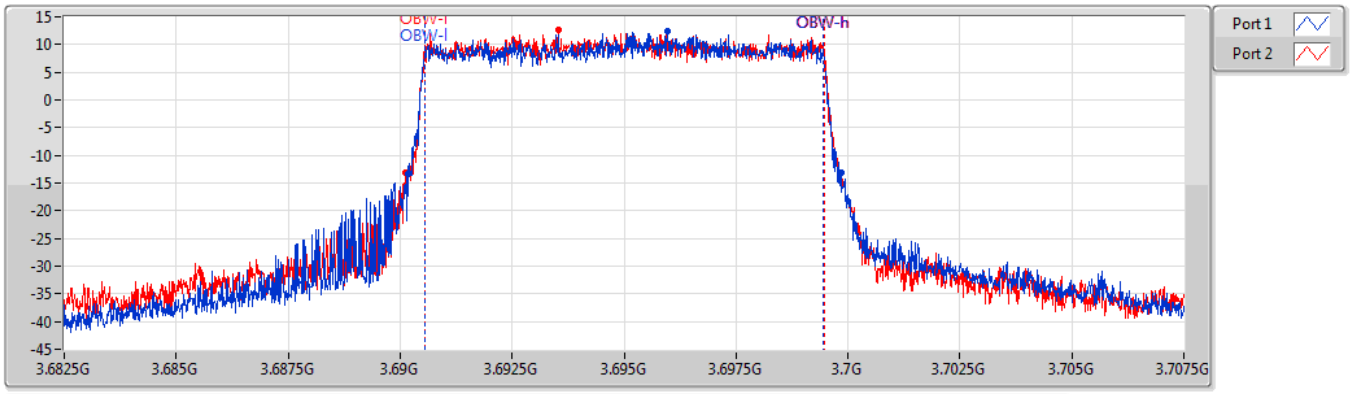
3625MHz_QPSK_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.713M	3.620113G	3.629825G	8.94M	3.620524G	3.629464G	1	3.625G	25M	100k	300k
9.613M	3.6202G	3.629813G	8.92M	3.620546G	3.629466G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,QPSK_2TX **EBW**

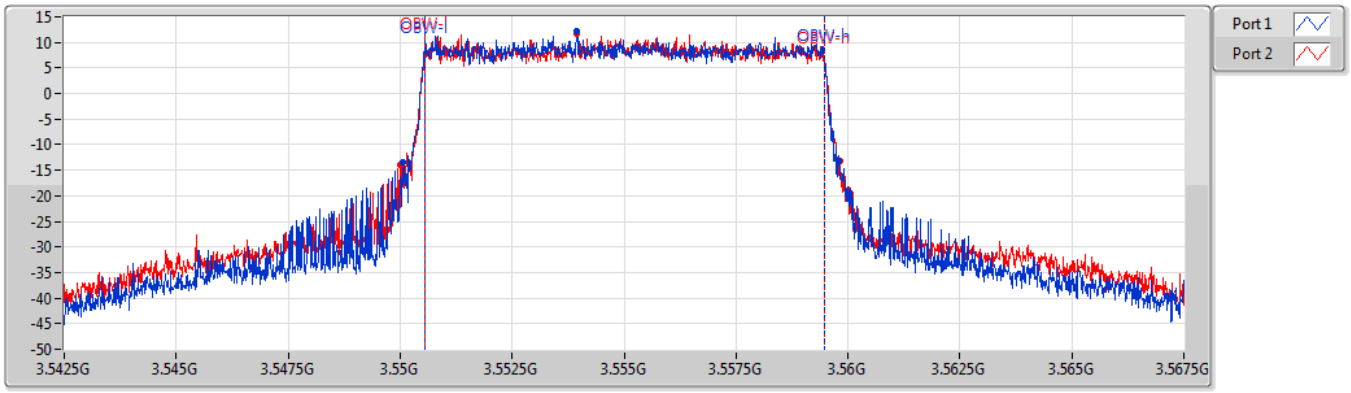
3695MHz_QPSK_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.688M	3.690163G	3.69985G	8.913M	3.690542G	3.699455G	1	3.695G	25M	100k	300k
9.738M	3.690125G	3.699863G	8.922M	3.690547G	3.699469G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX **EBW**

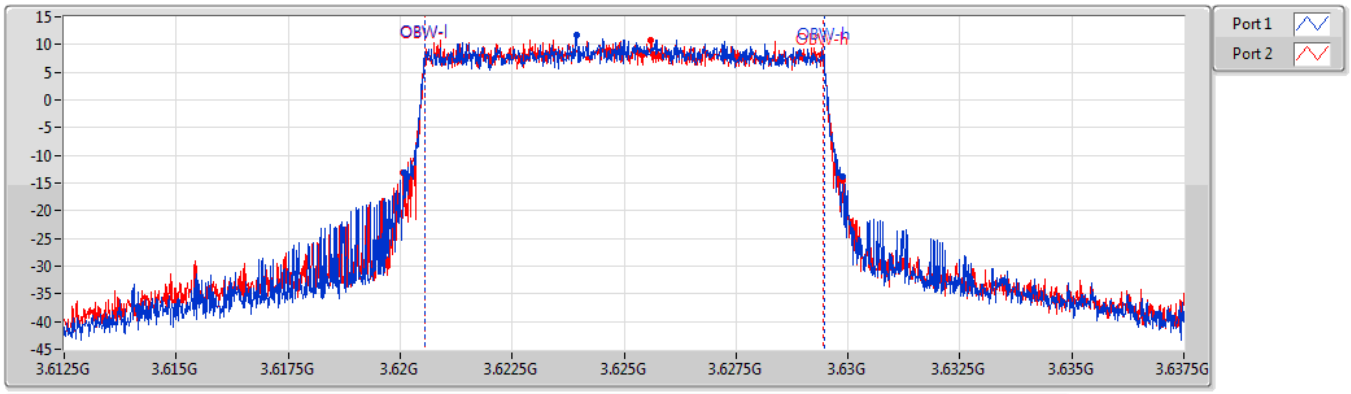
3555MHz_16QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.75M	3.55005G	3.5598G	8.926M	3.550539G	3.559465G	1	3.555G	25M	100k	300k
9.825M	3.55G	3.559825G	8.919M	3.550546G	3.559466G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX **EBW**

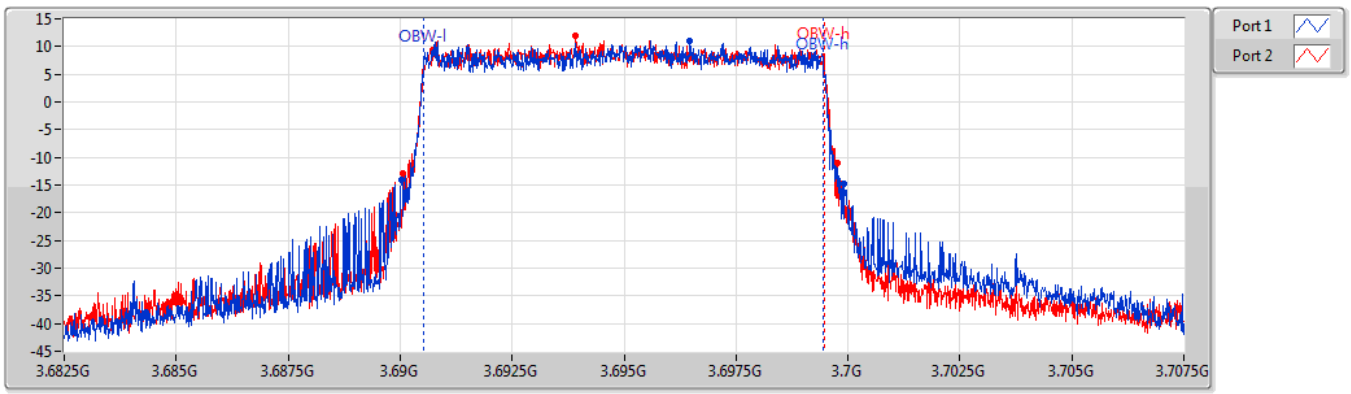
3625MHz_16QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.775M	3.6201G	3.629875G	8.924M	3.620541G	3.629465G	1	3.625G	25M	100k	300k
9.825M	3.620063G	3.629888G	8.907M	3.620549G	3.629456G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX **EBW**

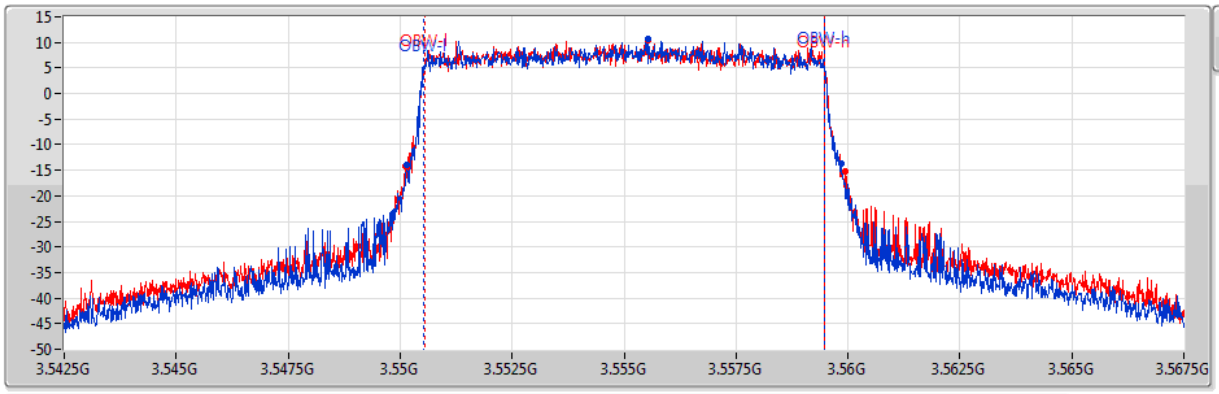
3695MHz_16QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.888M	3.690025G	3.699913G	8.909M	3.690537G	3.699446G	1	3.695G	25M	100k	300k
9.7M	3.690063G	3.699763G	8.931M	3.690536G	3.699466G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX **EBW**

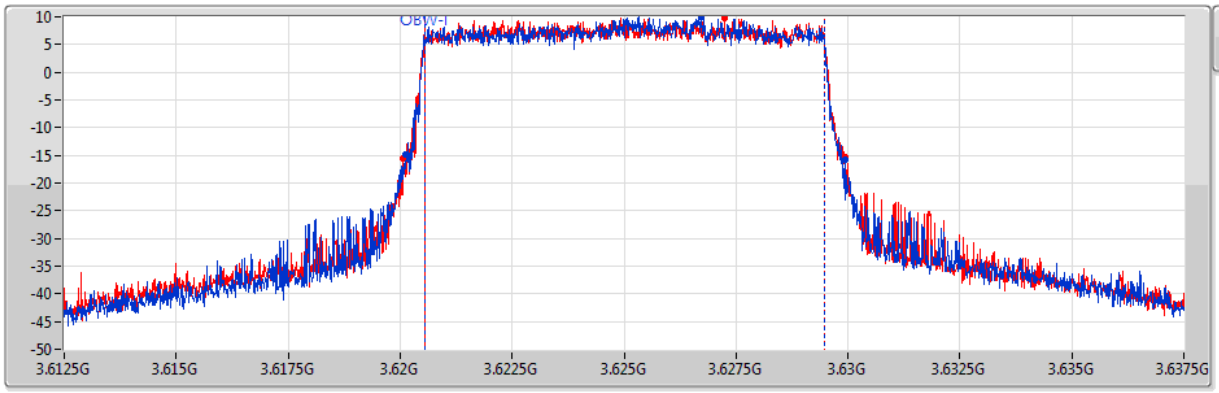
3555MHz_64QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.713M	3.550138G	3.55985G	8.927M	3.550535G	3.559462G	1	3.555G	25M	100k	300k
9.825M	3.550113G	3.559938G	8.921M	3.550547G	3.559468G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX **EBW**

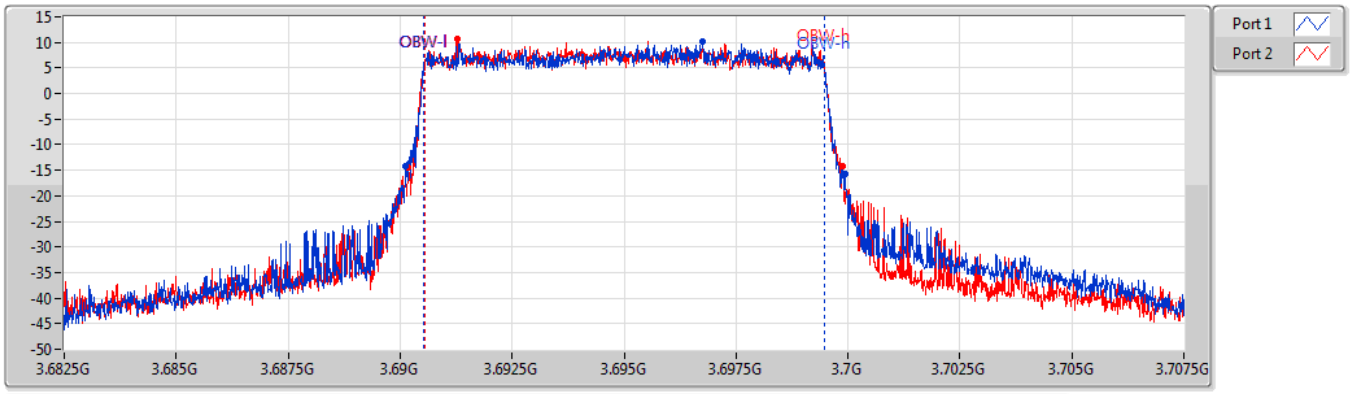
3625MHz_64QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.838M	3.620113G	3.62995G	8.927M	3.62054G	3.629467G	1	3.625G	25M	100k	300k
9.875M	3.62005G	3.629925G	8.921M	3.620543G	3.629464G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX **EBW**

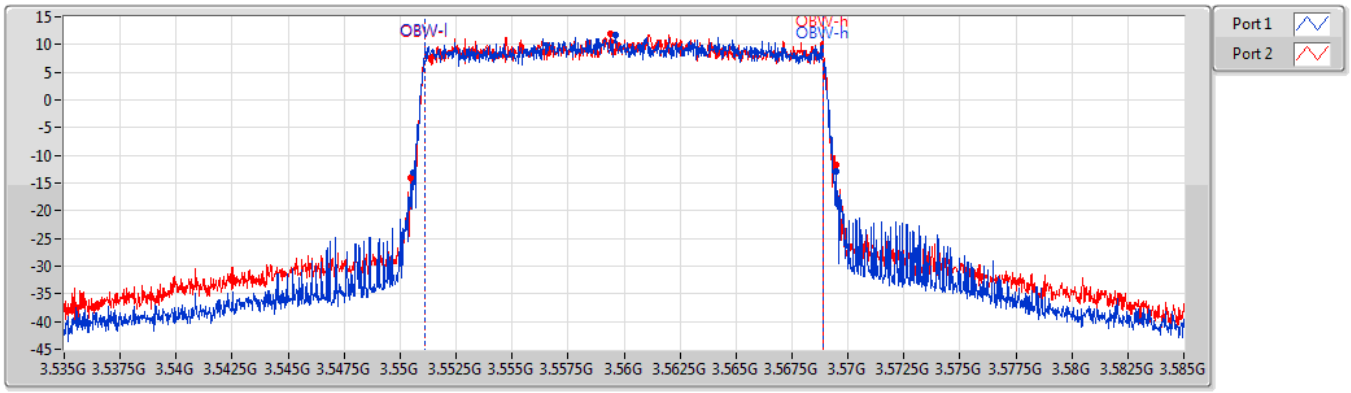
3695MHz_64QAM_RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.813M	3.690125G	3.699938G	8.93M	3.690538G	3.699468G	1	3.695G	25M	100k	300k
9.7M	3.690188G	3.699888G	8.924M	3.690542G	3.699467G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz_Nss1,QPSK_2TX **EBW**

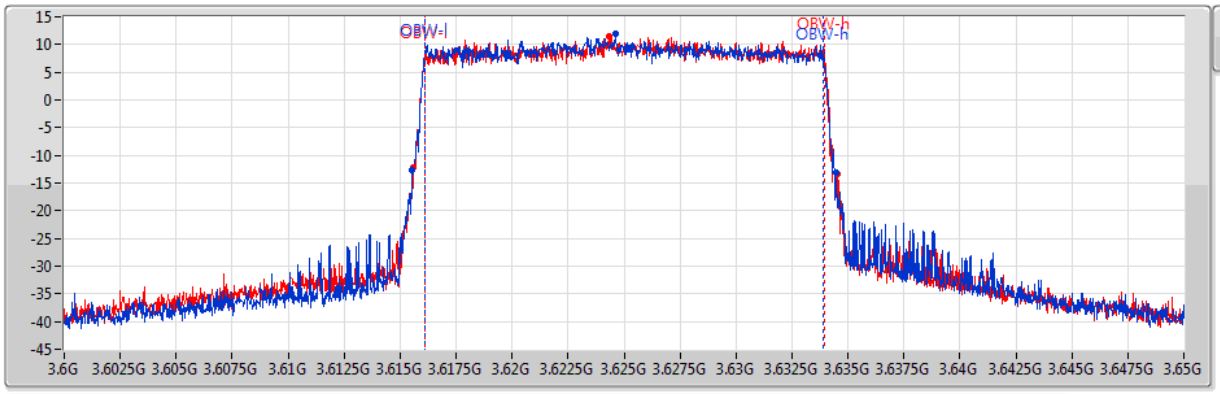
3560MHz_QPSK_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.925M	3.550575G	3.5695G	17.804M	3.551093G	3.568897G	1	3.56G	50M	200k	1M
18.975M	3.550475G	3.56945G	17.806M	3.551098G	3.568904G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,QPSK_2TX **EBW**

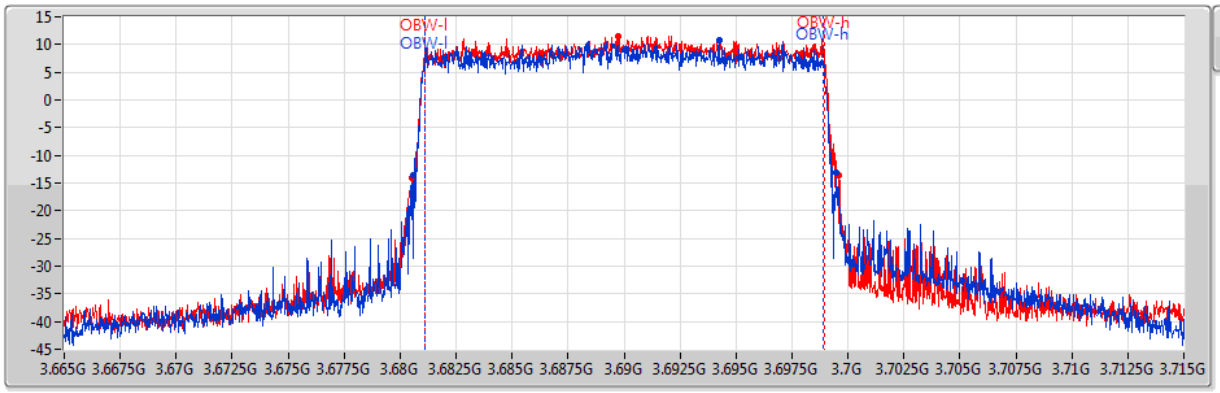
3625MHz_QPSK_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.95M	3.615525G	3.634475G	17.811M	3.616098G	3.633909G	1	3.625G	50M	200k	1M
18.925M	3.6156G	3.634525G	17.837M	3.616098G	3.633935G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,QPSK_2TX **EBW**

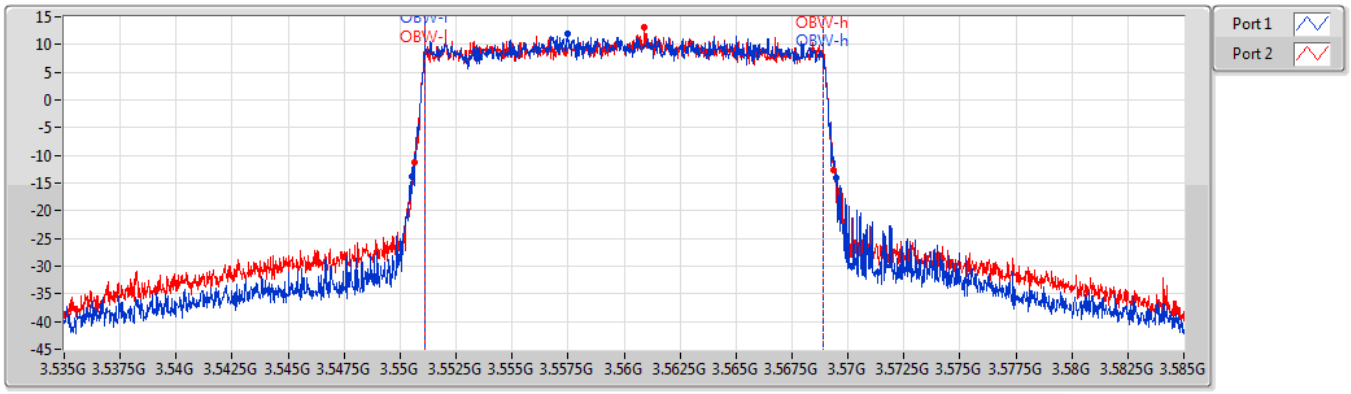
3690MHz_QPSK_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.925M	3.680575G	3.6995G	17.813M	3.68108G	3.698892G	1	3.69G	50M	200k	1M
19.075M	3.6805G	3.699575G	17.839M	3.681096G	3.698934G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX **EBW**

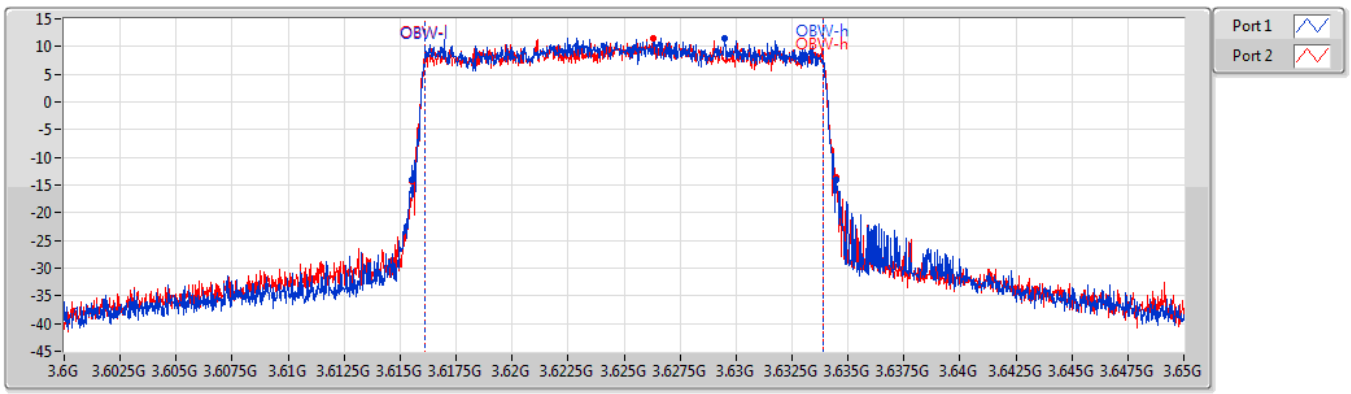
3560MHz_16QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.975M	3.550525G	3.5695G	17.793M	3.551098G	3.568891G	1	3.56G	50M	200k	1M
18.75M	3.550625G	3.569375G	17.822M	3.551089G	3.568911G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX **EBW**

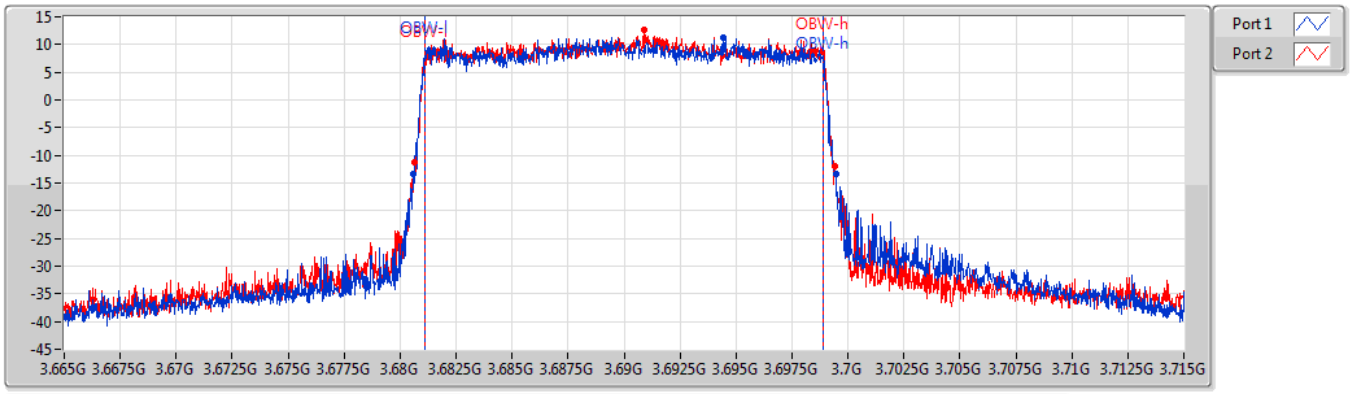
3625MHz_16QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.95M	3.615525G	3.634475G	17.792M	3.616103G	3.633895G	1	3.625G	50M	200k	1M
18.975M	3.615525G	3.6345G	17.832M	3.616084G	3.633916G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX **EBW**

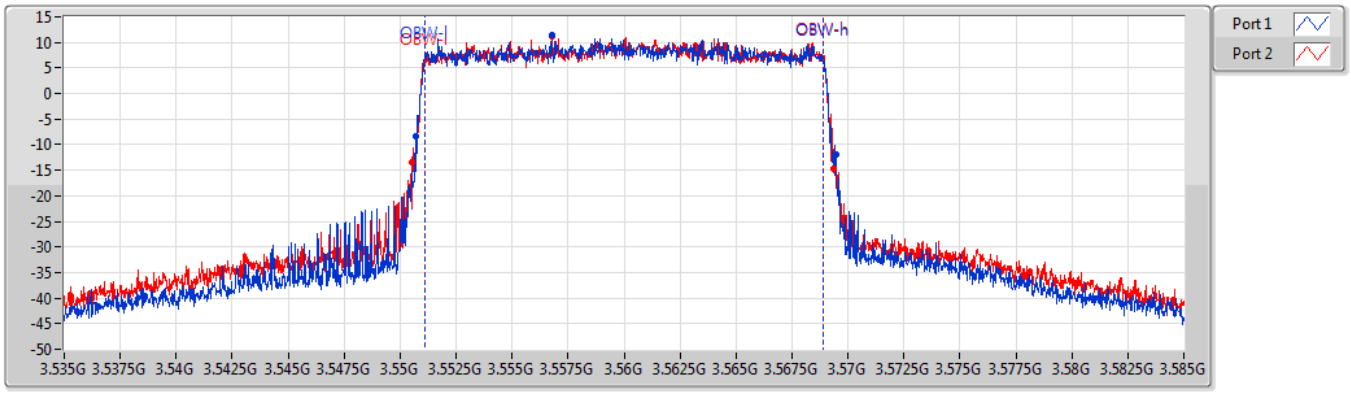
3690MHz_16QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.9M	3.680575G	3.699475G	17.8M	3.681089G	3.698889G	1	3.69G	50M	200k	1M
18.775M	3.680625G	3.6994G	17.794M	3.681122G	3.698916G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX **EBW**

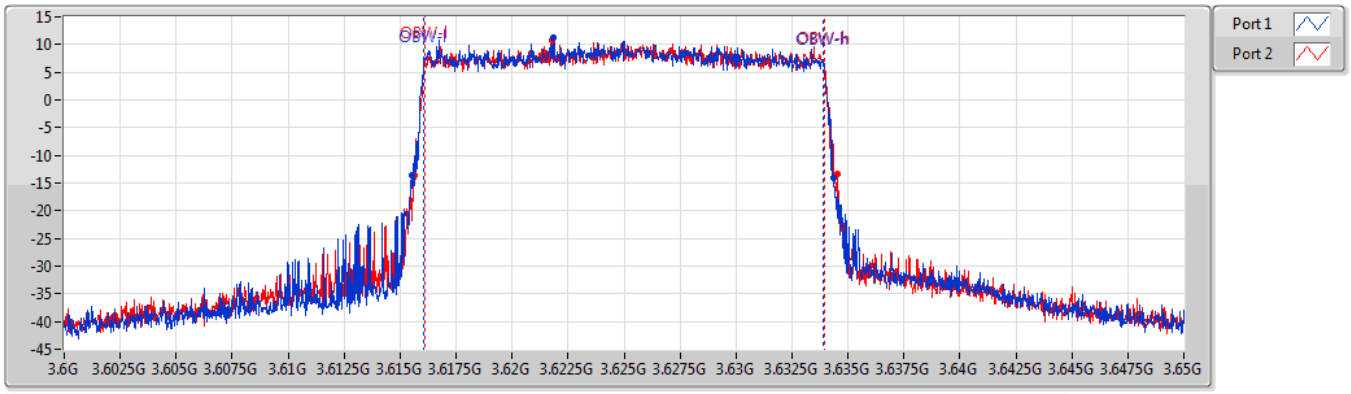
3560MHz_64QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.8M	3.550675G	3.569475G	17.815M	3.551096G	3.56891G	1	3.56G	50M	200k	1M
18.825M	3.550525G	3.56935G	17.83M	3.551091G	3.568921G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX **EBW**

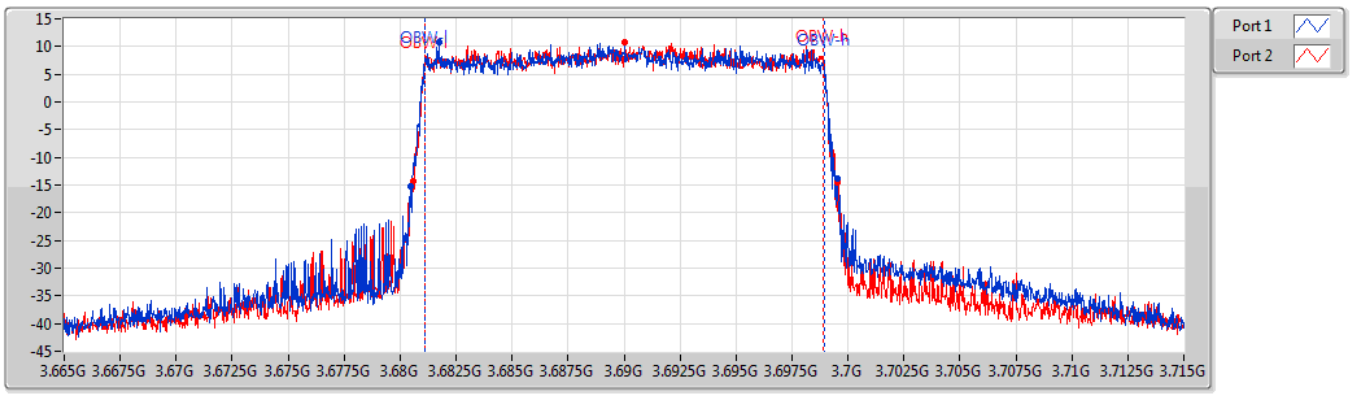
3625MHz_64QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.875M	3.6155G	3.634375G	17.83M	3.616076G	3.633905G	1	3.625G	50M	200k	1M
18.9M	3.615625G	3.634525G	17.81M	3.616115G	3.633925G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX **EBW**

3690MHz_64QAM_RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
19.075M	3.68045G	3.699525G	17.841M	3.681082G	3.698923G	1	3.69G	50M	200k	1M
18.975M	3.680575G	3.69955G	17.818M	3.681099G	3.698917G	2	3.69G	50M	200k	1M

Multi-carrier
Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code
Band 48	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	19.476M	17.846M	17M8G7D
LTE_10MHz+10MHz_Nss1,16QAM_2TX	19.75M	17.84M	17M9W7D
LTE_10MHz+10MHz_Nss1,64QAM_2TX	19.6M	17.853M	17M9W7D
LTE_10MHz+20MHz_Nss1,QPSK_2TX	28.65M	26.727M	26M7G7D
LTE_10MHz+20MHz_Nss1,16QAM_2TX	28.6M	26.769M	26M7W7D
LTE_10MHz+20MHz_Nss1,64QAM_2TX	28.763M	26.757M	26M8W7D
LTE_20MHz+10MHz_Nss1,QPSK_2TX	28.625M	26.74M	26M8G7D
LTE_20MHz+10MHz_Nss1,16QAM_2TX	28.638M	26.734M	26M8W7D
LTE_20MHz+10MHz_Nss1,64QAM_2TX	28.85M	26.749M	26M8W7D
LTE_20MHz+20MHz_Nss1,QPSK_2TX	37.875M	35.628M	35M7G7D
LTE_20MHz+20MHz_Nss1,16QAM_2TX	37.65M	35.622M	35M7W7D
LTE_20MHz+20MHz_Nss1,64QAM_2TX	37.95M	35.683M	35M7W7D

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

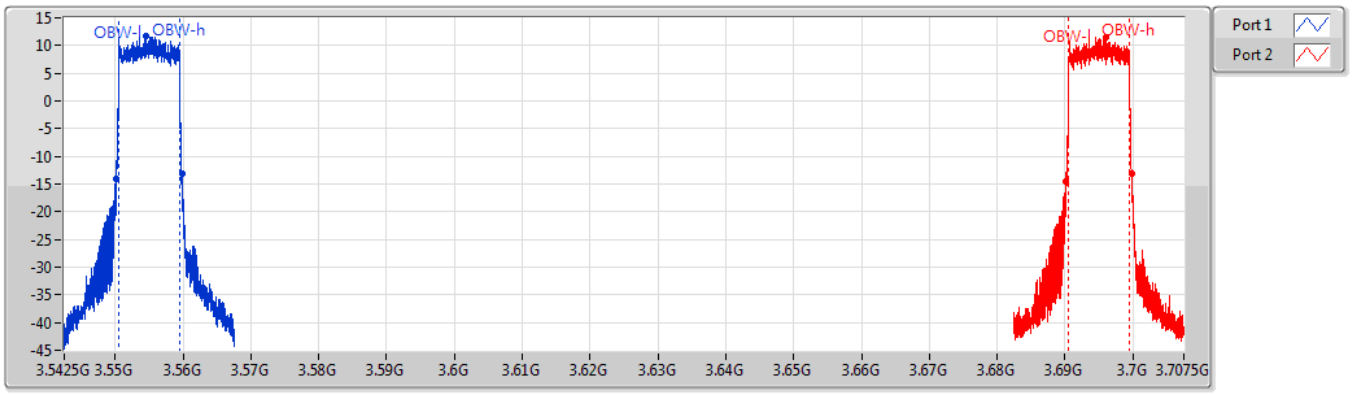
Mode	Result	Limit (Hz)	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Port 2-NdB (Hz)	Port 2-OBW (Hz)
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	9.738M	8.921M	9.738M	8.925M
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	9.875M	8.924M	9.875M	8.916M
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	9.775M	8.923M	9.825M	8.93M
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	9.725M	8.925M	18.925M	17.802M
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	9.775M	8.931M	18.825M	17.838M
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	9.763M	8.925M	19M	17.832M
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	18.9M	17.807M	9.725M	8.933M
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	18.85M	17.812M	9.788M	8.922M
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	19.025M	17.814M	9.825M	8.935M
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	18.925M	17.817M	18.95M	17.811M
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	18.8M	17.801M	18.85M	17.821M
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	19M	17.852M	18.95M	17.831M

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

Mode	Result	Limit (Hz)	Port 1 + Port 2 -NdB (Hz)	Port 1 + Port 2 -OBW (Hz)
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	19.476M	17.846M
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	19.75M	17.84M
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	Inf	19.6M	17.853M
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	28.65M	26.727M
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	28.6M	26.769M
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	Inf	28.763M	26.757M
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	28.625M	26.74M
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	28.638M	26.734M
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	Inf	28.85M	26.749M
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	37.875M	35.628M
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	37.65M	35.622M
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	Inf	37.95M	35.683M

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **EBW**

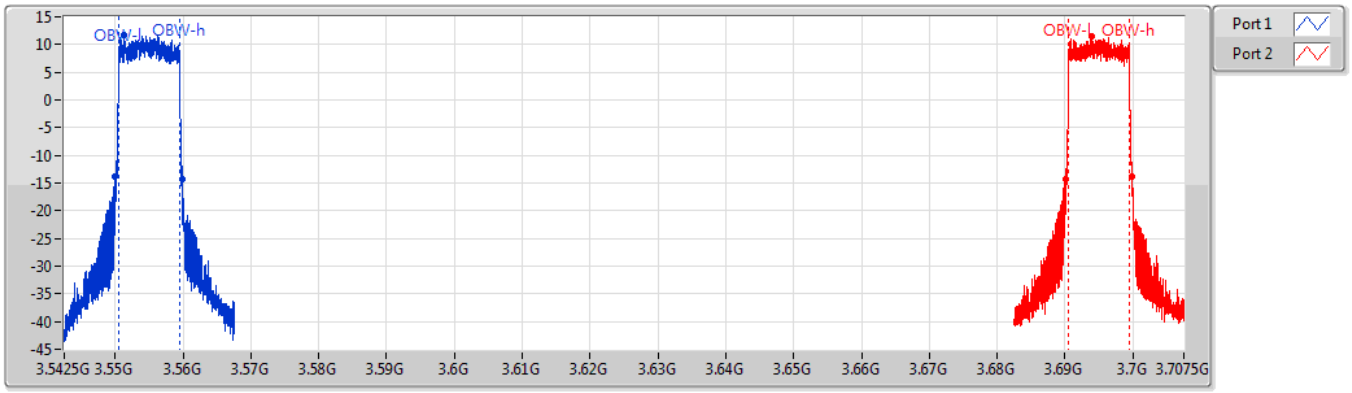
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.738M	3.550113G	3.55985G	8.921M	3.550543G	3.559464G	1	3.555G	25M	100k	300k
9.738M	3.6901G	3.699838G	8.925M	3.690543G	3.699468G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **EBW**

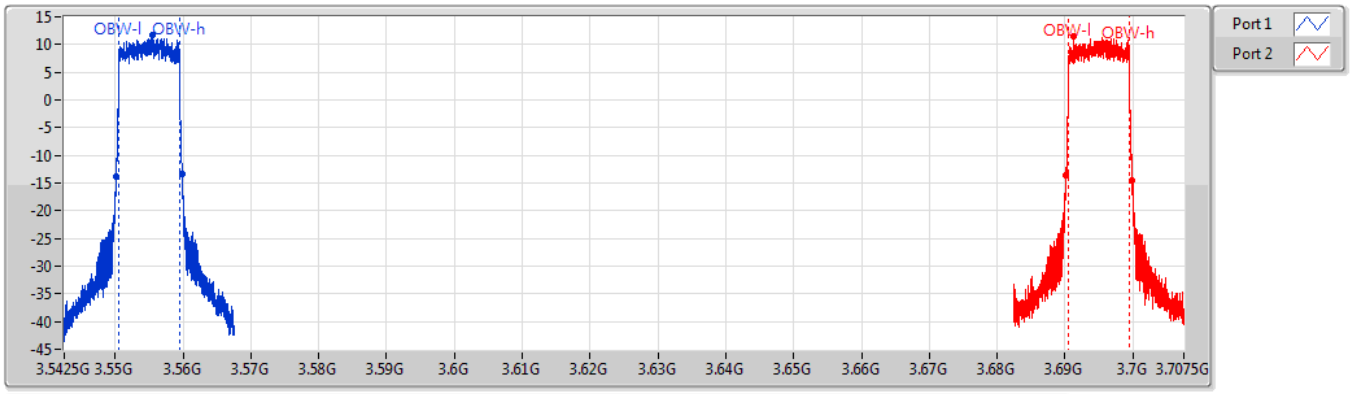
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.875M	3.550013G	3.559888G	8.924M	3.550545G	3.559469G	1	3.555G	25M	100k	300k
9.875M	3.690013G	3.699888G	8.916M	3.690547G	3.699464G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **EBW**

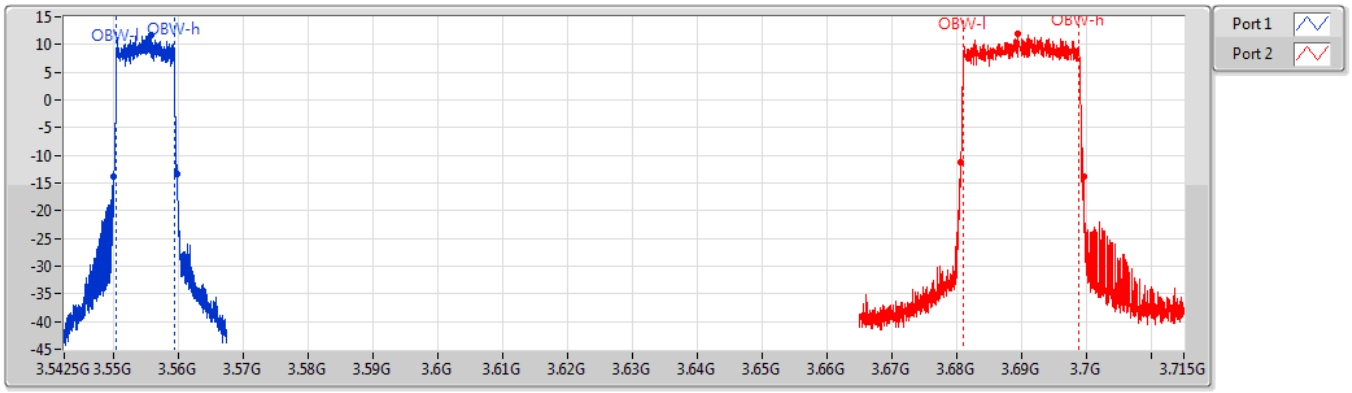
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.775M	3.550125G	3.5599G	8.923M	3.550539G	3.559461G	1	3.555G	25M	100k	300k
9.825M	3.690113G	3.699938G	8.93M	3.690536G	3.699466G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **EBW**

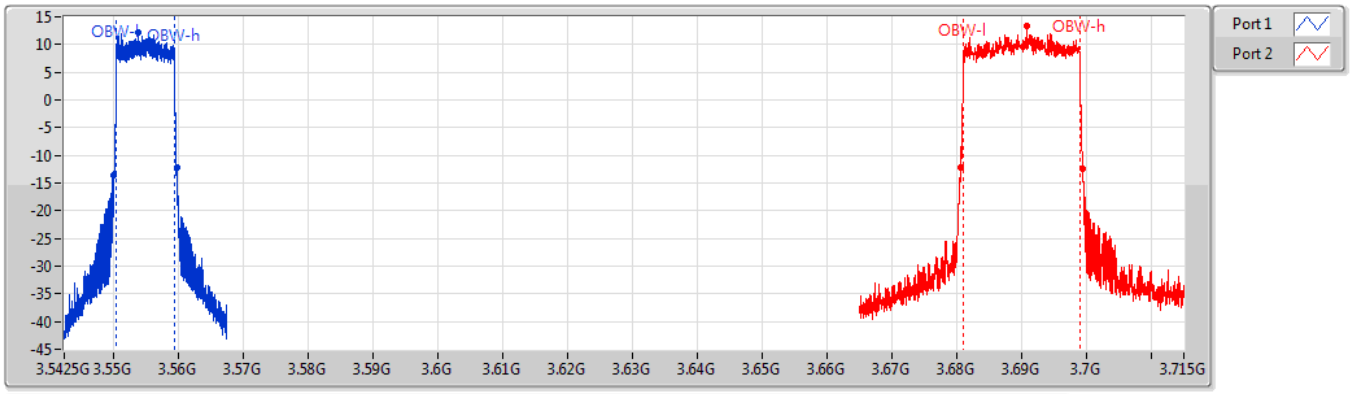
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.725M	3.550125G	3.55985G	8.925M	3.550535G	3.559461G	1	3.555G	25M	100k	300k
18.925M	3.6806G	3.699525G	17.802M	3.681101G	3.698903G	2	3.69G	50M	200k	1M

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **EBW**

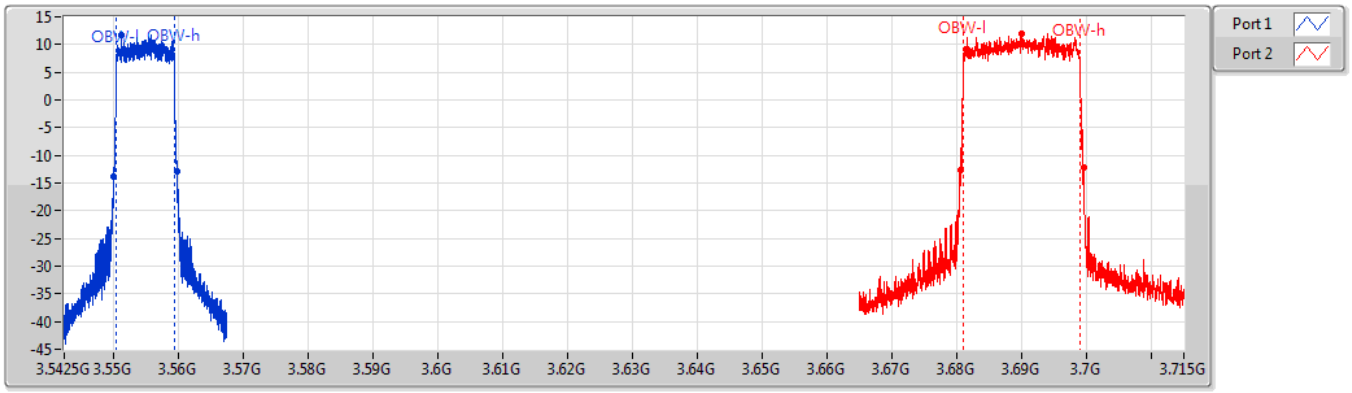
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.775M	3.550038G	3.559813G	8.931M	3.550541G	3.559472G	1	3.555G	25M	100k	300k
18.825M	3.680575G	3.6994G	17.838M	3.681078G	3.698916G	2	3.69G	50M	200k	1M

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **EBW**

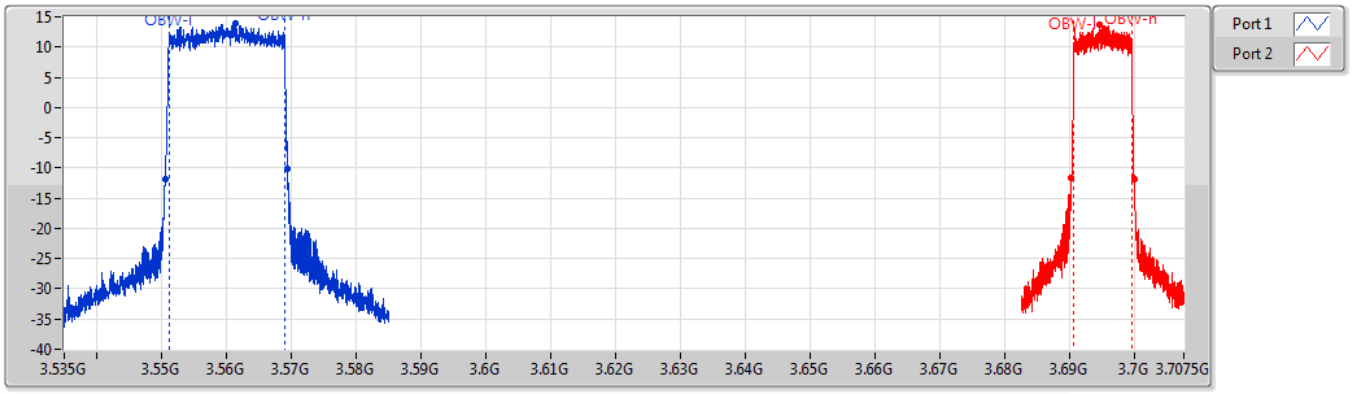
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.763M	3.550113G	3.559875G	8.925M	3.550544G	3.559469G	1	3.555G	25M	100k	300k
19M	3.680525G	3.699525G	17.832M	3.681086G	3.698918G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **EBW**

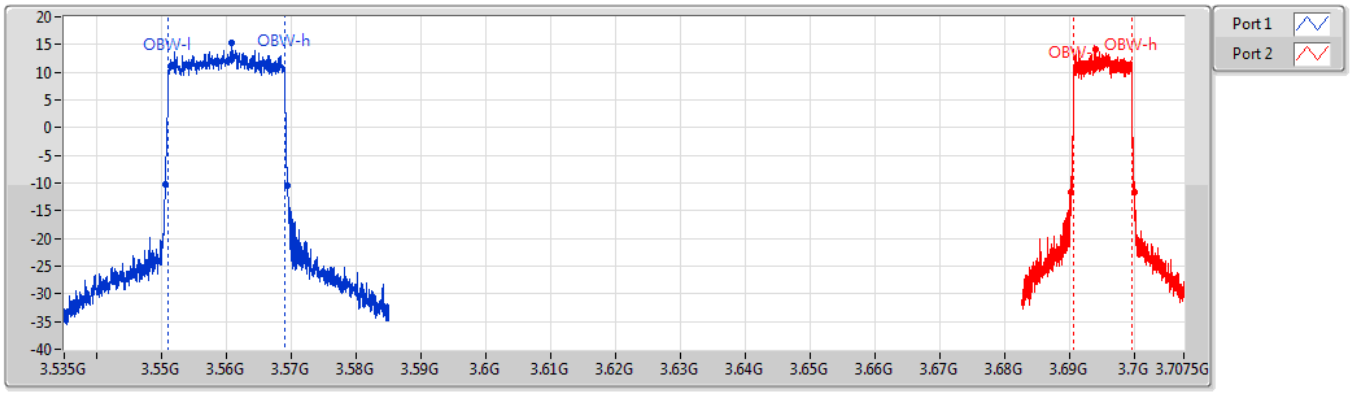
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.9M	3.55055G	3.56945G	17.807M	3.551108G	3.568915G	1	3.56G	50M	200k	1M
9.725M	3.690125G	3.69985G	8.933M	3.690534G	3.699467G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **EBW**

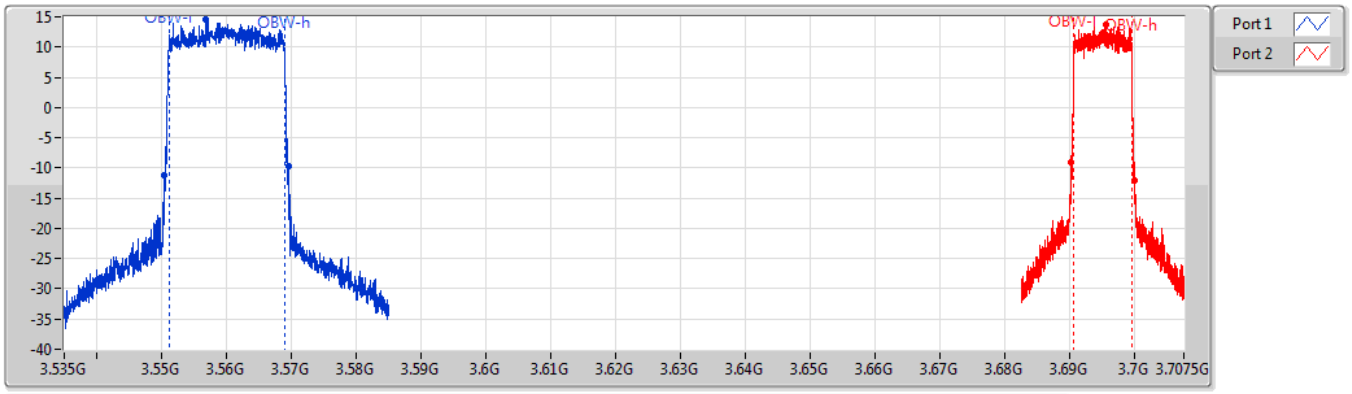
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.85M	3.55055G	3.5694G	17.812M	3.551088G	3.5689G	1	3.56G	50M	200k	1M
9.788M	3.690063G	3.69985G	8.922M	3.690543G	3.699465G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **EBW**

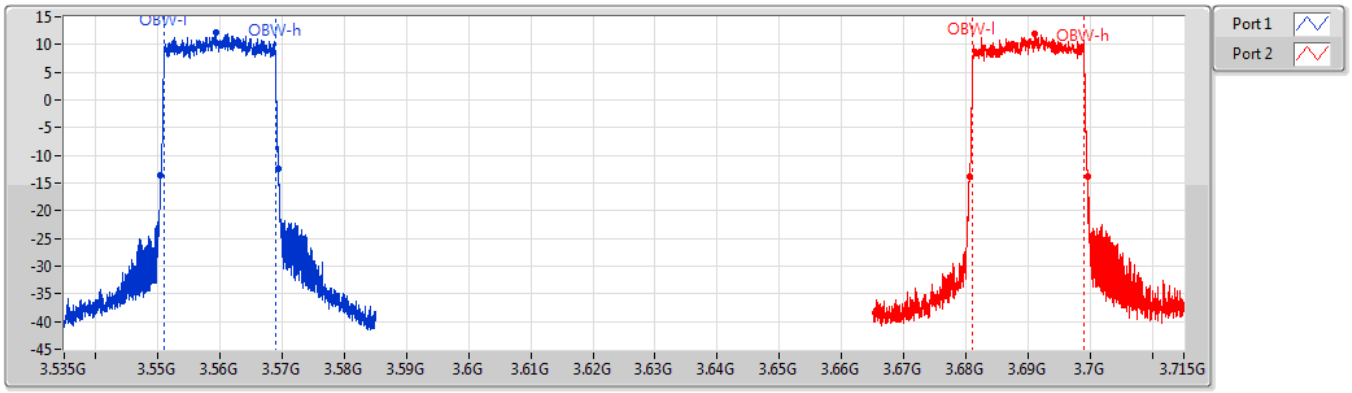
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
19.025M	3.550475G	3.5695G	17.814M	3.551093G	3.568906G	1	3.56G	50M	200k	1M
9.825M	3.690125G	3.69995G	8.935M	3.690537G	3.699472G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **EBW**

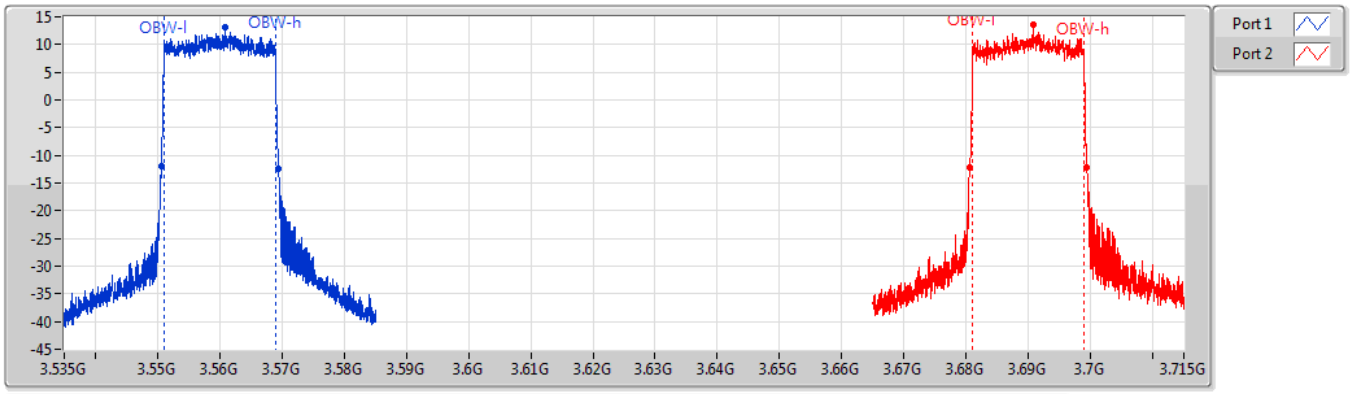
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.925M	3.5505G	3.569425G	17.817M	3.551094G	3.568911G	1	3.56G	50M	200k	1M
18.95M	3.68055G	3.6995G	17.811M	3.681105G	3.698916G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **EBW**

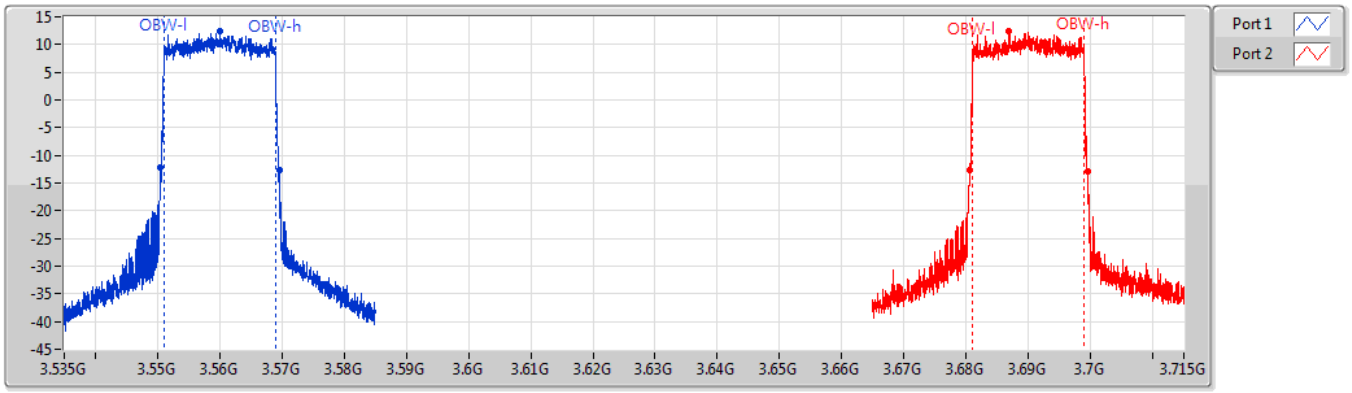
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.8M	3.550575G	3.569375G	17.801M	3.551103G	3.568904G	1	3.56G	50M	200k	1M
18.85M	3.680575G	3.699425G	17.821M	3.681085G	3.698907G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **EBW**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
19M	3.550525G	3.569525G	17.852M	3.551073G	3.568925G	1	3.56G	50M	200k	1M
18.95M	3.680525G	3.699475G	17.831M	3.681088G	3.698919G	2	3.69G	50M	200k	1M

Single-carrier
Summary

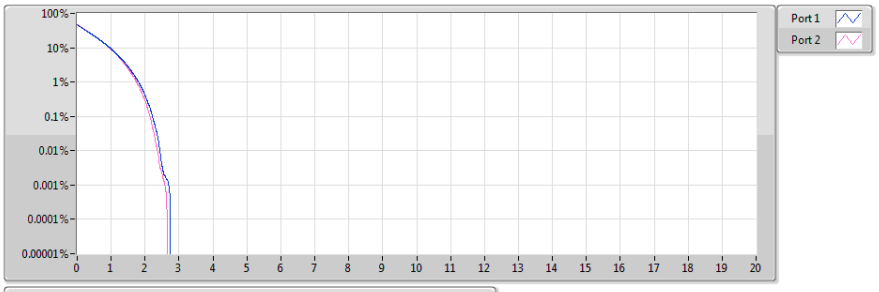
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	Pass	3555	13.00	5.53	1
LTE_10MHz_Nss1,16QAM_2TX	Pass	3555	13.00	6.18	1
LTE_10MHz_Nss1,64QAM_2TX	Pass	3695	13.00	6.49	1
LTE_20MHz_Nss1,QPSK_2TX	Pass	3690	13.00	5.71	1
LTE_20MHz_Nss1,16QAM_2TX	Pass	3690	13.00	6.40	1
LTE_20MHz_Nss1,64QAM_2TX	Pass	3690	13.00	6.51	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48_LTE_10MHz_Nss1_2TX	-	-	-	-	-
3555MHz_QPSK_RB 50,#RB 0	Pass	3555	13.00	5.53	1
3555MHz_QPSK_RB 50,#RB 0	Pass	3555	13.00	5.36	2
3625MHz_QPSK_RB 50,#RB 0	Pass	3625	13.00	5.28	1
3625MHz_QPSK_RB 50,#RB 0	Pass	3625	13.00	5.11	2
3695MHz_QPSK_RB 50,#RB 0	Pass	3695	13.00	5.42	1
3695MHz_QPSK_RB 50,#RB 0	Pass	3695	13.00	5.10	2
3555MHz_16QAM_RB 50,#RB 0	Pass	3555	13.00	6.18	1
3555MHz_16QAM_RB 50,#RB 0	Pass	3555	13.00	5.90	2
3625MHz_16QAM_RB 50,#RB 0	Pass	3625	13.00	6.01	1
3625MHz_16QAM_RB 50,#RB 0	Pass	3625	13.00	5.86	2
3695MHz_16QAM_RB 50,#RB 0	Pass	3695	13.00	6.15	1
3695MHz_16QAM_RB 50,#RB 0	Pass	3695	13.00	5.90	2
3555MHz_64QAM_RB 50,#RB 0	Pass	3555	13.00	6.43	1
3555MHz_64QAM_RB 50,#RB 0	Pass	3555	13.00	6.25	2
3625MHz_64QAM_RB 50,#RB 0	Pass	3625	13.00	6.38	1
3625MHz_64QAM_RB 50,#RB 0	Pass	3625	13.00	6.24	2
3695MHz_64QAM_RB 50,#RB 0	Pass	3695	13.00	6.49	1
3695MHz_64QAM_RB 50,#RB 0	Pass	3695	13.00	6.39	2
Band 48_LTE_20MHz_Nss1_2TX	-	-	-	-	-
3560MHz_QPSK_RB 100,#RB 0	Pass	3560	13.00	5.55	1
3560MHz_QPSK_RB 100,#RB 0	Pass	3560	13.00	5.39	2
3625MHz_QPSK_RB 100,#RB 0	Pass	3625	13.00	5.59	1
3625MHz_QPSK_RB 100,#RB 0	Pass	3625	13.00	5.51	2
3690MHz_QPSK_RB 100,#RB 0	Pass	3690	13.00	5.71	1
3690MHz_QPSK_RB 100,#RB 0	Pass	3690	13.00	5.58	2
3560MHz_16QAM_RB 100,#RB 0	Pass	3560	13.00	6.26	1
3560MHz_16QAM_RB 100,#RB 0	Pass	3560	13.00	6.02	2
3625MHz_16QAM_RB 100,#RB 0	Pass	3625	13.00	6.27	1
3625MHz_16QAM_RB 100,#RB 0	Pass	3625	13.00	6.13	2
3690MHz_16QAM_RB 100,#RB 0	Pass	3690	13.00	6.40	1
3690MHz_16QAM_RB 100,#RB 0	Pass	3690	13.00	6.18	2
3560MHz_64QAM_RB 100,#RB 0	Pass	3560	13.00	6.41	1
3560MHz_64QAM_RB 100,#RB 0	Pass	3560	13.00	6.25	2
3625MHz_64QAM_RB 100,#RB 0	Pass	3625	13.00	6.42	1
3625MHz_64QAM_RB 100,#RB 0	Pass	3625	13.00	6.33	2
3690MHz_64QAM_RB 100,#RB 0	Pass	3690	13.00	6.51	1
3690MHz_64QAM_RB 100,#RB 0	Pass	3690	13.00	6.44	2

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PAR**

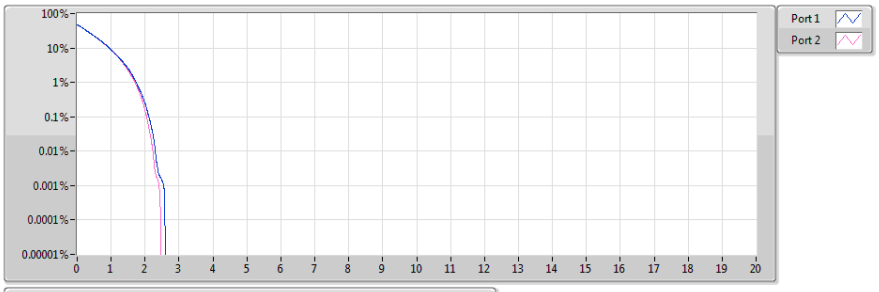
3555MHz_QPSK_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	20M	5.53	-7.47	13.00	1
3555	20M	5.36	-7.64	13.00	2

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PAR**

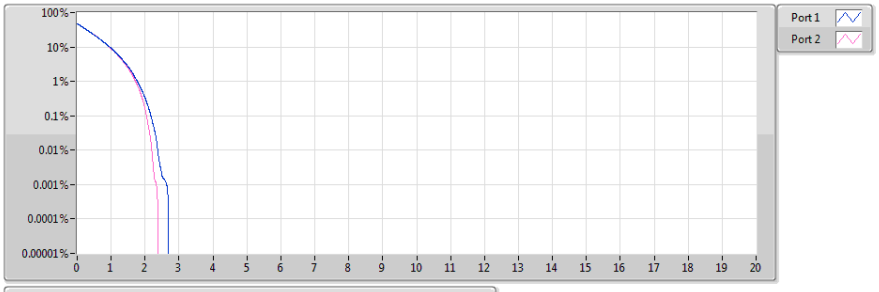
3625MHz_QPSK_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	5.28	-7.72	13.00	1
3625	20M	5.11	-7.89	13.00	2

Band 48_LTE_10MHz_Nss1,QPSK_2TX **PAR**

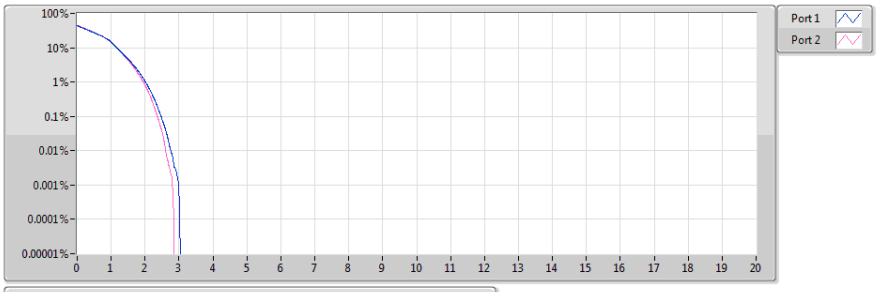
3695MHz_QPSK_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3695	20M	5.42	-7.58	13.00	1
3695	20M	5.10	-7.90	13.00	2

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PAR**

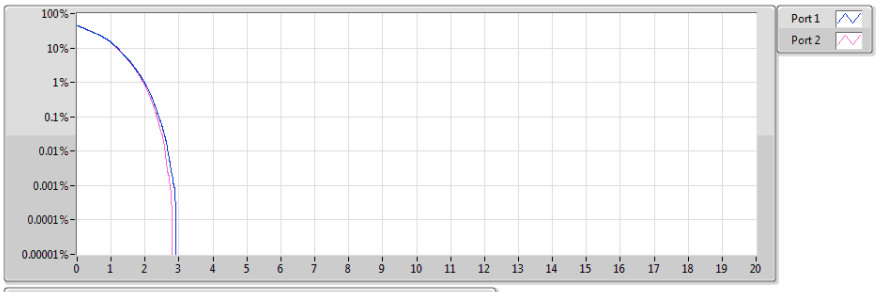
3555MHz_16QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	20M	6.18	-6.82	13.00	1
3555	20M	5.90	-7.10	13.00	2

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PAR**

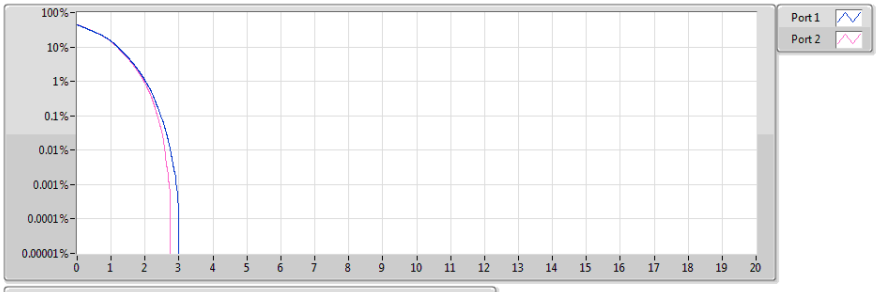
3625MHz_16QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	6.01	-6.99	13.00	1
3625	20M	5.86	-7.14	13.00	2

Band 48_LTE_10MHz_Nss1,16QAM_2TX **PAR**

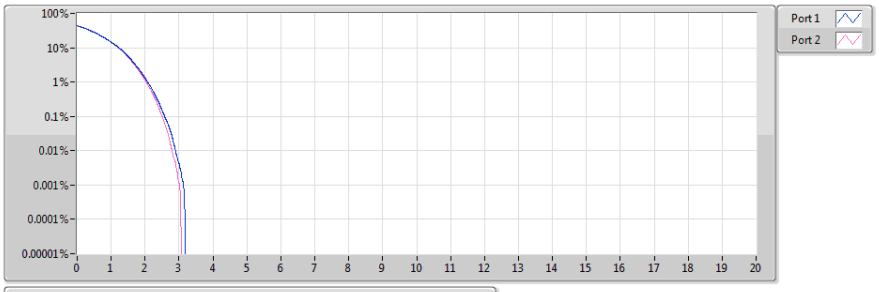
3695MHz_16QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3695	20M	6.15	-6.85	13.00	1
3695	20M	5.90	-7.10	13.00	2

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PAR**

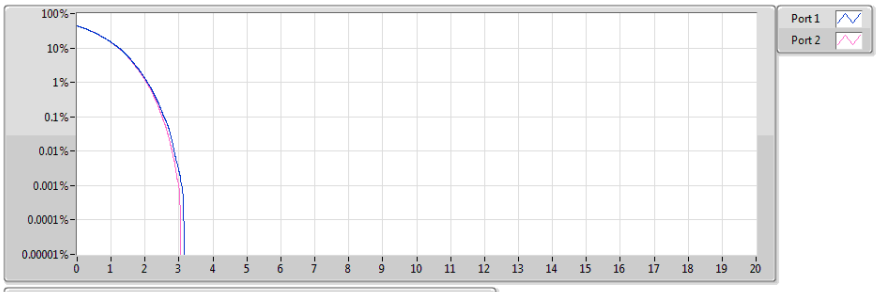
3555MHz_64QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	20M	6.43	-6.57	13.00	1
3555	20M	6.25	-6.75	13.00	2

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PAR**

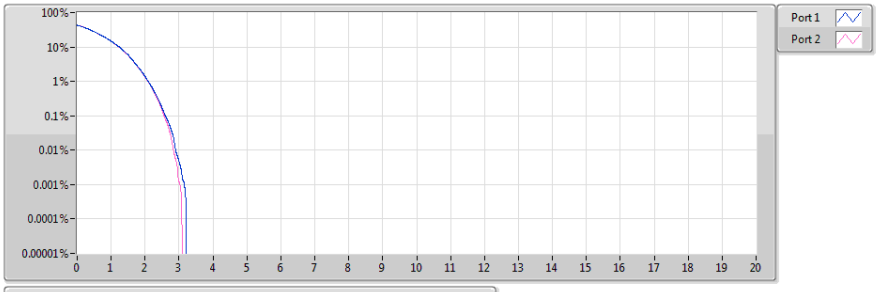
3625MHz_64QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	6.38	-6.62	13.00	1
3625	20M	6.24	-6.76	13.00	2

Band 48_LTE_10MHz_Nss1,64QAM_2TX **PAR**

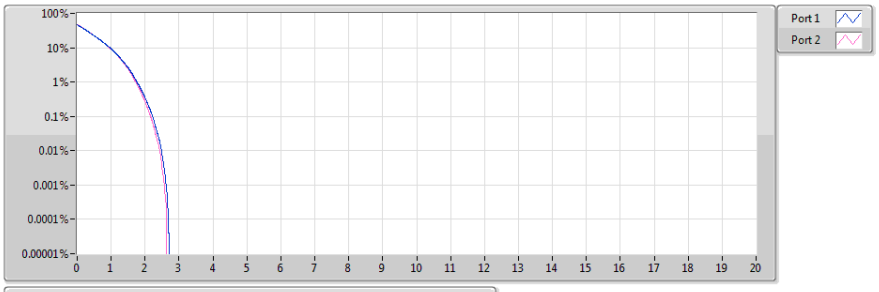
3695MHz_64QAM_RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3695	20M	6.49	-6.51	13.00	1
3695	20M	6.39	-6.61	13.00	2

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PAR**

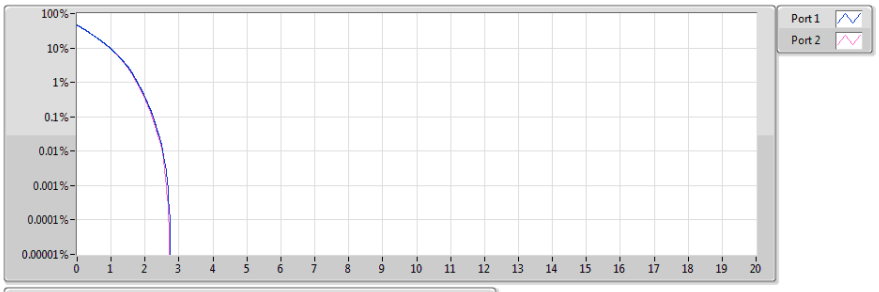
3560MHz_QPSK_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	5.55	-7.45	13.00	1
3560	20M	5.39	-7.61	13.00	2

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PAR**

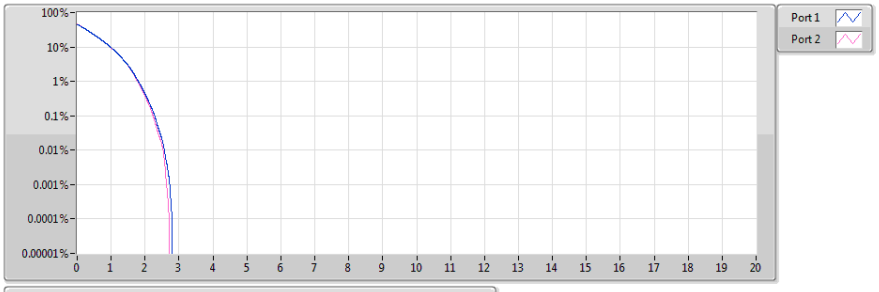
3625MHz_QPSK_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	5.59	-7.41	13.00	1
3625	20M	5.51	-7.49	13.00	2

Band 48_LTE_20MHz_Nss1,QPSK_2TX **PAR**

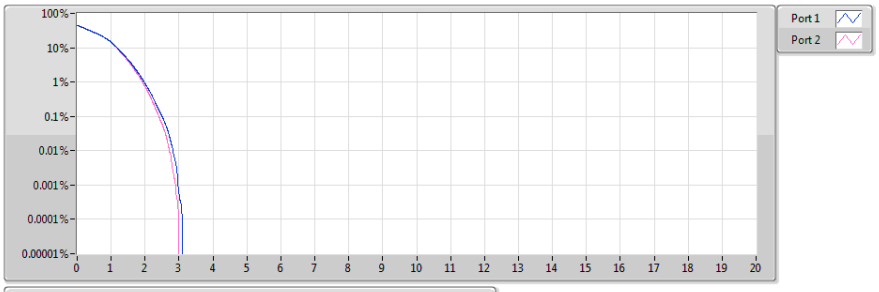
3690MHz_QPSK_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3690	20M	5.71	-7.29	13.00	1
3690	20M	5.58	-7.42	13.00	2

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PAR**

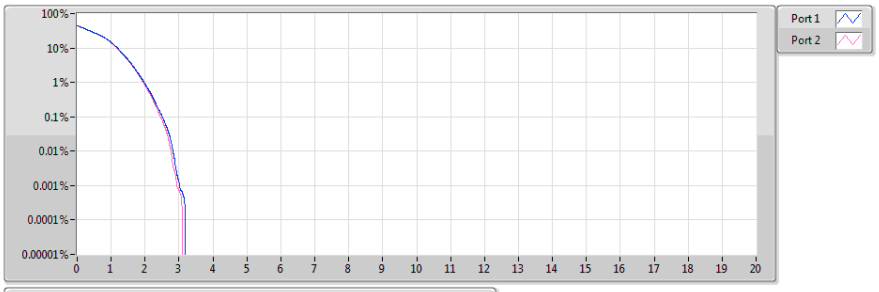
3560MHz_16QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	6.26	-6.74	13.00	1
3560	20M	6.02	-6.98	13.00	2

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PAR**

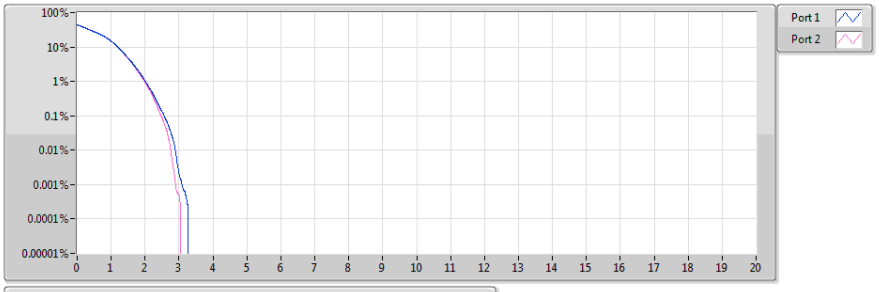
3625MHz_16QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	6.27	-6.73	13.00	1
3625	20M	6.13	-6.87	13.00	2

Band 48_LTE_20MHz_Nss1,16QAM_2TX **PAR**

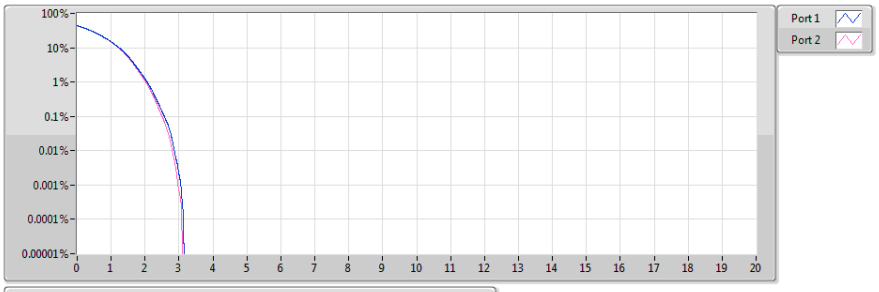
3690MHz_16QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3690	20M	6.40	-6.60	13.00	1
3690	20M	6.18	-6.82	13.00	2

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PAR**

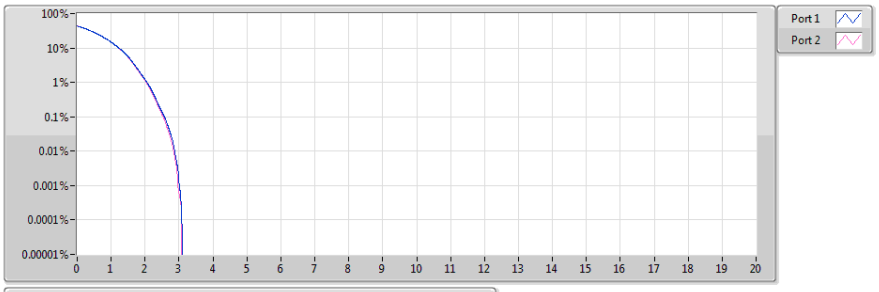
3560MHz_64QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	6.41	-6.59	13.00	1
3560	20M	6.25	-6.75	13.00	2

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PAR**

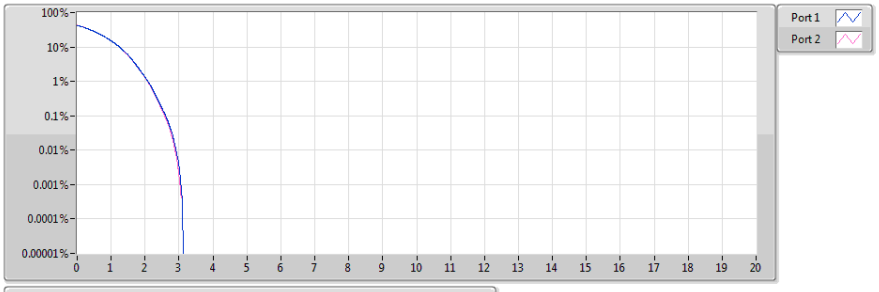
3625MHz_64QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3625	20M	6.42	-6.58	13.00	1
3625	20M	6.33	-6.67	13.00	2

Band 48_LTE_20MHz_Nss1,64QAM_2TX **PAR**

3690MHz_64QAM_RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3690	20M	6.51	-6.49	13.00	1
3690	20M	6.44	-6.56	13.00	2

Multi-carrier
Summary

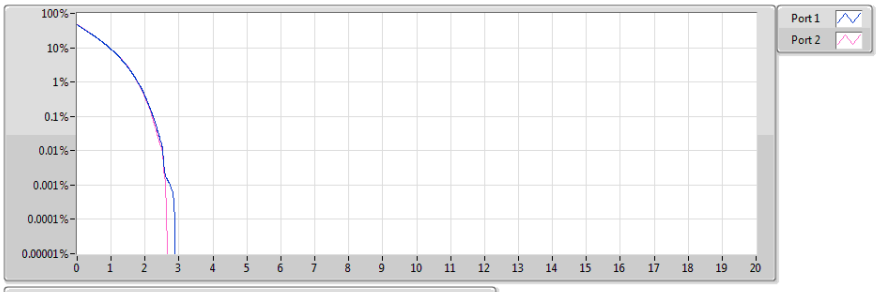
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	Pass	3555	13.00	5.59	1
LTE_10MHz+10MHz_Nss1,16QAM_2TX	Pass	3555	13.00	6.24	1
LTE_10MHz+10MHz_Nss1,64QAM_2TX	Pass	3555	13.00	6.40	1
LTE_10MHz+20MHz_Nss1,QPSK_2TX	Pass	3555	13.00	5.60	1
LTE_10MHz+20MHz_Nss1,16QAM_2TX	Pass	3555	13.00	6.25	1
LTE_10MHz+20MHz_Nss1,64QAM_2TX	Pass	3555	13.00	6.40	1
LTE_20MHz+10MHz_Nss1,QPSK_2TX	Pass	3560	13.00	5.30	1
LTE_20MHz+10MHz_Nss1,16QAM_2TX	Pass	3560	13.00	5.85	1
LTE_20MHz+10MHz_Nss1,64QAM_2TX	Pass	3560	13.00	5.89	1
LTE_20MHz+20MHz_Nss1,QPSK_2TX	Pass	3560	13.00	5.58	1
LTE_20MHz+20MHz_Nss1,16QAM_2TX	Pass	3560	13.00	6.26	1
LTE_20MHz+20MHz_Nss1,64QAM_2TX	Pass	3560	13.00	6.30	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48_LTE_10MHz+10MHz_Nss1_2TX	-	-	-	-	-
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	3555	13.00	5.59	1
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0	Pass	3695	13.00	5.51	2
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	3555	13.00	6.24	1
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	3695	13.00	6.13	2
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	3555	13.00	6.40	1
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0	Pass	3695	13.00	6.29	2
Band 48_LTE_10MHz+20MHz_Nss1_2TX	-	-	-	-	-
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	3555	13.00	5.60	1
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0	Pass	3690	13.00	5.59	2
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	3555	13.00	6.25	1
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	3690	13.00	6.22	2
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	3555	13.00	6.40	1
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0	Pass	3690	13.00	6.23	2
Band 48_LTE_20MHz+10MHz_Nss1_2TX	-	-	-	-	-
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	3560	13.00	5.30	1
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0	Pass	3695	13.00	4.99	2
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	3560	13.00	5.85	1
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	3695	13.00	5.36	2
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	3560	13.00	5.89	1
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0	Pass	3695	13.00	5.49	2
Band 48_LTE_20MHz+20MHz_Nss1_2TX	-	-	-	-	-
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	3560	13.00	5.58	1
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0	Pass	3690	13.00	5.50	2
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	3560	13.00	6.26	1
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	3690	13.00	6.14	2
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	3560	13.00	6.30	1
P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0	Pass	3690	13.00	6.21	2

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX **PAR**

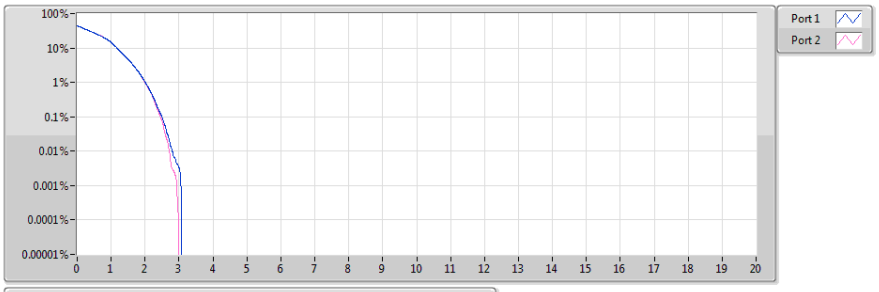
P#3555MHz,#3695MHz_QPSK_RB 50,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	5.59	-7.41	13.00	1
3695	10M	5.51	-7.49	13.00	2

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX **PAR**

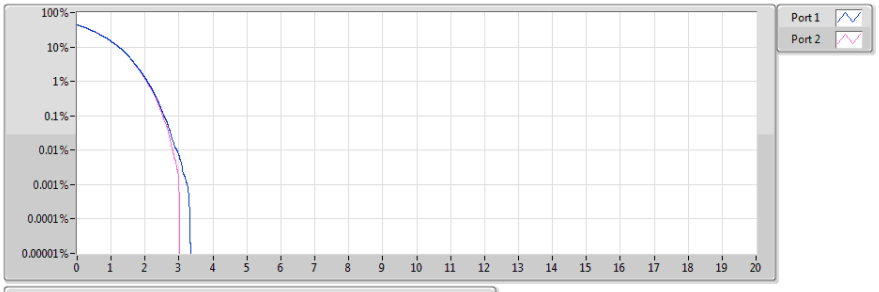
P#3555MHz,#3695MHz_16QAM_RB 50,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	6.24	-6.76	13.00	1
3695	10M	6.13	-6.87	13.00	2

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX **PAR**

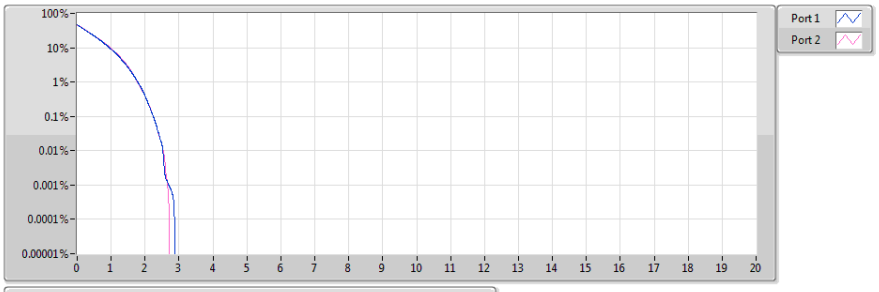
P#3555MHz,#3695MHz_64QAM_RB 50,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	6.40	-6.60	13.00	1
3695	10M	6.29	-6.71	13.00	2

Band 48_LTE_10MHz+20MHz_Nss1,QPSK_2TX **PAR**

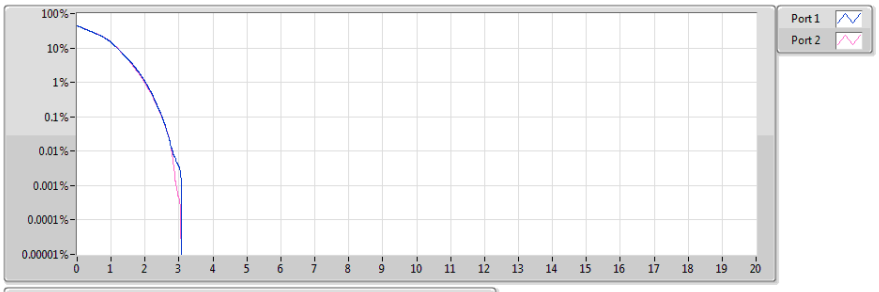
P#3555MHz,#3690MHz_QPSK_RB 50,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	5.60	-7.40	13.00	1
3690	20M	5.59	-7.41	13.00	2

Band 48_LTE_10MHz+20MHz_Nss1,16QAM_2TX **PAR**

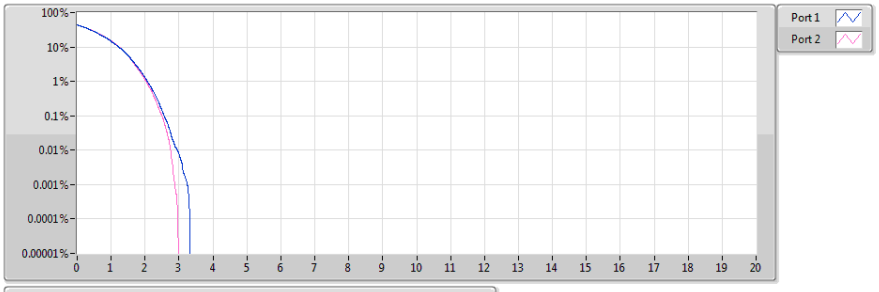
P#3555MHz,#3690MHz_16QAM_RB 50,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	6.25	-6.75	13.00	1
3690	20M	6.22	-6.78	13.00	2

Band 48_LTE_10MHz+20MHz_Nss1,64QAM_2TX **PAR**

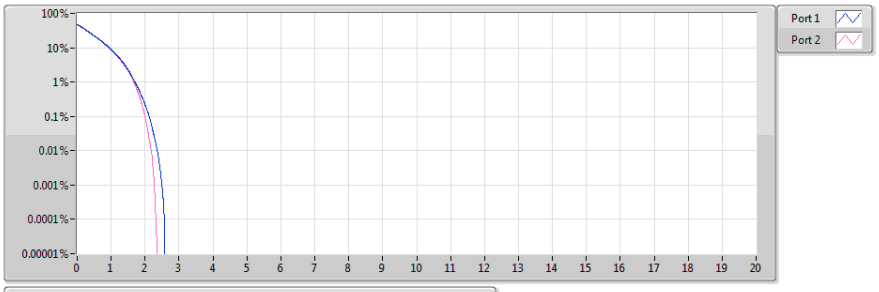
P#3555MHz,#3690MHz_64QAM_RB 50,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3555	10M	6.40	-6.60	13.00	1
3690	20M	6.23	-6.77	13.00	2

Band 48_LTE_20MHz+10MHz_Nss1,QPSK_2TX **PAR**

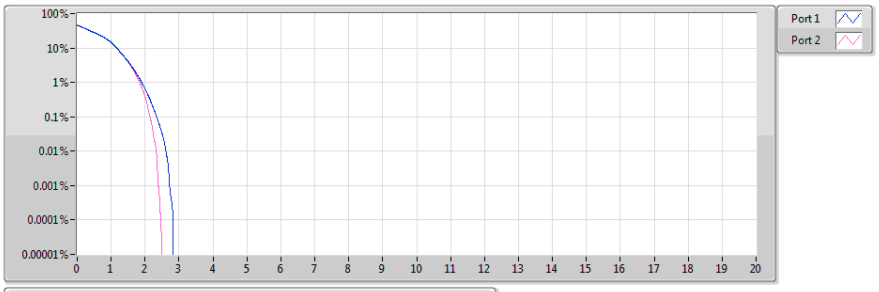
P#3560MHz,#3695MHz_QPSK_RB 100,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	5.30	-7.70	13.00	1
3695	10M	4.99	-8.01	13.00	2

Band 48_LTE_20MHz+10MHz_Nss1,16QAM_2TX **PAR**

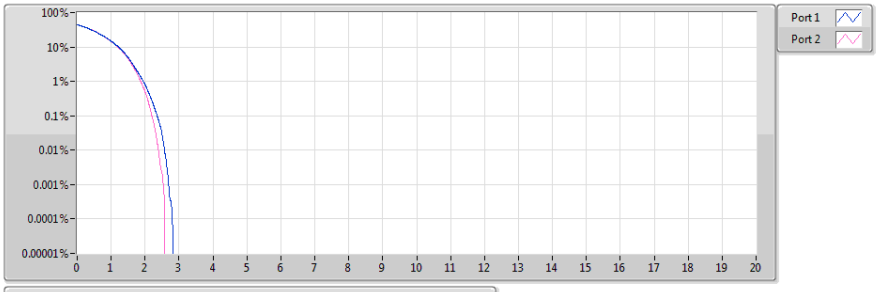
P#3560MHz,#3695MHz_16QAM_RB 100,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	5.85	-7.15	13.00	1
3695	10M	5.36	-7.64	13.00	2

Band 48_LTE_20MHz+10MHz_Nss1,64QAM_2TX **PAR**

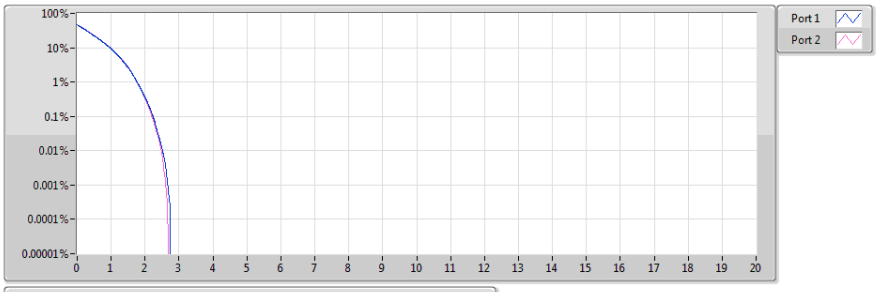
P#3560MHz,#3695MHz_64QAM_RB 100,#RB 0+RB 50,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	5.89	-7.11	13.00	1
3695	10M	5.49	-7.51	13.00	2

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX **PAR**

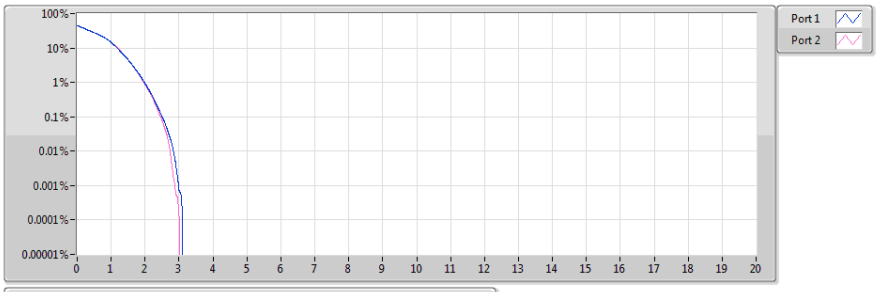
P#3560MHz,#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	5.58	-7.42	13.00	1
3690	20M	5.50	-7.50	13.00	2

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX **PAR**

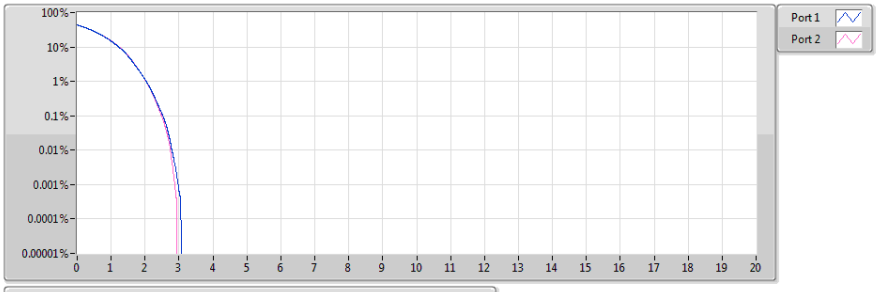
P#3560MHz,#3690MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	6.26	-6.74	13.00	1
3690	20M	6.14	-6.86	13.00	2

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX **PAR**

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3560	20M	6.30	-6.70	13.00	1
3690	20M	6.21	-6.79	13.00	2

Single-carrier

Channel Bandwidth: 10MHz

Band 48_LTE_10MHz_Nss1_2TX				
Temperature (°C)	3555MHz		3695MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.023	3550.535083	0.022	3699.469080
T20°CVmin	0.029	3550.535102	0.026	3699.469095
T55°CVnom	0.035	3550.535126	0.031	3699.469113
T50°CVnom	0.025	3550.535090	0.029	3699.469108
T40°CVnom	0.024	3550.535087	0.018	3699.469068
T30°CVnom	0.031	3550.535110	0.020	3699.469075
T20°CVnom	0.032	3550.535115	0.034	3699.469124
T10°CVnom	0.030	3550.535108	0.035	3699.469131
T0°CVnom	0.025	3550.535088	0.020	3699.469075
T-10°CVnom	0.028	3550.535098	0.034	3699.469125
T-20°CVnom	0.027	3550.535095	0.023	3699.469086
T-30°CVnom	0.022	3550.535078	0.025	3699.469093
T-40°CVnom	0.030	3550.535106	0.033	3699.469122
Limit		>3550MHz		<3700MHz

Band 48_LTE_20MHz_Nss1_2TX				
Temperature (°C)	3560MHz		3690MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.034	3551.089122	0.026	3698.934097
T20°CVmin	0.027	3551.089095	0.028	3698.934102
T55°CVnom	0.032	3551.089113	0.028	3698.934105
T50°CVnom	0.029	3551.089102	0.027	3698.934098
T40°CVnom	0.031	3551.089111	0.029	3698.934107
T30°CVnom	0.024	3551.089086	0.006	3698.934021
T20°CVnom	0.021	3551.089075	0.033	3698.934122
T10°CVnom	0.029	3551.089103	0.034	3698.934125
T0°CVnom	0.034	3551.089122	0.036	3698.934131
T-10°CVnom	0.029	3551.089105	0.033	3698.934122
T-20°CVnom	0.037	3551.089131	0.034	3698.934125
T-30°CVnom	0.035	3551.089124	0.023	3698.934085
T-40°CVnom	0.032	3551.089115	0.028	3698.934102
Limit		>3550MHz		<3700MHz

Multi-carrier
Channel Bandwidth: 10MHz

Band 48_LTE_10MHz+10MHz_Nss1_2TX				
Temperature (°C)	3555MHz		3695MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.028	3550.539099	0.028	3699.468105
T20°CVmin	0.024	3550.539085	0.028	3699.468102
T55°CVnom	0.030	3550.539106	0.023	3699.468086
T50°CVnom	0.034	3550.539122	0.031	3699.468116
T40°CVnom	0.024	3550.539086	0.026	3699.468095
T30°CVnom	0.030	3550.539107	0.023	3699.468085
T20°CVnom	0.032	3550.539112	0.028	3699.468102
T10°CVnom	0.029	3550.539103	0.029	3699.468107
T0°CVnom	0.027	3550.539095	0.023	3699.468086
T-10°CVnom	0.030	3550.539105	0.026	3699.468097
T-20°CVnom	0.034	3550.539122	0.028	3699.468105
T-30°CVnom	0.030	3550.539106	0.024	3699.468088
T-40°CVnom	0.034	3550.539122	0.028	3699.468105
Limit		>3550MHz		<3700MHz

Band 48_LTE_10MHz+20MHz_Nss1_2TX				
Temperature (°C)	3555MHz		3690MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.029	3550.535103	0.028	3698.918102
T20°CVmin	0.027	3550.535096	0.029	3698.918106
T55°CVnom	0.024	3550.535087	0.031	3698.918115
T50°CVnom	0.029	3550.535104	0.025	3698.918093
T40°CVnom	0.034	3550.535121	0.029	3698.918107
T30°CVnom	0.032	3550.535115	0.026	3698.918096
T20°CVnom	0.030	3550.535106	0.030	3698.918111
T10°CVnom	0.032	3550.535113	0.035	3698.918128
T0°CVnom	0.035	3550.535124	0.031	3698.918116
T-10°CVnom	0.034	3550.535122	0.029	3698.918108
T-20°CVnom	0.030	3550.535106	0.030	3698.918111
T-30°CVnom	0.032	3550.535113	0.026	3698.918095
T-40°CVnom	0.026	3550.535091	0.029	3698.918108
Limit		>3550MHz		<3700MHz

Band 48_LTE_20MHz+10MHz_Nss1_2TX				
Temperature (°C)	3560MHz		3695MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.028	3551.088098	0.031	3699.472116
T20°CVmin	0.029	3551.088103	0.030	3699.472111
T55°CVnom	0.029	3551.088105	0.029	3699.472108
T50°CVnom	0.024	3551.088086	0.033	3699.472121
T40°CVnom	0.027	3551.088095	0.035	3699.472128
T30°CVnom	0.029	3551.088103	0.031	3699.472116
T20°CVnom	0.035	3551.088123	0.034	3699.472125
T10°CVnom	0.028	3551.088099	0.024	3699.472087
T0°CVnom	0.024	3551.088086	0.029	3699.472107
T-10°CVnom	0.030	3551.088108	0.031	3699.472115
T-20°CVnom	0.033	3551.088116	0.023	3699.472086
T-30°CVnom	0.036	3551.088127	0.029	3699.472106
T-40°CVnom	0.024	3551.088087	0.026	3699.472096
Limit		>3550MHz		<3700MHz

Band 48_LTE_20MHz+20MHz_Nss1_2TX				
Temperature (°C)	3560MHz		3690MHz	
	Frequency Drift (ppm)	FL (MHz)	Frequency Drift (ppm)	FH (MHz)
T20°CVmax	0.027	3551.073096	0.029	3698.919107
T20°CVmin	0.029	3551.073105	0.024	3698.919088
T55°CVnom	0.025	3551.073088	0.028	3698.919105
T50°CVnom	0.030	3551.073106	0.033	3698.919122
T40°CVnom	0.035	3551.073125	0.029	3698.919107
T30°CVnom	0.029	3551.073103	0.034	3698.919126
T20°CVnom	0.024	3551.073086	0.031	3698.919115
T10°CVnom	0.027	3551.073095	0.028	3698.919105
T0°CVnom	0.032	3551.073115	0.033	3698.919123
T-10°CVnom	0.036	3551.073128	0.030	3698.919111
T-20°CVnom	0.028	3551.073098	0.029	3698.919108
T-30°CVnom	0.031	3551.073112	0.026	3698.919097
T-40°CVnom	0.030	3551.073107	0.023	3698.919085
Limit		>3550MHz		<3700MHz

Single-carrier

Mode	Interference Power Level (dBm)	CDD Wanted Signal Power Level (dBm)	CDD Adjacent Channel Selectivity Throughput (%)	CDD In-Band blocking Throughput (%)
CB:10MHz,3625MHz RB offset=0	-40	-87.5	100	100
CB:10MHz,3625MHz RB offset=25	-40	-87.5	100	100
CB:20MHz,3625MHz RB offset=0	-40	-84.5	100	100
CB:20MHz,3625MHz RB offset=25	-40	-84.5	100	100
CB:20MHz,3625MHz RB offset=50	-40	-84.5	100	100
CB:20MHz,3625MHz RB offset=75	-40	-84.5	100	100

Multi-carrier

Mode	Interference Power Level (dBm)	PCC Wanted Signal Power Level (dBm)	PCC Adjacent Channel Selectivity Throughput (%)	PCC In-Band blocking Throughput (%)	SCC Wanted Signal Power Level (dBm)	SCC Adjacent Channel Selectivity Throughput (%)	SCC In-Band blocking Throughput (%)	Limit (%)
PCC BW:10MHz,3555MHz RB offset=0 SCC BW:10MHz,3695MHz RB offset=0	-40	-87.5	99.9	99.85	-87.5	99.9	99.85	99
PCC BW:10MHz,3555MHz RB offset=25 SCC BW:10MHz,3695MHz RB offset=25	-40	-87.5	99.95	99.95	-87.5	99.95	99.95	99
PCC BW:10MHz,3555MHz RB offset=0 SCC BW:20MHz,3690MHz RB offset=0	-40	-87.5	99.95	99.85	-84.5	99.95	99.85	99
PCC BW:10MHz,3555MHz RB offset=25 SCC BW:20MHz,3690MHz RB offset=25	-40	-87.5	99.9	99.9	-84.5	99.9	99.9	99
PCC BW:10MHz,3555MHz RB offset=0 SCC BW:20MHz,3690MHz RB offset=50	-40	-87.5	99.9	99.85	-84.5	99.9	99.85	99
PCC BW:10MHz,3555MHz RB offset=0 SCC BW:20MHz,3690MHz RB offset=75	-40	-87.5	99.95	99.9	-84.5	99.95	99.9	99
PCC BW:20MHz,3560MHz RB offset=0 SCC BW:10MHz,3695MHz RB offset=0	-40	-84.5	99.9	99.9	-87.5	99.9	99.9	99
PCC BW:20MHz,3560MHz RB offset=25 SCC BW:10MHz,3695MHz RB offset=25	-40	-84.5	99.95	99.9	-87.5	99.95	99.9	99
PCC BW:20MHz,3560MHz RB offset=50 SCC BW:10MHz,3695MHz RB offset=0	-40	-84.5	99.95	99.85	-87.5	99.95	99.85	99
PCC BW:20MHz,3560MHz RB offset=75 SCC BW:10MHz,3695MHz RB offset=0	-40	-84.5	99.9	99.9	-87.5	99.9	99.9	99
PCC BW:20MHz,3560MHz RB offset=0 SCC BW:20MHz,3690MHz RB offset=0	-40	-84.5	99.95	99.85	-84.5	99.95	99.85	99
PCC BW:20MHz,3560MHz RB offset=25 SCC BW:20MHz,3690MHz RB offset=25	-40	-84.5	99.9	99.9	-84.5	99.9	99.9	99
PCC BW:20MHz,3560MHz RB offset=50 SCC BW:20MHz,3690MHz RB offset=50	-40	-84.5	99.9	99.85	-84.5	99.9	99.85	99
PCC BW:20MHz,3560MHz RB offset=75 SCC BW:20MHz,3695MHz RB offset=75	-40	-84.5	99.85	99.85	-84.5	99.85	99.85	99