

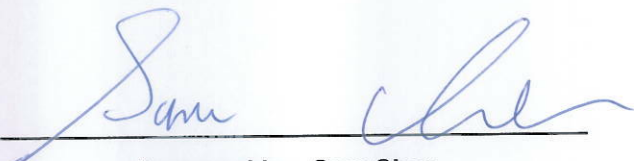


FCC RADIO TEST REPORT

FCC ID : Z8H89FT0061
Equipment : 3 GHz cnRanger 210 RRH
Brand Name : Cambium Networks
Model Name : 3 GHz cnRanger 210 RRH
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL
60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 96

The product was received on Dec. 01, 2020, and testing was started from Dec. 24, 2020 and completed on Jan. 22, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.


Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A18_1 Ver1.1



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	2.1046 / 96.41(b)	Maximum Conducted Output Power & Effective Isotropic Radiated Power (EIRP)	PASS	-
3.2	96.41(b)	Maximum Power Spectral Density (PSD)	PASS	-
3.3	96.41(g)	Peak-to-average power ratio	PASS	-
3.4	2.1049	99% OBW and 26dB Bandwidth	PASS	-
3.5	2.1051 96.41(e)	3.5 GHz Emissions and Interference Limits	PASS	-
3.6	2.1053	Field Strength of Spurious Radiation	PASS	-
3.7	2.1055	Frequency Stability for Temperature & Voltage	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.

Reviewed by: Sam Chen

Report Producer: Wendy Pan



1 General Description

1.1 Product Feature of Equipment Under Test

Items	Description
EUT Type	☒ CBSD ☐ CPE-CBSD ☐ EUD
Power Type	From power supply
Category of EUT	☐ Category A ☒ Category B
Professional Installation	☒ Yes ☐ No
Multi-carrier and/or CA	☒ Yes ☐ No
RF Test Tool Software of EUT	Putty.exe
TX Frequency (MHz)	LTE Band 48: 3555 ~ 3695
RX Frequency (MHz)	LTE Band 48: 3555 ~ 3695
Single Band Bandwidth (MHz)	10/20
CA Band Bandwidth (MHz)	10+10 / 20+20
Type of Modulation	☒ QPSK ☒ 16QAM ☒ 64QAM ☐ 256QAM

Note: The above information was declared by manufacturer.

1.2 Antenna Information

Ant.	Brand	Part Number	Antenna Type	Connector	Gain (dBi)	Remark
1	Cambium	3 LTE-ANT-90	Sector	N-Type	17	2TX/2RX
2	Cambium	3 LTE-ANT-90	Sector	N-Type	17	2TX/2RX

Note: The above information was declared by manufacturer.

1.3 Maximum EIRP Power, Frequency Tolerance, and Emission Designator

Bandwidth	TX Frequency (MHz)	Type of Modulation	Max. Conducted Power		Maximum EIRP		99% Occupied Bandwidth (MHz)	Emission Designator	Frequency Stability (ppm)
			(dBm)	(W)	(dBm)	(W)			
10MHz	3555 ~ 3695	QPSK	25.76	0.377	45.77	37.757	8.946	8M95G7D	3.6202
		16QAM	25.52	0.356	45.53	35.727	8.958	8M96W7D	
		64QAM	25.49	0.354	45.50	35.481	8.933	8M93W7D	
20MHz	3560 ~ 3690	QPSK	25.96	0.394	45.97	39.537	17.866	17M9G7D	
		16QAM	25.71	0.372	45.72	37.325	17.866	17M9W7D	
		64QAM	25.94	0.393	45.95	39.355	17.866	17M9W7D	
10+10MHz	3555 ~ 3695	QPSK	25.57	0.361	45.58	36.141	9.233	9M23G7D	
		16QAM	25.34	0.342	45.35	34.277	9.233	9M23W7D	
		64QAM	25.46	0.352	45.47	35.237	9.22	9M22W7D	
20+20MHz	3560 ~ 3690	QPSK	25.31	0.340	45.32	34.041	17.866	17M9G7D	
		16QAM	25.96	0.394	45.97	39.537	17.891	17M9W7D	
		64QAM	25.88	0.387	45.89	38.815	17.866	17M9W7D	



1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 96
- ANSI / TIA-603-E-2016
- ANSI C63.26-2015
- FCC KDB 971168 D01 v03r01
- FCC KDB 940660 D01 v02

The following reference test guidance is not within the scope of accreditation of TAF.

- 47 CFR FCC Part 2
- FCC KDB 412172 D01 v01r01
- FCC KDB 662911 D01 v02r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

1.5 Testing Location

Testing Location		
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.) TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Lucas Huang	21.1~22.3 / 51~68	Dec. 24, 2020 ~ Jan. 02, 2021 Jan. 21, 2021 ~ Jan. 22, 2021
Radiated	03CH05-CB	Ron Huang	19.7-21.4 / 57-59	Jan. 22, 2021

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

1.6 Measurement Uncertainty

Test Items	Uncertainty	Remark
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%



2 Test Configuration of Equipment Under Test

2.1 Test Frequency

The EUT was tested in the following operating modes, unless otherwise stated:

Test Frequency			
Bandwidth (MHz)	Bottom Channel (B) (MHz)	Middle Channel (M) (MHz)	Top Channel (T) (MHz)
10	3555.0	3625	3695.0
20	3560.0	3625	3690.0
10+10	3555.0	3625	3695.0
20+20	3560.0	3625	3690.0

2.2 Test Mode

Test Item	Bandwidth (MHz)	Tested Frequency (MHz)	Mode
Conducted Output Power and Maximum Effective Isotropic Radiated Power (EIRP)	10/20/10+10/20+20	B,M,T	QPSK,16QAM,64QAM
Maximum Power Spectral Density (PSD)	10/20/10+10/20+20	B,M,T	QPSK,16QAM,64QAM
Peak-to-average power ratio	20/20+20	B,M,T	QPSK,16QAM,64QAM
99% OBW and 26dB Bandwidth	10/20/10+10/20+20	B,M,T	QPSK,16QAM,64QAM
3.5 GHz Emissions and Interference Limits	10/20/10+10/20+20	B,M,T	QPSK,16QAM,64QAM
Field Strength of Spurious Radiation	20, 20+20	B,M,T	64QAM
Frequency Stability for Temperature & Voltage	20	M	QPSK,16-QAM,64-QAM

Note 1: B: Bottom / M: Middle / T: Top

Note2: The EUT can only be used at Y axis position

For Field Strength of Spurious Radiation:

Mode 20+20MHz / 16QAM was maximum power for Conducted Output Power test, thus the measurement for Field Strength of Spurious Radiation test will follow this same test configuration.



2.3 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	AC, DC Power supply	XP	DNR120AS48-I	Input: 115 / 230VAC, 28 / 14A, 47-63Hz Output: 48VDC, 120W
Other				
AC power cable*1, Non-shielded 1.45m				

2.4 Support Equipment

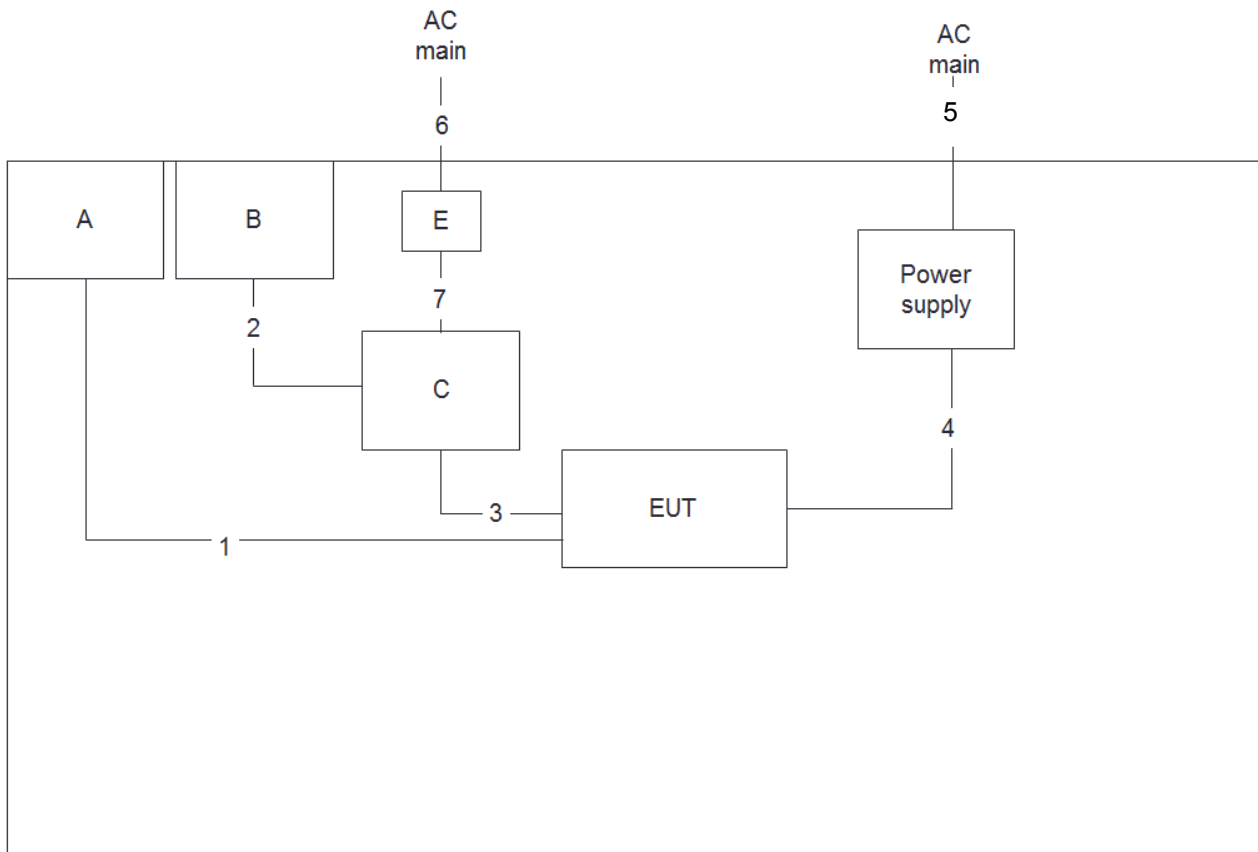
For Others test:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	BBU	Cambium	Sierra 800	N/A

For Field Strength of Spurious Radiation test:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	BBU	Cambium	Sierra 800	N/A
E	Adapter	TDK-Lambda	DT150PW480D	N/A

2.5 Test Setup Diagram



Item	Connection	Shielded	Length
1	Console	Yes	2m
2	Console	Yes	1.8m
3	Fiber Cable	No	5m
4	Power cable	No	2m
5	Power cable	No	1.45m
6	Power cable	No	1.5m
7	Power cable	No	1.5m



2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 1 dB and a 20dB attenuator.

Example:

$$\begin{aligned}\text{Offset (dB)} &= \text{RF cable loss (dB)} + \text{attenuator factor (dB)} \\ &= 1 + 20 = 21 \text{ (dB)}\end{aligned}$$

For transmission duty cycle < 98% and setting sweep trigger to free run:

When the EUT cannot be configured to transmit at full-power on a continuous basis (i.e., duty cycle < 98%) and the instrumentation cannot be configured to measure only during active full-power transmissions, then set sweep trigger to free run and add $10 \log (1/\text{duty cycle})$ to the measured power level if the EUT duty cycle is constant (i.e., duty cycle variations are less than or equal to $\pm 2\%$).

Example:

Add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25%.

3 Test Result

3.1 Maximum Conducted Output Power & Effective Isotropic Radiated Power (EIRP)

3.1.1 Description of the Conducted Output Power measurement

The EUT shall be set at maximum power through commands provided by manufacturer. The measured power in the radio frequency at the transmitter output terminals shall be reported.

3.1.2 Description of the Maximum Effective Isotropic Radiated Power measurement

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

Power Approach, the EIRP can be determined from conducted output power.

$EIRP = P_T + G_T - L_C$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

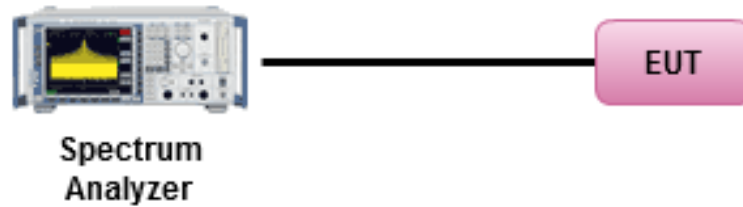
3.1.3 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.4 Test Procedures

1. The testing follows Section 5.2 of ANSI C63.26-2015.
2. Connect the transmitter output port of EUT to the spectrum analyzer.
3. Set EUT to transmit at maximum output power.
4. Select lowest, middle, and highest channels for each modulation.
5. Measure the maximum power at RF output terminals.
6. Determining EIRP by conducted RF output power plus transmitting antenna gain.

3.1.5 Test Setup



3.1.6 Test Result of Conducted Output Power & Maximum Effective Isotropic Radiated Power

Refer as Appendix A

3.2 Maximum Power Spectral Density (PSD)

3.2.1 Description of the Maximum Power Spectral Density Measurement

Device	Maximum PSD (EIRP) (dBm/MHz)
End User Device	N/A
Category A CBSD	20
Category B CBSD	37

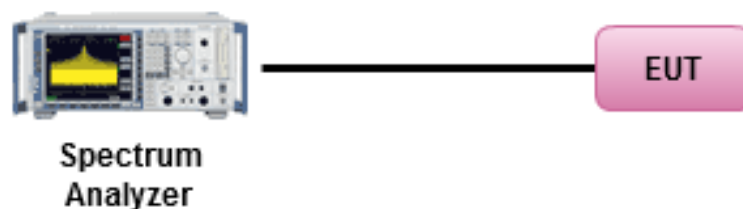
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows Section 5.2 of ANSI C63.26-2015.
2. Connect the transmitter output port of EUT to the spectrum analyzer.
3. Set EUT to transmit at maximum output power.
4. Select lowest, middle, and highest channels for each modulation.
5. Measure the maximum PSD at RF output terminals .

3.2.4 Test Setup



3.2.5 Test Result of Maximum Power spectral density

Refer as Appendix B

3.3 Peak-to-Average Power Ratio (PAPR)

3.3.1 Description of the Peak-to-Average Power Ratio Measurement

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

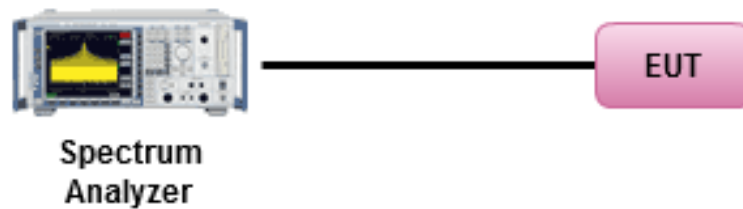
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The testing follows Section 5.2.6 of ANSI C63.26-2015.
2. Connect the transmitter output port of EUT to the spectrum analyzer.
3. Set EUT to transmit at maximum output power.
4. Select lowest, middle, and highest channels for each modulation.
5. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer. Record the maximum PAPR level associated with a probability of 0.1%.

3.3.4 Test Setup



3.3.5 Test Result of Peak-to-Average Ratio

Refer as Appendix C

3.4 99% Occupied Bandwidth (OBW) and 26dB Bandwidth

3.4.1 Description of the 99% Occupied Bandwidth and 26dB Bandwidth Measurement

The 99% occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

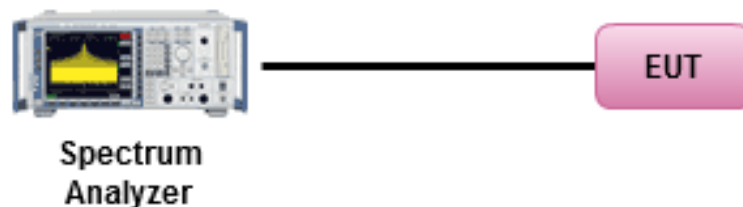
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. Connect the transmitter output port of EUT to the spectrum analyzer.
2. Set EUT to transmit at maximum output power.
3. Select lowest, middle, and highest channels for each modulation.
4. The setting of spectrum analyzer follows the FCC KDB 971168 D01 v03r01 Section 4.2 and 4.3.
5. Record the result of 99% occupied bandwidth and the 26dB bandwidth.

3.4.4 Test Setup



3.4.5 Test Result of Occupied Bandwidth and 26dB Bandwidth

Refer as Appendix D

3.5 3.5 GHz Emissions and Interference Limits

3.5.1 Description of the 3.5 GHz Emissions and Interference Limits Measurement

Confirm that the device satisfies the emission limits specified in Section 96.41(e) for all declared channel sizes, at the lowest and highest edges of the band, and in the middle of the band. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic. The limits for emission outside the fundamental are as follows.

- Within 0 MHz to 10 MHz above and below the assigned channel ≤ -13 dBm/MHz
- Greater than 10 MHz above and below the assigned channel ≤ -25 dBm/MHz
- Any emission below 3530 MHz and above 3720 MHz ≤ -40 dBm/MHz

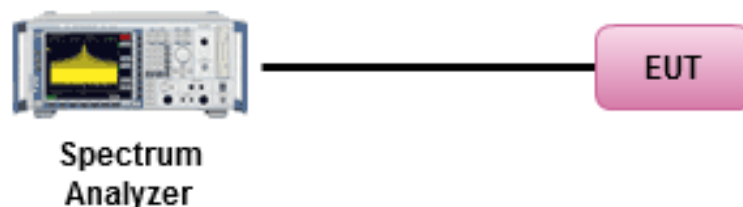
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. Connect the transmitter output port of EUT to the spectrum analyzer.
2. Set EUT to transmit at maximum output power.
3. Select lowest, middle, and highest channels for each modulation.
4. The setting of spectrum analyzer follows FCC KDB 940660 D01 v02 Section 6.0.
5. Note that unwanted emissions for CBSDs are relative to the authorized channel

3.5.4 Test Setup



3.5.5 Test Result of Conducted Band Edge

Refer as Appendix E



3.6 Field Strength of Spurious Radiation

3.6.1 Description of the Field Strength of Spurious Radiated Measurement

Confirm that the radiated emission satisfies the limits specified in Section 96.41(e) for all declared channel sizes, at the lowest and highest edges of the band, and in the middle of the band. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic. The limits for emission outside the fundamental are as follows.

- Within 0 MHz to 10 MHz above and below the assigned channel ≤ -13 dBm/MHz (55.2 dBuV/m at 3m)
- Greater than 10 MHz above and below the assigned channel ≤ -25 dBm/MHz (82.2 dBuV/m at 3m)
- Any emission below 3530 MHz and above 3720 MHz ≤ -40 dBm/MHz (55.2 dBuV/m at 3m)

3.6.2 Measuring Instruments

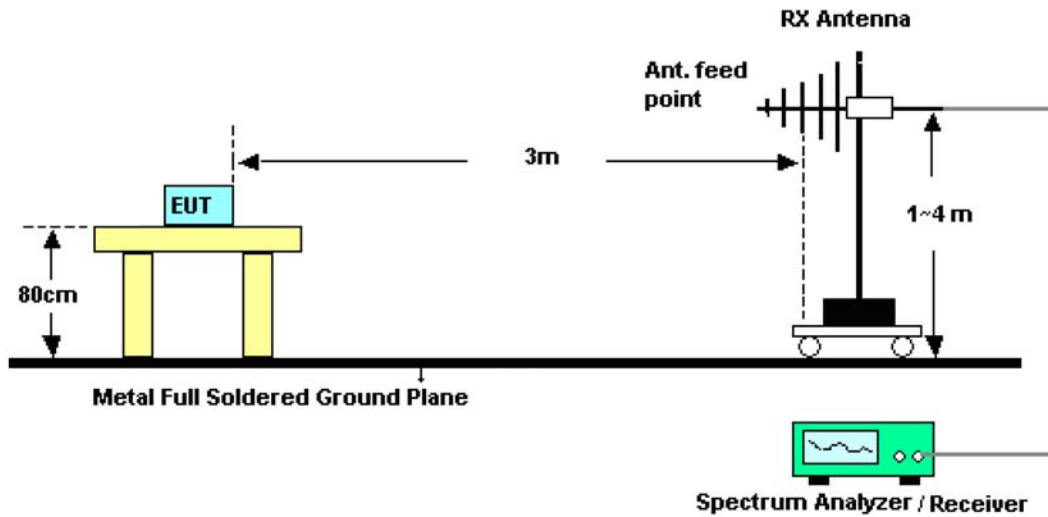
The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

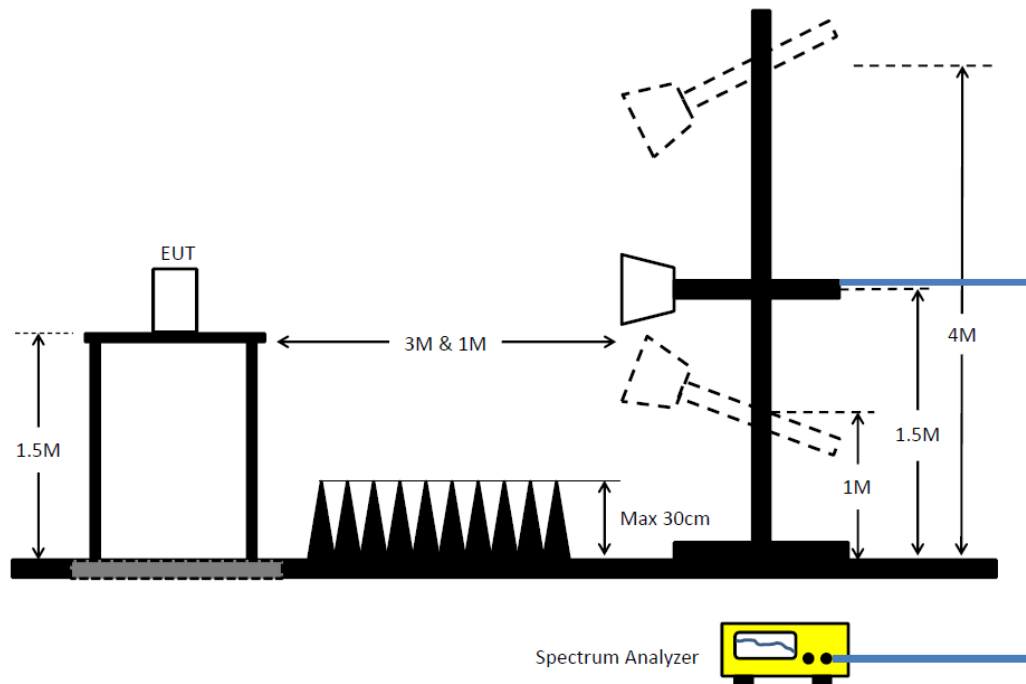
1. The testing follows Section 5.7 of ANSI C63.26-2015.
2. The EUT was placed on a rotatable wooden table 0.8 meters above the ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
12. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.6.4 Test Result of Field Strength of Spurious Radiated

Refer as Appendix F

3.7 Frequency Stability for Temperature & Voltage

3.7.1 Description of the Frequency Stability for Temperature & Voltage Measurement

The frequency stability of the transmitter shall be measured while varying the ambient temperatures and supply voltages over the ranges specified in Section 2.1055. And ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

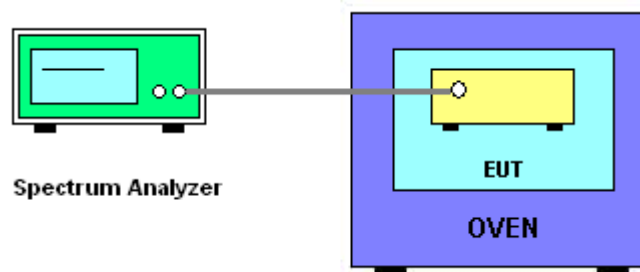
3.7.3 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0
2. The EUT was set up in the thermal chamber and connected to the spectrum analyzer.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in -30°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
5. Frequency measurements shall be made at intervals of not more than 10° centigrade through the range.

3.7.4 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was placed in a temperature chamber at 25±5° C and connected to the spectrum analyzer.
3. The power supply voltage to the EUT was varied from 85 to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

3.7.5 Test Setup



3.7.6 Test Result of Temperature and Voltage Variation

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 27, 2020	Mar. 26, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	Keysight	N9020A	MY55400138	10 Hz up to 26.5 GHz	Dec. 11, 2019	Dec. 10, 2020	Conducted (TH03-CB)
Signal analyzer	Agilent	N9010A	MY52220519	10kHz~44GHz	Mar. 24, 2020	Mar. 23, 2021	Conducted (TH03-CB)
Temp. and Humidity Chamber	Gaint Force	GTH-408-40-CP-AR	MAA1410-011	-40~100 degree	Sep. 09, 2020	Sep. 08, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)
MW Analog Signal Generator	Keysight	N5183A	MY50142965	100kHz~20GHz	Nov. 22, 2020	Nov. 21, 2021	Conducted (TH03-CB)
Vector Signal Generator	Keysight	N5182B	MY53052408	9kHz~6GHz	Jan. 17, 2020	Jan. 16, 2021	Conducted (TH03-CB)
Vector Signal Generator	Keysight	N5182B	MY53052408	9kHz~6GHz	Jan. 20, 2021	Jan. 19, 2022	Conducted (TH03-CB)
Vector Signal generator	Agilent	E4438C	MY49072778	250kHz-6GHz	Aug. 24, 2020	Aug. 23, 2021	Conducted (TH03-CB)

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

N.C.R. means Non-Calibration required.



Average Power

Appendix A.1

Summary

Mode	Power (dBm)	Power (W)
Band 48	-	-
LTE_10MHz_Nss1,QPSK_2TX	25.76	0.377
LTE_10MHz_Nss1,16QAM_2TX	25.52	0.356
LTE_10MHz_Nss1,64QAM_2TX	25.49	0.354
LTE_20MHz_Nss1,QPSK_2TX	28.53	0.713
LTE_20MHz_Nss1,16QAM_2TX	28.34	0.682
LTE_20MHz_Nss1,64QAM_2TX	28.51	0.710

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)
Band 48_LTE_10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	17.00	22.58	22.03	25.32	0.340	Inf
3625MHz_RB 50,#RB 0	Pass	17.00	22.83	22.66	25.76	0.377	Inf
3695MHz_RB 50,#RB 0	Pass	17.00	22.58	22.23	25.42	0.348	Inf
Band 48_LTE_10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	17.00	22.72	22.29	25.52	0.356	-
3625MHz_RB 50,#RB 0	Pass	17.00	22.07	21.84	24.97	0.314	Inf
3695MHz_RB 50,#RB 0	Pass	17.00	22.76	21.83	25.33	0.341	Inf
Band 48_LTE_10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	17.00	21.75	21.79	24.78	0.301	Inf
3625MHz_RB 50,#RB 0	Pass	17.00	22.55	22.40	25.49	0.354	-
3695MHz_RB 50,#RB 0	Pass	17.00	22.77	21.76	25.30	0.339	Inf
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	17.00	25.13	24.97	28.06	0.640	Inf
3625MHz_RB 100,#RB 0	Pass	17.00	25.65	25.38	28.53	0.713	Inf
3690MHz_RB 100,#RB 0	Pass	17.00	25.35	25.07	28.22	0.664	-
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	17.00	25.10	24.99	28.06	0.640	Inf
3625MHz_RB 100,#RB 0	Pass	17.00	25.44	25.21	28.34	0.682	Inf
3690MHz_RB 100,#RB 0	Pass	17.00	25.16	24.89	28.04	0.637	Inf
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	17.00	25.49	25.50	28.51	0.710	Inf
3625MHz_RB 100,#RB 0	Pass	17.00	25.30	25.21	28.27	0.671	Inf
3690MHz_RB 100,#RB 0	Pass	17.00	25.39	25.08	28.25	0.668	Inf

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

Summary

Mode	Power (dBm/10MHz)	Power (W)	EIRP (dBm/10MHz)	EIRP (W)
Band 48	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	25.76	0.377	45.77	37.757
LTE_10MHz_Nss1,16QAM_2TX	25.52	0.356	45.53	35.727
LTE_10MHz_Nss1,64QAM_2TX	25.49	0.354	45.50	35.481
LTE_20MHz_Nss1,QPSK_2TX	25.96	0.394	45.97	39.537
LTE_20MHz_Nss1,16QAM_2TX	25.71	0.372	45.72	37.325
LTE_20MHz_Nss1,64QAM_2TX	25.94	0.393	45.95	39.355

Result

Mode	Result	MBW (Hz)	DG (dBi)	Power (dBm/10MHz)	Power (W)	EIRP (dBm/10MHz)	EIRP (W)	EIRP Limit (dBm/10MHz)
Band 48_LTE_10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	10M	20.01	0.340	25.32	45.33	34.119	47.00
3625MHz_RB 50,#RB 0	Pass	10M	20.01	0.377	25.76	45.77	37.757	47.00
3695MHz_RB 50,#RB 0	Pass	10M	20.01	0.348	25.42	45.43	34.914	47.00
Band 48_LTE_10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	10M	20.01	0.356	25.52	45.53	35.727	47.00
3625MHz_RB 50,#RB 0	Pass	10M	20.01	0.314	24.97	44.98	31.477	47.00
3695MHz_RB 50,#RB 0	Pass	10M	20.01	0.341	25.33	45.34	34.198	47.00
Band 48_LTE_10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	10M	20.01	0.301	24.78	44.79	30.130	47.00
3625MHz_RB 50,#RB 0	Pass	10M	20.01	0.354	25.49	45.50	35.481	47.00
3695MHz_RB 50,#RB 0	Pass	10M	20.01	0.339	25.30	45.31	33.963	47.00
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	10M	20.01	0.362	25.59	45.60	36.308	47.00
3625MHz_RB 100,#RB 0	Pass	10M	20.01	0.394	25.96	45.97	39.537	47.00
3690MHz_RB 100,#RB 0	Pass	10M	20.01	0.374	25.73	45.74	37.497	47.00
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	10M	20.01	0.364	25.61	45.62	36.475	47.00
3625MHz_RB 100,#RB 0	Pass	10M	20.01	0.372	25.71	45.72	37.325	47.00
3690MHz_RB 100,#RB 0	Pass	10M	20.01	0.358	25.54	45.55	35.892	47.00
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	10M	20.01	0.393	25.94	45.95	39.355	47.00
3625MHz_RB 100,#RB 0	Pass	10M	20.01	0.376	25.75	45.76	37.670	47.00
3690MHz_RB 100,#RB 0	Pass	10M	20.01	0.379	25.79	45.80	38.019	47.00

DG = Directional Gain;

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



Average Power

Appendix A.3

Summary

Mode	Power (dBm)	Power (W)
Band 48	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	25.53	0.357
LTE_10MHz+10MHz_Nss1,16QAM_2TX	25.23	0.333
LTE_10MHz+10MHz_Nss1,64QAM_2TX	25.38	0.345
LTE_20MHz+20MHz_Nss1,QPSK_2TX	27.94	0.622
LTE_20MHz+20MHz_Nss1,16QAM_2TX	28.62	0.728
LTE_20MHz+20MHz_Nss1,64QAM_2TX	28.39	0.690

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Power (dBm)	Power (W)	Power Lim. (W)
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	17.00	22.36	22.68	25.53	0.357	Inf
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	17.00	21.79	22.21	25.02	0.318	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	17.00	22.24	22.29	25.28	0.337	Inf
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	17.00	21.85	22.51	25.20	0.331	Inf
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	17.00	22.15	22.29	25.23	0.333	Inf
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	17.00	21.64	21.84	24.75	0.299	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	17.00	21.60	21.76	24.69	0.294	Inf
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	17.00	21.30	21.89	24.62	0.290	Inf
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	17.00	22.14	22.34	25.25	0.335	Inf
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	17.00	21.78	22.05	24.93	0.311	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	17.00	22.37	22.36	25.38	0.345	Inf
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	17.00	22.13	22.57	25.37	0.344	Inf
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	17.00	24.92	24.94	27.94	0.622	Inf
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	17.00	24.30	24.46	27.39	0.548	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	17.00	24.74	24.73	27.75	0.596	Inf
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	17.00	24.54	24.88	27.72	0.592	Inf
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	17.00	25.59	25.62	28.62	0.728	Inf
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	17.00	24.80	24.94	27.88	0.614	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	17.00	25.17	25.15	28.17	0.656	Inf
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	17.00	24.89	25.23	28.07	0.641	Inf
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	17.00	25.27	25.49	28.39	0.690	Inf
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	17.00	24.55	24.98	27.78	0.600	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	17.00	25.26	25.20	28.24	0.667	Inf
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	17.00	25.10	25.42	28.27	0.671	Inf

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

Summary

Mode	Power (dBm/10MHz)	Power (W)	EIRP (dBm/10MHz)	EIRP (W)
Band 48	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	25.57	0.361	45.58	36.141
LTE_10MHz+10MHz_Nss1,16QAM_2TX	25.34	0.342	45.35	34.277
LTE_10MHz+10MHz_Nss1,64QAM_2TX	25.46	0.352	45.47	35.237
LTE_20MHz+20MHz_Nss1,QPSK_2TX	25.31	0.340	45.32	34.041
LTE_20MHz+20MHz_Nss1,16QAM_2TX	25.96	0.394	45.97	39.537
LTE_20MHz+20MHz_Nss1,64QAM_2TX	25.88	0.387	45.89	38.815

Result

Mode	Result	MBW (Hz)	DG (dBi)	Power (dBm/10MHz)	Power (W)	Power Limit (dBm/10MHz)	EIRP (dBm/10MHz)	EIRP (W)	EIRP Limit (dBm/10MHz)
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	10M	20.01	25.57	0.361	Inf	45.58	36.141	47.00
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	10M	20.01	25.08	0.322	Inf	45.09	32.285	47.00
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	10M	20.01	25.17	0.329	Inf	45.18	32.961	47.00
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	10M	20.01	25.13	0.326	Inf	45.14	32.659	47.00
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	10M	20.01	25.34	0.342	Inf	45.35	34.277	47.00
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	10M	20.01	24.78	0.301	Inf	44.79	30.130	47.00
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	10M	20.01	24.73	0.297	Inf	44.74	29.785	47.00
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	10M	20.01	24.62	0.290	Inf	44.63	29.040	47.00
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	10M	20.01	25.42	0.348	Inf	45.43	34.914	47.00
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	10M	20.01	24.95	0.313	Inf	44.96	31.333	47.00
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	10M	20.01	25.43	0.349	Inf	45.44	34.995	47.00
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	10M	20.01	25.46	0.352	Inf	45.47	35.237	47.00
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	10M	20.01	25.31	0.340	Inf	45.32	34.041	47.00
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	10M	20.01	24.91	0.310	Inf	44.92	31.046	47.00
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.26	0.336	Inf	45.27	33.651	47.00
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.22	0.333	Inf	45.23	33.343	47.00
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	10M	20.01	25.96	0.394	Inf	45.97	39.537	47.00
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	10M	20.01	25.43	0.349	Inf	45.44	34.995	47.00
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.68	0.370	Inf	45.69	37.068	47.00
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.56	0.360	Inf	45.57	36.058	47.00
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	10M	20.01	25.88	0.387	Inf	45.89	38.815	47.00
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	10M	20.01	25.31	0.340	Inf	45.32	34.041	47.00
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.77	0.378	Inf	45.78	37.844	47.00
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	10M	20.01	25.74	0.375	Inf	45.75	37.584	47.00

DG = Directional Gain;

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

Summary

Mode	PD (dBm/MHz)	EIRP PD (dBm/MHz)
Band 48	-	-
LTE_10MHz_Nss1,QPSK_2TX	16.84	36.85
LTE_10MHz_Nss1,16QAM_2TX	16.61	36.62
LTE_10MHz_Nss1,64QAM_2TX	16.72	36.73
LTE_20MHz_Nss1,QPSK_2TX	16.59	36.60
LTE_20MHz_Nss1,16QAM_2TX	16.37	36.38
LTE_20MHz_Nss1,64QAM_2TX	16.56	36.57

Result

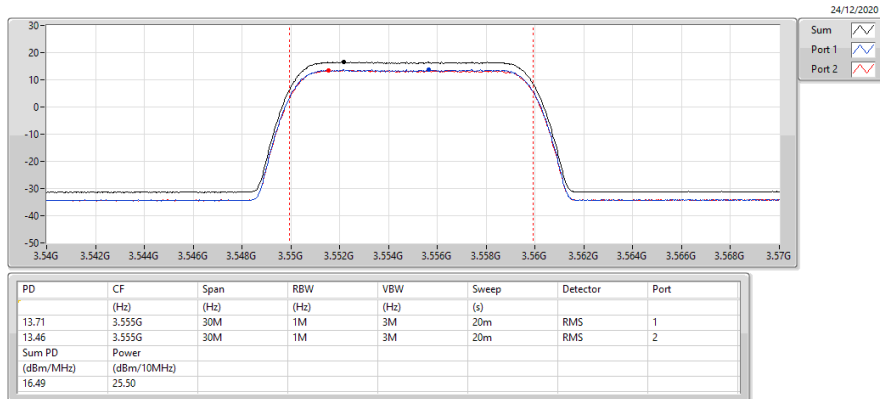
Mode	Result	DG (dBi)	Port 1 (dBm/MHz)	Port 2 (dBm/MHz)	Sum (dBm/MHz)	PD (dBm/MHz)	PD Limit (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)
Band 48_LTE_10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	20.01	13.71	13.46	16.49	16.49	Inf	36.50	37.00
3625MHz_RB 50,#RB 0	Pass	20.01	14.07	13.91	16.84	16.84	Inf	36.85	37.00
3695MHz_RB 50,#RB 0	Pass	20.01	13.84	13.49	16.60	16.60	Inf	36.61	37.00
Band 48_LTE_10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	20.01	13.75	13.49	16.47	16.47	Inf	36.48	37.00
3625MHz_RB 50,#RB 0	Pass	20.01	13.27	13.13	16.16	16.16	Inf	36.17	37.00
3695MHz_RB 50,#RB 0	Pass	20.01	13.97	13.50	16.61	16.61	Inf	36.62	37.00
Band 48_LTE_10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	20.01	13.33	13.05	16.05	16.05	Inf	36.06	37.00
3625MHz_RB 50,#RB 0	Pass	20.01	13.86	13.74	16.72	16.72	Inf	36.73	37.00
3695MHz_RB 50,#RB 0	Pass	20.01	13.74	13.69	16.63	16.63	Inf	36.64	37.00
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	20.01	13.42	13.21	16.11	16.11	Inf	36.12	37.00
3625MHz_RB 100,#RB 0	Pass	20.01	13.75	13.67	16.59	16.59	Inf	36.60	37.00
3690MHz_RB 100,#RB 0	Pass	20.01	13.57	13.28	16.30	16.30	Inf	36.31	37.00
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	20.01	13.44	13.24	16.29	16.29	Inf	36.30	37.00
3625MHz_RB 100,#RB 0	Pass	20.01	13.60	13.37	16.37	16.37	Inf	36.38	37.00
3690MHz_RB 100,#RB 0	Pass	20.01	13.31	13.04	16.12	16.12	Inf	36.13	37.00
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	20.01	13.72	13.53	16.56	16.56	Inf	36.57	37.00
3625MHz_RB 100,#RB 0	Pass	20.01	13.51	13.48	16.38	16.38	Inf	36.39	37.00
3690MHz_RB 100,#RB 0	Pass	20.01	13.63	13.30	16.35	16.35	Inf	36.36	37.00

DG = Directional Gain;

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

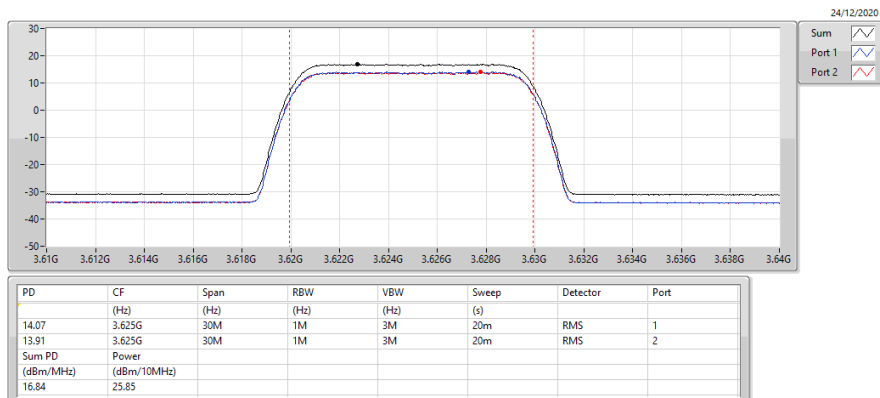
Band 48_LTE_10MHz_Nss1,QPSK_2TX
3555MHz_QPSK_RB 50,#RB 0

PSD



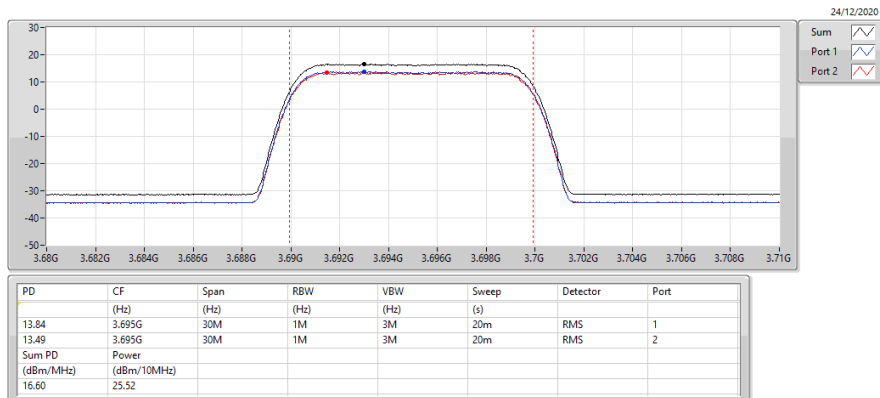
Band 48_LTE_10MHz_Nss1,QPSK_2TX
3625MHz_QPSK_RB 50,#RB 0

PSD



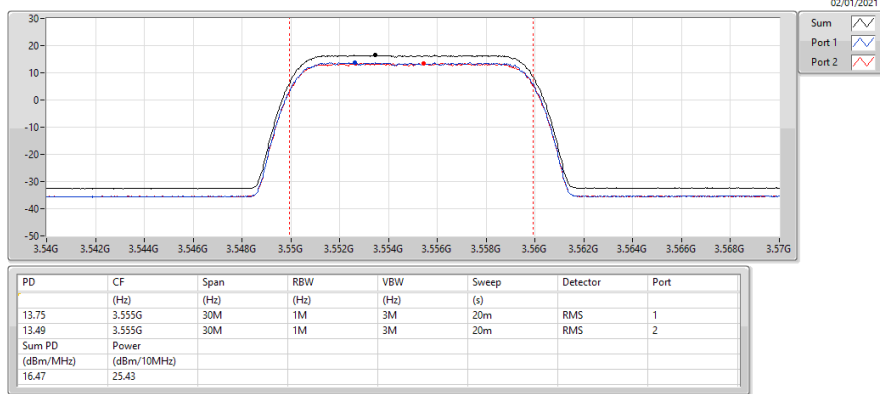
Band 48_LTE_10MHz_Nss1,QPSK_2TX
3695MHz_QPSK_RB 50,#RB 0

PSD



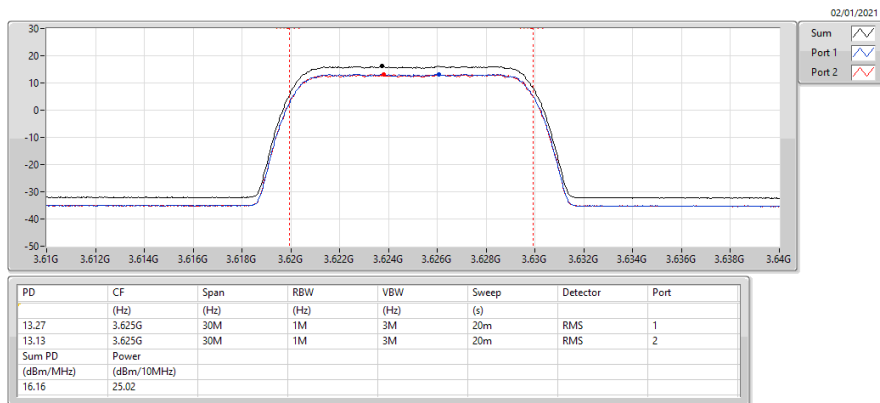
Band 48_LTE_10MHz_Nss1,16QAM_2TX
3555MHz_16QAM_RB 50,#RB 0

PSD



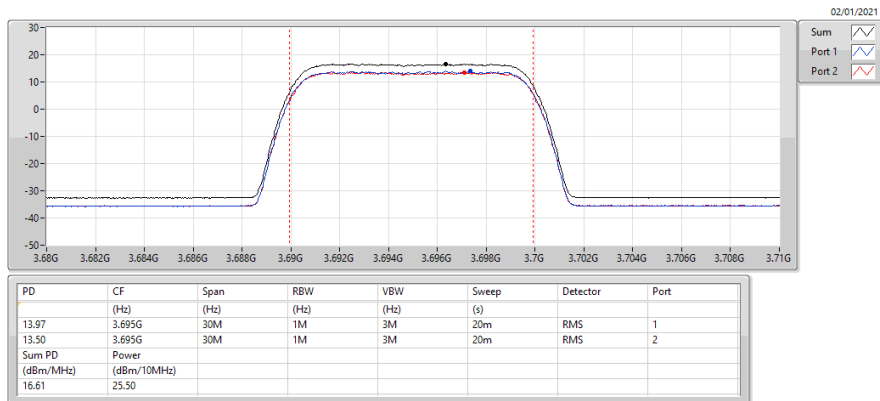
Band 48_LTE_10MHz_Nss1,16QAM_2TX
3625MHz_16QAM_RB 50,#RB 0

PSD



Band 48_LTE_10MHz_Nss1,16QAM_2TX
3695MHz_16QAM_RB 50,#RB 0

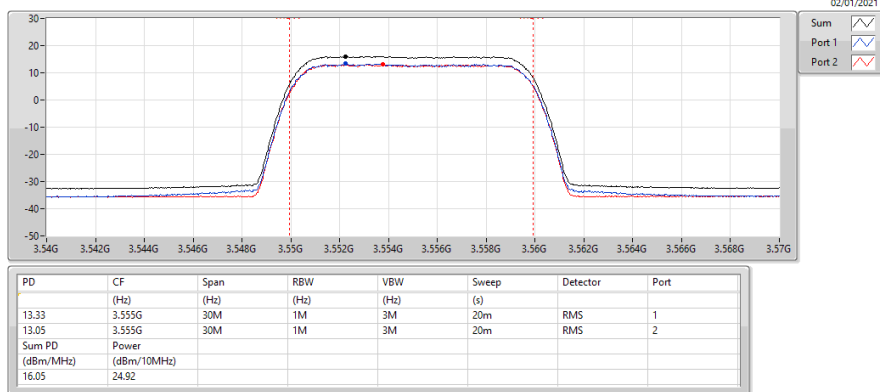
PSD



Band 48_LTE_10MHz_Nss1,64QAM_2TX

PSD

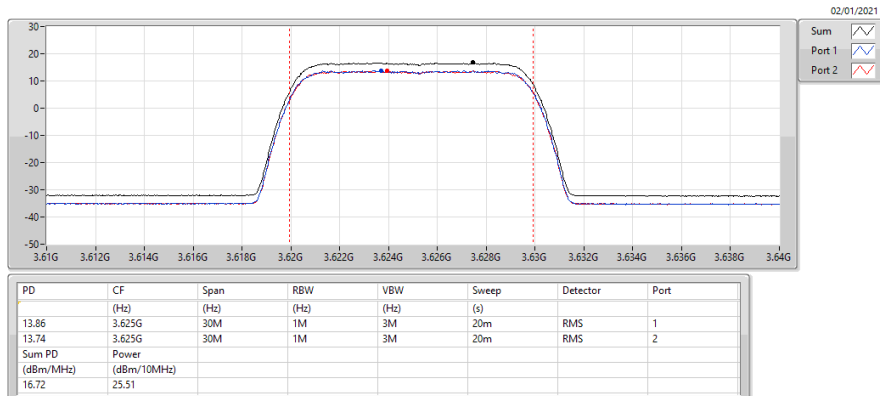
3555MHz_64QAM_RB 50,#RB 0



Band 48_LTE_10MHz_Nss1,64QAM_2TX

PSD

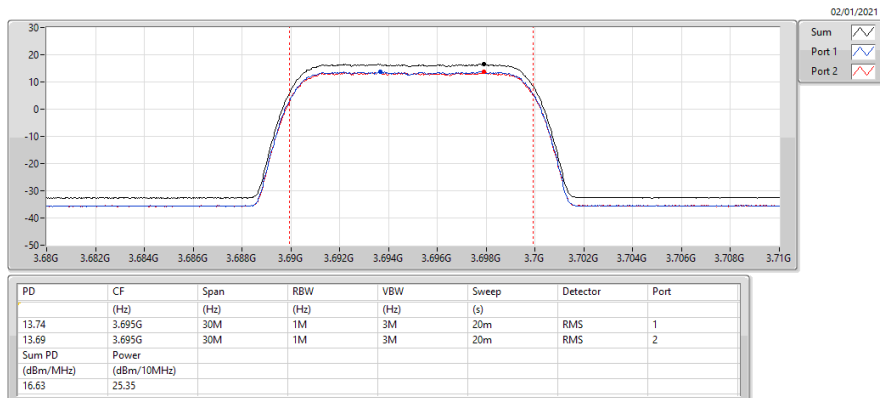
3625MHz_64QAM_RB 50,#RB 0



Band 48_LTE_10MHz_Nss1,64QAM_2TX

PSD

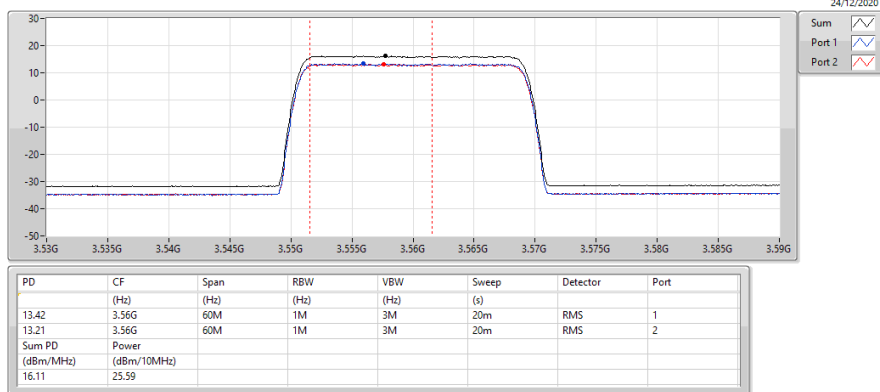
3695MHz_64QAM_RB 50,#RB 0



Band 48_LTE_20MHz_Nss1,QPSK_2TX

PSD

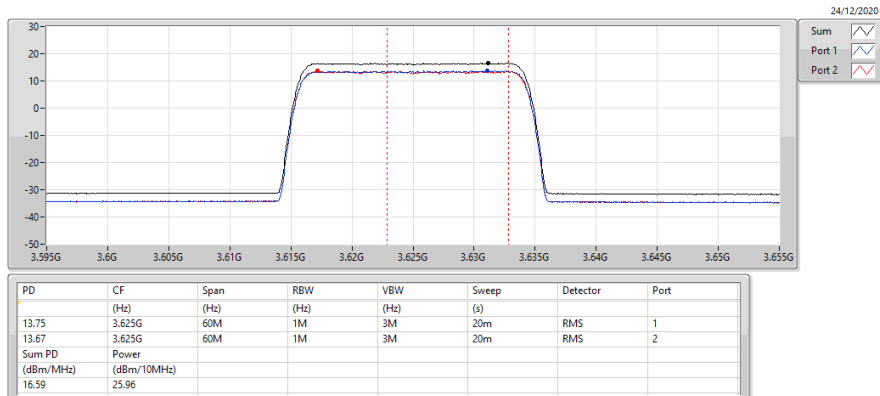
3560MHz_QPSK_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,QPSK_2TX

PSD

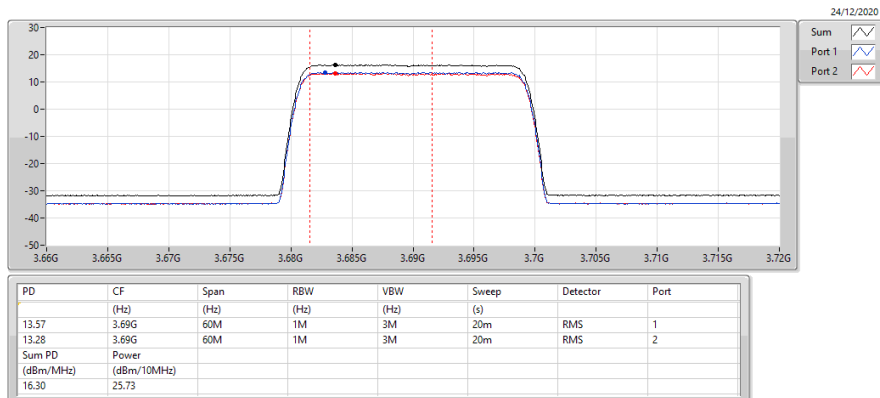
3625MHz_QPSK_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,QPSK_2TX

PSD

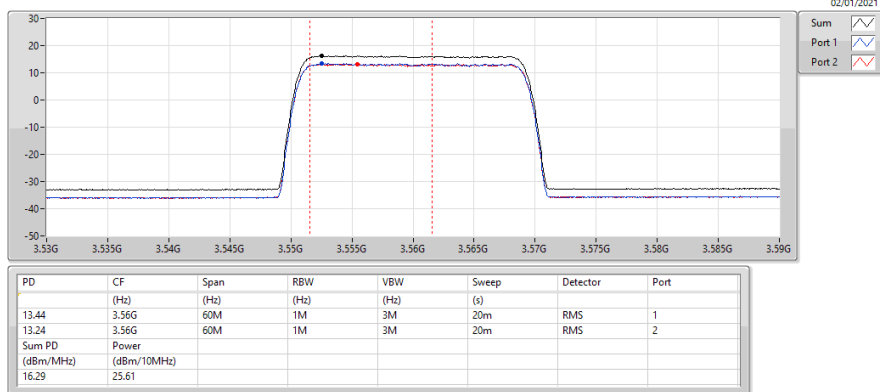
3690MHz_QPSK_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,16QAM_2TX

PSD

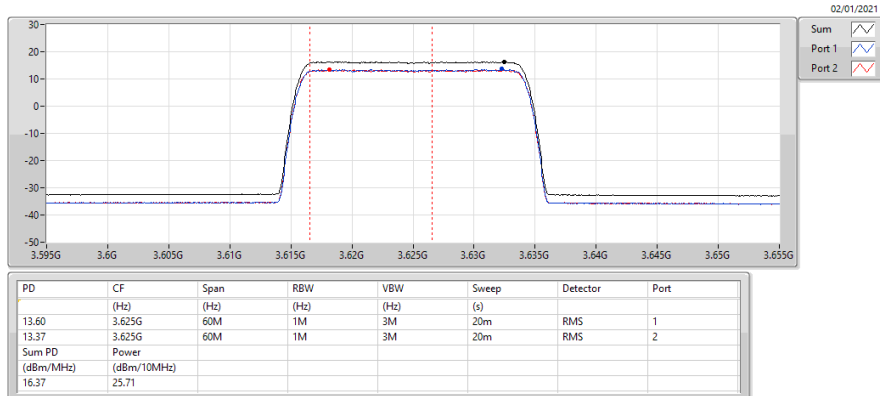
3560MHz_16QAM_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,16QAM_2TX

PSD

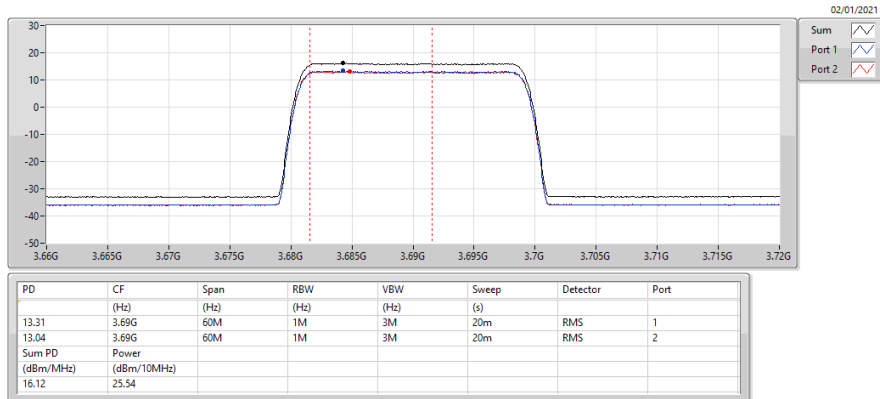
3625MHz_16QAM_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,16QAM_2TX

PSD

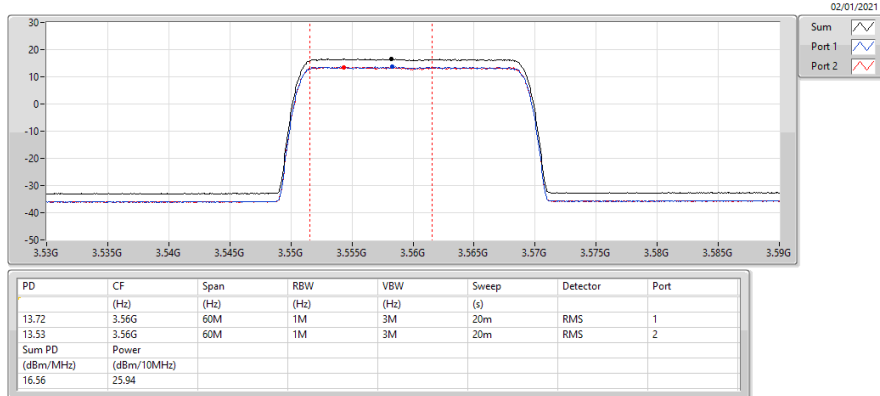
3690MHz_16QAM_RB 100,#RB 0



Band 48_LTE_20MHz_Nss1,64QAM_2TX

3560MHz_64QAM_RB 100,#RB 0

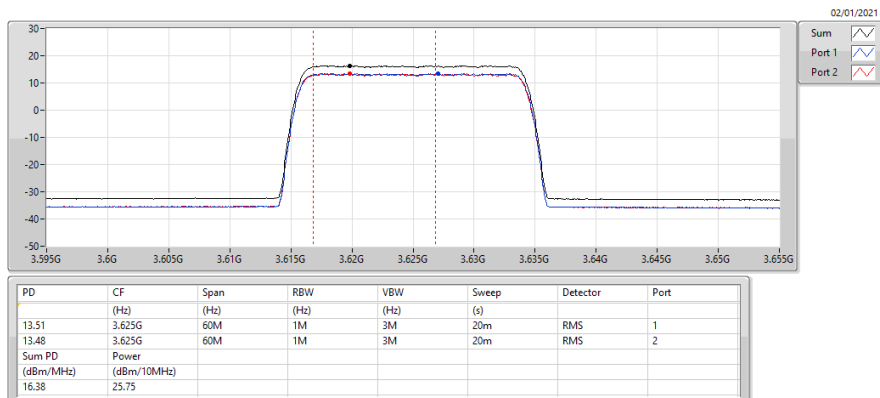
PSD



Band 48_LTE_20MHz_Nss1,64QAM_2TX

3625MHz_64QAM_RB 100,#RB 0

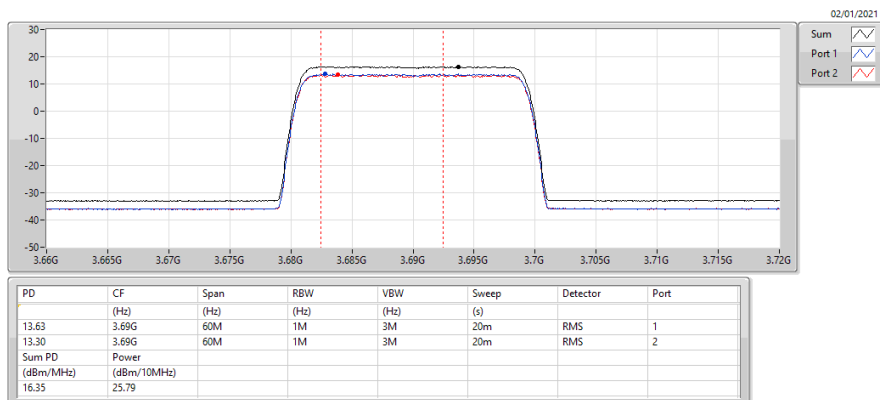
PSD



Band 48_LTE_20MHz_Nss1,64QAM_2TX

3690MHz_64QAM_RB 100,#RB 0

PSD





Summary

Mode	PD (dBm/MHz)	EIRP PD (dBm/MHz)
Band 48	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	16.98	36.99
LTE_10MHz+10MHz_Nss1,16QAM_2TX	16.78	36.79
LTE_10MHz+10MHz_Nss1,64QAM_2TX	16.89	36.90
LTE_20MHz+20MHz_Nss1,QPSK_2TX	16.07	36.08
LTE_20MHz+20MHz_Nss1,16QAM_2TX	16.81	36.82
LTE_20MHz+20MHz_Nss1,64QAM_2TX	16.59	36.60

Result

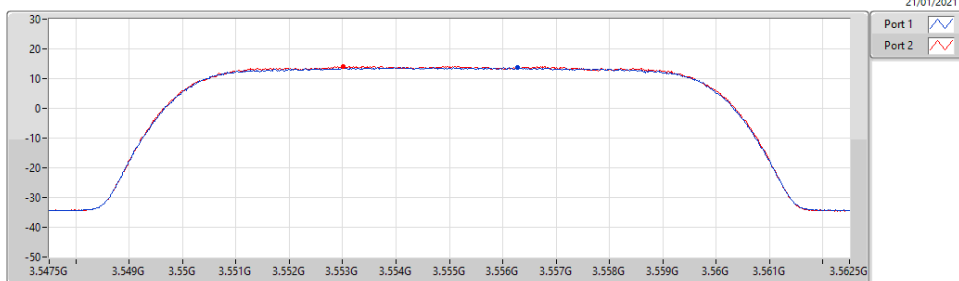
Mode	Result	DG (dBi)	PD (dBm/MHz)	PD Limit (dBm/MHz)	EIRP PD (dBm/MHz)	EIRP PD Limit (dBm/MHz)	Port 1 (dBm/MHz)	Port 2 (dBm/MHz)
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	20.01	16.98	Inf	36.99	37.00	13.79	14.15
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	20.01	16.56	Inf	36.57	37.00	13.39	13.70
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	20.01	16.48	Inf	36.49	37.00	13.31	13.62
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	20.01	16.59	Inf	36.60	37.00	13.21	13.92
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	20.01	16.78	Inf	36.79	37.00	13.91	13.63
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	20.01	16.20	Inf	36.21	37.00	13.14	13.23
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	20.01	16.17	Inf	36.18	37.00	13.11	13.20
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	20.01	16.04	Inf	36.05	37.00	12.83	13.22
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	20.01	16.89	Inf	36.90	37.00	13.68	14.07
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	20.01	16.37	Inf	36.38	37.00	13.19	13.52
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	20.01	16.85	Inf	36.86	37.00	13.81	13.86
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	20.01	16.88	Inf	36.89	37.00	13.63	14.10
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	20.01	16.07	Inf	36.08	37.00	12.93	13.18
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	20.01	15.58	Inf	35.59	37.00	12.47	12.66
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	20.01	16.07	Inf	36.08	37.00	13.00	13.12
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	20.01	15.88	Inf	35.89	37.00	12.67	13.07
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	20.01	16.81	Inf	36.82	37.00	13.80	13.80
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	20.01	16.22	Inf	36.23	37.00	13.10	13.31
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	20.01	16.45	Inf	36.46	37.00	13.39	13.48
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	20.01	16.24	Inf	36.25	37.00	13.06	13.40
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	20.01	16.59	Inf	36.60	37.00	13.45	13.70
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	20.01	16.04	Inf	36.05	37.00	12.80	13.24
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	20.01	16.52	Inf	36.53	37.00	13.50	13.51
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	20.01	16.50	Inf	36.51	37.00	13.35	13.62

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
P#3555MHz,3625MHz_QPSK_P_50@L+S_50@L

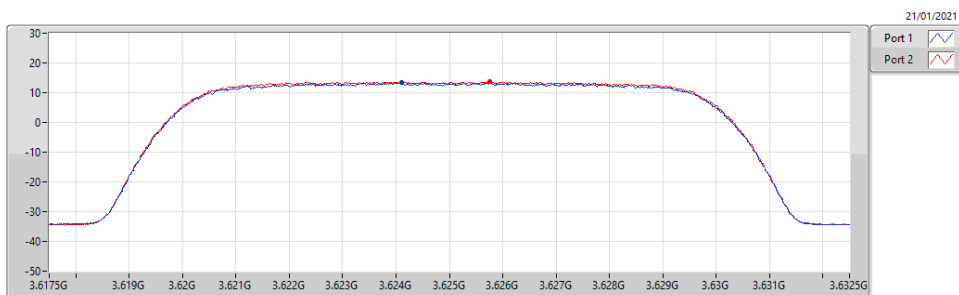
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.79	3.555G	15M	1M	3M	20m	RMS	1
14.15	3.555G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.98							

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
P3555MHz,#3625MHz_QPSK_P_50@L+S_50@L

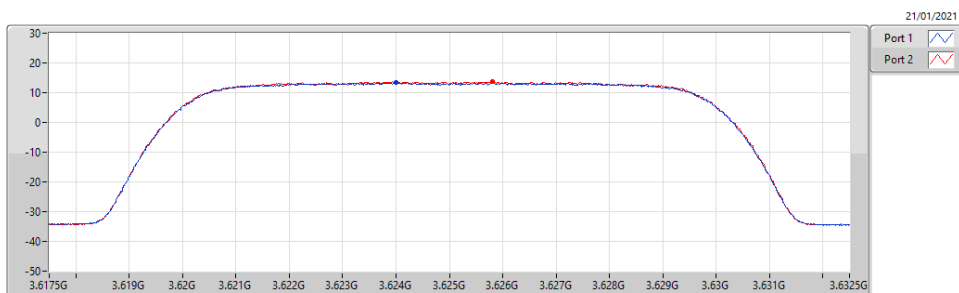
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.39	3.625G	15M	1M	3M	20m	RMS	1
13.70	3.625G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.56							

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
P#3625MHz,3695MHz_QPSK_P_50@L+S_50@L

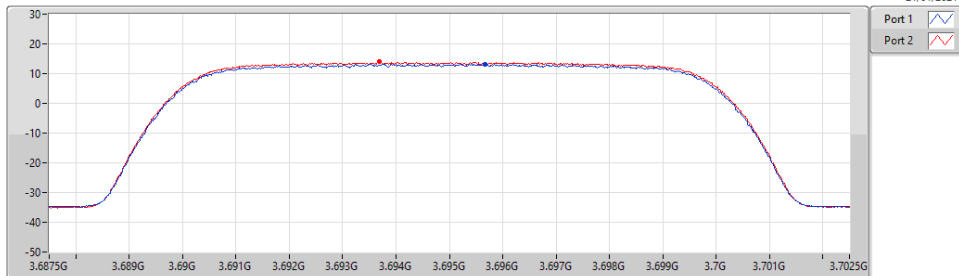
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.31	3.625G	15M	1M	3M	20m	RMS	1
13.62	3.625G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.48							

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
P3625MHz,#3695MHz_QPSK_P_50@L+S_50@L

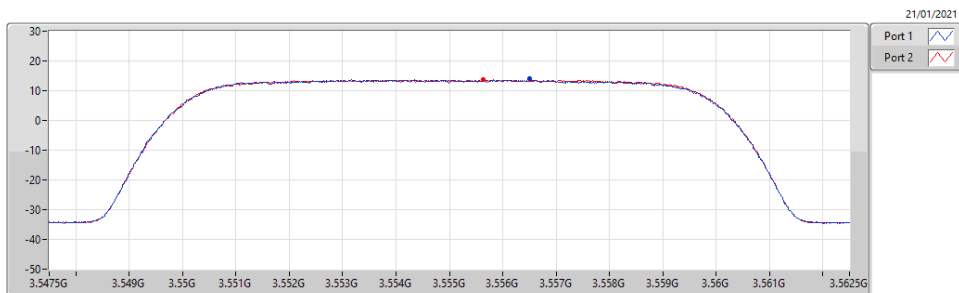
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.21	3.695G	15M	1M	3M	20m	RMS	1
13.92	3.695G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.59							

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
P#3555MHz,3625MHz_16QAM_P_50@L+S_50@L

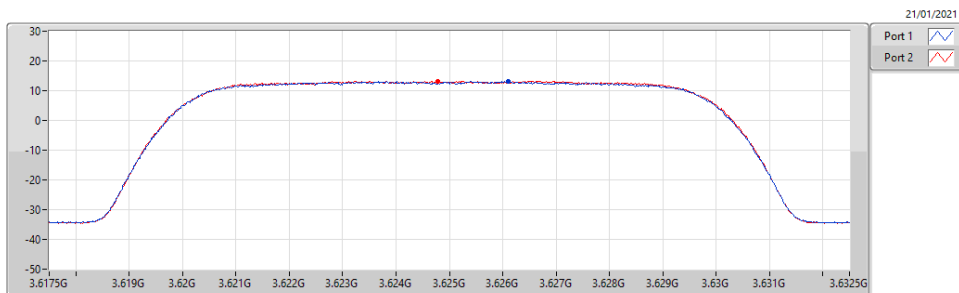
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.91	3.555G	15M	1M	3M	20m	RMS	1
13.63	3.555G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.78							

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
P3555MHz,#3625MHz_16QAM_P_50@L+S_50@L

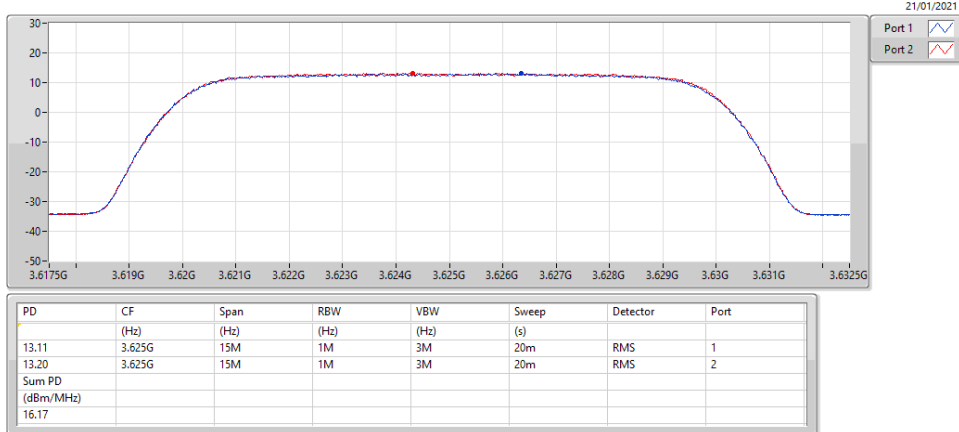
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.14	(Hz)	15M	1M	3M	20m	RMS	1
13.23	3.625G	15M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.20							

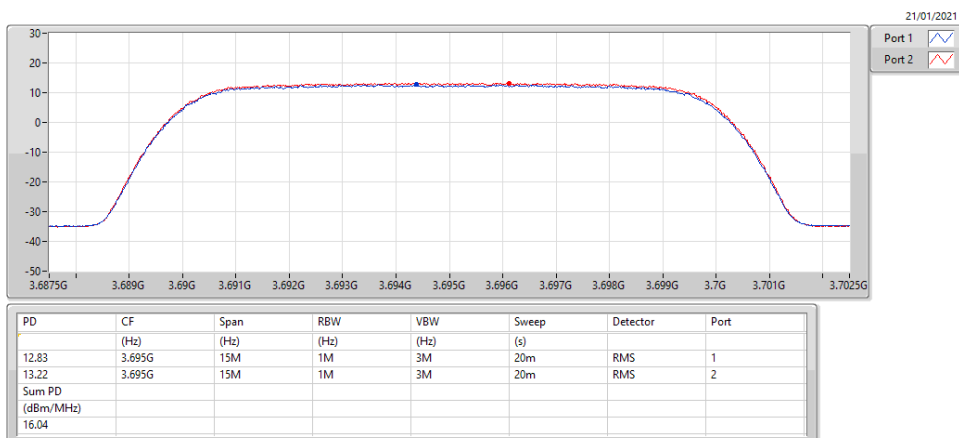
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
P#3625MHz,3695MHz_16QAM_P_50@L+S_50@L

PSD



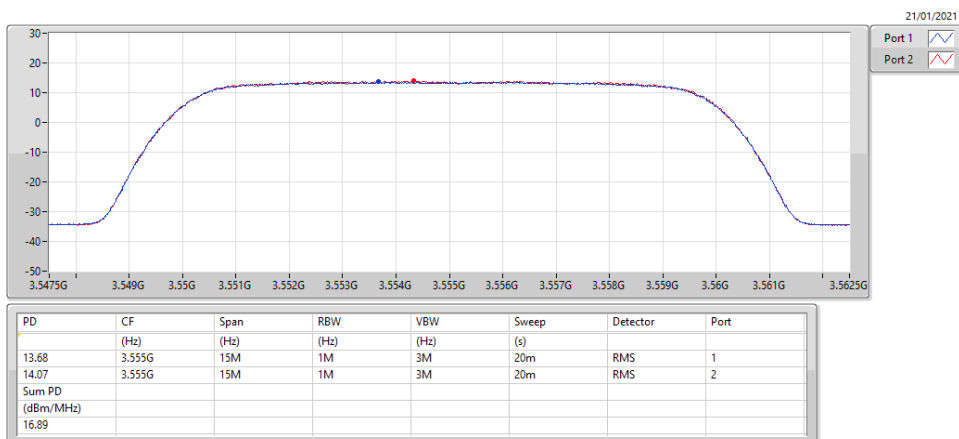
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
P#3625MHz,#3695MHz_16QAM_P_50@L+S_50@L

PSD



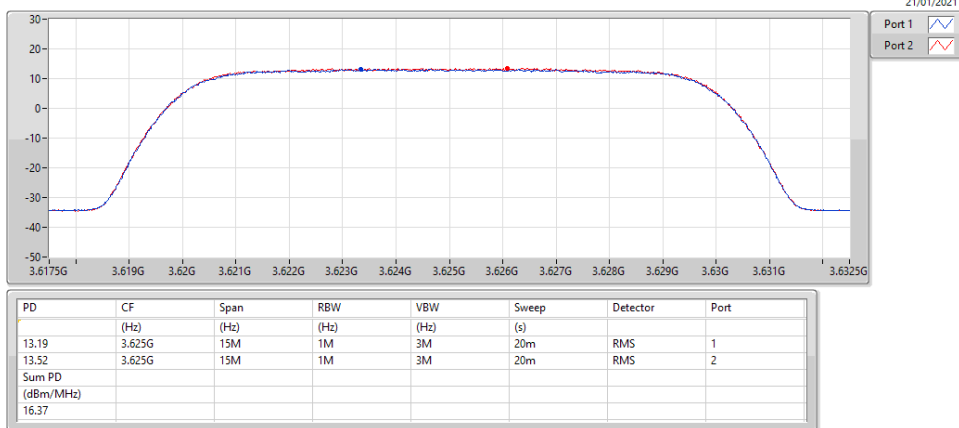
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
P#3555MHz,3625MHz_64QAM_P_50@L+S_50@L

PSD



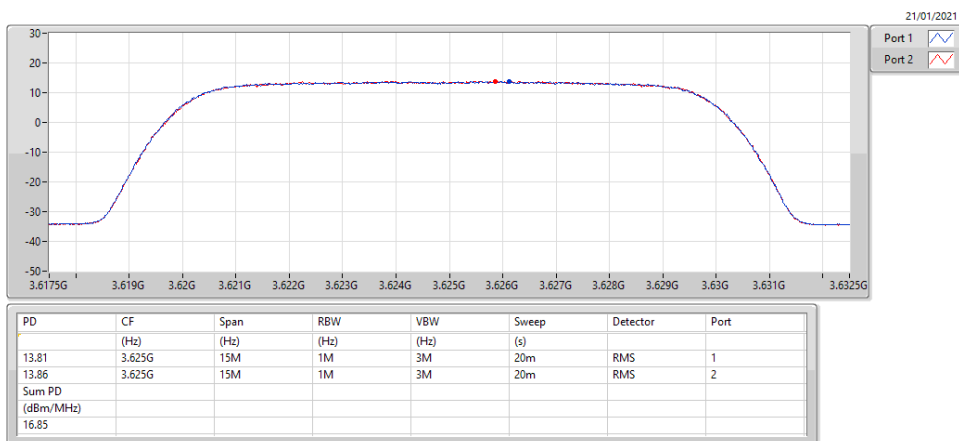
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
P3555MHz,#3625MHz_64QAM_P_50@L+S_50@L

PSD



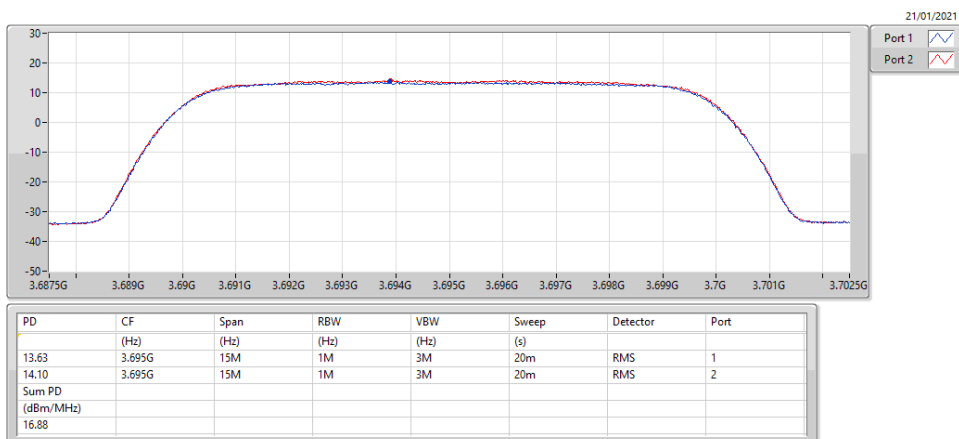
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
P#3625MHz,3695MHz_64QAM_P_50@L+S_50@L

PSD



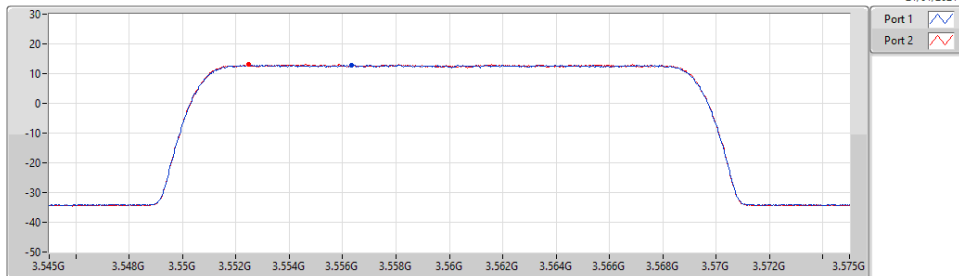
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
P3625MHz,#3695MHz_64QAM_P_50@L+S_50@L

PSD



Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
P#3560MHz,3625MHz_QPSK_P_100@L+S_100@L

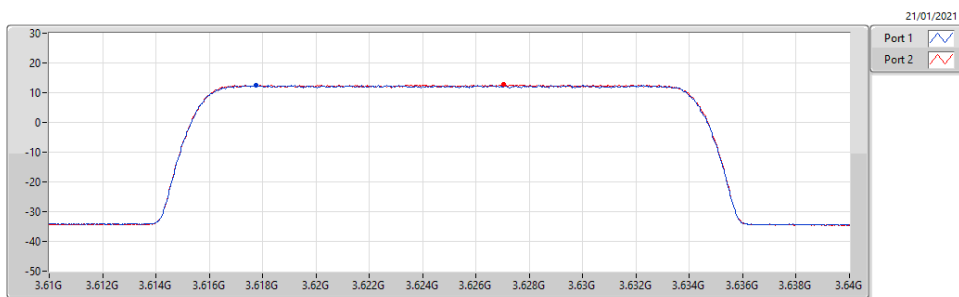
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
12.93	3.56G	30M	1M	3M	20m	RMS	1
13.18	3.56G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.07							

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
P3560MHz,#3625MHz_QPSK_P_100@L+S_100@L

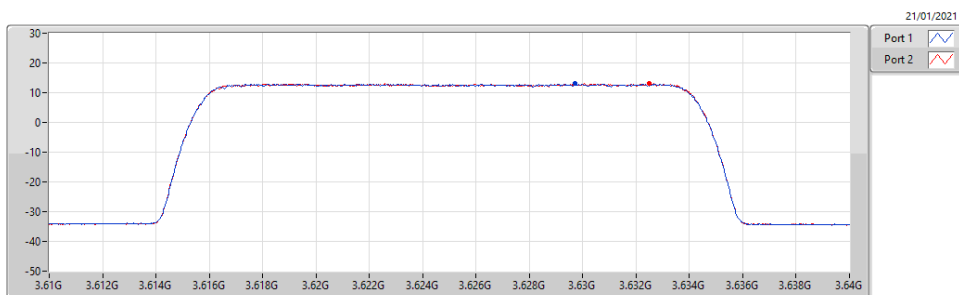
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
12.47	3.625G	30M	1M	3M	20m	RMS	1
12.66	3.625G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
15.58							

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
P#3625MHz,3690MHz_QPSK_P_100@L+S_100@L

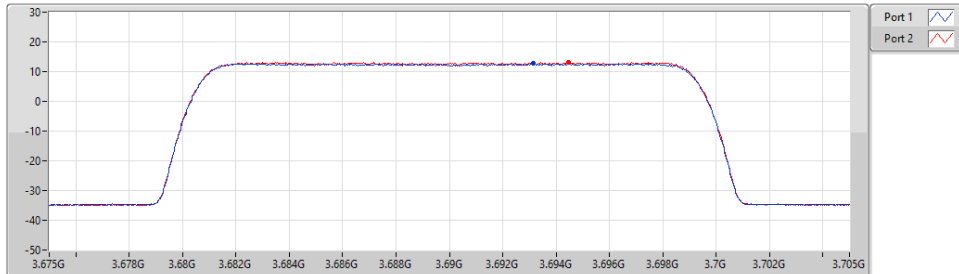
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.00	3.625G	30M	1M	3M	20m	RMS	1
13.12	3.625G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.07							

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
P3625MHz,#3690MHz_QPSK_P_100@L+S_100@L

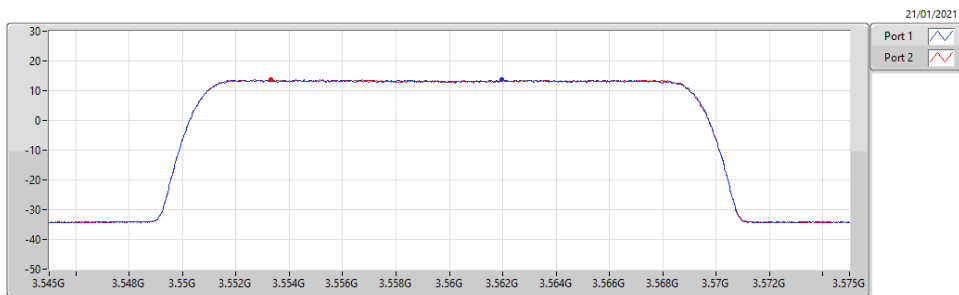
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
12.67	3.69G	30M	1M	3M	20m	RMS	1
13.07	3.69G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
15.88							

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
P#3560MHz,3625MHz_16QAM_P_100@L+S_100@L

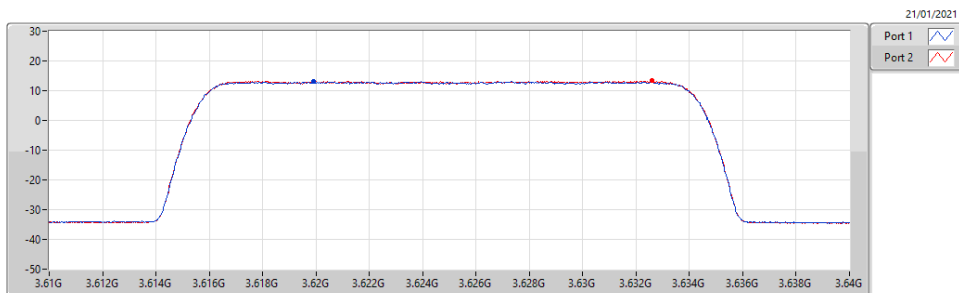
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.80	3.56G	30M	1M	3M	20m	RMS	1
13.80	3.56G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.81							

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
P3560MHz,#3625MHz_16QAM_P_100@L+S_100@L

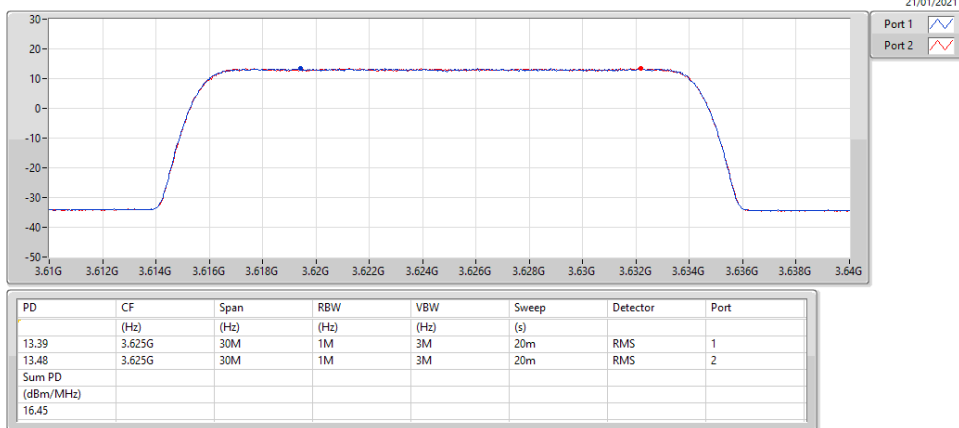
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.10	3.625G	30M	1M	3M	20m	RMS	1
13.31	3.625G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.22							

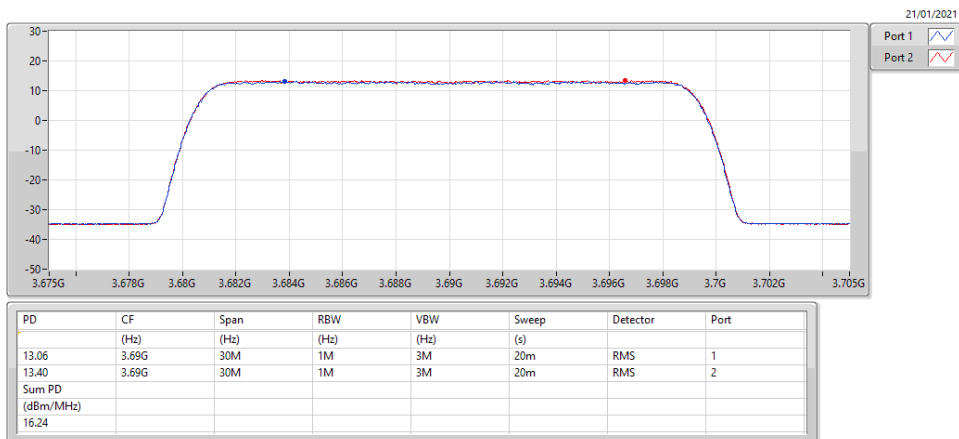
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
P#3625MHz,3690MHz_16QAM_P_100@L+S_100@L

PSD



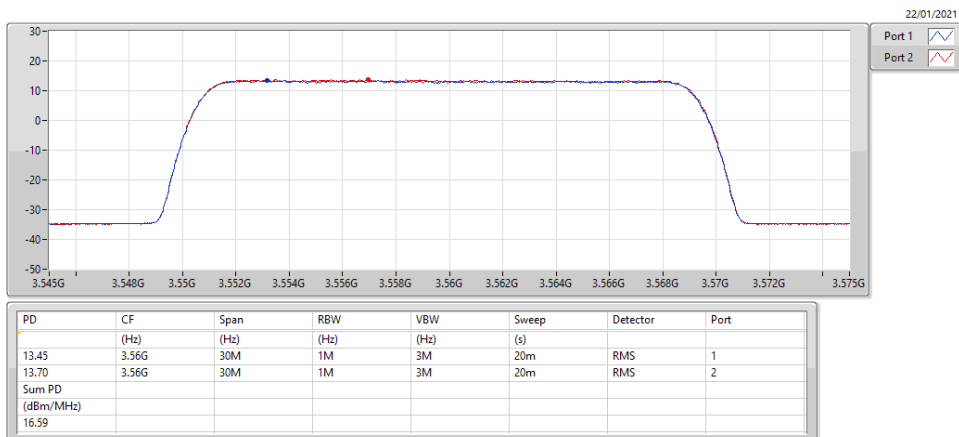
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
P3625MHz,#3690MHz_16QAM_P_100@L+S_100@L

PSD



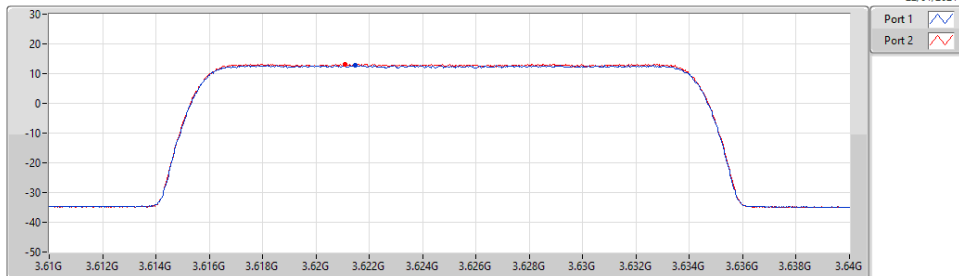
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P#3560MHz,3625MHz_64QAM_P_100@L+S_100@L

PSD



Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P3560MHz,#3625MHz_64QAM_P_100@L+S_100@L

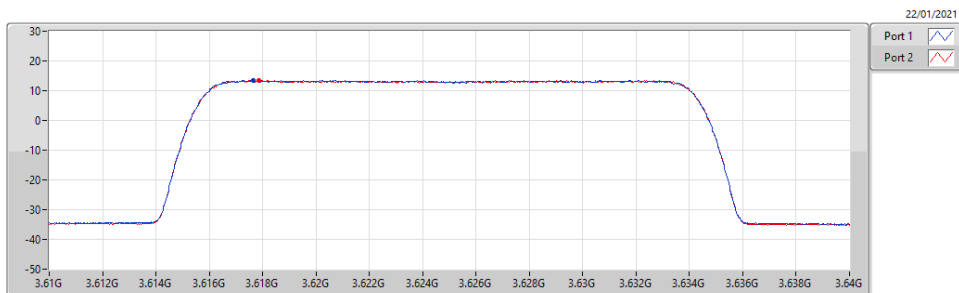
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
12.80	3.625G	30M	1M	3M	20m	RMS	1
13.24	3.625G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.04							

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P#3625MHz,3690MHz_64QAM_P_100@L+S_100@L

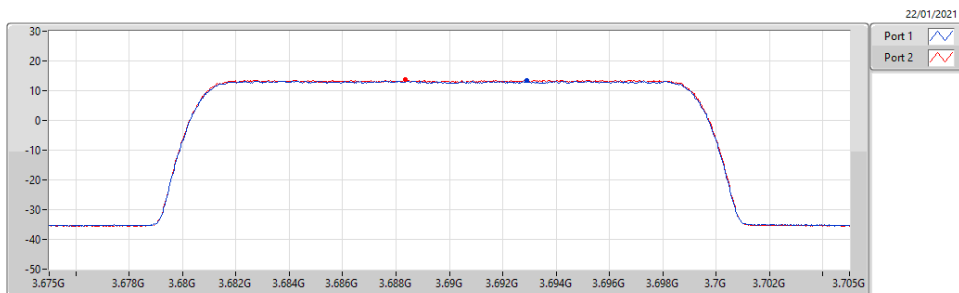
PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.50	3.625G	30M	1M	3M	20m	RMS	1
13.51	3.625G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.52							

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P3625MHz,#3690MHz_64QAM_P_100@L+S_100@L

PSD



PD	CF	Span	RBW	VBW	Sweep	Detector	Port
13.35	3.69G	30M	1M	3M	20m	RMS	1
13.62	3.69G	30M	1M	3M	20m	RMS	2
Sum PD							
(dBm/MHz)							
16.50							



Peak to Average Power Ratio (PAPR)

Appendix C.1

Summary

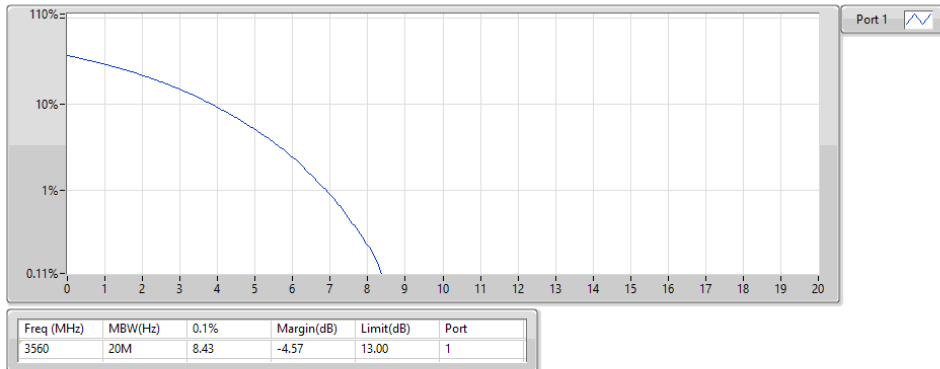
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48	-	-	-	-	-
LTE_20MHz_Nss1,QPSK_2TX	Pass	3560	13.00	8.43	1
LTE_20MHz_Nss1,16QAM_2TX	Pass	3560	13.00	10.14	1
LTE_20MHz_Nss1,64QAM_2TX	Pass	3560	13.00	10.35	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	3560	13.00	8.43	1
3625MHz_RB 100,#RB 0	Pass	3625	13.00	8.35	1
3690MHz_RB 100,#RB 0	Pass	3690	13.00	8.43	1
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	3560	13.00	10.14	1
3625MHz_RB 100,#RB 0	Pass	3625	13.00	8.46	1
3690MHz_RB 100,#RB 0	Pass	3690	13.00	8.38	1
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	3560	13.00	10.35	1
3625MHz_RB 100,#RB 0	Pass	3625	13.00	8.32	1
3690MHz_RB 100,#RB 0	Pass	3690	13.00	8.32	1

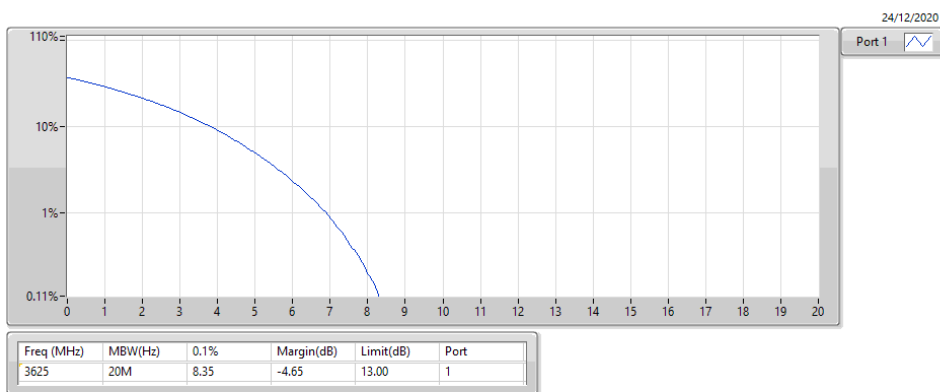
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3560MHz_QPSK_RB 100,#RB 0

PAR



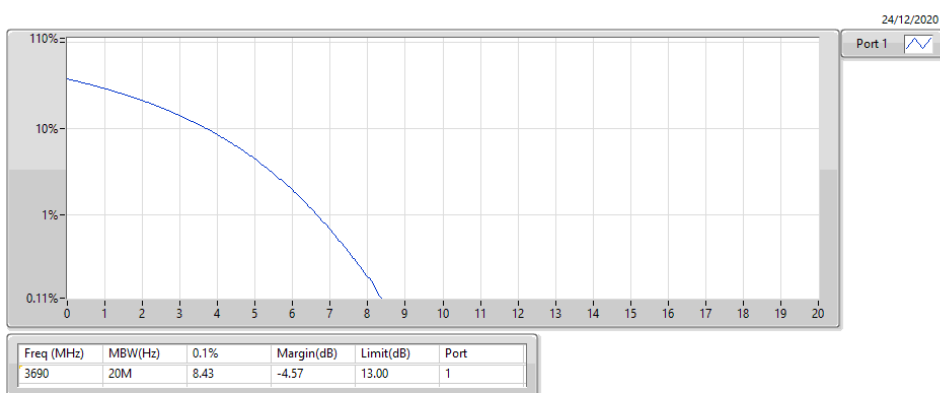
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3625MHz_QPSK_RB 100,#RB 0

PAR



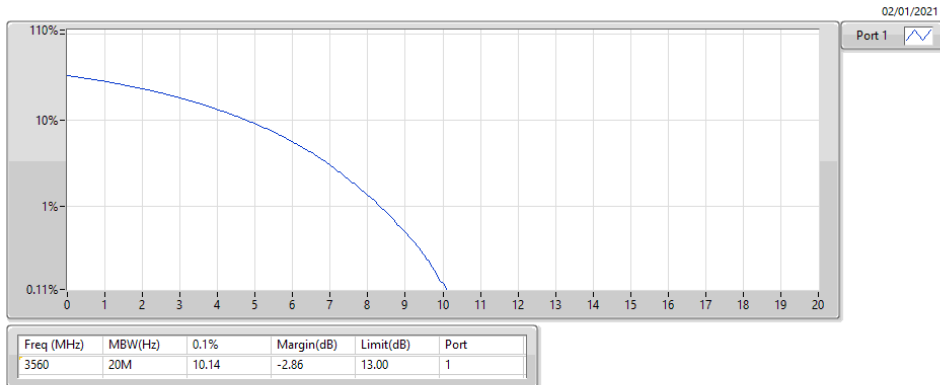
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3690MHz_QPSK_RB 100,#RB 0

PAR



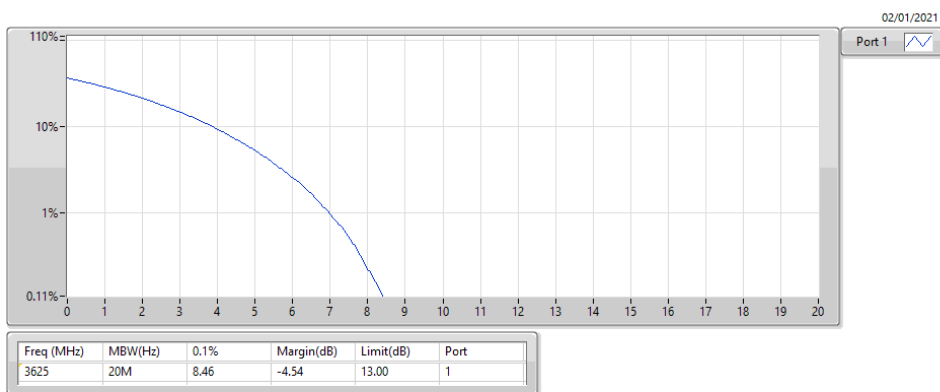
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PAR



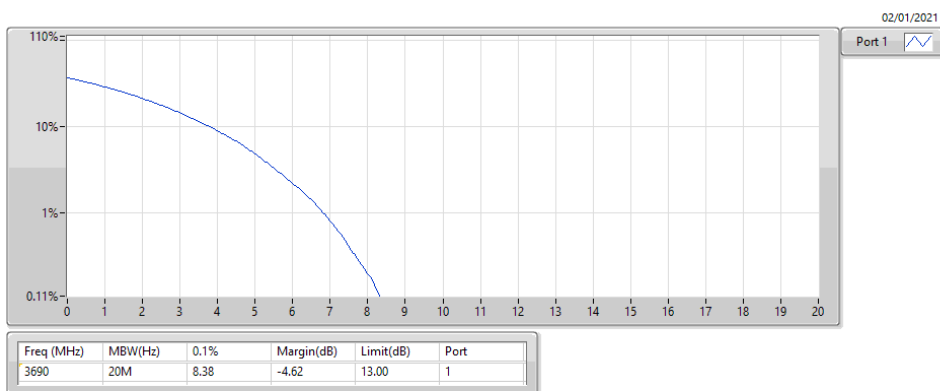
Band 48_LTE_20MHz_Nss1,16QAM_2TX
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PAR



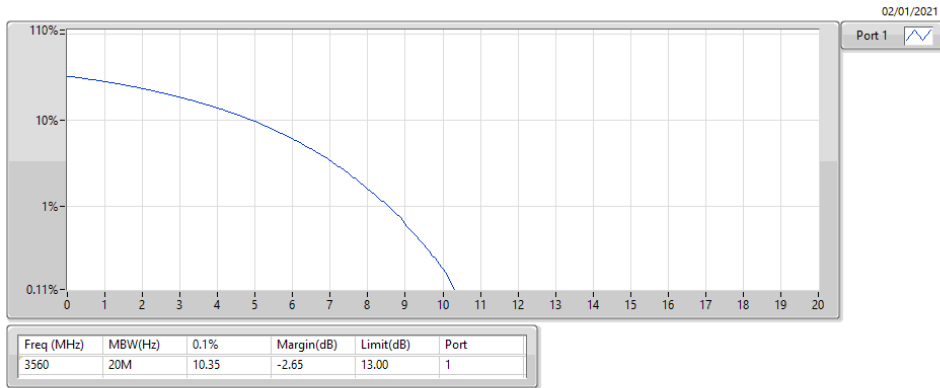
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3690MHz_16QAM_RB 100,#RB 0

PAR



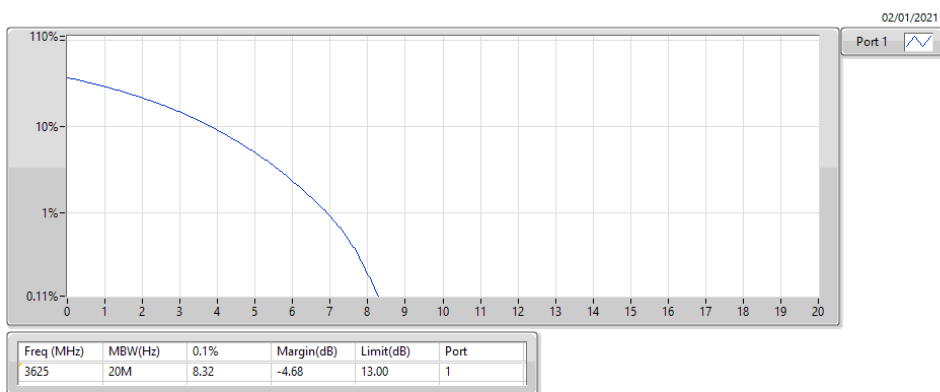
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PAR



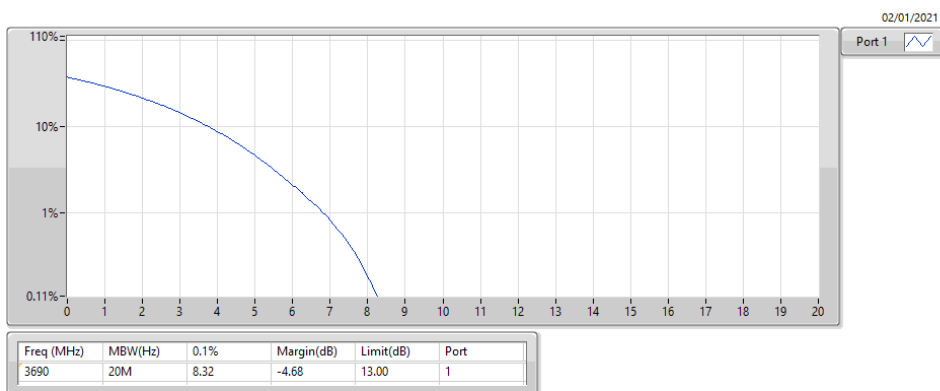
Band 48_LTE_20MHz_Nss1,64QAM_2TX
3625MHz_64QAM_RB 100,#RB 0

PAR



Band 48_LTE_20MHz_Nss1,64QAM_2TX
3690MHz_64QAM_RB 100,#RB 0

PAR



**Summary**

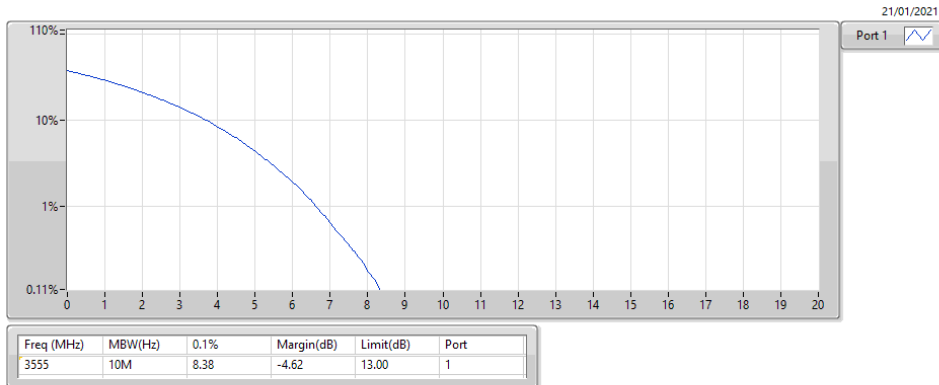
Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	Pass	3625	13.00	11.45	1
LTE_10MHz+10MHz_Nss1,16QAM_2TX	Pass	3555	13.00	12.61	1
LTE_10MHz+10MHz_Nss1,64QAM_2TX	Pass	3555	13.00	10.29	1
LTE_20MHz+20MHz_Nss1,QPSK_2TX	Pass	3625	13.00	8.93	1
LTE_20MHz+20MHz_Nss1,16QAM_2TX	Pass	3690	13.00	10.67	1
LTE_20MHz+20MHz_Nss1,64QAM_2TX	Pass	3625	13.00	10.93	1

Result

Mode	Result	Freq (MHz)	Limit (dB)	0.1%	Port
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	3555	13.00	8.38	1
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	3625	13.00	11.45	1
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	3625	13.00	8.29	1
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	3695	13.00	8.29	1
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	3555	13.00	12.61	1
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	3625	13.00	9.01	1
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	3625	13.00	8.29	1
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	3695	13.00	8.32	1
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	3555	13.00	10.29	1
P3555MHz,#3625MHz_P_50@L+S_50@L	Pass	3625	13.00	8.96	1
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	3625	13.00	8.78	1
P3625MHz,#3695MHz_P_50@L+S_50@L	Pass	3695	13.00	8.99	1
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	3560	13.00	8.75	1
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3625	13.00	8.55	1
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	3625	13.00	8.93	1
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3690	13.00	8.70	1
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	3560	13.00	8.90	1
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3625	13.00	8.84	1
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	3625	13.00	8.61	1
P3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3690	13.00	10.67	1
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	3560	13.00	8.17	1
P3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3625	13.00	8.75	1
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	3625	13.00	10.93	1
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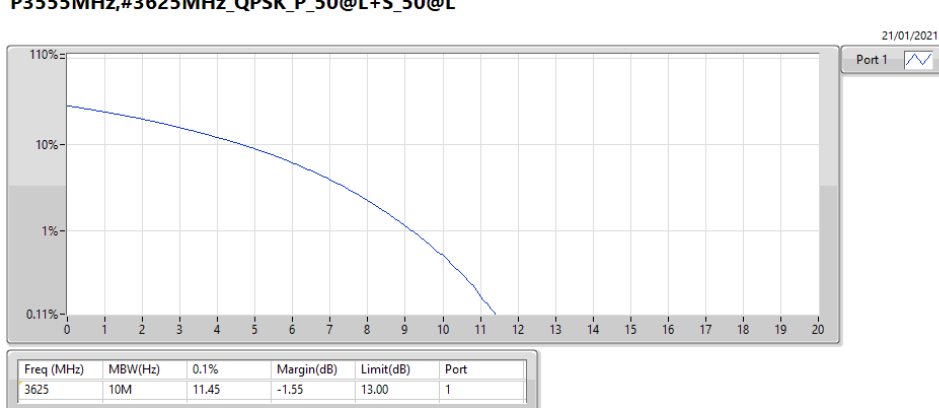
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PAR



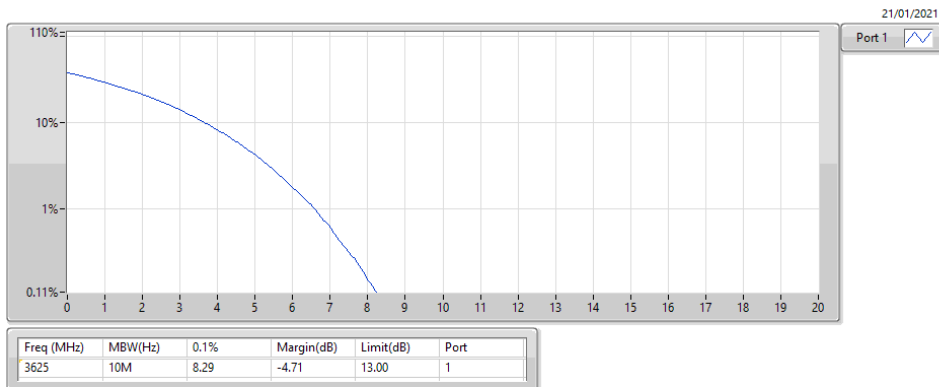
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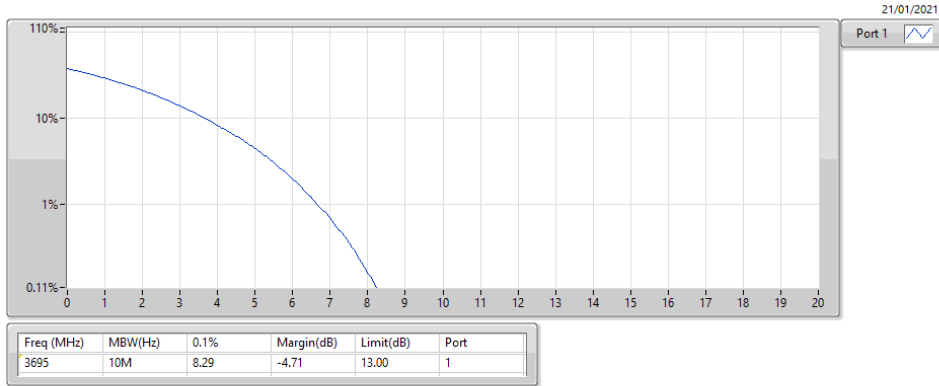
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PAR



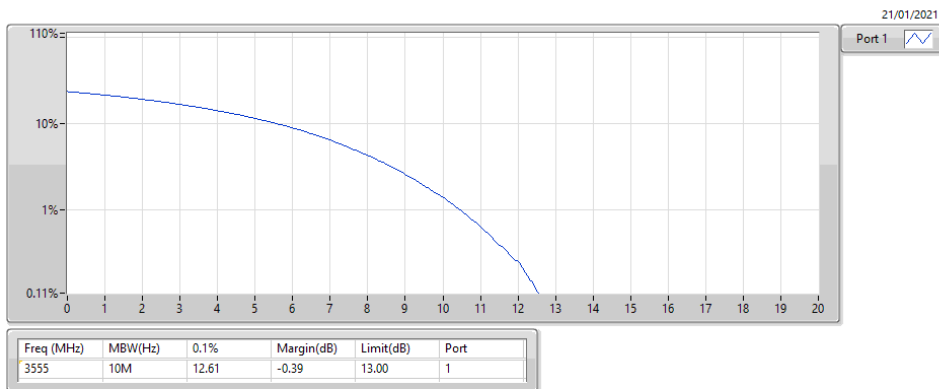
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PAR



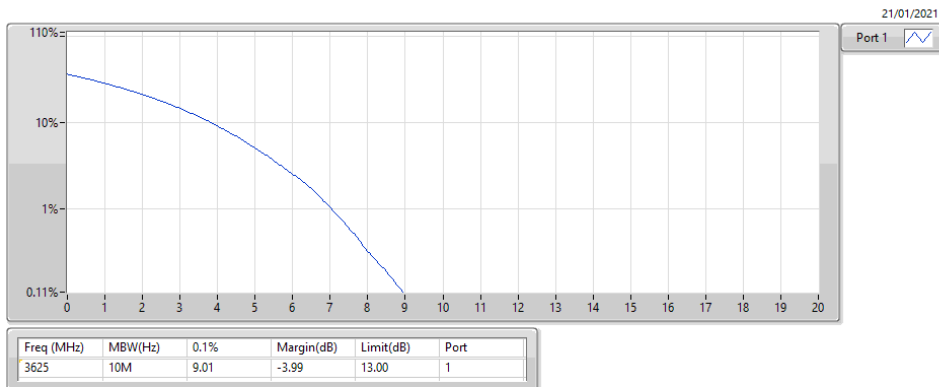
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PAR



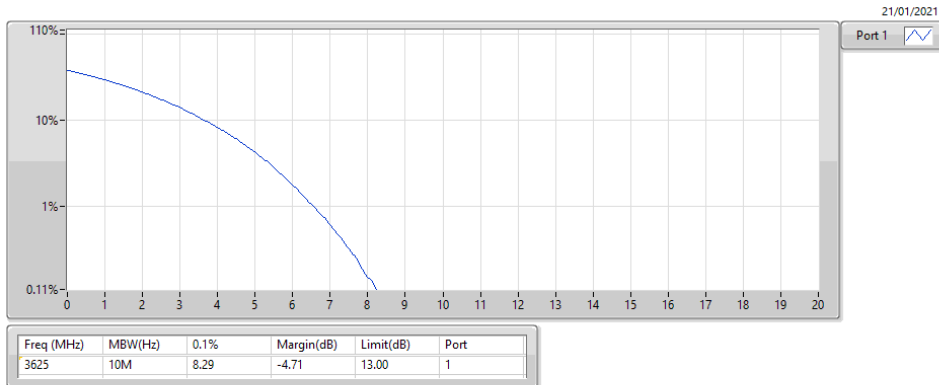
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PAR



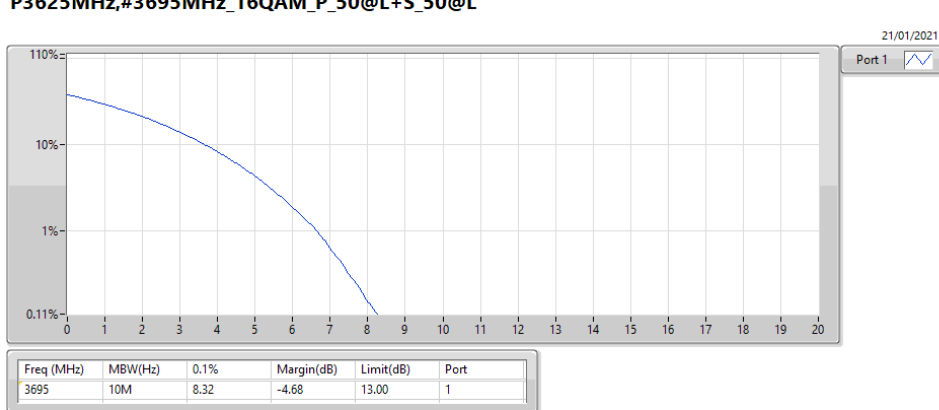
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PAR



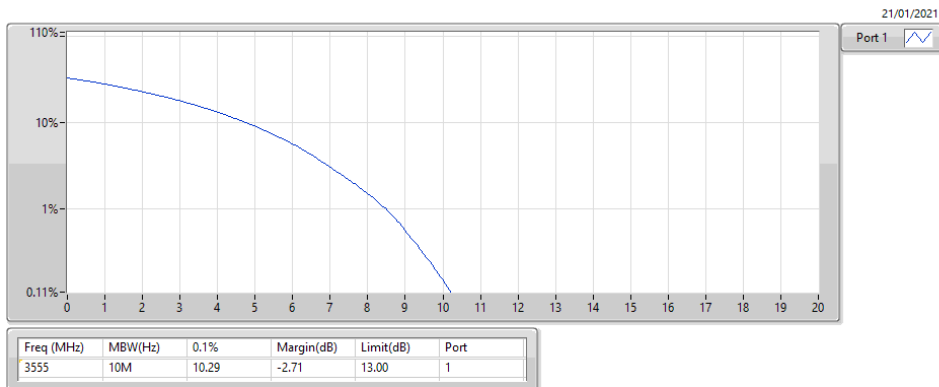
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PAR



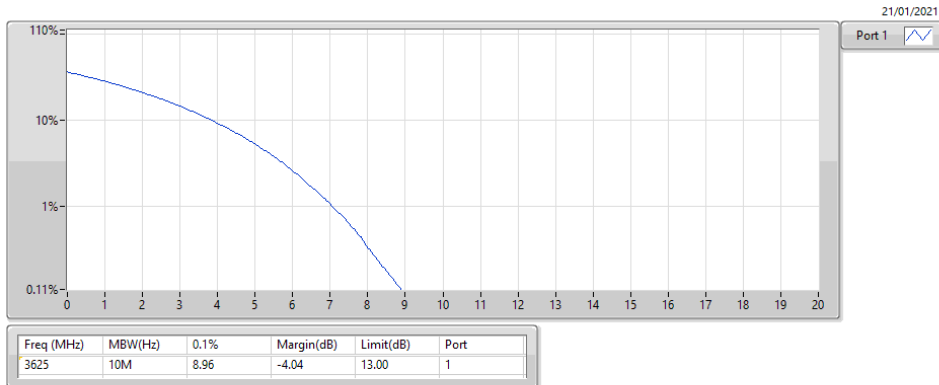
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PAR



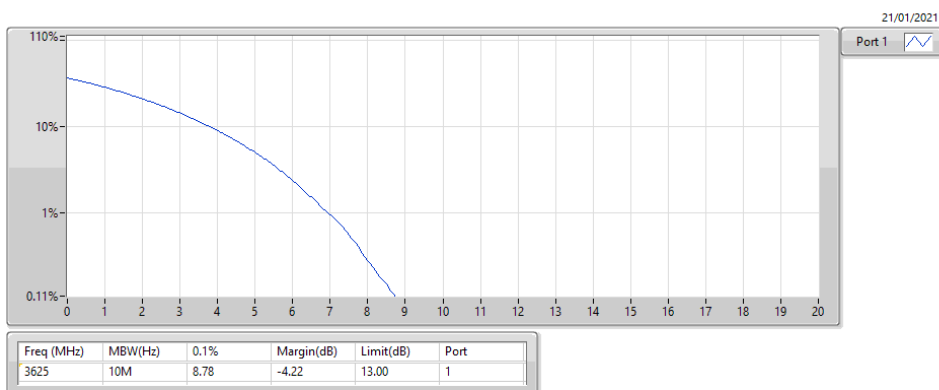
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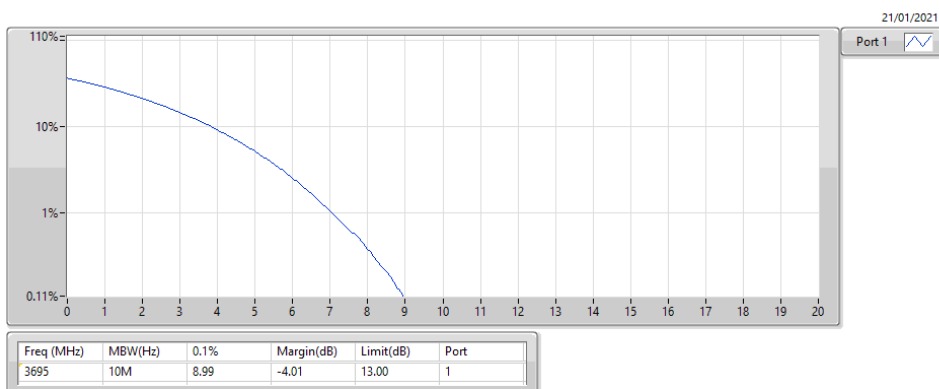
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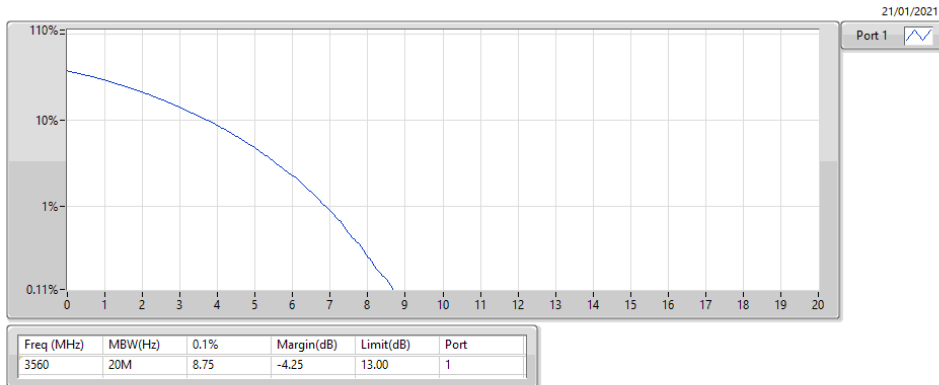
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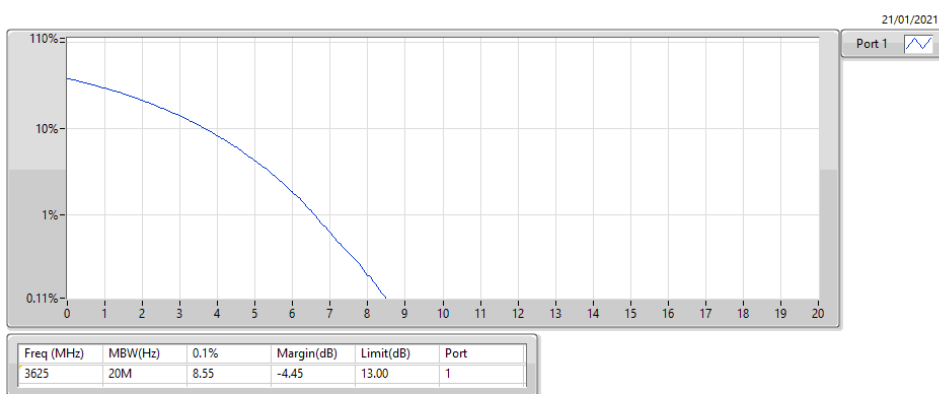
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PAR



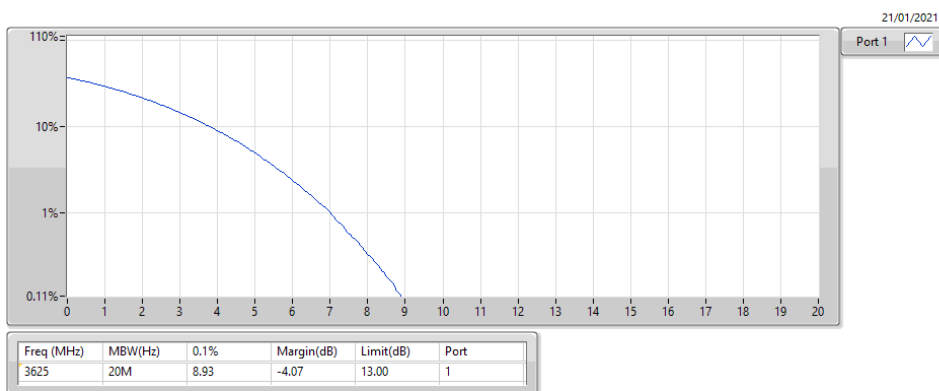
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PAR



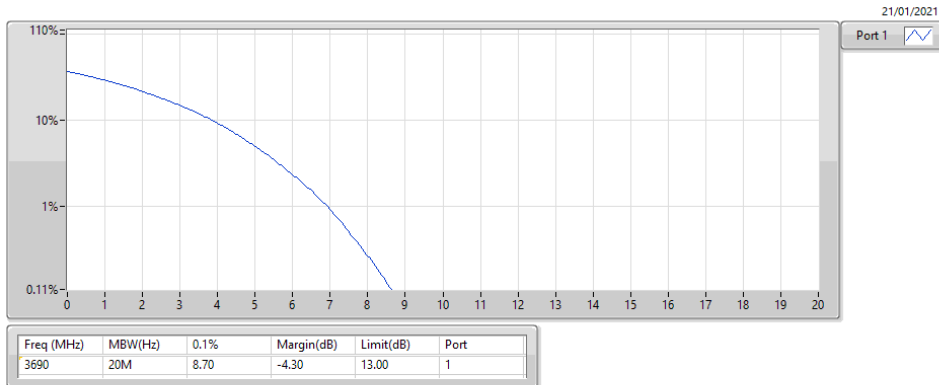
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PAR



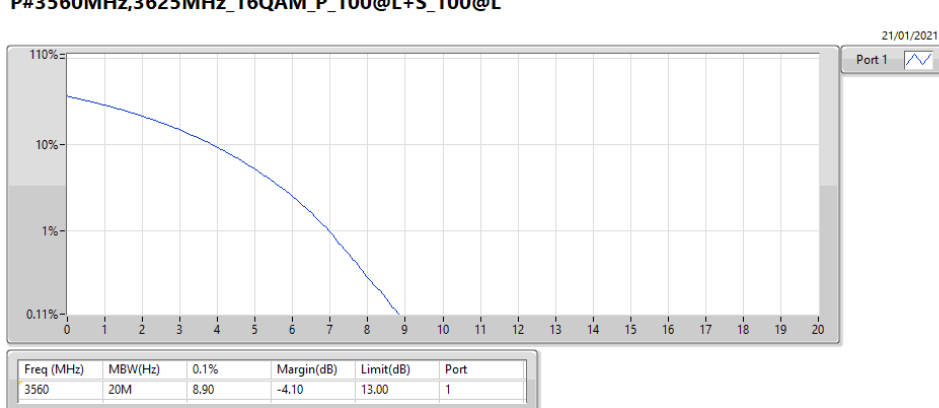
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PAR



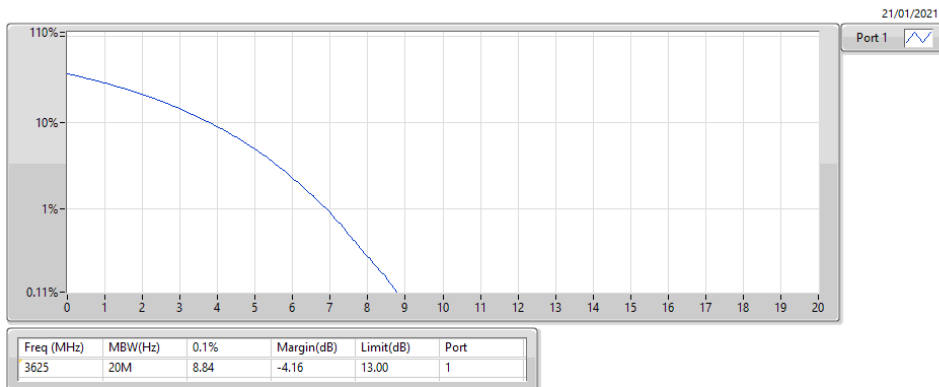
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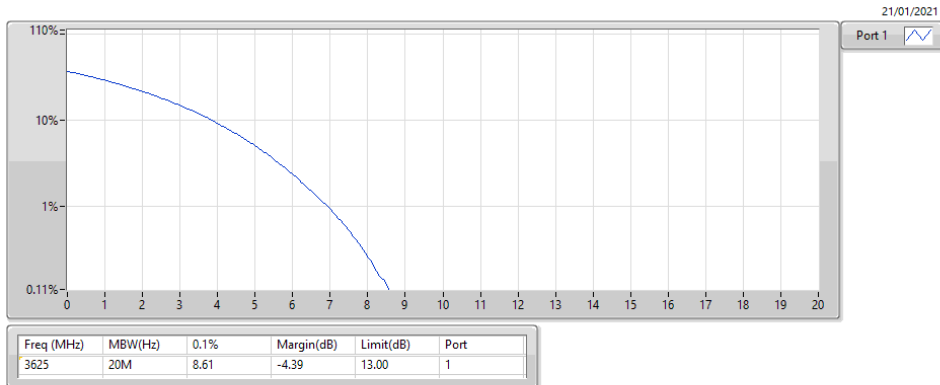
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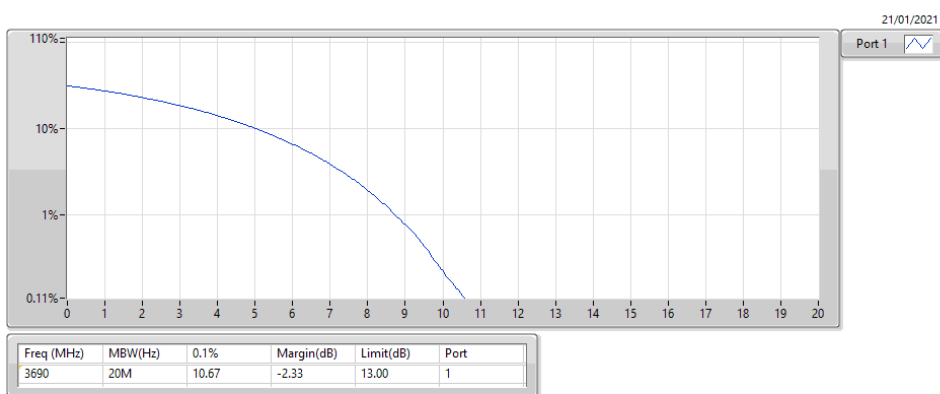
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PAR



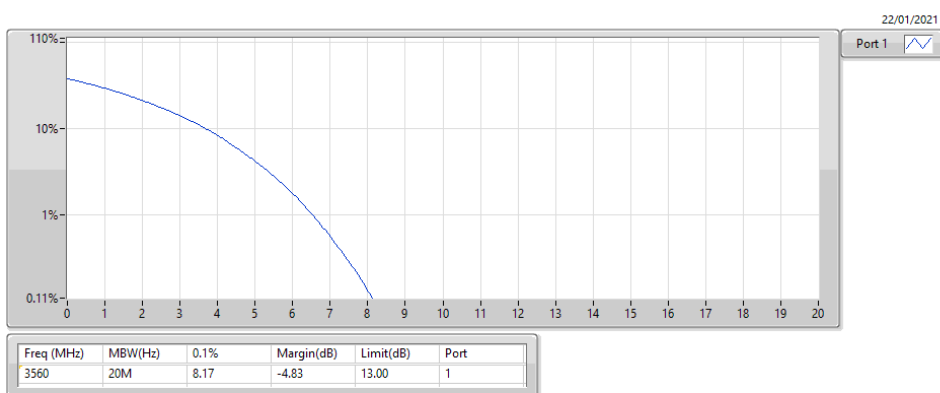
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PAR



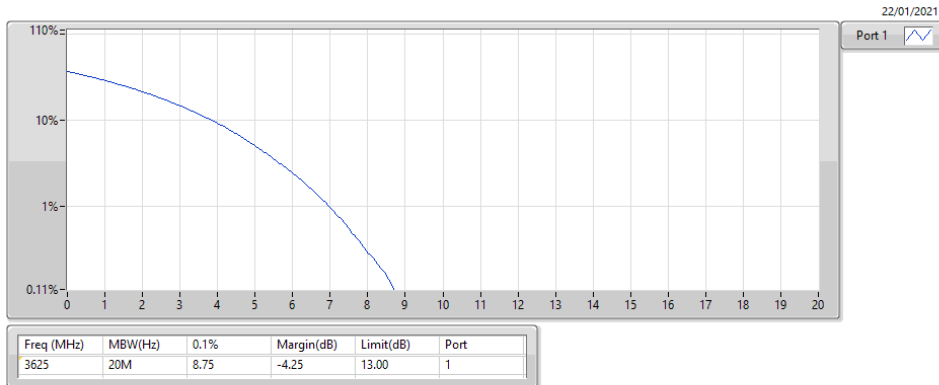
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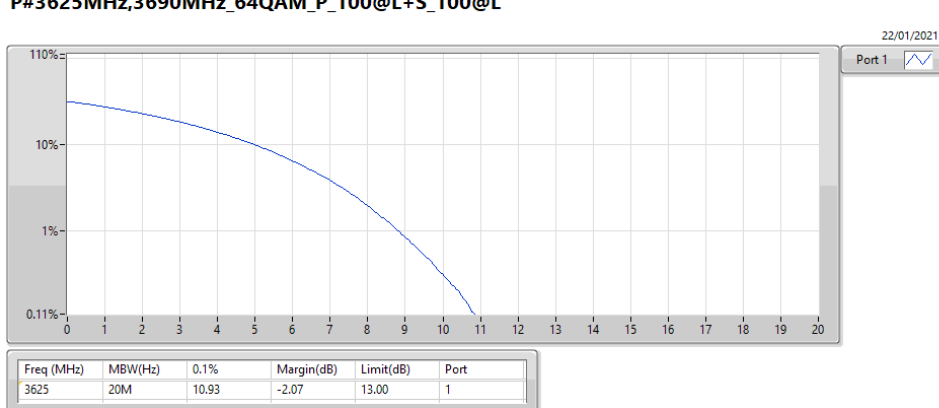
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PAR



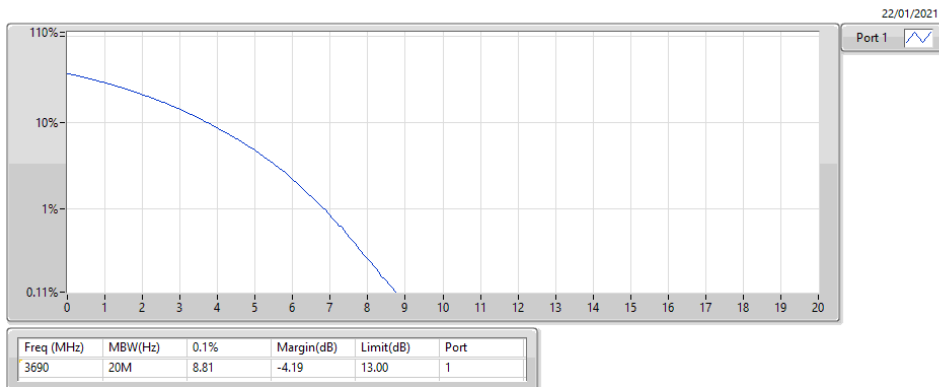
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P#3625MHz,3690MHz_64QAM_P_100@L+S_100@L

PAR



Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
P3625MHz,#3690MHz_64QAM_P_100@L+S_100@L

PAR



Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 48	-	-	-	-	-
LTE_10MHz_Nss1,QPSK_2TX	9.45M	8.946M	8M95G7D	9.4M	8.921M
LTE_10MHz_Nss1,16QAM_2TX	9.513M	8.958M	8M96W7D	9.413M	8.921M
LTE_10MHz_Nss1,64QAM_2TX	9.425M	8.933M	8M93W7D	9.375M	8.921M
LTE_20MHz_Nss1,QPSK_2TX	19M	17.866M	17M9G7D	18.725M	17.841M
LTE_20MHz_Nss1,16QAM_2TX	18.975M	17.866M	17M9W7D	18.7M	17.816M
LTE_20MHz_Nss1,64QAM_2TX	19.025M	17.866M	17M9W7D	18.725M	17.816M

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;

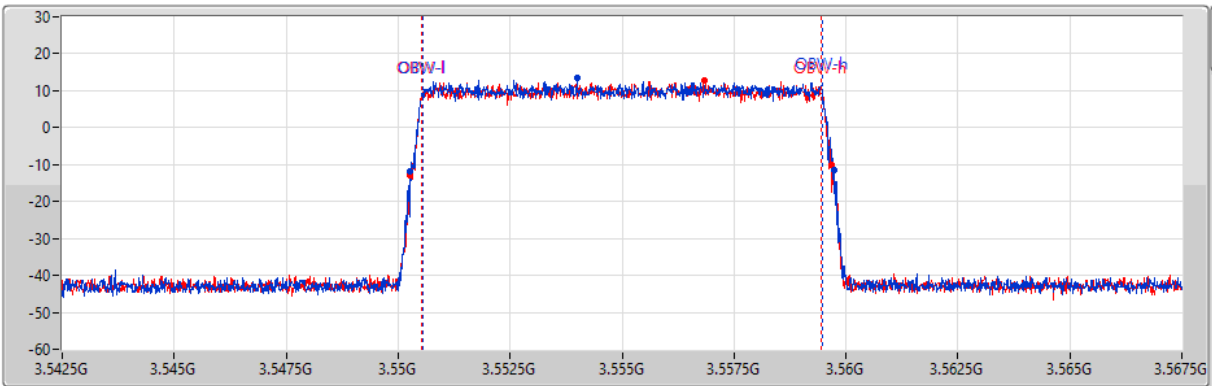
Result

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)	Port 2-NdB (Hz)	Port 2-OBW (Hz)	Limit (Hz)
Band 48_LTE_10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9.45M	8.933M	Inf	9.4M	8.933M	Inf
3625MHz_RB 50,#RB 0	Pass	9.438M	8.946M	Inf	9.425M	8.921M	Inf
3695MHz_RB 50,#RB 0	Pass	9.413M	8.933M	Inf	9.438M	8.933M	Inf
Band 48_LTE_10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9.425M	8.933M	Inf	9.438M	8.933M	Inf
3625MHz_RB 50,#RB 0	Pass	9.513M	8.921M	Inf	9.425M	8.958M	Inf
3695MHz_RB 50,#RB 0	Pass	9.438M	8.933M	Inf	9.413M	8.946M	Inf
Band 48_LTE_10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9.425M	8.921M	Inf	9.375M	8.933M	Inf
3625MHz_RB 50,#RB 0	Pass	9.388M	8.933M	Inf	9.425M	8.933M	Inf
3695MHz_RB 50,#RB 0	Pass	9.375M	8.933M	Inf	9.375M	8.921M	Inf
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	19M	17.841M	Inf	18.85M	17.841M	Inf
3625MHz_RB 100,#RB 0	Pass	18.975M	17.866M	Inf	18.875M	17.866M	Inf
3690MHz_RB 100,#RB 0	Pass	18.9M	17.866M	Inf	18.725M	17.841M	Inf
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	18.7M	17.816M	Inf	18.975M	17.816M	Inf
3625MHz_RB 100,#RB 0	Pass	18.825M	17.866M	Inf	18.925M	17.816M	Inf
3690MHz_RB 100,#RB 0	Pass	18.875M	17.866M	Inf	18.925M	17.841M	Inf
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
3560MHz_RB 100,#RB 0	Pass	18.8M	17.866M	Inf	18.775M	17.841M	Inf
3625MHz_RB 100,#RB 0	Pass	18.85M	17.841M	Inf	18.725M	17.841M	Inf
3690MHz_RB 100,#RB 0	Pass	18.775M	17.841M	Inf	19.025M	17.816M	Inf

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

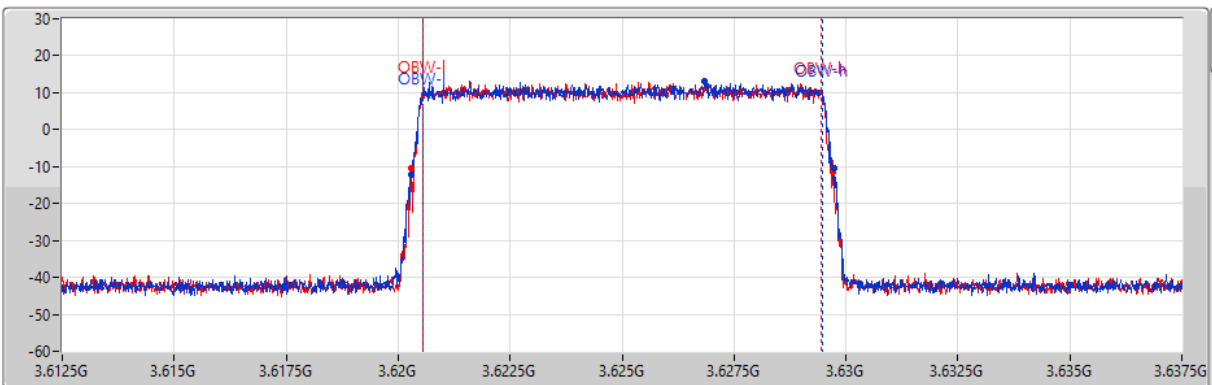
24/12/2020



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)
9.45M	3.550275G	3.559725G	8.933M	3.55054G	3.559473G	1	3.555G	25M	100k	300k
9.4M	3.550275G	3.559675G	8.933M	3.550527G	3.55946G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,QPSK_2TX
EBW
3625MHz_QPSK_RB 50,#RB 0

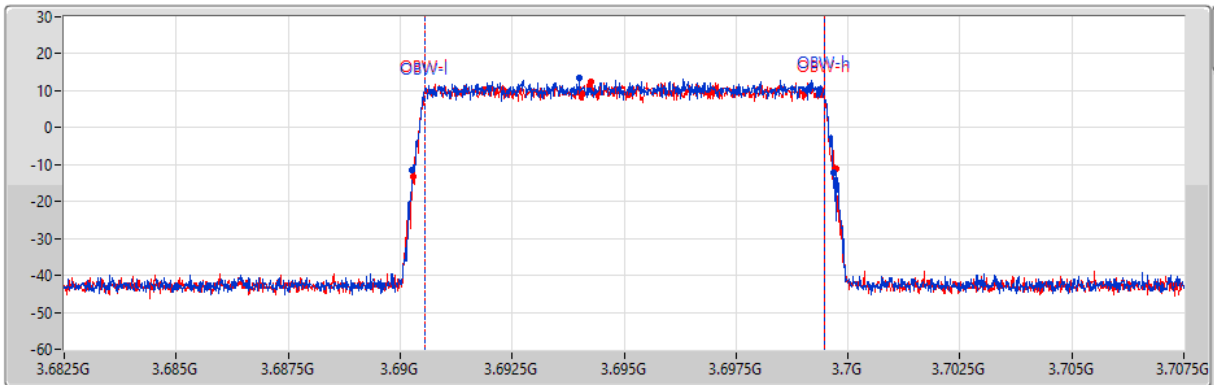
24/12/2020



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)
9.438M	3.620288G	3.629725G	8.946M	3.62054G	3.629485G	1	3.625G	25M	100k	300k
9.425M	3.620288G	3.629713G	8.921M	3.62054G	3.62946G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,QPSK_2TX
EBW
3695MHz_QPSK_RB 50,#RB 0

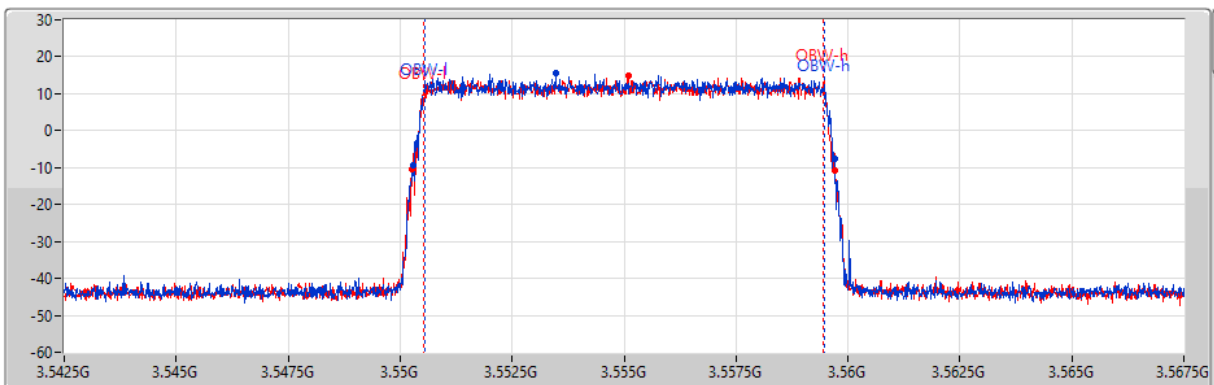
24/12/2020



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)
9.413M	3.690275G	3.699688G	8.933M	3.69054G	3.699473G	1	3.695G	25M	100k	300k
9.438M	3.690288G	3.699725G	8.933M	3.69054G	3.699473G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX
EBW
3555MHz_16QAM_RB 50,#RB 0

02/01/2021



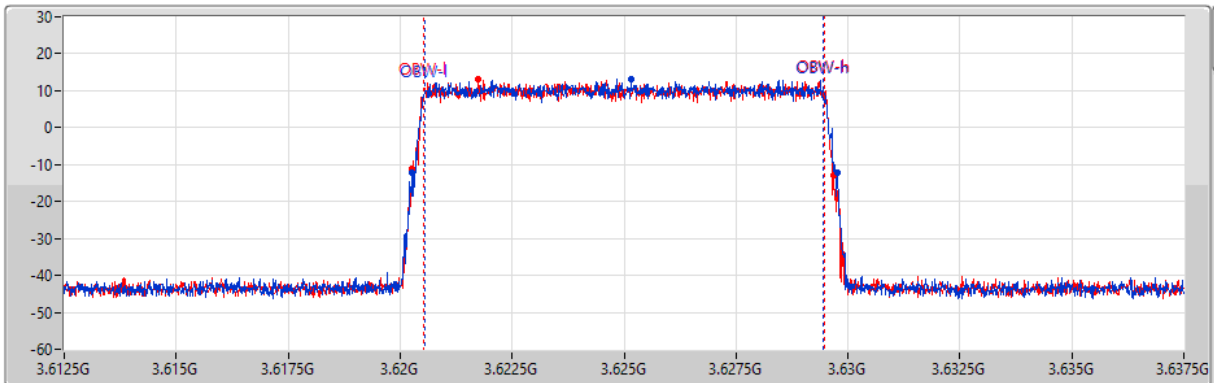
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.425M	3.550288G	3.559713G	8.933M	3.55054G	3.559473G	1	3.555G	25M	100k	300k
9.438M	3.550275G	3.559713G	8.933M	3.550527G	3.55946G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX

EBW

3625MHz_16QAM_RB 50,#RB 0

02/01/2021



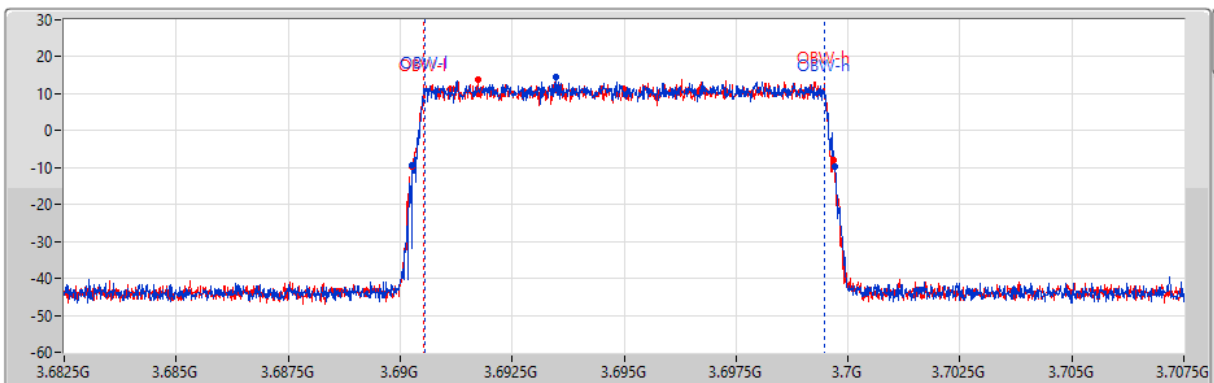
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.513M	3.620263G	3.629775G	8.921M	3.62054G	3.62946G	1	3.625G	25M	100k	300k
9.425M	3.62025G	3.629675G	8.958M	3.620527G	3.629485G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,16QAM_2TX

EBW

3695MHz_16QAM_RB 50,#RB 0

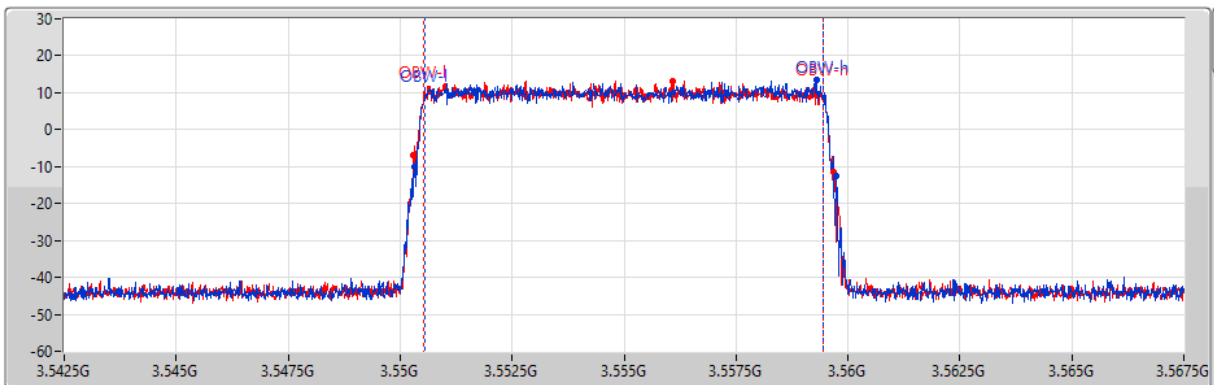
02/01/2021



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)
9.438M	3.690275G	3.699713G	8.933M	3.69054G	3.699473G	1	3.695G	25M	100k	300k
9.413M	3.690275G	3.699688G	8.946M	3.690527G	3.699473G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX
EBW
3555MHz_64QAM_RB 50,#RB 0

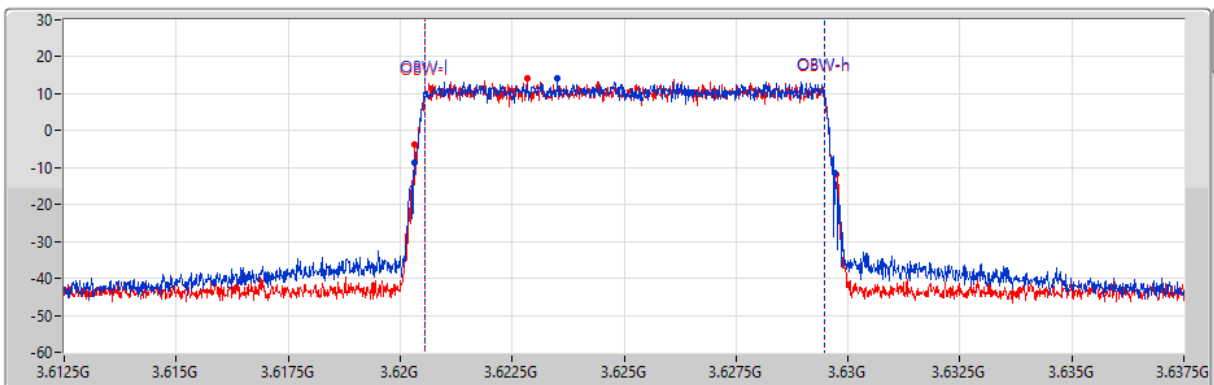
02/01/2021



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)
9.425M	3.550313G	3.559738G	8.921M	3.55054G	3.55946G	1	3.555G	25M	100k	300k
9.375M	3.5503G	3.559675G	8.933M	3.550527G	3.55946G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX
EBW
3625MHz_64QAM_RB 50,#RB 0

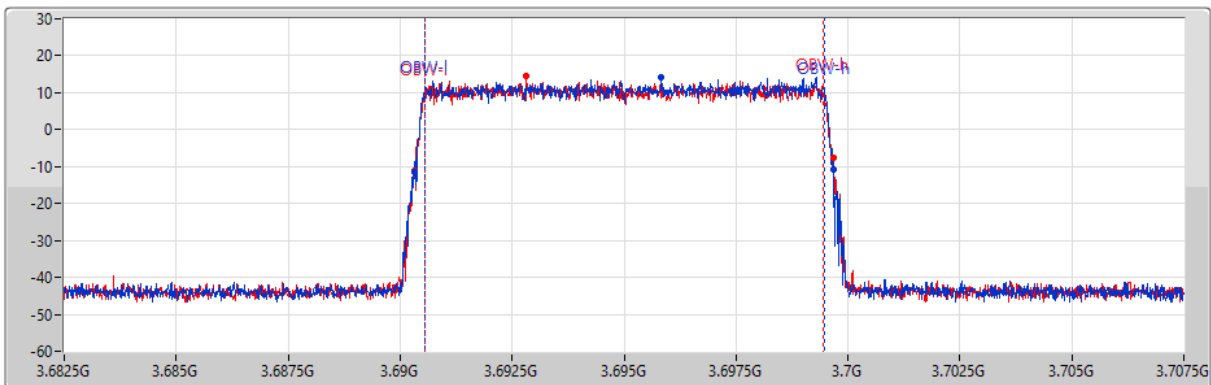
02/01/2021



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)
9.388M	3.620313G	3.6297G	8.933M	3.62054G	3.629473G	1	3.625G	25M	100k	300k
9.425M	3.620325G	3.62975G	8.933M	3.62054G	3.629473G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz_Nss1,64QAM_2TX
EBW
3695MHz_64QAM_RB 50,#RB 0

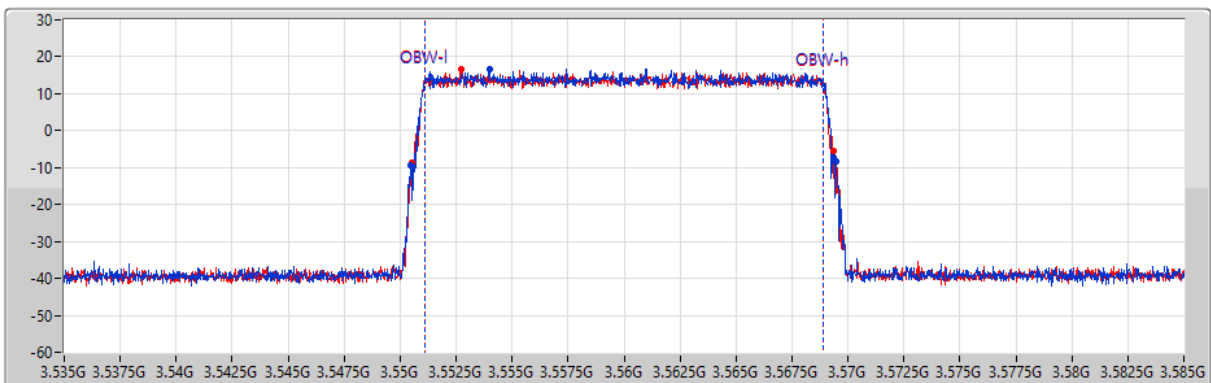
02/01/2021



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)
9.375M	3.690313G	3.699688G	8.933M	3.69054G	3.699473G	1	3.695G	25M	100k	300k
9.375M	3.690313G	3.699688G	8.921M	3.69054G	3.69946G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz_Nss1,QPSK_2TX
EBW
3560MHz_QPSK_RB 100,#RB 0

24/12/2020



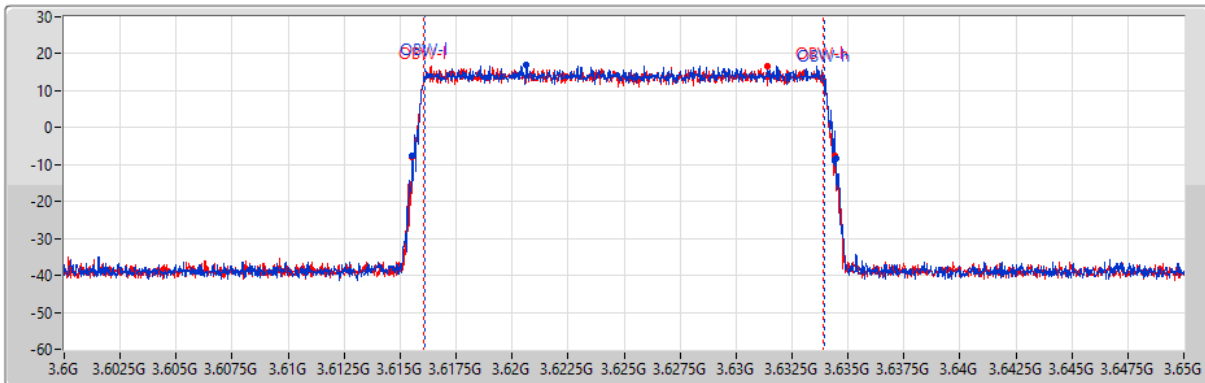
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
19M	3.550475G	3.569475G	17.841M	3.551079G	3.568921G	1	3.56G	50M	200k	1M
18.85M	3.5505G	3.56935G	17.841M	3.551079G	3.568921G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,QPSK_2TX

EBW

3625MHz_QPSK_RB 100,#RB 0

24/12/2020



Port 1
Port 2

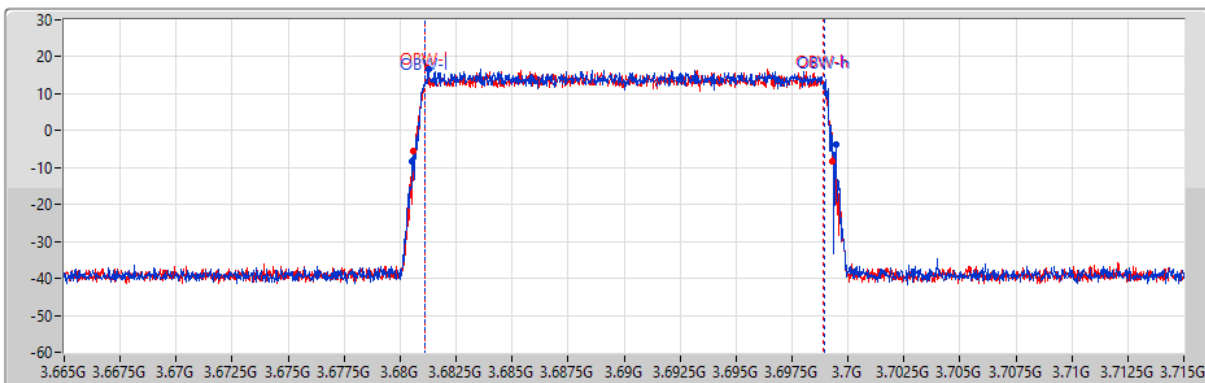
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.975M	3.615525G	3.6345G	17.866M	3.616079G	3.633946G	1	3.625G	50M	200k	1M
18.875M	3.61555G	3.634425G	17.866M	3.616054G	3.633921G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,QPSK_2TX

EBW

3690MHz_QPSK_RB 100,#RB 0

24/12/2020

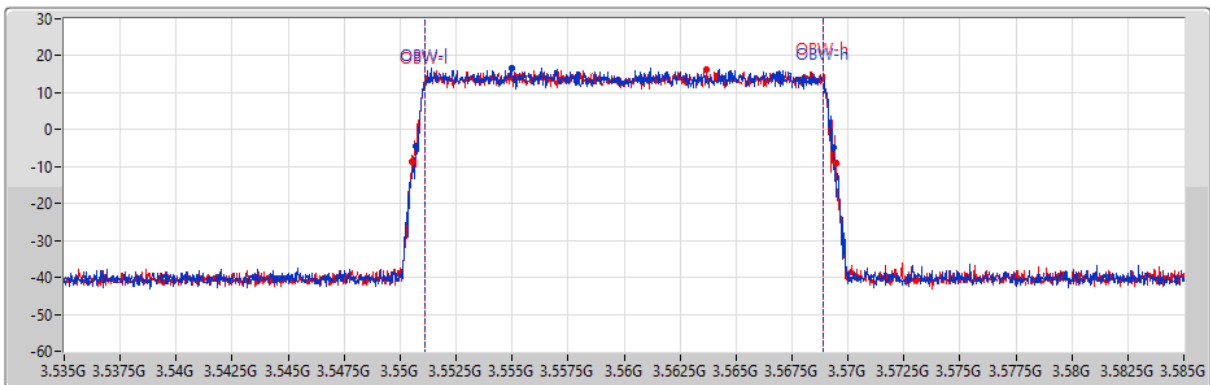


Port 1
Port 2

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	3.68055G	3.69945G	17.866M	3.681079G	3.698946G	1	3.69G	50M	200k	1M
18.725M	3.6806G	3.699325G	17.841M	3.681079G	3.698921G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX
EBW
3560MHz_16QAM_RB 100,#RB 0

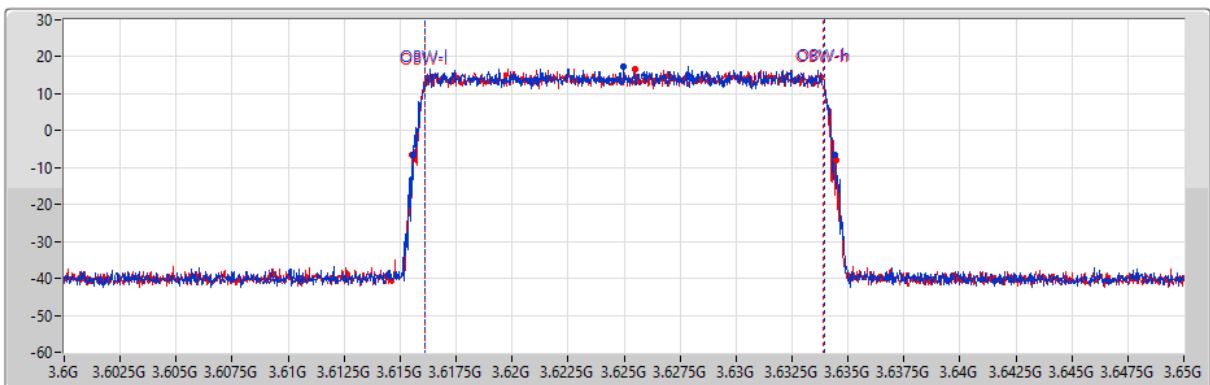
02/01/2021



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)
18.7M	3.550675G	3.569375G	17.816M	3.551104G	3.568921G	1	3.56G	50M	200k	1M
18.975M	3.5505G	3.569475G	17.816M	3.551104G	3.568921G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX
EBW
3625MHz_16QAM_RB 100,#RB 0

02/01/2021



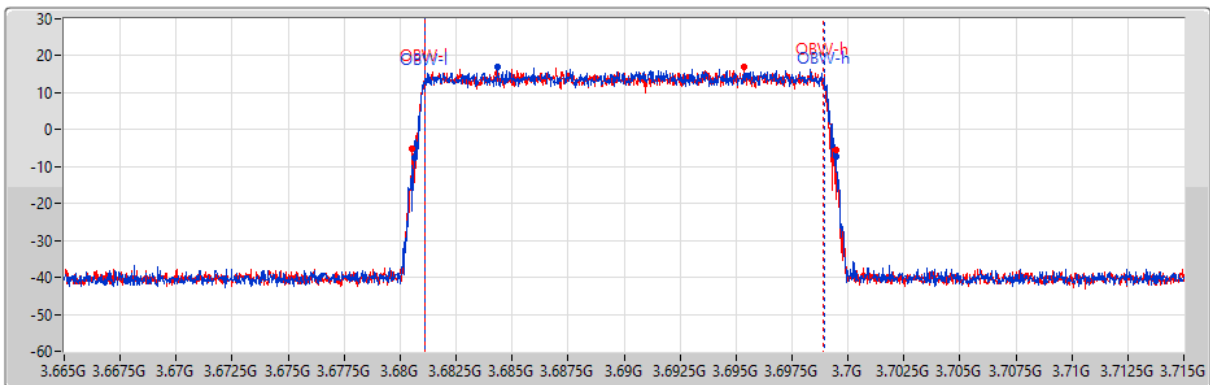
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.825M	3.6156G	3.634425G	17.866M	3.616079G	3.633946G	1	3.625G	50M	200k	1M
18.925M	3.615525G	3.63445G	17.816M	3.616104G	3.633921G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,16QAM_2TX

EBW

3690MHz_16QAM_RB 100,#RB 0

02/01/2021



Port 1 
Port 2 

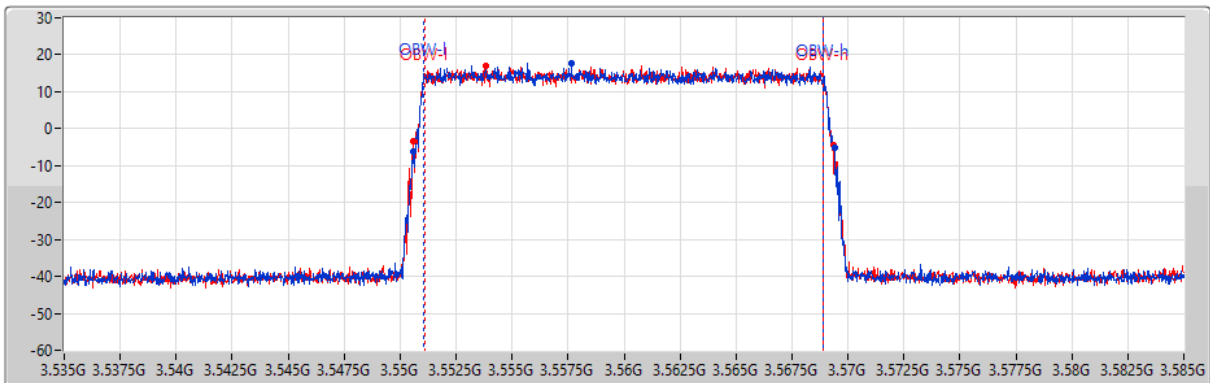
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
18.875M	3.680625G	3.6995G	17.866M	3.681079G	3.698946G	1	3.69G	50M	200k	1M
18.925M	3.68055G	3.699475G	17.841M	3.681079G	3.698921G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX

EBW

3560MHz_64QAM_RB 100,#RB 0

02/01/2021

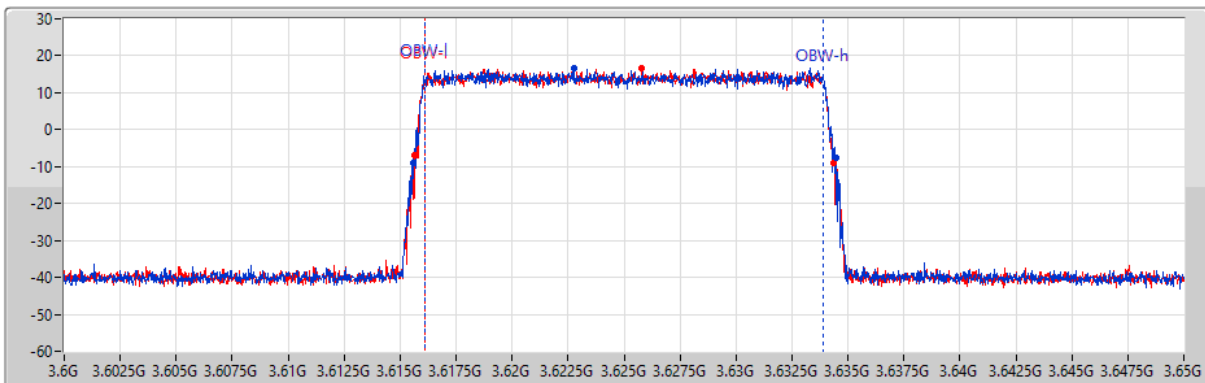


Port 1 
Port 2 

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	3.5506G	3.5694G	17.866M	3.551054G	3.568921G	1	3.56G	50M	200k	1M
18.775M	3.550575G	3.56935G	17.841M	3.551079G	3.568921G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX
EBW
3625MHz_64QAM_RB 100,#RB 0

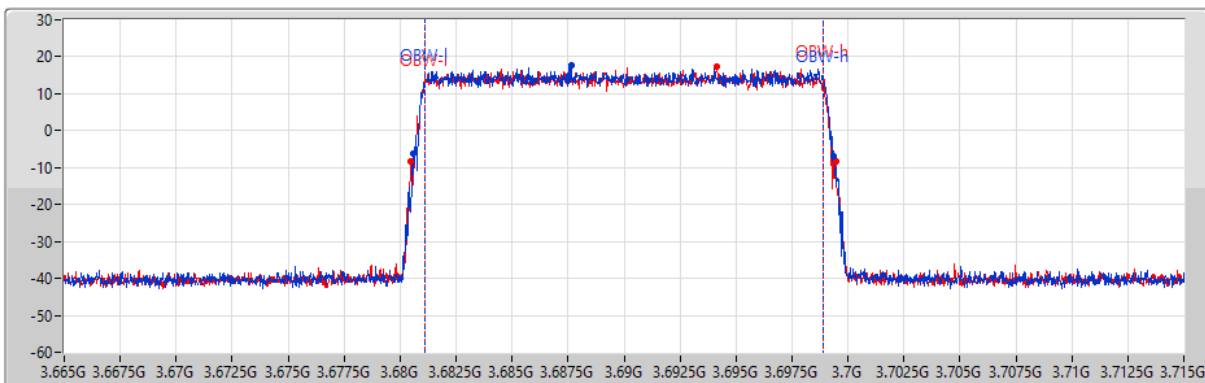
02/01/2021


Port 1
Port 2

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	3.6156G	3.63445G	17.841M	3.616079G	3.633921G	1	3.625G	50M	200k	1M
18.725M	3.61565G	3.634375G	17.841M	3.616079G	3.633921G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz_Nss1,64QAM_2TX
EBW
3690MHz_64QAM_RB 100,#RB 0

02/01/2021


Port 1
Port 2

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)
18.775M	3.6806G	3.699375G	17.841M	3.681079G	3.698921G	1	3.69G	50M	200k	1M
19.025M	3.68045G	3.699475G	17.816M	3.681079G	3.698896G	2	3.69G	50M	200k	1M

Summary

Mode	Max-NdB (Hz)	Max-OBW (Hz)	ITU-Code	Min-NdB (Hz)	Min-OBW (Hz)
Band 48	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	9.75M	9.233M	9M23G7D	9.725M	9.208M
LTE_10MHz+10MHz_Nss1,16QAM_2TX	9.763M	9.233M	9M23W7D	9.738M	9.208M
LTE_10MHz+10MHz_Nss1,64QAM_2TX	9.763M	9.22M	9M22W7D	9.738M	9.208M
LTE_20MHz+20MHz_Nss1,QPSK_2TX	18.975M	17.866M	17M9G7D	18.9M	17.866M
LTE_20MHz+20MHz_Nss1,16QAM_2TX	19.025M	17.891M	17M9W7D	18.875M	17.866M
LTE_20MHz+20MHz_Nss1,64QAM_2TX	19.05M	17.866M	17M9W7D	18.825M	17.816M

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;

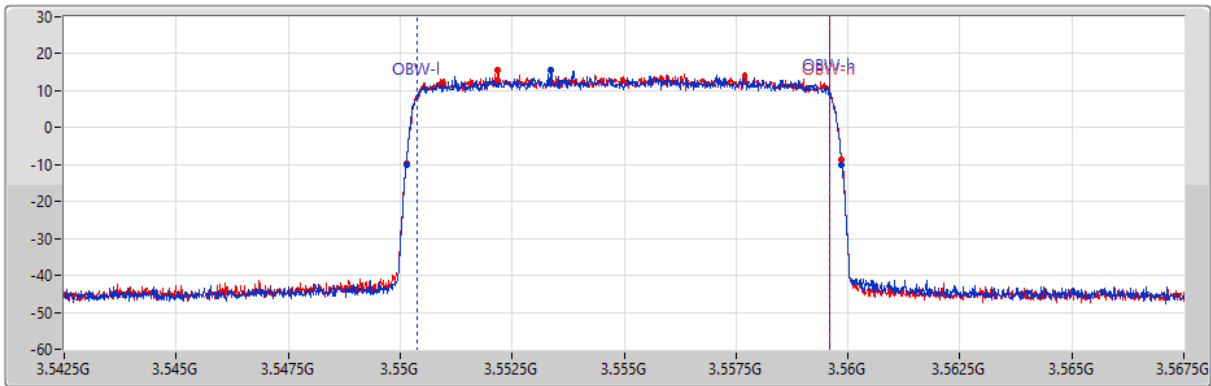
Result

Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Limit (Hz)	Port 2-NdB (Hz)	Port 2-OBW (Hz)	Limit (Hz)
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.725M	9.22M	Inf	9.725M	9.208M	Inf
P3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.725M	9.22M	Inf	9.738M	9.22M	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.725M	9.22M	Inf	9.738M	9.22M	Inf
P3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.738M	9.233M	Inf	9.75M	9.22M	Inf
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.75M	9.22M	Inf	9.738M	9.22M	Inf
P3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.75M	9.22M	Inf	9.75M	9.233M	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.75M	9.22M	Inf	9.75M	9.22M	Inf
P3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.763M	9.208M	Inf	9.763M	9.22M	Inf
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
P#3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.763M	9.208M	Inf	9.763M	9.208M	Inf
P3555MHz,3625MHz_P_50@L+S_50@L	Pass	9.75M	9.208M	Inf	9.738M	9.208M	Inf
P#3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.738M	9.22M	Inf	9.738M	9.208M	Inf
P3625MHz,3695MHz_P_50@L+S_50@L	Pass	9.75M	9.22M	Inf	9.738M	9.208M	Inf
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	18.925M	17.866M	Inf	18.975M	17.866M	Inf
P3560MHz,3625MHz_P_100@L+S_100@L	Pass	18.975M	17.866M	Inf	18.975M	17.866M	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	18.9M	17.866M	Inf	18.95M	17.866M	Inf
P3625MHz,3690MHz_P_100@L+S_100@L	Pass	18.9M	17.866M	Inf	18.975M	17.866M	Inf
Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	19.025M	17.891M	Inf	18.95M	17.891M	Inf
P3560MHz,3625MHz_P_100@L+S_100@L	Pass	18.975M	17.891M	Inf	18.95M	17.891M	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	19M	17.891M	Inf	18.975M	17.891M	Inf
P3625MHz,3690MHz_P_100@L+S_100@L	Pass	18.875M	17.891M	Inf	18.975M	17.866M	Inf
Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-
P#3560MHz,3625MHz_P_100@L+S_100@L	Pass	18.95M	17.841M	Inf	18.875M	17.816M	Inf
P3560MHz,3625MHz_P_100@L+S_100@L	Pass	18.95M	17.866M	Inf	18.85M	17.841M	Inf
P#3625MHz,3690MHz_P_100@L+S_100@L	Pass	19.025M	17.841M	Inf	18.825M	17.841M	Inf
P3625MHz,3690MHz_P_100@L+S_100@L	Pass	19.05M	17.841M	Inf	18.925M	17.816M	Inf

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

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
EBW
P#3555MHz,3625MHz_QPSK_P_50@L+S_50@L

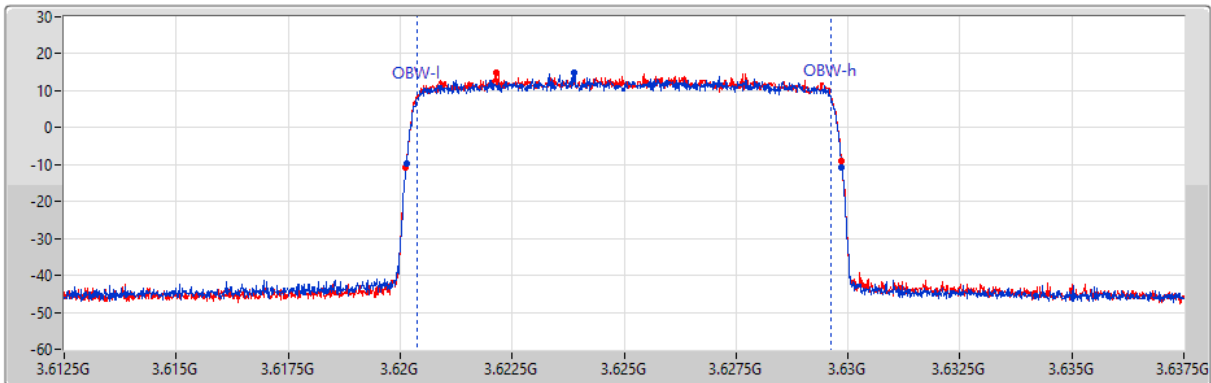
21/01/2021


Port 1
Port 2

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	3.550138G	3.559863G	9.22M	3.550377G	3.559598G	1	3.555G	25M	100k	300k
9.725M	3.550138G	3.559863G	9.208M	3.55039G	3.559598G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
EBW
P3555MHz,#3625MHz_QPSK_P_50@L+S_50@L

21/01/2021

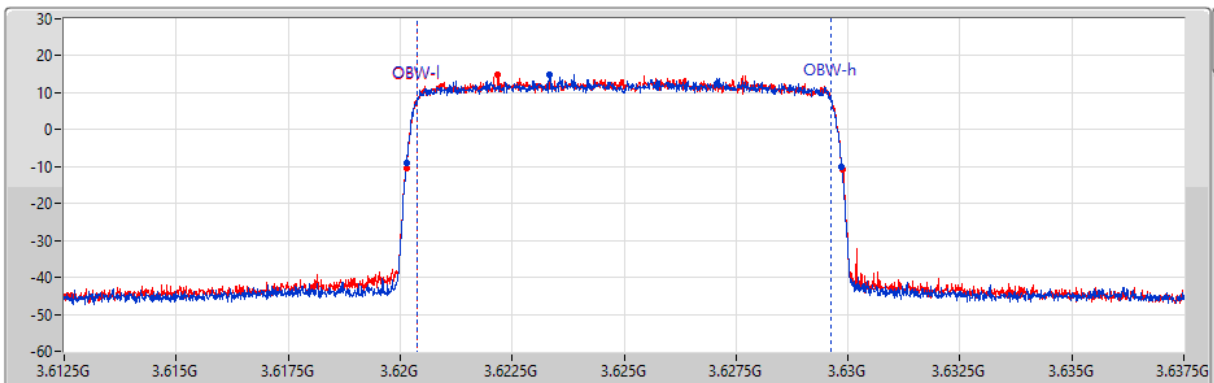

Port 1
Port 2

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	3.620138G	3.629863G	9.22M	3.62039G	3.62961G	1	3.625G	25M	100k	300k
9.738M	3.620125G	3.629863G	9.22M	3.62039G	3.62961G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
P#3625MHz,3695MHz_QPSK_P_50@L+S_50@L

EBW

21/01/2021

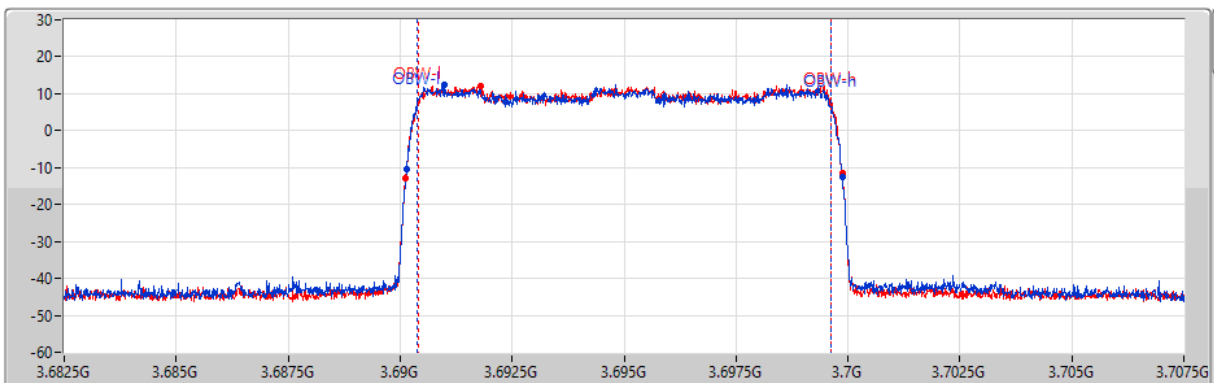


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Port	CF(Hz)	Span(Hz)	RBW(Hz)	VBW(Hz)
9.725M	3.620138G	3.629863G	9.22M	3.62039G	3.62961G	1	3.625G	25M	100k	300k
9.738M	3.620138G	3.629875G	9.22M	3.62039G	3.62961G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
P3625MHz,#3695MHz_QPSK_P_50@L+S_50@L

EBW

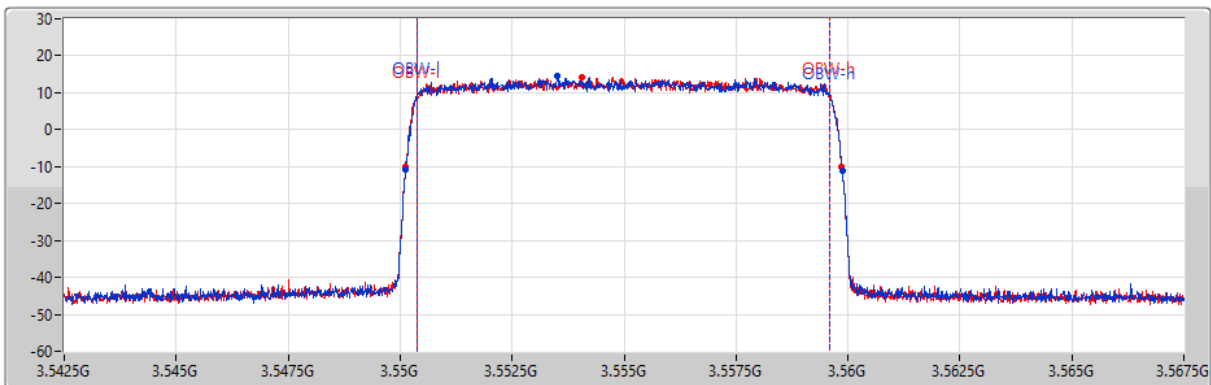
21/01/2021



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	3.690138G	3.699875G	9.233M	3.690377G	3.69961G	1	3.695G	25M	100k	300k
9.75M	3.690125G	3.699875G	9.22M	3.690402G	3.699623G	2	3.695G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
EBW
P#3555MHz,3625MHz_16QAM_P_50@L+S_50@L

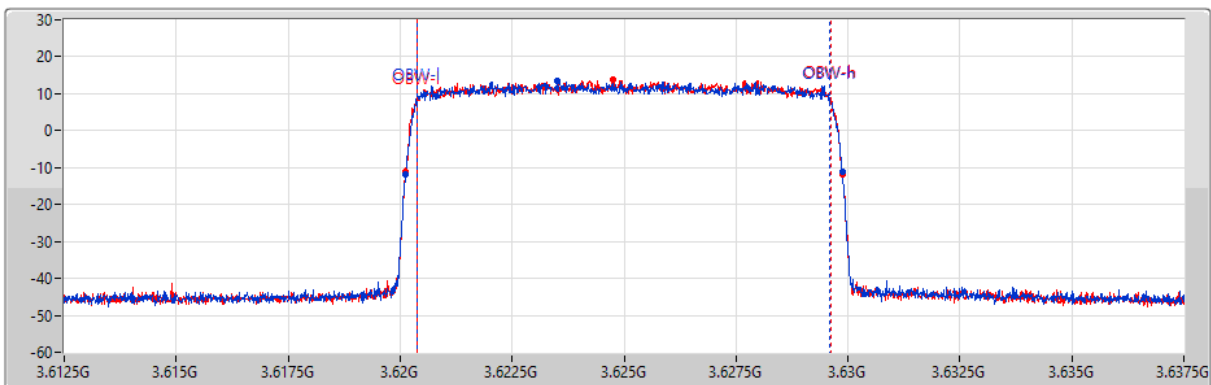
21/01/2021



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	3.550125G	3.559875G	9.22M	3.550377G	3.559598G	1	3.555G	25M	100k	300k
9.738M	3.550125G	3.559863G	9.22M	3.550377G	3.559598G	2	3.555G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
EBW
P3555MHz,#3625MHz_16QAM_P_50@L+S_50@L

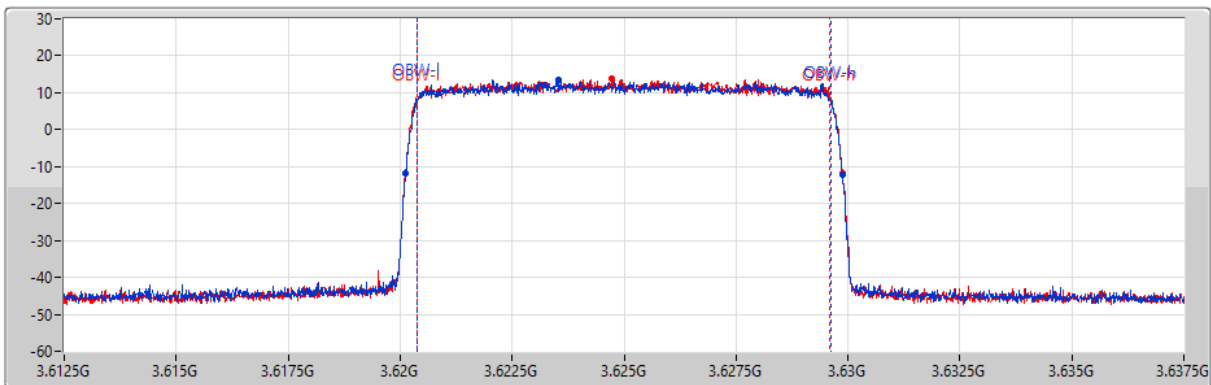
21/01/2021



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	3.620125G	3.629875G	9.22M	3.620377G	3.629598G	1	3.625G	25M	100k	300k
9.75M	3.620125G	3.629875G	9.233M	3.620377G	3.62961G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
EBW
P#3625MHz,3695MHz_16QAM_P_50@L+S_50@L

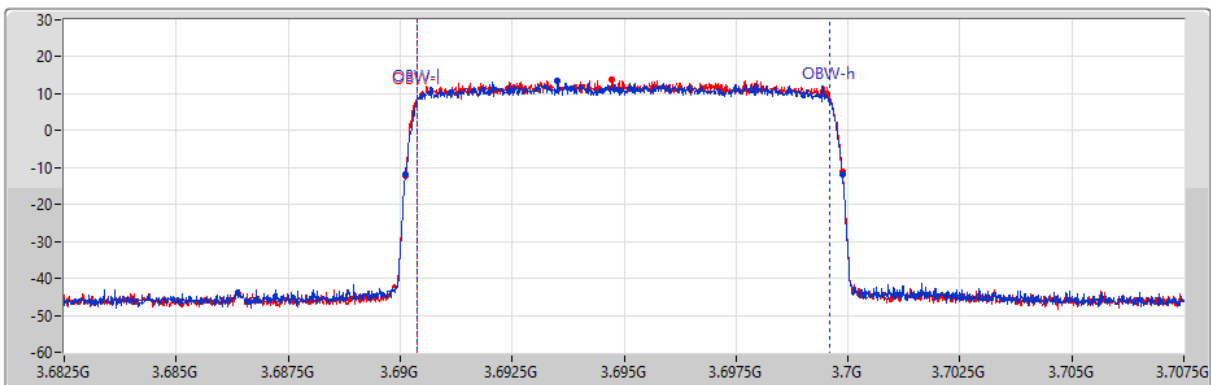
21/01/2021



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	3.620125G	3.629875G	9.22M	3.62039G	3.62961G	1	3.625G	25M	100k	300k	
9.75M	3.620125G	3.629875G	9.22M	3.620377G	3.629598G	2	3.625G	25M	100k	300k	

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
EBW
P3625MHz,#3695MHz_16QAM_P_50@L+S_50@L

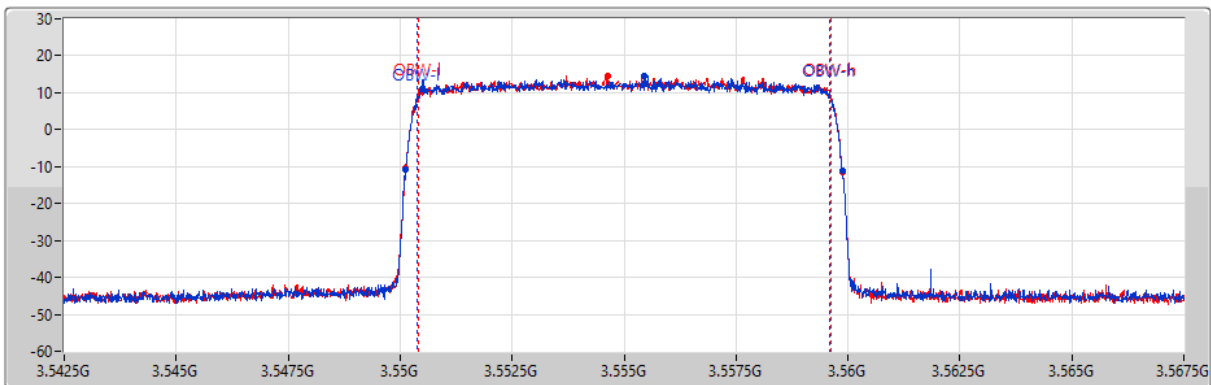
21/01/2021



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	3.690113G	3.699875G	9.208M	3.69039G	3.699598G	1	3.695G	25M	100k	300k	
9.763M	3.690113G	3.699875G	9.22M	3.690377G	3.699598G	2	3.695G	25M	100k	300k	

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
EBW
P#3555MHz,3625MHz_64QAM_P_50@L+S_50@L

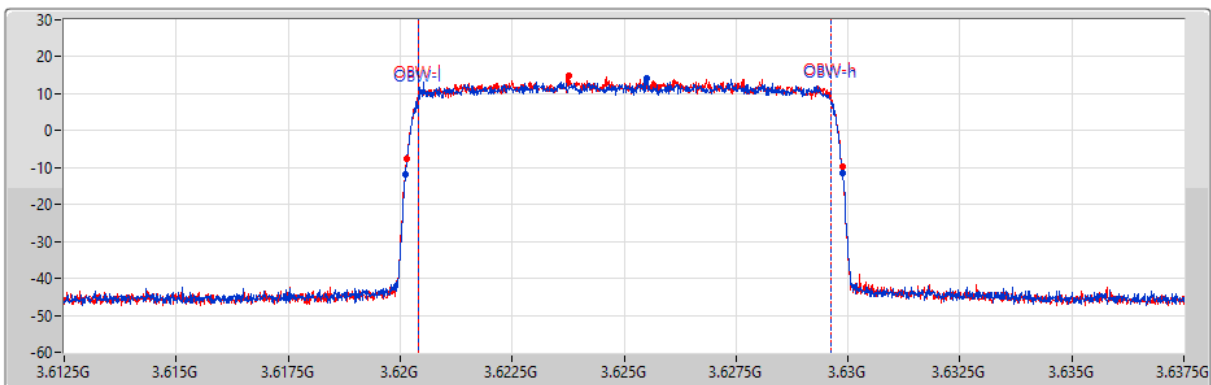
21/01/2021



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	3.550125G	3.559888G	9.208M	3.55039G	3.559598G	1	3.555G	25M	100k	300k	
9.763M	3.550125G	3.559888G	9.208M	3.550402G	3.55961G	2	3.555G	25M	100k	300k	

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
EBW
P3555MHz,#3625MHz_64QAM_P_50@L+S_50@L

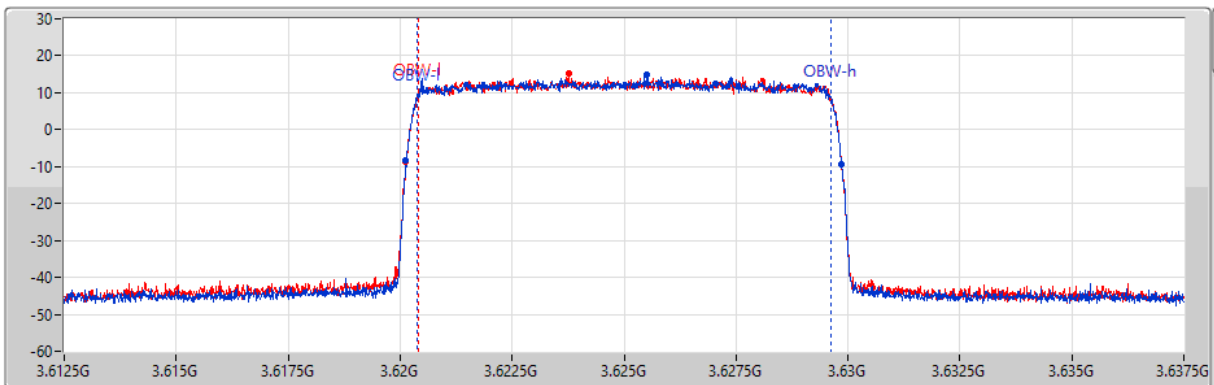
21/01/2021



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	3.620125G	3.629875G	9.208M	3.620402G	3.62961G	1	3.625G	25M	100k	300k	
9.738M	3.620138G	3.629875G	9.208M	3.620402G	3.62961G	2	3.625G	25M	100k	300k	

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
EBW
P#3625MHz,3695MHz_64QAM_P_50@L+S_50@L

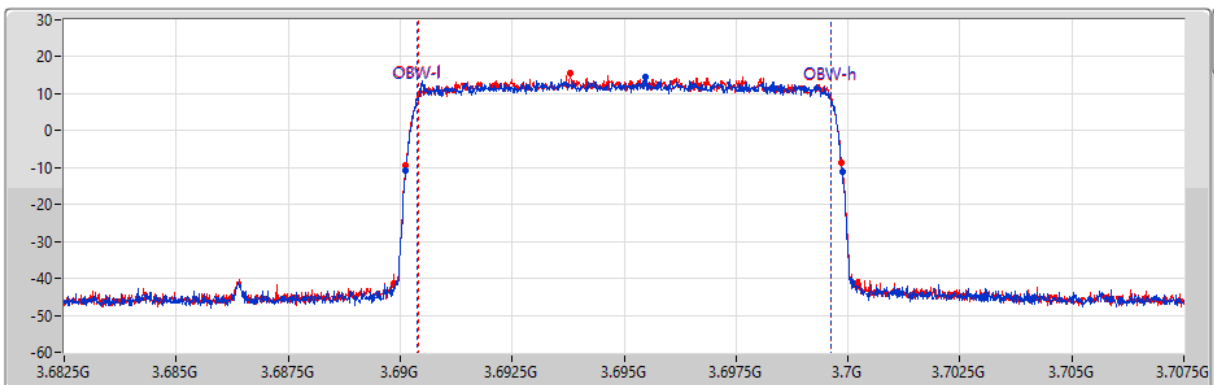
21/01/2021


Port 1
Port 2

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	3.620125G	3.629863G	9.22M	3.62039G	3.62961G	1	3.625G	25M	100k	300k
9.738M	3.620125G	3.629863G	9.208M	3.620402G	3.62961G	2	3.625G	25M	100k	300k

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
EBW
P3625MHz,#3695MHz_64QAM_P_50@L+S_50@L

21/01/2021


Port 1
Port 2

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	3.690125G	3.699875G	9.22M	3.69039G	3.69961G	1	3.695G	25M	100k	300k
9.738M	3.690125G	3.699863G	9.208M	3.690402G	3.69961G	2	3.695G	25M	100k	300k

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
EBW
P#3560MHz,3625MHz_QPSK_P_100@L+S_100@L

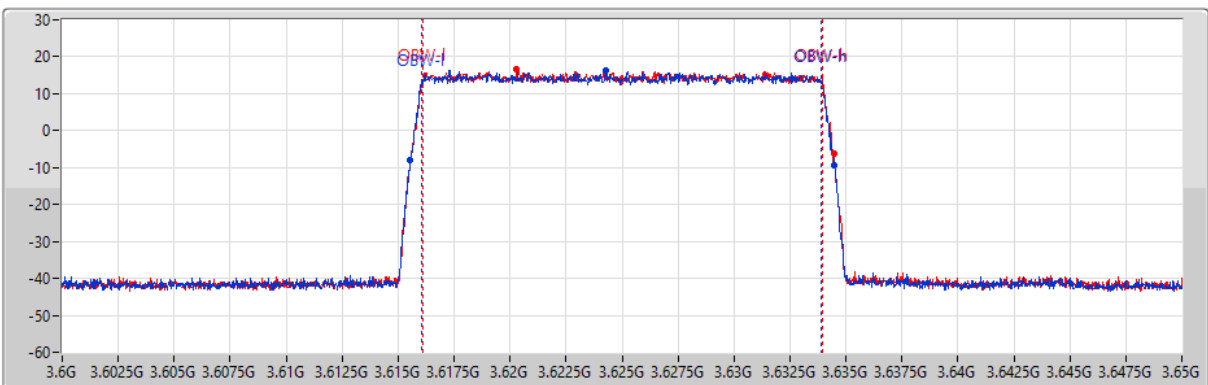
21/01/2021


Port 1
Port 2

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	3.55055G	3.569475G	17.866M	3.551054G	3.568921G	1	3.56G	50M	200k	1M
18.975M	3.5505G	3.569475G	17.866M	3.551079G	3.568946G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
EBW
P3560MHz,#3625MHz_QPSK_P_100@L+S_100@L

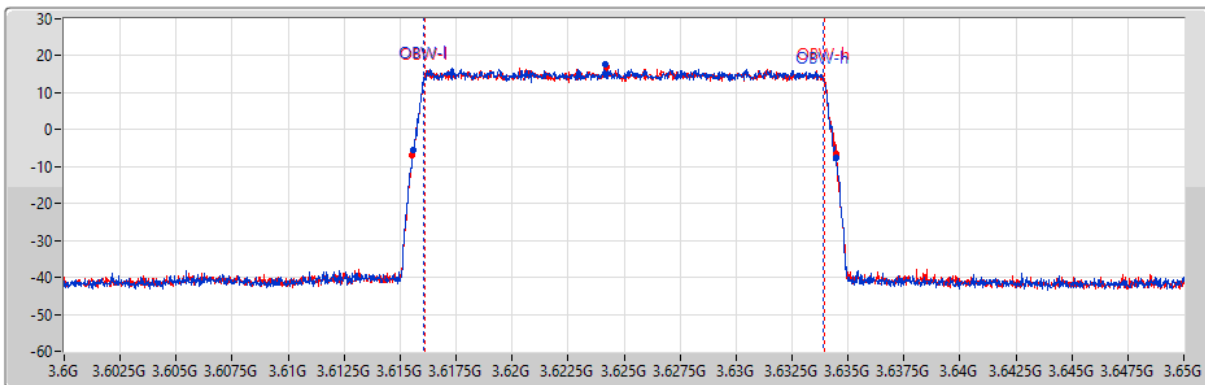
21/01/2021


Port 1
Port 2

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	3.615525G	3.6345G	17.866M	3.616054G	3.633921G	1	3.625G	50M	200k	1M
18.975M	3.615525G	3.6345G	17.866M	3.616079G	3.633946G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
EBW
P#3625MHz,3690MHz_QPSK_P_100@L+S_100@L

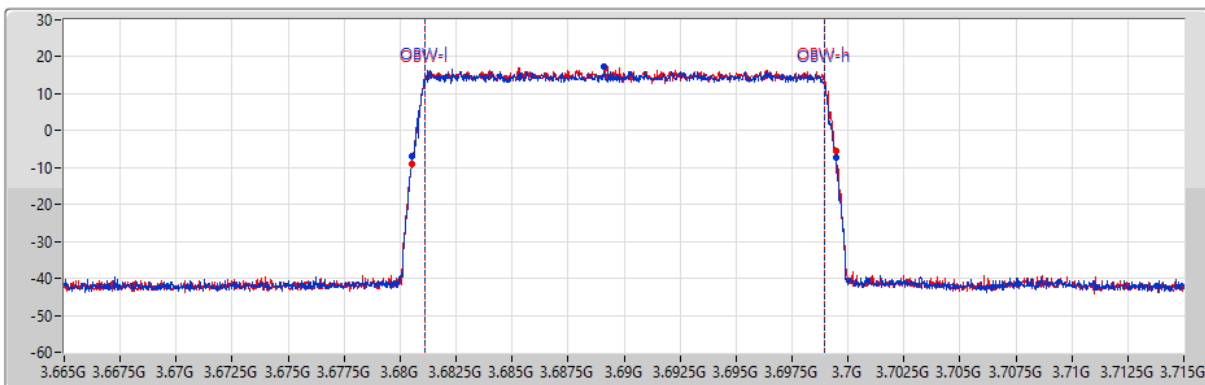
21/01/2021


Port 1
Port 2

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	3.615575G	3.634475G	17.866M	3.616054G	3.633921G	1	3.625G	50M	200k	1M
18.95M	3.61555G	3.6345G	17.866M	3.616079G	3.633946G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
EBW
P3625MHz,#3690MHz_QPSK_P_100@L+S_100@L

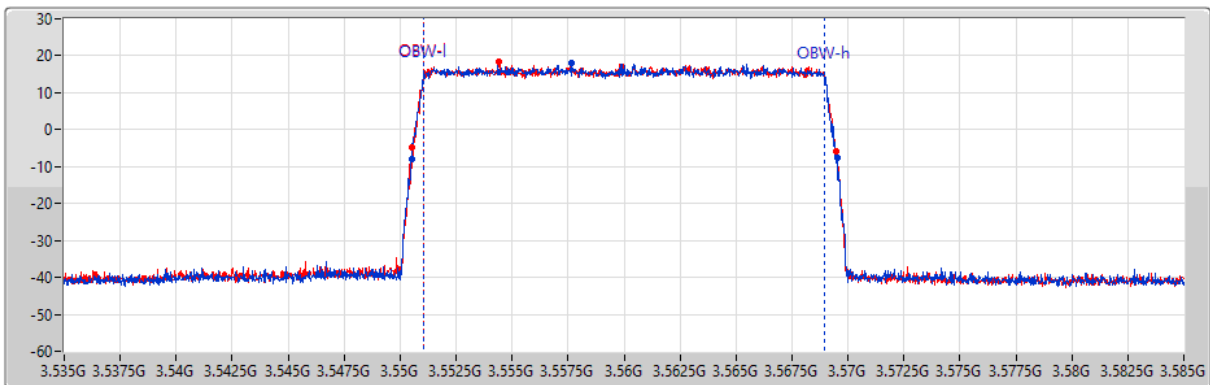
21/01/2021


Port 1
Port 2

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	3.68055G	3.69945G	17.866M	3.681079G	3.698946G	1	3.69G	50M	200k	1M
18.975M	3.6805G	3.699475G	17.866M	3.681079G	3.698946G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
EBW
P#3560MHz,3625MHz_16QAM_P_100@L+S_100@L

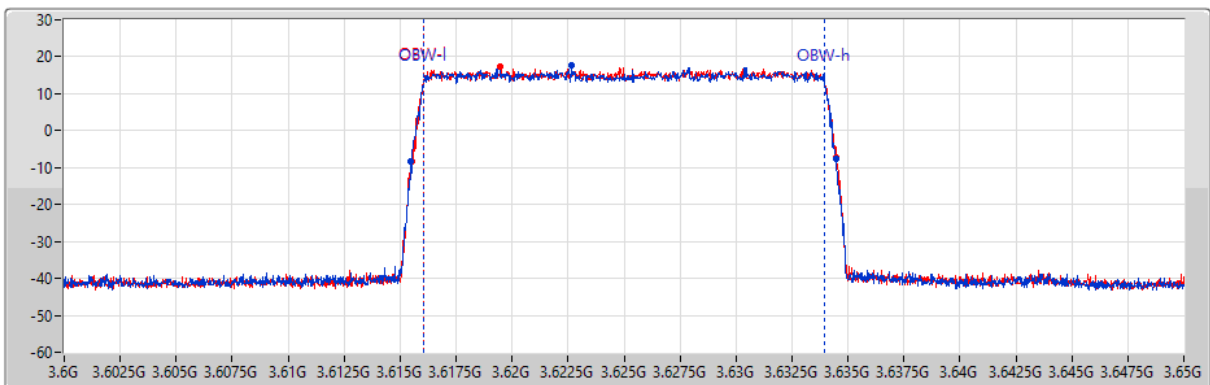
21/01/2021


Port 1
Port 2

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	3.5505G	3.569525G	17.891M	3.551054G	3.568946G	1	3.56G	50M	200k	1M
18.95M	3.550525G	3.569475G	17.891M	3.551054G	3.568946G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
EBW
P3560MHz,#3625MHz_16QAM_P_100@L+S_100@L

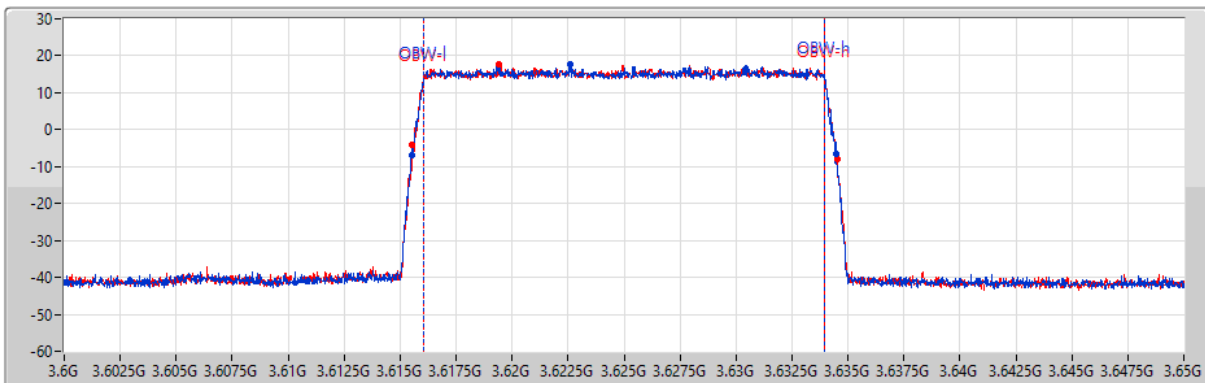
21/01/2021


Port 1
Port 2

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	3.615475G	3.63445G	17.891M	3.616054G	3.633946G	1	3.625G	50M	200k	1M
18.95M	3.61555G	3.6345G	17.891M	3.616054G	3.633946G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
EBW
P#3625MHz,3690MHz_16QAM_P_100@L+S_100@L

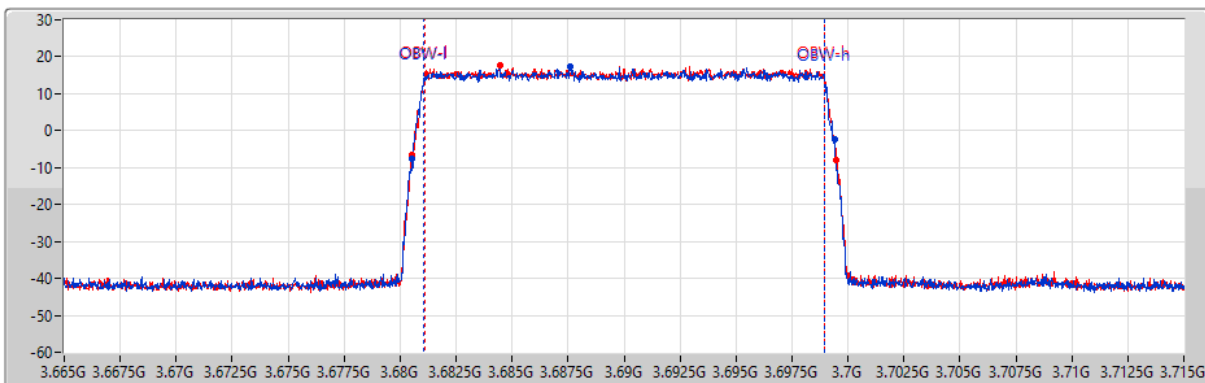
21/01/2021


Port 1
Port 2

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	3.6155G	3.6345G	17.891M	3.616054G	3.633946G	1	3.625G	50M	200k	1M
18.975M	3.61555G	3.634525G	17.891M	3.616054G	3.633946G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX
EBW
P3625MHz,#3690MHz_16QAM_P_100@L+S_100@L

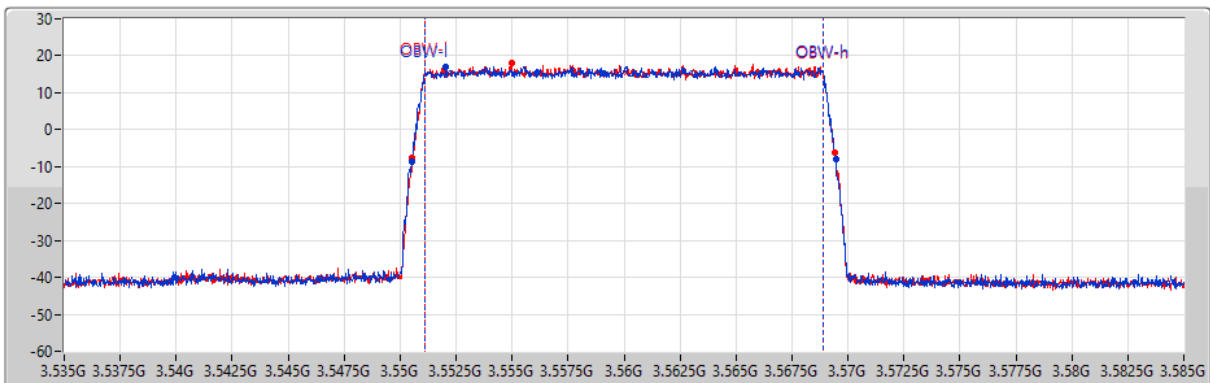
21/01/2021


Port 1
Port 2

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	3.680525G	3.6994G	17.891M	3.681054G	3.698946G	1	3.69G	50M	200k	1M
18.975M	3.6805G	3.699475G	17.866M	3.681079G	3.698946G	2	3.69G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
EBW
P#3560MHz,3625MHz_64QAM_P_100@L+S_100@L

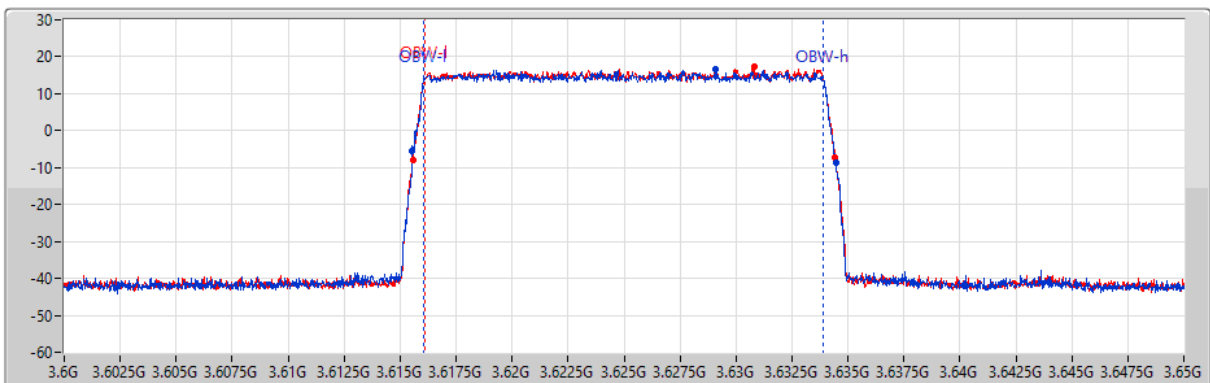
22/01/2021


Port 1
Port 2

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	3.550525G	3.569475G	17.841M	3.551079G	3.568921G	1	3.56G	50M	200k	1M
18.875M	3.55055G	3.569425G	17.816M	3.551079G	3.568896G	2	3.56G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
EBW
P3560MHz,#3625MHz_64QAM_P_100@L+S_100@L

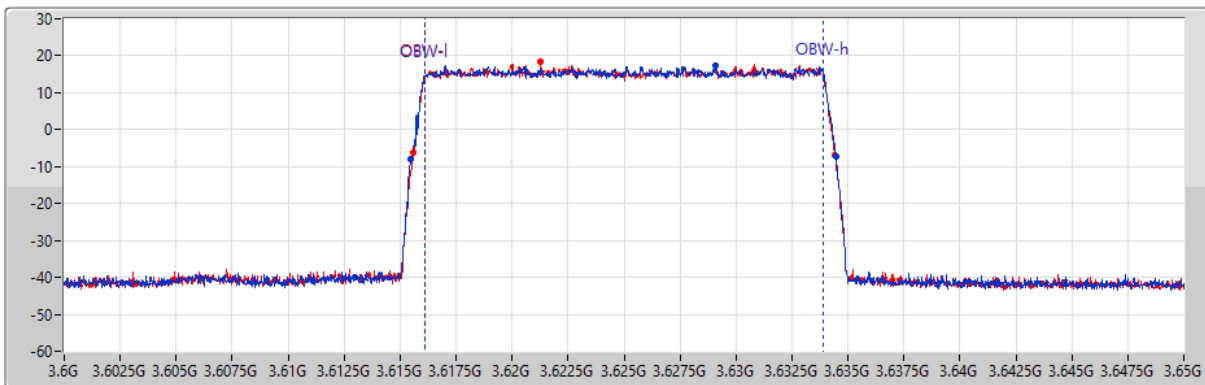
22/01/2021


Port 1
Port 2

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	17.866M	3.616054G	3.633921G	1	3.625G	50M	200k	1M
18.85M	3.615575G	3.634425G	17.841M	3.616079G	3.633921G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
EBW
P#3625MHz,3690MHz_64QAM_P_100@L+S_100@L

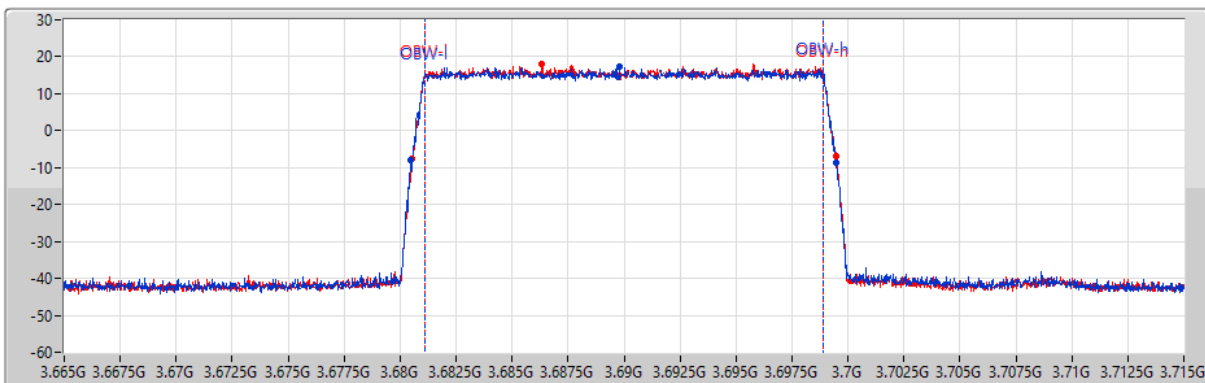
22/01/2021


Port 1
Port 2

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	3.61545G	3.634475G	17.841M	3.616079G	3.633921G	1	3.625G	50M	200k	1M
18.825M	3.6156G	3.634425G	17.841M	3.616079G	3.633921G	2	3.625G	50M	200k	1M

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX
EBW
P3625MHz,#3690MHz_64QAM_P_100@L+S_100@L

22/01/2021


Port 1
Port 2

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)
19.05M	3.68045G	3.6995G	17.841M	3.681079G	3.698921G	1	3.69G	50M	200k	1M
18.925M	3.68055G	3.699475G	17.816M	3.681079G	3.698896G	2	3.69G	50M	200k	1M

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	3.52G	3.53G	100k	300k	RMS	3.5285G	-44.29	-40.00	-4.29	MBW 1M	-
LTE_10MHz_Nss1,16QAM_2TX	Pass	3.52G	3.53G	100k	300k	RMS	3.5205G	-45.37	-40.00	-5.37	MBW 1M	-
LTE_10MHz_Nss1,64QAM_2TX	Pass	3.52G	3.53G	100k	300k	RMS	3.5235G	-45.54	-40.00	-5.54	MBW 1M	-
LTE_20MHz_Nss1,QPSK_2TX	Pass	3.52G	3.53G	100k	300k	RMS	3.5225G	-44.37	-40.00	-4.37	MBW 1M	-
LTE_20MHz_Nss1,16QAM_2TX	Pass	3.52G	3.53G	100k	300k	RMS	3.5245G	-45.74	-40.00	-5.74	MBW 1M	-
LTE_20MHz_Nss1,64QAM_2TX	Pass	3.52G	3.53G	100k	300k	RMS	3.5295G	-45.70	-40.00	-5.70	MBW 1M	-

Result

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	-	-	-	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-71.20	-40.00	-31.20	-	-
3555MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	329.1k	-61.95	-40.00	-21.95	-	-
3555MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	889.5M	-52.88	-40.00	-12.88	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-46.42	-40.00	-6.42	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5285G	-44.29	-40.00	-4.29	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.53G	3.54G	100k	300k	RMS	3.5395G	-31.99	-25.00	-6.99	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.54G	3.55G	100k	300k	RMS	3.5495G	-31.80	-13.00	-18.80	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.56G	3.57G	100k	300k	RMS	3.5605G	-31.77	-13.00	-18.77	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.57G	3.72G	100k	300k	RMS	3.6315G	-43.99	-25.00	-18.99	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-48.88	-40.00	-8.88	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9815G	-47.45	-40.00	-7.45	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-49.52	-40.00	-9.52	-	-
3625MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9.141k	-69.99	-40.00	-29.99	-	-
3625MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	329.1k	-62.99	-40.00	-22.99	-	-
3625MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	825.5M	-52.34	-40.00	-12.34	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-47.10	-40.00	-7.10	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5285G	-44.62	-40.00	-4.62	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.53G	3.61G	100k	300k	RMS	3.6095G	-31.66	-25.00	-6.66	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.61G	3.62G	100k	300k	RMS	3.6195G	-31.46	-13.00	-18.46	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.63G	3.64G	100k	300k	RMS	3.6305G	-31.52	-13.00	-18.52	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.64G	3.72G	100k	300k	RMS	3.6865G	-43.83	-25.00	-18.83	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-48.62	-40.00	-8.62	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9995G	-47.32	-40.00	-7.32	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-49.37	-40.00	-9.37	-	-
3695MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	10.692k	-71.66	-40.00	-31.66	-	-
3695MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-61.56	-40.00	-21.56	-	-
3695MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	673.5M	-52.24	-40.00	-12.24	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0845G	-46.14	-40.00	-6.14	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5225G	-44.73	-40.00	-4.73	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.53G	3.68G	100k	300k	RMS	3.6055G	-31.54	-25.00	-6.54	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.68G	3.69G	100k	300k	RMS	3.6895G	-31.95	-13.00	-18.95	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.7G	3.71G	100k	300k	RMS	3.7005G	-31.89	-13.00	-18.89	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7105G	-44.64	-25.00	-19.64	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7715G	-47.55	-40.00	-7.55	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9935G	-47.28	-40.00	-7.28	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	40G	-49.42	-40.00	-9.42	-	-
Band 48_LTE_10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9.141k	-72.30	-40.00	-32.30	-	-
3555MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.55	-40.00	-22.55	-	-
3555MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	763.5M	-54.07	-40.00	-14.07	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4795G	-47.29	-40.00	-7.29	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5205G	-45.37	-40.00	-5.37	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.53G	3.54G	100k	300k	RMS	3.5385G	-33.21	-25.00	-8.21	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.54G	3.55G	100k	300k	RMS	3.5495G	-33.00	-13.00	-20.00	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.56G	3.57G	100k	300k	RMS	3.5605G	-32.97	-13.00	-19.97	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.57G	3.72G	100k	300k	RMS	3.6305G	-45.25	-25.00	-20.25	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-49.84	-40.00	-9.84	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9905G	-48.64	-40.00	-8.64	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	40G	-50.76	-40.00	-10.76	-	-
3625MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9k	-71.63	-40.00	-31.63	-	-
3625MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.08	-40.00	-22.08	-	-
3625MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	979.5M	-54.30	-40.00	-14.30	MBW 1M	-

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)
3625MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0735G	-47.99	-40.00	-7.99	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5245G	-45.73	-40.00	-5.73	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.53G	3.61G	100k	300k	RMS	3.6075G	-32.91	-25.00	-7.91	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.61G	3.62G	100k	300k	RMS	3.6195G	-32.63	-13.00	-19.63	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.63G	3.64G	100k	300k	RMS	3.6305G	-32.68	-13.00	-19.68	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.64G	3.72G	100k	300k	RMS	3.6865G	-45.52	-25.00	-20.52	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-49.41	-40.00	-9.41	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9865G	-48.68	-40.00	-8.68	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-50.69	-40.00	-10.69	-	-
3695MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9.564k	-72.49	-40.00	-32.49	-	-
3695MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	329.1k	-62.37	-40.00	-22.37	-	-
3695MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	876.5M	-54.32	-40.00	-14.32	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0735G	-47.91	-40.00	-7.91	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5245G	-45.82	-40.00	-5.82	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.53G	3.68G	100k	300k	RMS	3.6115G	-32.86	-25.00	-7.86	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.68G	3.69G	100k	300k	RMS	3.6895G	-33.10	-13.00	-20.10	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.7G	3.71G	100k	300k	RMS	3.7005G	-33.07	-13.00	-20.07	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7105G	-45.47	-25.00	-20.47	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7705G	-48.02	-40.00	-8.02	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9895G	-48.69	-40.00	-8.69	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-50.71	-40.00	-10.71	-	-
Band 48_LTE_10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-	-	-	-
3555MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9k	-72.62	-40.00	-32.62	-	-
3555MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.45	-40.00	-22.45	-	-
3555MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	993.5M	-54.33	-40.00	-14.33	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4795G	-47.58	-40.00	-7.58	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5235G	-45.68	-40.00	-5.68	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.53G	3.54G	100k	300k	RMS	3.5365G	-33.26	-25.00	-8.26	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.54G	3.55G	100k	300k	RMS	3.5495G	-33.05	-13.00	-20.05	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.56G	3.57G	100k	300k	RMS	3.5605G	-33.01	-13.00	-20.01	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.57G	3.72G	100k	300k	RMS	3.6305G	-45.43	-25.00	-20.43	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-50.16	-40.00	-10.16	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9915G	-48.69	-40.00	-8.69	MBW 1M	-
3555MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-50.70	-40.00	-10.70	-	-
3625MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9.141k	-72.07	-40.00	-32.07	-	-
3625MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-61.92	-40.00	-21.92	-	-
3625MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	873.5M	-54.22	-40.00	-14.22	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-47.92	-40.00	-7.92	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5235G	-45.54	-40.00	-5.54	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.53G	3.61G	100k	300k	RMS	3.6095G	-32.87	-25.00	-7.87	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.61G	3.62G	100k	300k	RMS	3.6195G	-32.56	-13.00	-19.56	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.63G	3.64G	100k	300k	RMS	3.6305G	-32.49	-13.00	-19.49	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.64G	3.72G	100k	300k	RMS	3.7015G	-45.41	-25.00	-20.41	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-49.22	-40.00	-9.22	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9875G	-48.68	-40.00	-8.68	MBW 1M	-
3625MHz_RB 50,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-50.67	-40.00	-10.67	-	-
3695MHz_RB 50,#RB 0	Pass	9k	150k	200	1k	RMS	9k	-72.48	-40.00	-32.48	-	-
3695MHz_RB 50,#RB 0	Pass	150k	30M	10k	30k	RMS	150k	-61.81	-40.00	-21.81	-	-
3695MHz_RB 50,#RB 0	Pass	30M	1G	100k	300k	RMS	846.5M	-54.35	-40.00	-14.35	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0815G	-46.80	-40.00	-6.80	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5235G	-45.82	-40.00	-5.82	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.53G	3.68G	100k	300k	RMS	3.6105G	-32.87	-25.00	-7.87	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.68G	3.69G	100k	300k	RMS	3.6895G	-33.12	-13.00	-20.12	MBW 1M	-
3695MHz_RB 50,#RB 0	Pass	3.7G	3.71G	100k	300k	RMS	3.7005G	-33.09	-13.00	-20.09	MBW 1M	-

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)
3695MHz_RB 50, #RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7105G	-45.52	-25.00	-20.52	MBW 1M	-
3695MHz_RB 50, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7715G	-48.11	-40.00	-8.11	MBW 1M	-
3695MHz_RB 50, #RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9815G	-48.69	-40.00	-8.69	MBW 1M	-
3695MHz_RB 50, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-50.65	-40.00	-10.65	-	-
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-	-	-	-
3560MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-70.77	-40.00	-30.77	-	-
3560MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	329.1k	-62.42	-40.00	-22.42	-	-
3560MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	776.5M	-53.40	-40.00	-13.40	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4925G	-45.64	-40.00	-5.64	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5235G	-44.67	-40.00	-4.67	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.53G	3.54G	200k	1M	RMS	3.5385G	-32.43	-25.00	-7.43	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.54G	3.55G	200k	1M	RMS	3.5495G	-32.24	-13.00	-19.24	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.57G	3.58G	200k	1M	RMS	3.5705G	-32.10	-13.00	-19.10	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.58G	3.72G	100k	300k	RMS	3.6295G	-43.84	-25.00	-18.84	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7215G	-49.31	-40.00	-9.31	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9935G	-47.82	-40.00	-7.82	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-49.99	-40.00	-9.99	-	-
3625MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9k	-70.55	-40.00	-30.55	-	-
3625MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.79	-40.00	-22.79	-	-
3625MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	633.5M	-52.80	-40.00	-12.80	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-47.30	-40.00	-7.30	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5225G	-44.37	-40.00	-4.37	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.53G	3.605G	200k	1M	RMS	3.5915G	-32.13	-25.00	-7.13	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.605G	3.615G	200k	1M	RMS	3.6145G	-31.83	-13.00	-18.83	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.635G	3.645G	200k	1M	RMS	3.6355G	-31.96	-13.00	-18.96	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.645G	3.72G	100k	300k	RMS	3.6955G	-44.09	-25.00	-19.09	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-48.56	-40.00	-8.56	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	7.2515G	-47.06	-40.00	-7.06	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	40G	-49.89	-40.00	-9.89	-	-
3690MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9k	-70.59	-40.00	-30.59	-	-
3690MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	209.7k	-63.45	-40.00	-23.45	-	-
3690MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	879.5M	-52.75	-40.00	-12.75	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0715G	-46.00	-40.00	-6.00	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5245G	-44.64	-40.00	-4.64	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.53G	3.67G	200k	1M	RMS	3.6065G	-32.01	-25.00	-7.01	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.67G	3.68G	200k	1M	RMS	3.6795G	-32.33	-13.00	-19.33	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.7G	3.71G	200k	1M	RMS	3.7005G	-32.33	-13.00	-19.33	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7125G	-44.70	-25.00	-19.70	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7595G	-46.37	-40.00	-6.37	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	7.3795G	-47.57	-40.00	-7.57	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-49.77	-40.00	-9.77	-	-
Band 48_LTE_20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-	-	-	-
3560MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-71.53	-40.00	-31.53	-	-
3560MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-61.93	-40.00	-21.93	-	-
3560MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	742.5M	-54.76	-40.00	-14.76	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4925G	-46.83	-40.00	-6.83	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5295G	-45.84	-40.00	-5.84	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.53G	3.54G	200k	1M	RMS	3.5385G	-33.65	-25.00	-8.65	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.54G	3.55G	200k	1M	RMS	3.5495G	-33.43	-13.00	-20.43	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.57G	3.58G	200k	1M	RMS	3.5705G	-33.29	-13.00	-20.29	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.58G	3.72G	100k	300k	RMS	3.6865G	-44.20	-25.00	-19.20	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-50.21	-40.00	-10.21	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9895G	-49.07	-40.00	-9.07	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.13	-40.00	-11.13	-	-

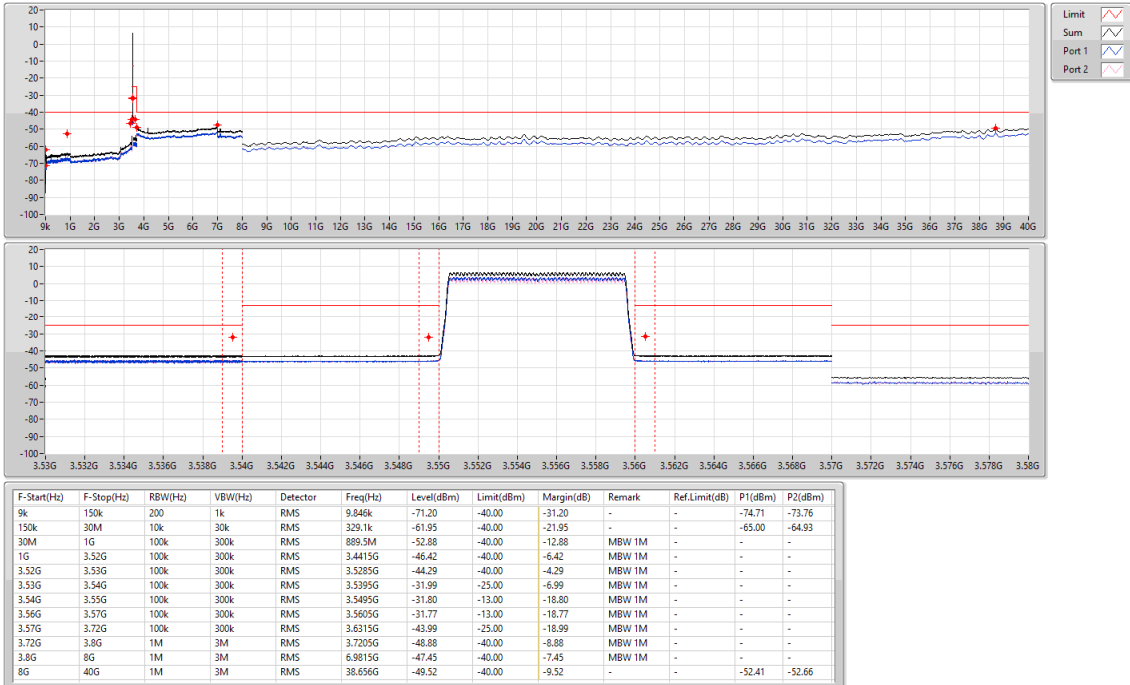
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark	Ref.Limit (dB)
3625MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-70.87	-40.00	-30.87	-	-
3625MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.52	-40.00	-22.52	-	-
3625MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	987.5M	-54.73	-40.00	-14.73	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-48.30	-40.00	-8.30	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5245G	-45.74	-40.00	-5.74	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.53G	3.605G	200k	1M	RMS	3.6015G	-33.34	-25.00	-8.34	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.605G	3.615G	200k	1M	RMS	3.6145G	-32.98	-13.00	-19.98	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.635G	3.645G	200k	1M	RMS	3.6355G	-33.11	-13.00	-20.11	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.645G	3.72G	100k	300k	RMS	3.6865G	-43.90	-25.00	-18.90	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-49.29	-40.00	-9.29	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	7.2505G	-47.50	-40.00	-7.50	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.09	-40.00	-11.09	-	-
3690MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-69.95	-40.00	-29.95	-	-
3690MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.00	-40.00	-22.00	-	-
3690MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	981.5M	-54.78	-40.00	-14.78	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0735G	-46.65	-40.00	-6.65	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5205G	-46.13	-40.00	-6.13	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.53G	3.67G	200k	1M	RMS	3.6085G	-33.29	-25.00	-8.29	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.67G	3.68G	200k	1M	RMS	3.6795G	-33.40	-13.00	-20.40	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.7G	3.71G	200k	1M	RMS	3.7005G	-33.38	-13.00	-20.38	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7125G	-45.59	-25.00	-20.59	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7595G	-46.92	-40.00	-6.92	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	7.3795G	-48.03	-40.00	-8.03	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.09	-40.00	-11.09	-	-
Band 48_LTE_20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-	-	-	-
3560MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-69.82	-40.00	-29.82	-	-
3560MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.22	-40.00	-22.22	-	-
3560MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	909.5M	-54.70	-40.00	-14.70	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4925G	-46.90	-40.00	-6.90	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5295G	-45.79	-40.00	-5.79	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.53G	3.54G	200k	1M	RMS	3.5375G	-33.65	-25.00	-8.65	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.54G	3.55G	200k	1M	RMS	3.5495G	-33.38	-13.00	-20.38	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.57G	3.58G	200k	1M	RMS	3.5705G	-33.24	-13.00	-20.24	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.58G	3.72G	100k	300k	RMS	3.6865G	-44.33	-25.00	-19.33	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-50.11	-40.00	-10.11	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	6.9905G	-49.06	-40.00	-9.06	MBW 1M	-
3560MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.09	-40.00	-11.09	-	-
3625MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-71.06	-40.00	-31.06	-	-
3625MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.76	-40.00	-22.76	-	-
3625MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	802.5M	-54.83	-40.00	-14.83	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.4415G	-48.24	-40.00	-8.24	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5295G	-45.70	-40.00	-5.70	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.53G	3.605G	200k	1M	RMS	3.6005G	-33.37	-25.00	-8.37	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.605G	3.615G	200k	1M	RMS	3.6145G	-32.98	-13.00	-19.98	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.635G	3.645G	200k	1M	RMS	3.6355G	-33.10	-13.00	-20.10	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.645G	3.72G	100k	300k	RMS	3.6865G	-43.98	-25.00	-18.98	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7205G	-49.39	-40.00	-9.39	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	3.8G	8G	1M	3M	RMS	7.2505G	-47.62	-40.00	-7.62	MBW 1M	-
3625MHz_RB 100, #RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.13	-40.00	-11.13	-	-
3690MHz_RB 100, #RB 0	Pass	9k	150k	200	1k	RMS	9.846k	-69.94	-40.00	-29.94	-	-
3690MHz_RB 100, #RB 0	Pass	150k	30M	10k	30k	RMS	150k	-62.13	-40.00	-22.13	-	-
3690MHz_RB 100, #RB 0	Pass	30M	1G	100k	300k	RMS	842.5M	-54.73	-40.00	-14.73	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	1G	3.52G	100k	300k	RMS	3.0735G	-46.56	-40.00	-6.56	MBW 1M	-
3690MHz_RB 100, #RB 0	Pass	3.52G	3.53G	100k	300k	RMS	3.5295G	-46.18	-40.00	-6.18	MBW 1M	-

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)
3690MHz_RB 100,#RB 0	Pass	3.53G	3.67G	200k	1M	RMS	3.6135G	-33.26	-25.00	-8.26	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	3.67G	3.68G	200k	1M	RMS	3.6795G	-33.49	-13.00	-20.49	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	3.7G	3.71G	200k	1M	RMS	3.7005G	-33.46	-13.00	-20.46	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	3.71G	3.72G	100k	300k	RMS	3.7125G	-45.50	-25.00	-20.50	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	3.72G	3.8G	1M	3M	RMS	3.7595G	-46.95	-40.00	-6.95	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	3.8G	8G	1M	3M	RMS	7.3795G	-48.35	-40.00	-8.35	MBW 1M	-
3690MHz_RB 100,#RB 0	Pass	8G	40G	1M	3M	RMS	38.656G	-51.10	-40.00	-11.10	-	-

Band 48_LTE_10MHz_Nss1,QPSK_2TX
3555MHz_QPSK_RB 50,#RB 0

CSE-TX-Sum

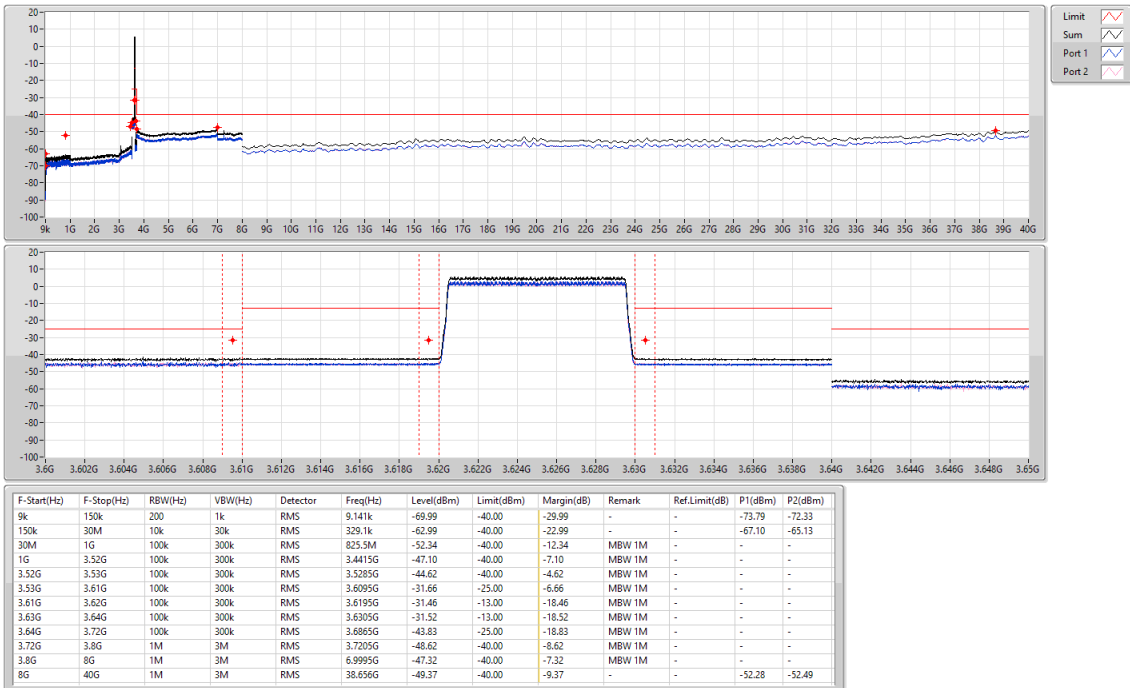
24/12/2020



Band 48_LTE_10MHz_Nss1,QPSK_2TX
3625MHz_QPSK_RB 50,#RB 0

CSE-TX-Sum

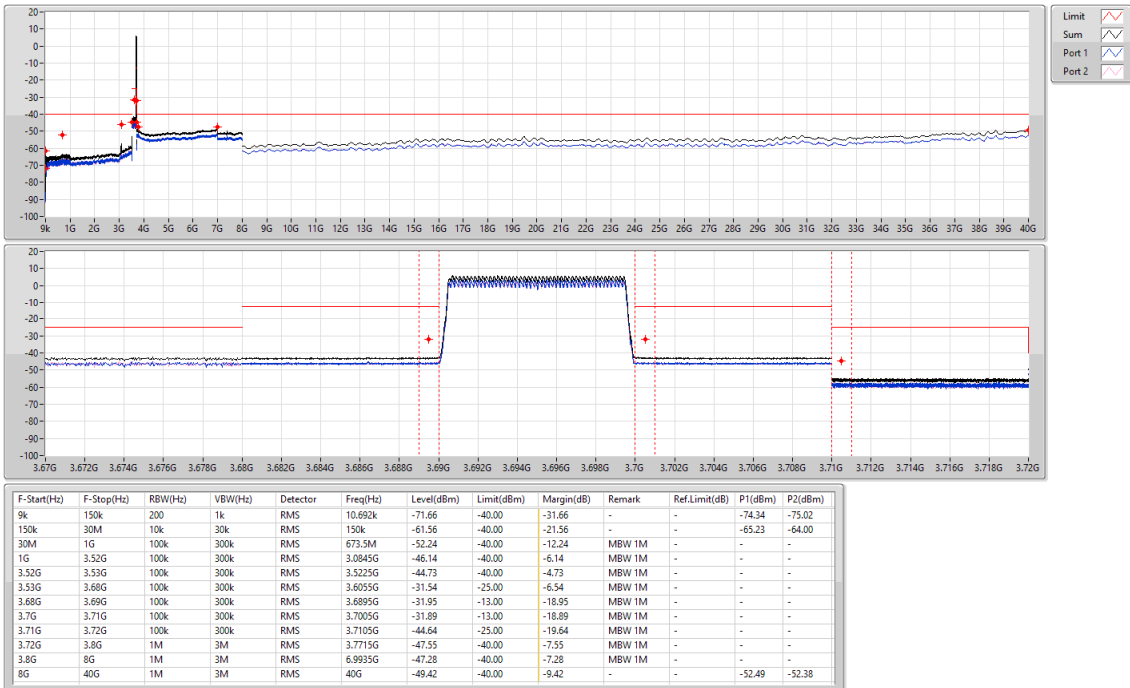
24/12/2020



Band 48 LTE_10MHz_Nss1,QPSK_2TX
3695MHz_QPSK_RB 50,#RB 0

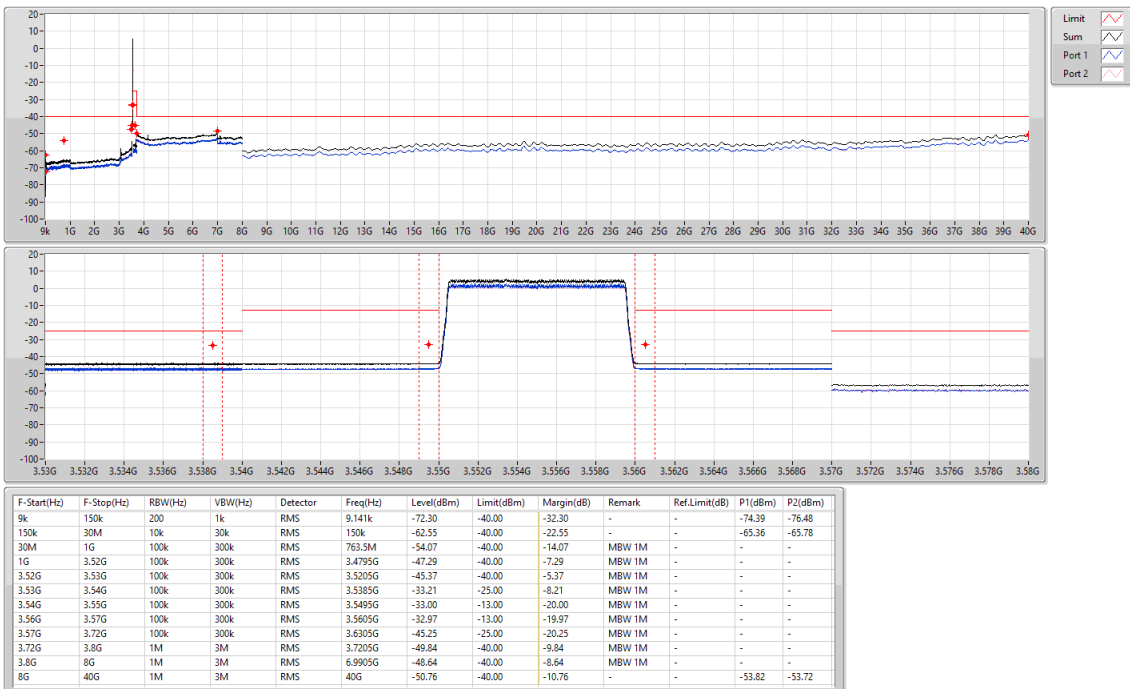
CSE-TX-Sum

24/12/2020

**Band 48 LTE_10MHz_Nss1,16QAM_2TX**
3555MHz_16QAM_RB 50,#RB 0

CSE-TX-Sum

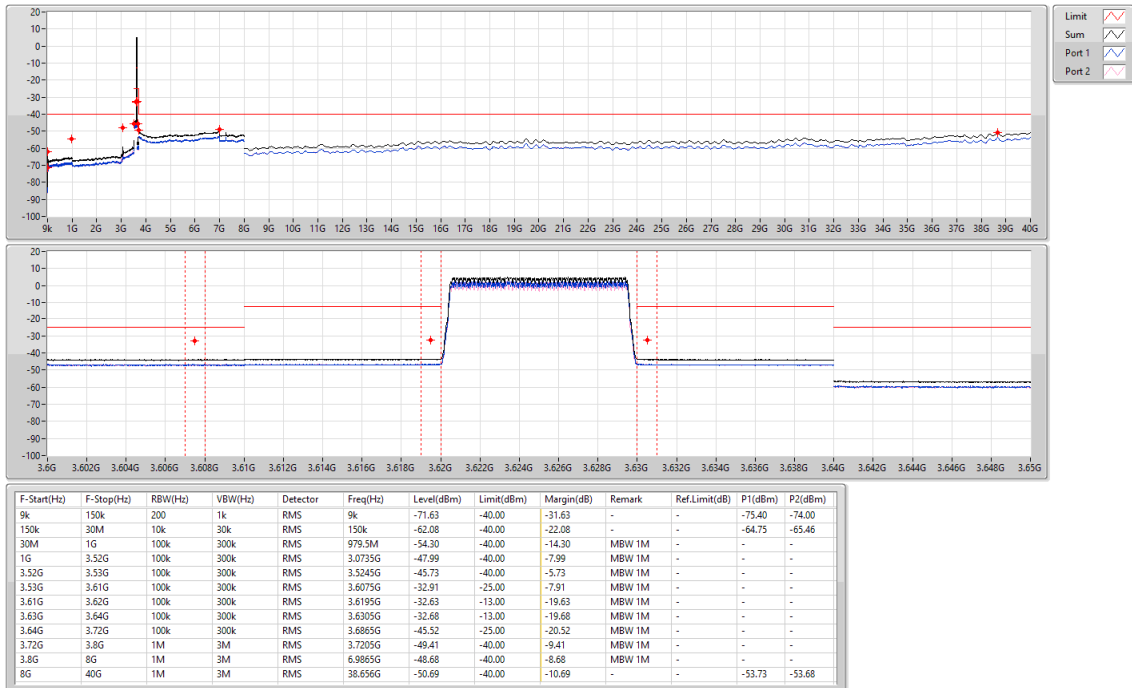
02/01/2021



Band 48 LTE_10MHz_Nss1,16QAM_2TX
3625MHz_16QAM_RB 50,#RB 0

CSE-TX-Sum

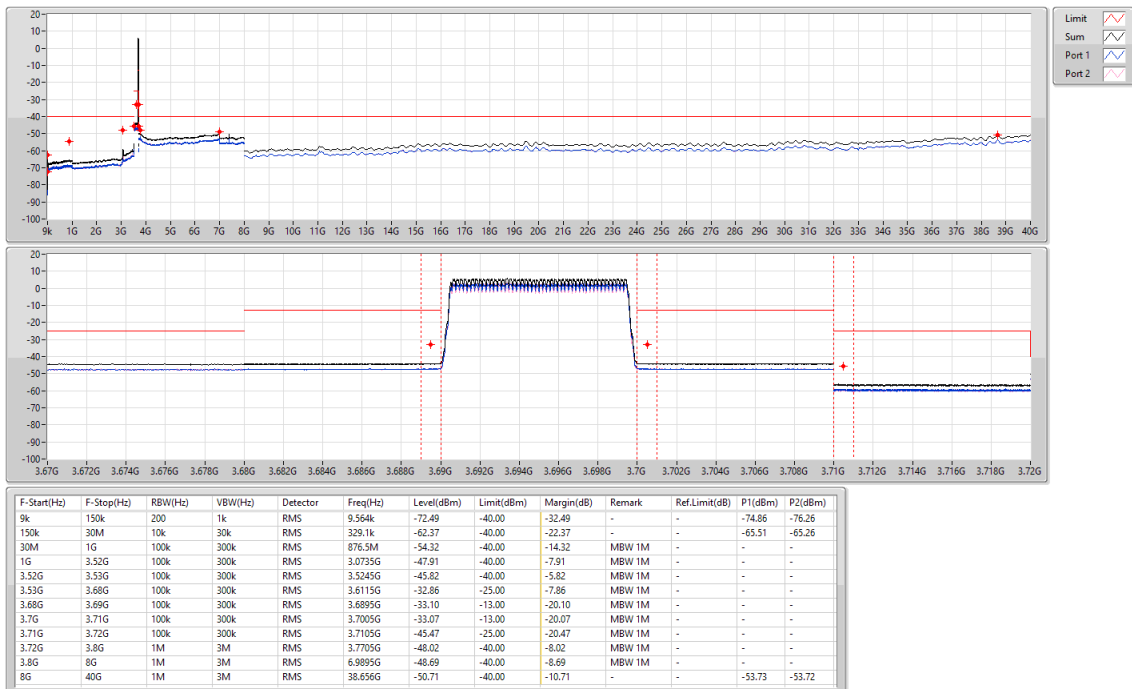
02/01/2021



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3695MHz_16QAM_RB 50,#RB 0

CSE-TX-Sum

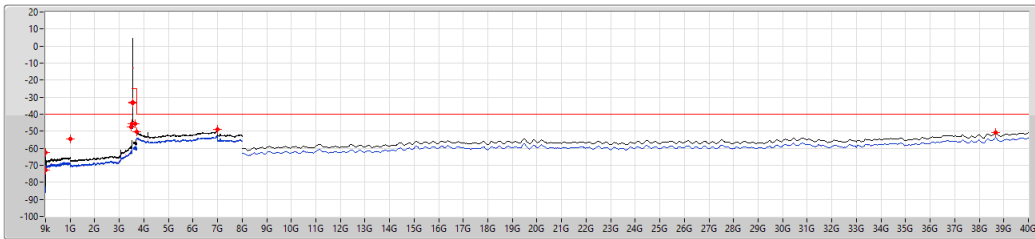
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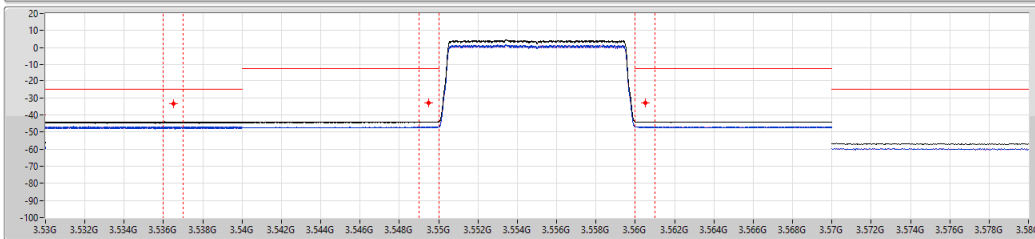
Band 48 LTE_10MHz_Nss1,64QAM_2TX
3555MHz_64QAM_RB 50,#RB 0

CSE-TX-Sum

02/01/2021



Limit
Sum
Port 1
Port 2

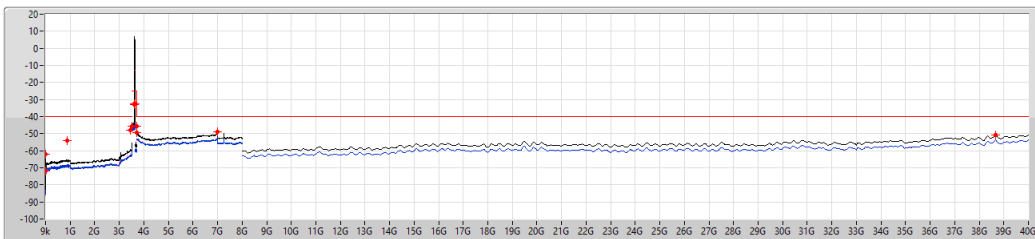


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9k	-72.62	-40.00	-32.62	-	-	-75.59	-75.67
150k	30M	100k	300k	RMS	150k	-62.45	-40.00	-22.45	-	-	-65.85	-65.11
30M	1G	100k	300k	RMS	993.3M	-54.33	-40.00	-14.33	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.4795G	-47.58	-40.00	-7.58	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5235G	-45.68	-40.00	-5.68	MBW 1M	-	-	-
3.53G	3.54G	100k	300k	RMS	3.5365G	-33.26	-25.00	-8.26	MBW 1M	-	-	-
3.54G	3.55G	100k	300k	RMS	3.5495G	-33.05	-13.00	-20.05	MBW 1M	-	-	-
3.56G	3.57G	100k	300k	RMS	3.5605G	-33.01	-13.00	-20.01	MBW 1M	-	-	-
3.57G	3.72G	100k	300k	RMS	3.6305G	-45.43	-25.00	-20.43	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7205G	-50.16	-40.00	-10.16	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	6.9915G	-48.69	-40.00	-8.69	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	38.656G	-50.70	-40.00	-10.70	-	-	-53.73	-53.70

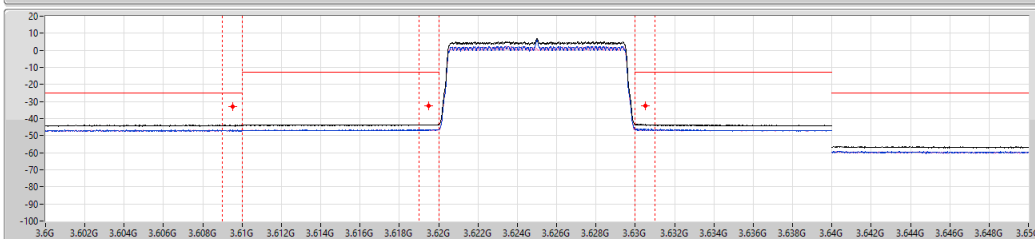
Band 48 LTE_10MHz_Nss1,64QAM_2TX
3625MHz_64QAM_RB 50,#RB 0

CSE-TX-Sum

02/01/2021



Limit
Sum
Port 1
Port 2

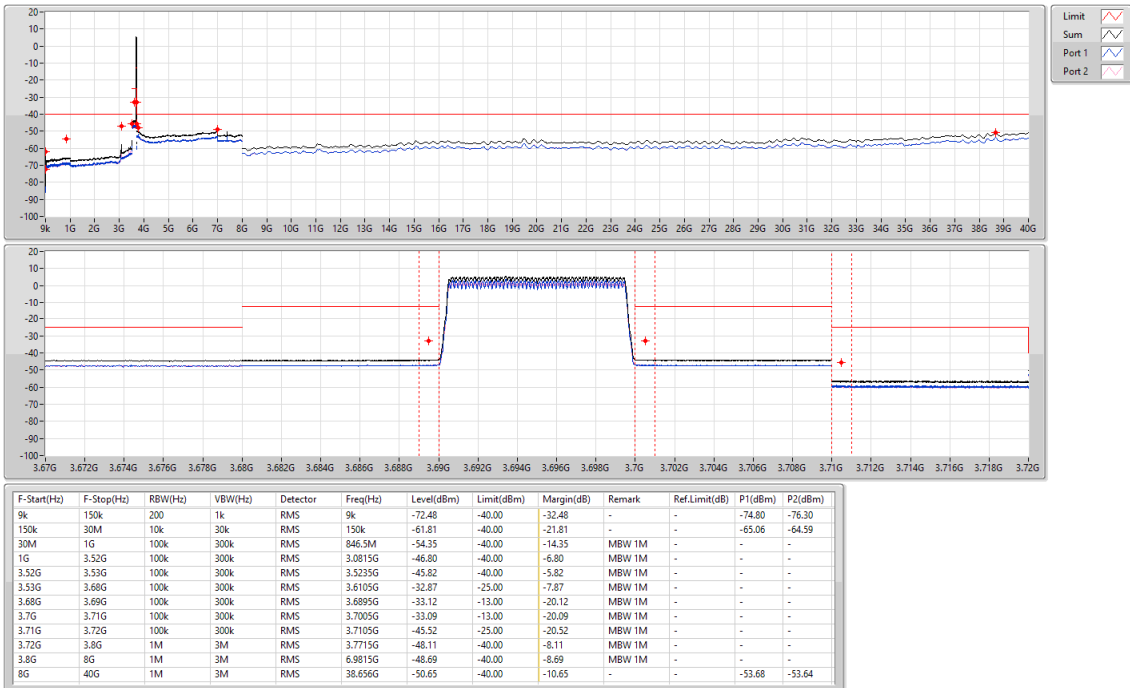


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.141k	-72.07	-40.00	-32.07	-	-	-74.58	-75.64
150k	30M	100k	300k	RMS	150k	-61.92	-40.00	-21.92	-	-	-64.75	-65.12
30M	1G	100k	300k	RMS	873.3M	-54.22	-40.00	-14.22	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.4415G	-47.92	-40.00	-7.92	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5235G	-45.54	-40.00	-5.54	MBW 1M	-	-	-
3.53G	3.61G	100k	300k	RMS	3.6095G	-32.87	-25.00	-7.87	MBW 1M	-	-	-
3.61G	3.62G	100k	300k	RMS	3.6195G	-32.56	-13.00	-19.56	MBW 1M	-	-	-
3.63G	3.64G	100k	300k	RMS	3.6305G	-32.49	-13.00	-19.49	MBW 1M	-	-	-
3.64G	3.72G	100k	300k	RMS	3.7015G	-45.41	-25.00	-20.41	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7205G	-49.22	-40.00	-9.22	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	6.9815G	-48.68	-40.00	-8.68	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	38.656G	-50.67	-40.00	-10.67	-	-	-53.65	-53.71

Band 48 LTE 10MHz Nss1,64QAM_2TX
3695MHz_64QAM_RB 50,#RB 0

CSE-TX-Sum

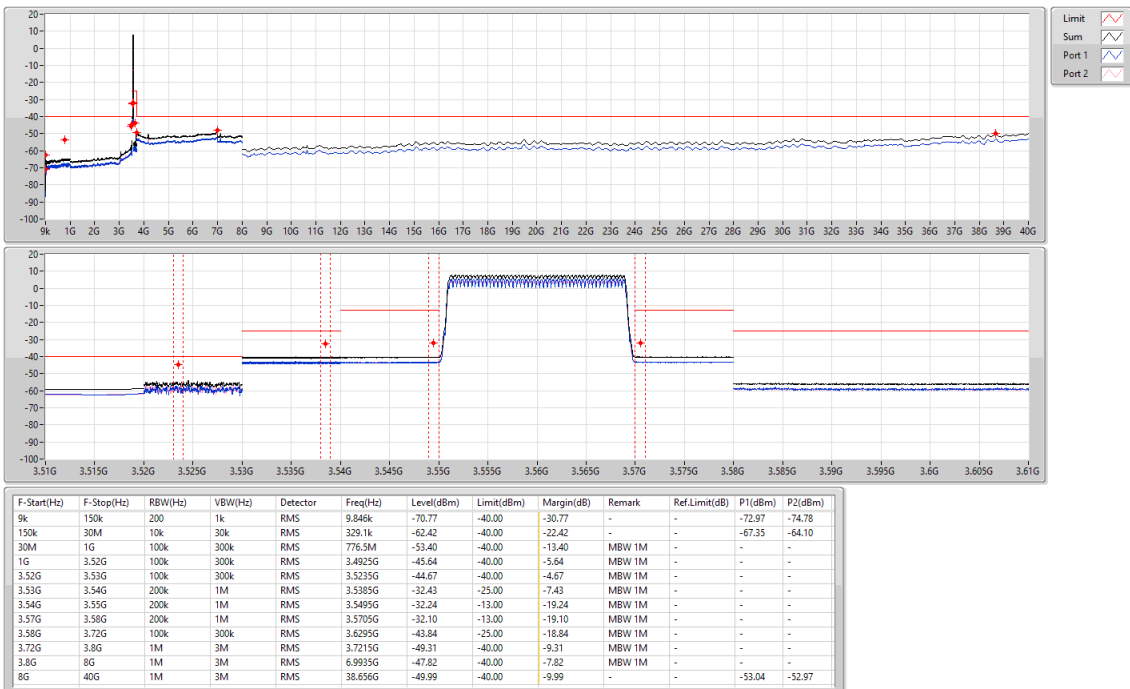
02/01/2021



Band 48 LTE 20MHz Nss1,QPSK_2TX
3560MHz_QPSK_RB 100,#RB 0

CSE-TX-Sum

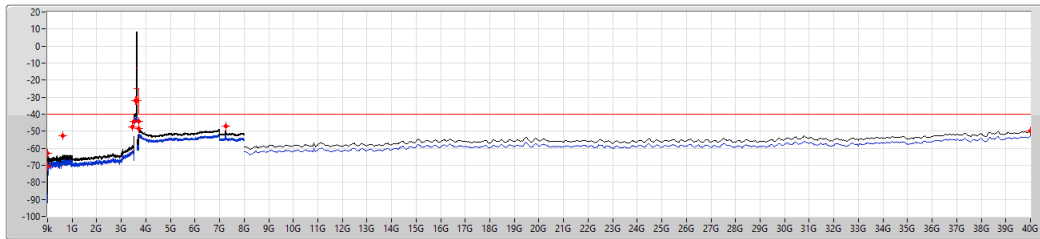
24/12/2020



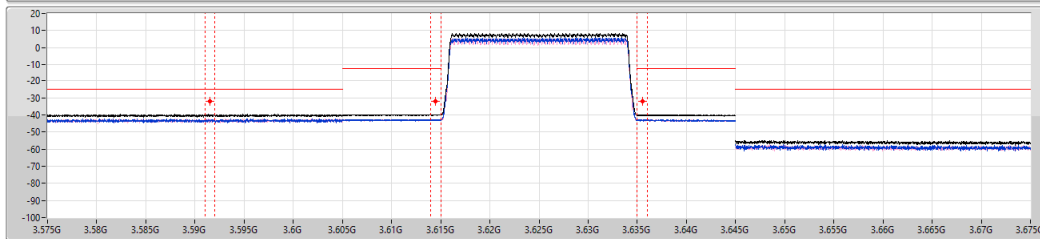
Band 48 LTE_20MHz_Nss1,QPSK_2TX
3625MHz_QPSK_RB 100,#RB 0

CSE-TX-Sum

24/12/2020



Limit
Sum
Port 1
Port 2

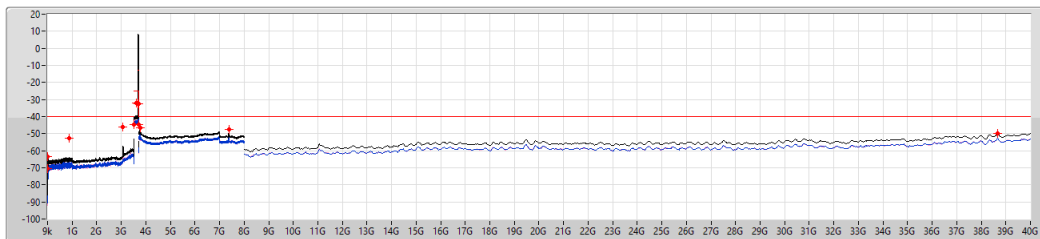


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9k	-70.55	-40.00	-30.55	-	-	-75.47	-72.24
150k	30M	10k	30k	RMS	150k	-62.79	-40.00	-22.79	-	-	-64.89	-66.96
30M	1G	100k	300k	RMS	633.3M	-52.80	-40.00	-12.80	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.4415G	-47.30	-40.00	-7.30	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5225G	-44.37	-40.00	-4.37	MBW 1M	-	-	-
3.53G	3.605G	200k	1M	RMS	3.5915G	-32.13	-25.00	-7.13	MBW 1M	-	-	-
3.605G	3.615G	200k	1M	RMS	3.6145G	-31.83	-13.00	-18.83	MBW 1M	-	-	-
3.615G	3.645G	200k	1M	RMS	3.6355G	-31.96	-13.00	-18.96	MBW 1M	-	-	-
3.645G	3.72G	100k	300k	RMS	3.6955G	-44.09	-25.00	-19.09	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7205G	-48.56	-40.00	-8.56	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	7.2515G	-47.06	-40.00	-7.06	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	40G	-49.89	-40.00	-9.89	-	-	-52.87	-52.94

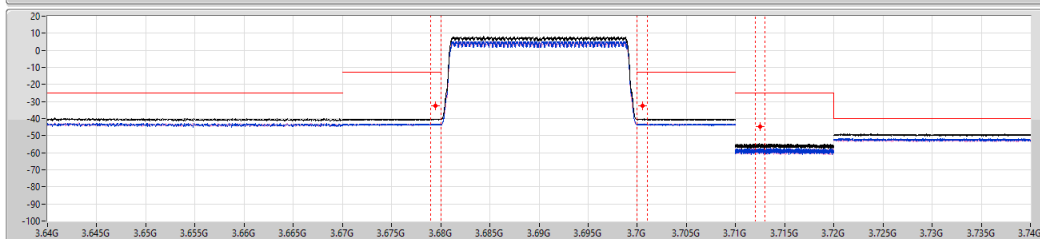
Band 48 LTE_20MHz_Nss1,QPSK_2TX
3690MHz_QPSK_RB 100,#RB 0

CSE-TX-Sum

24/12/2020



Limit
Sum
Port 1
Port 2

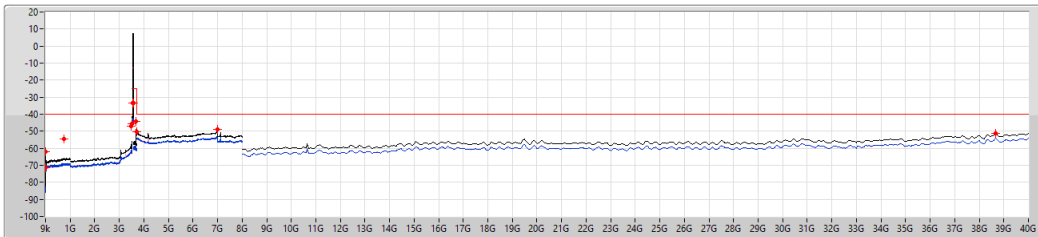


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9k	-70.59	-40.00	-30.59	-	-	-73.76	-73.44
150k	30M	10k	30k	RMS	299.7k	-63.45	-40.00	-23.45	-	-	-66.90	-66.07
30M	1G	100k	300k	RMS	879.5M	-52.75	-40.00	-12.75	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.0715G	-46.00	-40.00	-6.00	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5245G	-44.64	-40.00	-4.64	MBW 1M	-	-	-
3.53G	3.67G	200k	1M	RMS	3.6065G	-32.01	-25.00	-7.01	MBW 1M	-	-	-
3.67G	3.68G	200k	1M	RMS	3.6795G	-32.33	-13.00	-19.33	MBW 1M	-	-	-
3.7G	3.71G	200k	1M	RMS	3.7005G	-32.33	-13.00	-19.33	MBW 1M	-	-	-
3.71G	3.72G	100k	300k	RMS	3.7125G	-44.70	-25.00	-19.70	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7995G	-46.37	-40.00	-6.37	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	7.3795G	-47.57	-40.00	-7.57	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	36.656G	-49.77	-40.00	-9.77	-	-	-52.80	-52.77

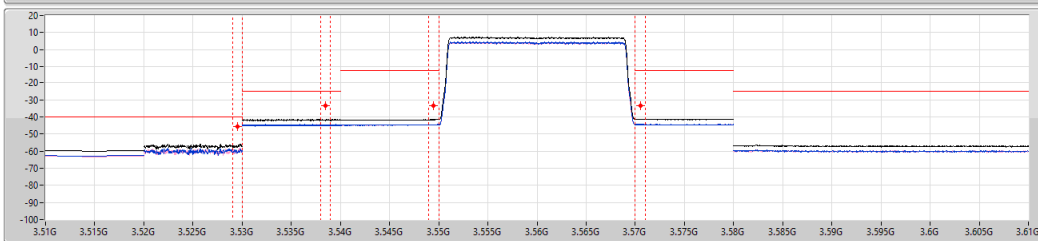
Band 48 LTE_20MHz_Nss1,16QAM_2TX
3560MHz_16QAM_RB 100,#RB 0

CSE-TX-Sum

02/01/2021



Limit ☒
Sum ☒
Port 1 ☒
Port 2 ☒

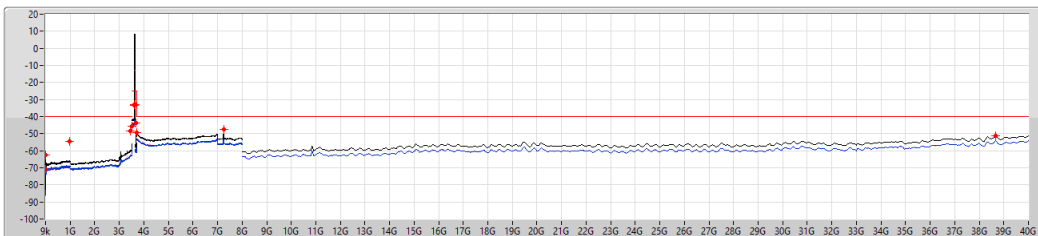


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.846k	-71.53	-40.00	-31.53	-	-	-74.29	-74.80
150k	30M	10k	30k	RMS	150k	-61.93	-40.00	-21.93	-	-	-64.61	-65.30
30M	1G	100k	300k	RMS	742.3M	-54.76	-40.00	-14.76	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.4925G	-46.83	-40.00	-6.83	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5295G	-45.84	-40.00	-5.84	MBW 1M	-	-	-
3.53G	3.54G	200k	1M	RMS	3.5385G	-33.65	-25.00	-8.65	MBW 1M	-	-	-
3.54G	3.55G	200k	1M	RMS	3.5495G	-33.43	-13.00	-20.43	MBW 1M	-	-	-
3.57G	3.58G	200k	1M	RMS	3.5705G	-33.29	-13.00	-20.29	MBW 1M	-	-	-
3.58G	3.72G	100k	300k	RMS	3.6865G	-44.20	-25.00	-19.20	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7205G	-50.21	-40.00	-10.21	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	6.9895G	-49.07	-40.00	-9.07	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	38.656G	-51.13	-40.00	-11.13	-	-	-54.17	-54.11

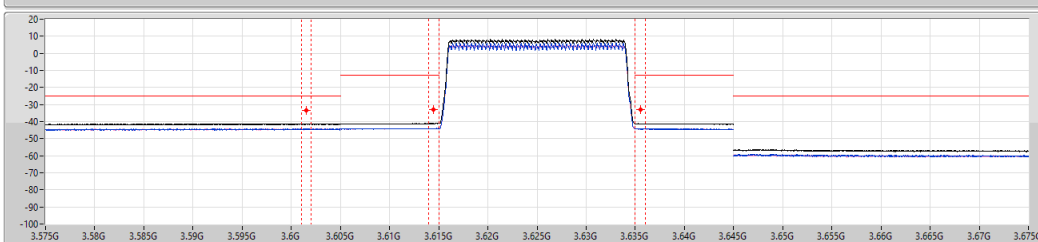
Band 48 LTE_20MHz_Nss1,16QAM_2TX
3625MHz_16QAM_RB 100,#RB 0

CSE-TX-Sum

02/01/2021



Limit ☒
Sum ☒
Port 1 ☒
Port 2 ☒

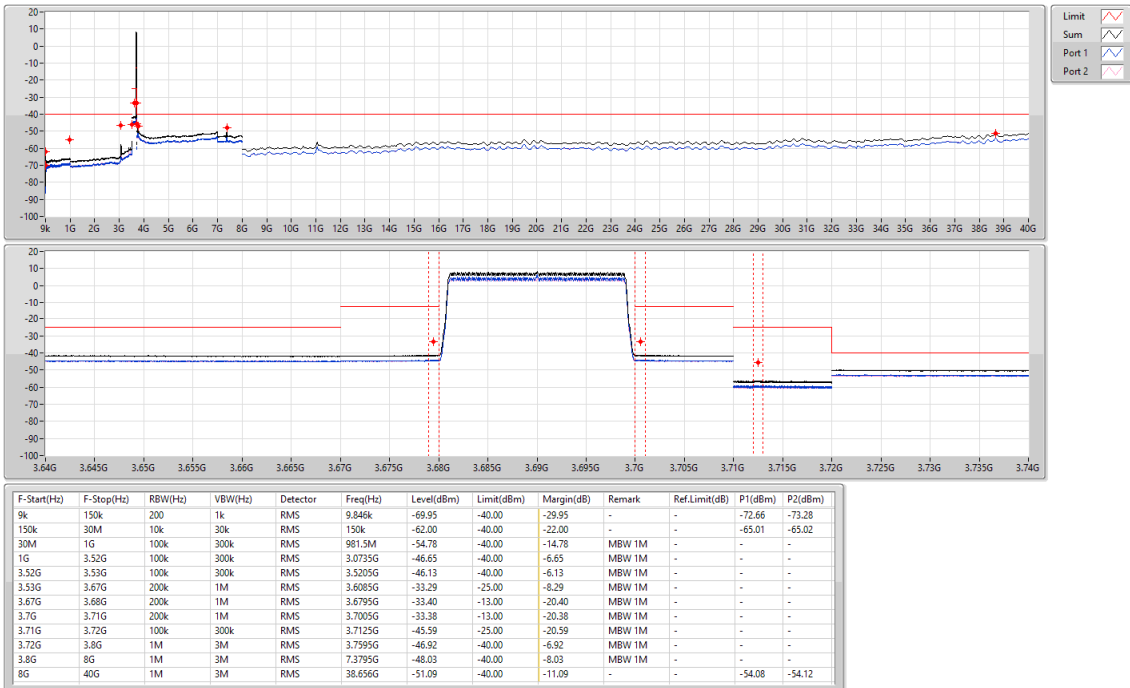


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.846k	-70.87	-40.00	-30.87	-	-	-73.51	-74.28
150k	30M	10k	30k	RMS	150k	-62.52	-40.00	-22.52	-	-	-65.76	-65.31
30M	1G	100k	300k	RMS	967.5M	-54.73	-40.00	-14.73	MBW 1M	-	-	-
1G	3.52G	100k	300k	RMS	3.4415G	-48.30	-40.00	-8.30	MBW 1M	-	-	-
3.52G	3.53G	100k	300k	RMS	3.5245G	-45.74	-40.00	-5.74	MBW 1M	-	-	-
3.53G	3.605G	200k	1M	RMS	3.6015G	-33.34	-25.00	-8.34	MBW 1M	-	-	-
3.605G	3.615G	200k	1M	RMS	3.6145G	-32.98	-13.00	-19.98	MBW 1M	-	-	-
3.615G	3.645G	200k	1M	RMS	3.6355G	-33.11	-13.00	-20.11	MBW 1M	-	-	-
3.645G	3.72G	100k	300k	RMS	3.6865G	-43.90	-25.00	-18.90	MBW 1M	-	-	-
3.72G	3.8G	1M	3M	RMS	3.7205G	-49.29	-40.00	-9.29	MBW 1M	-	-	-
3.8G	8G	1M	3M	RMS	7.2505G	-47.50	-40.00	-7.50	MBW 1M	-	-	-
8G	40G	1M	3M	RMS	38.656G	-51.09	-40.00	-11.09	-	-	-54.07	-54.13

Band 48 LTE_20MHz_Nss1,16QAM_2TX
3690MHz_16QAM_RB 100,#RB 0

CSE-TX-Sum

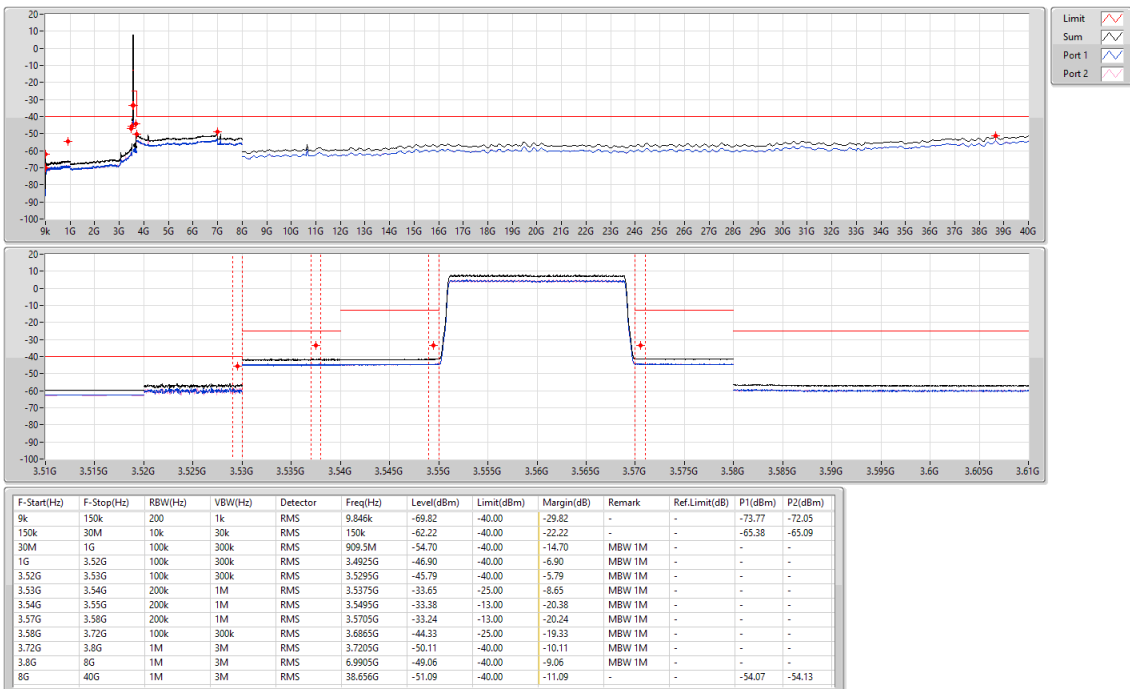
02/01/2021



Band 48 LTE_20MHz_Nss1,64QAM_2TX
3560MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

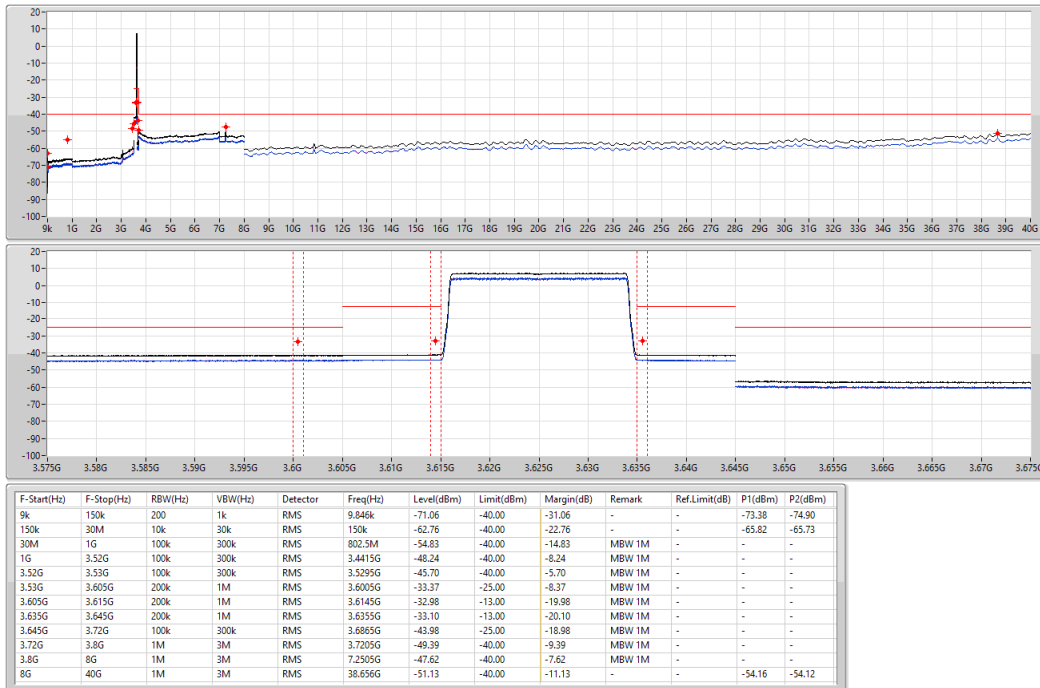
02/01/2021



Band 48 LTE_20MHz_Nss1,64QAM_2TX
3625MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

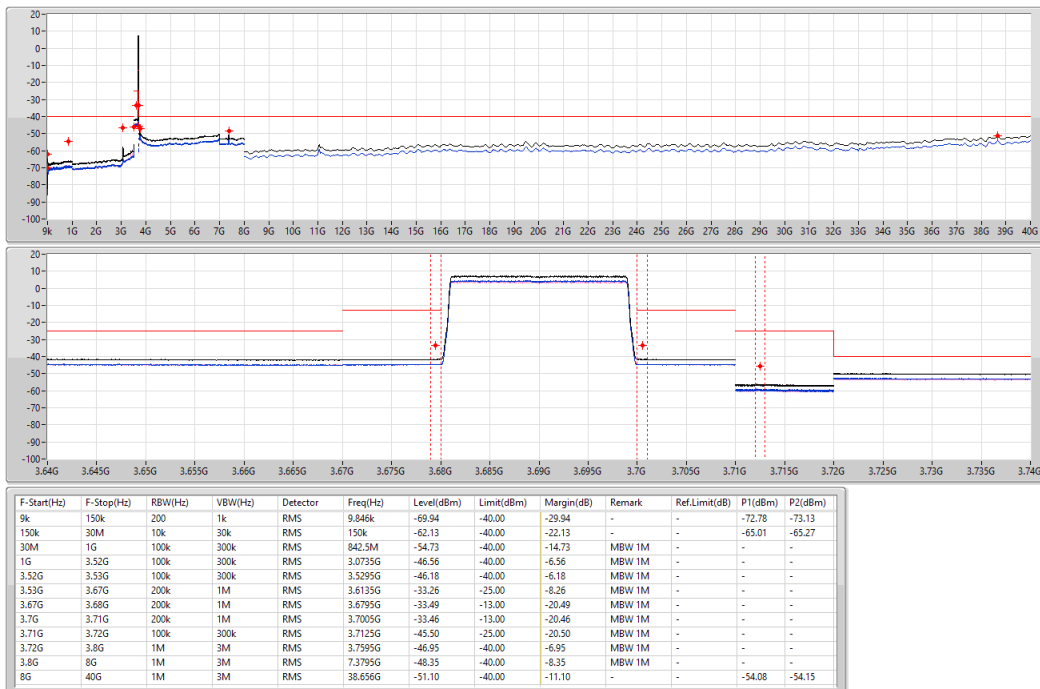
02/01/2021



Band 48 LTE_20MHz_Nss1,64QAM_2TX
3690MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

02/01/2021



**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
Band 48	-	-	-	-	-	-	-	-	-	-	-
LTE_10MHz+10MHz_Nss1,QPSK_2TX	Pass	30M	3.45G	1M	3M	RMS	3.4175G	-42.22	-40.00	-2.22	MBW 1M
LTE_10MHz+10MHz_Nss1,16QAM_2TX	Pass	30M	3.45G	1M	3M	RMS	3.4155G	-43.97	-40.00	-3.97	MBW 1M
LTE_10MHz+10MHz_Nss1,64QAM_2TX	Pass	30M	3.45G	1M	3M	RMS	3.4145G	-42.51	-40.00	-2.51	MBW 1M
LTE_20MHz+20MHz_Nss1,QPSK_2TX	Pass	30M	3.45G	1M	3M	RMS	3.4255G	-41.41	-40.00	-1.41	MBW 1M
LTE_20MHz+20MHz_Nss1,16QAM_2TX	Pass	30M	3.45G	1M	3M	RMS	3.4195G	-41.29	-40.00	-1.29	MBW 1M
LTE_20MHz+20MHz_Nss1,64QAM_2TX	Pass	3.45G	3.53G	1M	3M	RMS	3.4895G	-40.21	-40.00	-0.21	MBW 1M

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.952k	-57.46	-40.00	-17.46	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	425k	-49.82	-40.00	-9.82	MBW 10k
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4175G	-42.22	-40.00	-2.22	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4835G	-46.15	-40.00	-6.15	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-36.64	-13.00	-23.64	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.549G	3.55G	100k	300k	RMS	3.55G	-40.88	-13.00	-27.88	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.56G	3.561G	100k	300k	RMS	3.56G	-40.41	-13.00	-27.41	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.561G	3.619G	100k	300k	RMS	3.5895G	-33.48	-25.00	-8.48	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-40.73	-13.00	-27.73	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-40.62	-13.00	-27.62	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.631G	3.72G	100k	300k	RMS	3.6315G	-36.68	-13.00	-23.68	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.76387G	-45.57	-40.00	-5.57	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.352G	-49.63	-40.00	-9.63	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.952k	-57.69	-40.00	-17.69	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	445k	-51.51	-40.00	-11.51	MBW 10k
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-45.49	-40.00	-5.49	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4855G	-45.12	-40.00	-5.12	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.53G	3.619G	100k	300k	RMS	3.6185G	-36.66	-13.00	-23.66	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-41.26	-13.00	-28.26	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-41.55	-13.00	-28.55	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.631G	3.689G	100k	300k	RMS	3.6595G	-31.07	-25.00	-6.07	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.689G	3.69G	100k	300k	RMS	3.69G	-41.23	-13.00	-28.23	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.7G	3.701G	100k	300k	RMS	3.7G	-41.61	-13.00	-28.61	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.19	-13.00	-24.19	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.83235G	-45.71	-40.00	-5.71	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.36G	-49.66	-40.00	-9.66	-
Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.952k	-57.60	-40.00	-17.60	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	235k	-52.23	-40.00	-12.23	MBW 10k
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4155G	-43.97	-40.00	-3.97	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4875G	-46.65	-40.00	-6.65	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-36.71	-13.00	-23.71	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.549G	3.55G	100k	300k	RMS	3.55G	-40.57	-13.00	-27.57	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.56G	3.561G	100k	300k	RMS	3.56G	-41.27	-13.00	-28.27	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.561G	3.619G	100k	300k	RMS	3.5905G	-33.00	-25.00	-8.00	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-41.55	-13.00	-28.55	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-41.13	-13.00	-28.13	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.631G	3.72G	100k	300k	RMS	3.6315G	-36.81	-13.00	-23.81	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.76548G	-45.09	-40.00	-5.09	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.348G	-49.60	-40.00	-9.60	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.987k	-57.29	-40.00	-17.29	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	475k	-50.89	-40.00	-10.89	MBW 10k
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-46.14	-40.00	-6.14	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4845G	-44.40	-40.00	-4.40	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.53G	3.619G	100k	300k	RMS	3.6185G	-36.70	-13.00	-23.70	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-40.67	-13.00	-27.67	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-41.36	-13.00	-28.36	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.631G	3.689G	100k	300k	RMS	3.6595G	-32.44	-25.00	-7.44	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.689G	3.69G	100k	300k	RMS	3.69G	-41.32	-13.00	-28.32	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.7G	3.701G	100k	300k	RMS	3.7G	-41.19	-13.00	-28.19	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.13	-13.00	-24.13	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.83449G	-45.98	-40.00	-5.98	-



Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.348G	-49.71	-40.00	-9.71	-
Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.952k	-57.74	-40.00	-17.74	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	685k	-50.60	-40.00	-10.60	MBW 10k
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4145G	-42.51	-40.00	-2.51	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4825G	-46.30	-40.00	-6.30	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-36.73	-13.00	-23.73	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.549G	3.55G	100k	300k	RMS	3.55G	-41.08	-13.00	-28.08	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.56G	3.561G	100k	300k	RMS	3.56G	-40.80	-13.00	-27.80	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.561G	3.619G	100k	300k	RMS	3.5905G	-33.72	-25.00	-8.72	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-40.96	-13.00	-27.96	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-41.03	-13.00	-28.03	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.631G	3.72G	100k	300k	RMS	3.6315G	-36.84	-13.00	-23.84	MBW 1M
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.76387G	-45.77	-40.00	-5.77	-
N#3555MHz.#3625MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.344G	-49.60	-40.00	-9.60	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	9k	150k	200	1k	RMS	9.952k	-56.43	-40.00	-16.43	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	150k	30M	10k	30k	RMS	405k	-49.24	-40.00	-9.24	MBW 10k
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-46.52	-40.00	-6.52	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4855G	-43.94	-40.00	-3.94	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.53G	3.619G	100k	300k	RMS	3.6185G	-36.58	-13.00	-23.58	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.619G	3.62G	100k	300k	RMS	3.62G	-40.50	-13.00	-27.50	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.63G	3.631G	100k	300k	RMS	3.63G	-40.59	-13.00	-27.59	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.631G	3.689G	100k	300k	RMS	3.6595G	-33.24	-25.00	-8.24	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.689G	3.69G	100k	300k	RMS	3.69G	-40.69	-13.00	-27.69	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.7G	3.701G	100k	300k	RMS	3.7G	-40.28	-13.00	-27.28	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.10	-13.00	-24.10	MBW 1M
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	3.72G	8G	1M	3M	RMS	3.83289G	-44.00	-40.00	-4.00	-
N#3625MHz.#3695MHz_P_50@L+S_50@L	Pass	8G	40G	1M	3M	RMS	39.352G	-49.56	-40.00	-9.56	-
Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-49.67	-40.00	-9.67	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	415k	-46.96	-40.00	-6.96	MBW 10k
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4255G	-41.41	-40.00	-1.41	MBW 1M
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4985G	-43.65	-40.00	-3.65	MBW 1M
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-36.75	-13.00	-23.75	MBW 1M
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.549G	3.55G	100k	300k	RMS	3.54994G	-46.09	-13.00	-33.09	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.57G	3.571G	100k	300k	RMS	3.57005G	-46.17	-13.00	-33.17	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.571G	3.614G	100k	300k	RMS	3.5925G	-29.33	-25.00	-4.33	MBW 1M
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.6149G	-46.05	-13.00	-33.05	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.63527G	-46.02	-13.00	-33.02	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.636G	3.72G	100k	300k	RMS	3.6365G	-36.76	-13.00	-23.76	MBW 1M
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.75585G	-41.83	-40.00	-1.83	-
N#3560MHz.#3625MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.372G	-49.61	-40.00	-9.61	-
N#3560MHz.#3690MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-48.97	-40.00	-8.97	-
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	385k	-46.67	-40.00	-6.67	MBW 10k
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-45.14	-40.00	-5.14	MBW 1M
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4935G	-42.48	-40.00	-2.48	MBW 1M
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.53G	3.614G	100k	300k	RMS	3.6065G	-36.59	-13.00	-23.59	MBW 1M
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.61471G	-45.87	-13.00	-32.87	-
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.63524G	-46.05	-13.00	-33.05	-
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.636G	3.679G	100k	300k	RMS	3.6575G	-31.43	-25.00	-6.43	MBW 1M
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.679G	3.68G	100k	300k	RMS	3.67999G	-46.44	-13.00	-33.44	-
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.7G	3.701G	100k	300k	RMS	3.70017G	-46.46	-13.00	-33.46	-
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.07	-13.00	-24.07	MBW 1M
N#3625MHz.#3690MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.81844G	-42.90	-40.00	-2.90	-

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.352G	-49.54	-40.00	-9.54	-
Band 48, LTE_20MHz+20MHz_Nss1,16QAM_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-50.61	-40.00	-10.61	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	455k	-47.64	-40.00	-7.64	MBW 10k
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4195G	-41.29	-40.00	-1.29	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4945G	-44.33	-40.00	-4.33	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-37.00	-13.00	-24.00	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.549G	3.55G	100k	300k	RMS	3.54952G	-46.46	-13.00	-33.46	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.57G	3.571G	100k	300k	RMS	3.57035G	-46.52	-13.00	-33.52	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.571G	3.614G	100k	300k	RMS	3.5925G	-29.27	-25.00	-4.27	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.61431G	-46.28	-13.00	-33.28	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.63521G	-46.28	-13.00	-33.28	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.636G	3.72G	100k	300k	RMS	3.6365G	-36.98	-13.00	-23.98	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.75531G	-43.09	-40.00	-3.09	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.348G	-49.83	-40.00	-9.83	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-47.93	-40.00	-7.93	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	305k	-44.75	-40.00	-4.75	MBW 10k
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-45.11	-40.00	-5.11	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4945G	-41.67	-40.00	-1.67	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.53G	3.614G	100k	300k	RMS	3.6135G	-36.51	-13.00	-23.51	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.61486G	-45.91	-13.00	-32.91	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.63514G	-46.07	-13.00	-33.07	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.636G	3.679G	100k	300k	RMS	3.6575G	-31.15	-25.00	-6.15	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.679G	3.68G	100k	300k	RMS	3.67987G	-46.55	-13.00	-33.55	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.7G	3.701G	100k	300k	RMS	3.7002G	-46.44	-13.00	-33.44	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.02	-13.00	-24.02	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.81898G	-43.07	-40.00	-3.07	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.356G	-49.68	-40.00	-9.68	-
Band 48, LTE_20MHz+20MHz_Nss1,64QAM_2TX	-	-	-	-	-	-	-	-	-	-	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-48.73	-40.00	-8.73	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	405k	-46.85	-40.00	-6.85	MBW 10k
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4355G	-41.03	-40.00	-1.03	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4935G	-43.63	-40.00	-3.63	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.53G	3.549G	100k	300k	RMS	3.5485G	-37.45	-13.00	-24.45	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.549G	3.55G	100k	300k	RMS	3.54946G	-46.96	-13.00	-33.96	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.57G	3.571G	100k	300k	RMS	3.57007G	-46.95	-13.00	-33.95	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.571G	3.614G	100k	300k	RMS	3.5925G	-29.61	-25.00	-4.61	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.61462G	-46.83	-13.00	-33.83	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.636G	-46.85	-13.00	-33.85	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.636G	3.72G	100k	300k	RMS	3.6365G	-37.49	-13.00	-24.49	MBW 1M
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.75852G	-43.02	-40.00	-3.02	-
N#3560MHz,#3625MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.34G	-50.56	-40.00	-10.56	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	9k	150k	200	1k	RMS	9.952k	-46.23	-40.00	-6.23	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	150k	30M	10k	30k	RMS	175k	-44.52	-40.00	-4.52	MBW 10k
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	30M	3.45G	1M	3M	RMS	3.4415G	-44.68	-40.00	-4.68	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.45G	3.53G	1M	3M	RMS	3.4895G	-40.21	-40.00	-0.21	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.53G	3.614G	100k	300k	RMS	3.6135G	-37.21	-13.00	-24.21	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.614G	3.615G	100k	300k	RMS	3.61481G	-46.53	-13.00	-33.53	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.635G	3.636G	100k	300k	RMS	3.63505G	-46.70	-13.00	-33.70	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.636G	3.679G	100k	300k	RMS	3.6575G	-28.68	-25.00	-3.68	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.679G	3.68G	100k	300k	RMS	3.67997G	-47.16	-13.00	-34.16	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.7G	3.701G	100k	300k	RMS	3.70034G	-47.03	-13.00	-34.03	-
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.701G	3.72G	100k	300k	RMS	3.7015G	-37.62	-13.00	-24.62	MBW 1M
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	3.72G	8G	1M	3M	RMS	3.82379G	-41.55	-40.00	-1.55	-



CSE-TX-Sum_ LTE Band 48_2CA

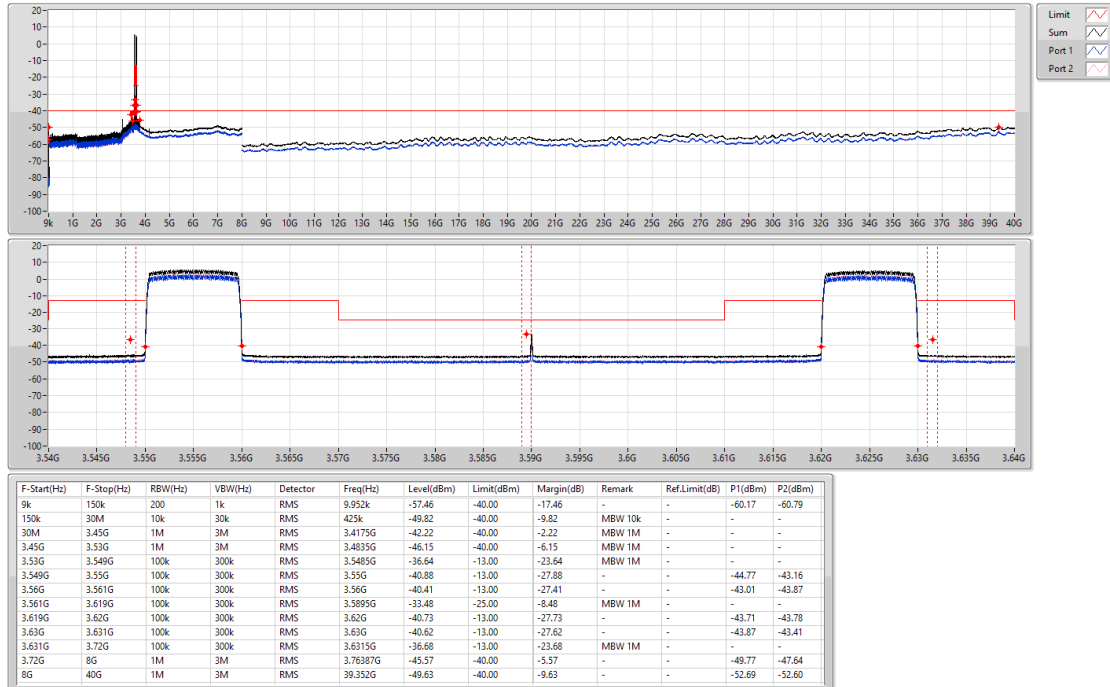
Appendix E.2

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
N#3625MHz,#3690MHz_P_100@L+S_100@L	Pass	8G	40G	1M	3M	RMS	39.336G	-50.52	-40.00	-10.52	-

Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
N#3555MHz,#3625MHz_QPSK_P_50@L+S_50@L

CSE-TX-Sum

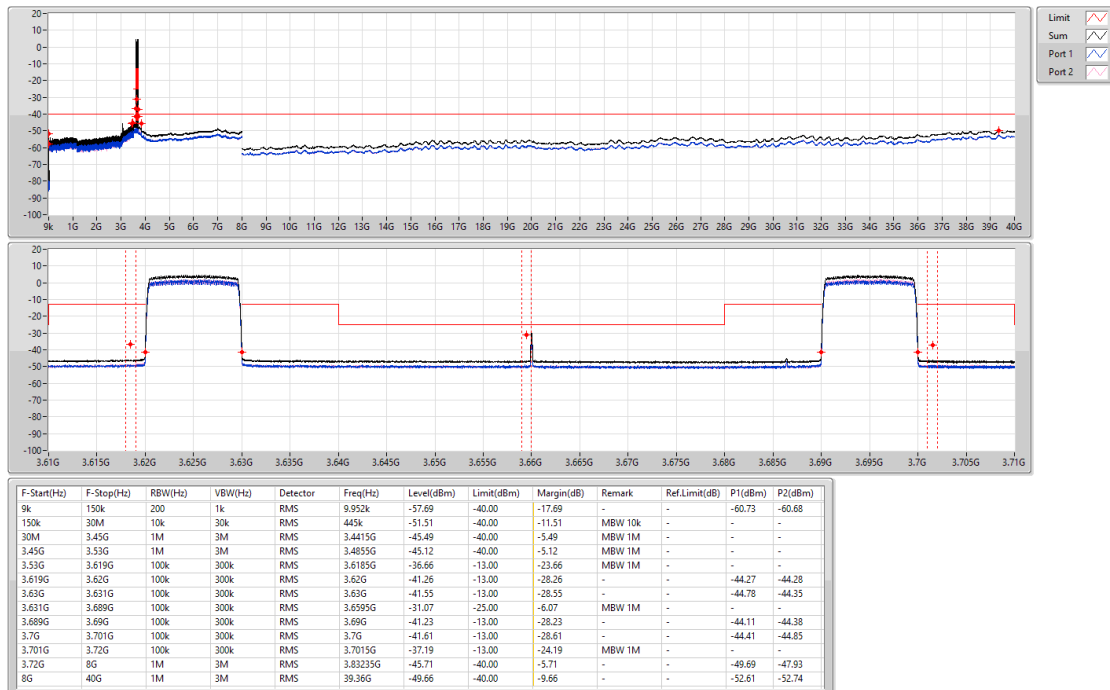
21/01/2021



Band 48_LTE_10MHz+10MHz_Nss1,QPSK_2TX
N#3625MHz,#3695MHz_QPSK_P_50@L+S_50@L

CSE-TX-Sum

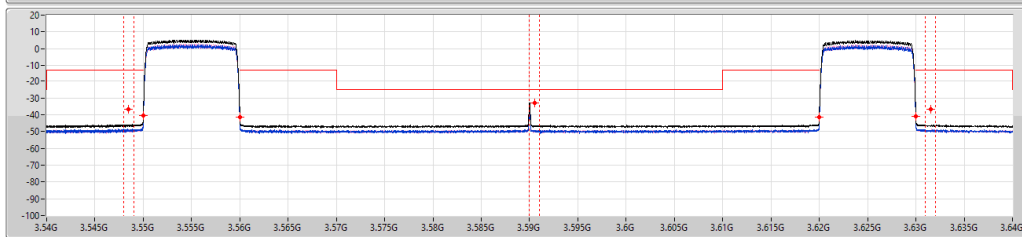
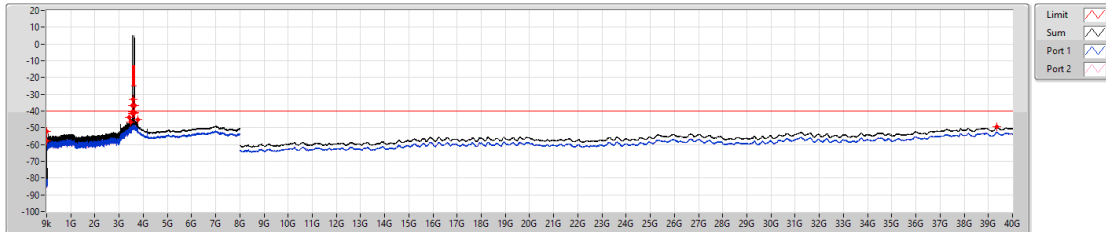
21/01/2021



Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
N#3555MHz,#3625MHz_16QAM_P_50@L+S_50@L

CSE-TX-Sum

21/01/2021

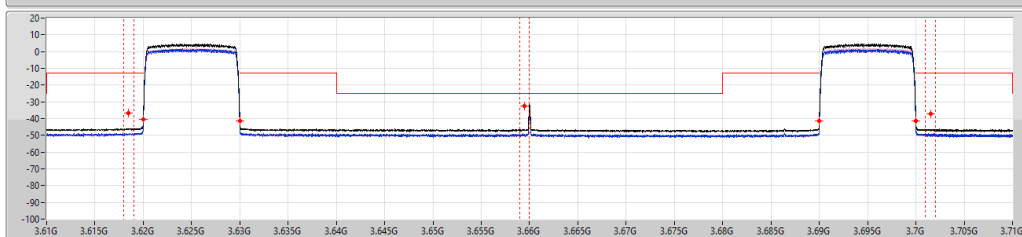
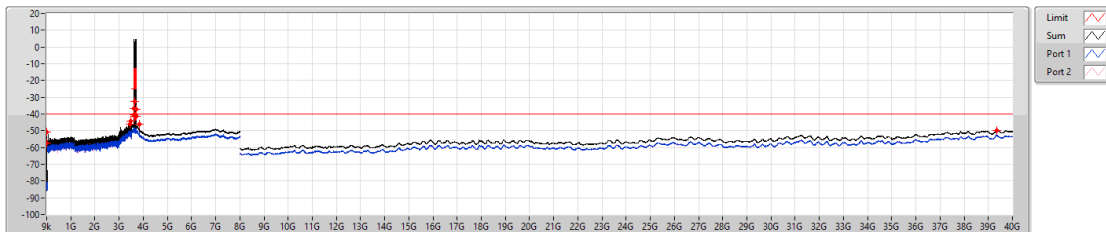


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.952k	-57.60	-40.00	-17.60	-	-	-62.84	-59.15
150k	30M	10k	30k	RMS	235k	-52.23	-40.00	-12.23	MBW 10k	-	-	-
30M	3.45G	1M	3M	RMS	3.4155G	-43.97	-40.00	-3.97	MBW 1M	-	-	-
3.45G	3.53G	1M	3M	RMS	3.4875G	-46.65	-40.00	-6.65	MBW 1M	-	-	-
3.53G	3.548G	100k	300k	RMS	3.5485G	-36.71	-13.00	-23.71	MBW 1M	-	-	-
3.548G	3.55G	100k	300k	RMS	3.55G	-40.57	-13.00	-27.57	-	-	-43.92	-43.27
3.55G	3.561G	100k	300k	RMS	3.56G	-41.27	-13.00	-28.27	-	-	-44.38	-44.19
3.561G	3.619G	100k	300k	RMS	3.5905G	-33.00	-25.00	-8.00	MBW 1M	-	-	-
3.619G	3.62G	100k	300k	RMS	3.62G	-41.55	-13.00	-28.55	-	-	-44.56	-44.56
3.62G	3.631G	100k	300k	RMS	3.63G	-41.13	-13.00	-28.13	-	-	-44.19	-44.10
3.631G	3.72G	100k	300k	RMS	3.6315G	-36.81	-13.00	-23.81	MBW 1M	-	-	-
3.72G	8G	1M	3M	RMS	3.76548G	-45.09	-40.00	-5.09	-	-	-48.56	-47.69
8G	40G	1M	3M	RMS	39.348G	-49.60	-40.00	-9.60	-	-	-52.55	-52.68

Band 48_LTE_10MHz+10MHz_Nss1,16QAM_2TX
N#3625MHz,#3695MHz_16QAM_P_50@L+S_50@L

CSE-TX-Sum

21/01/2021

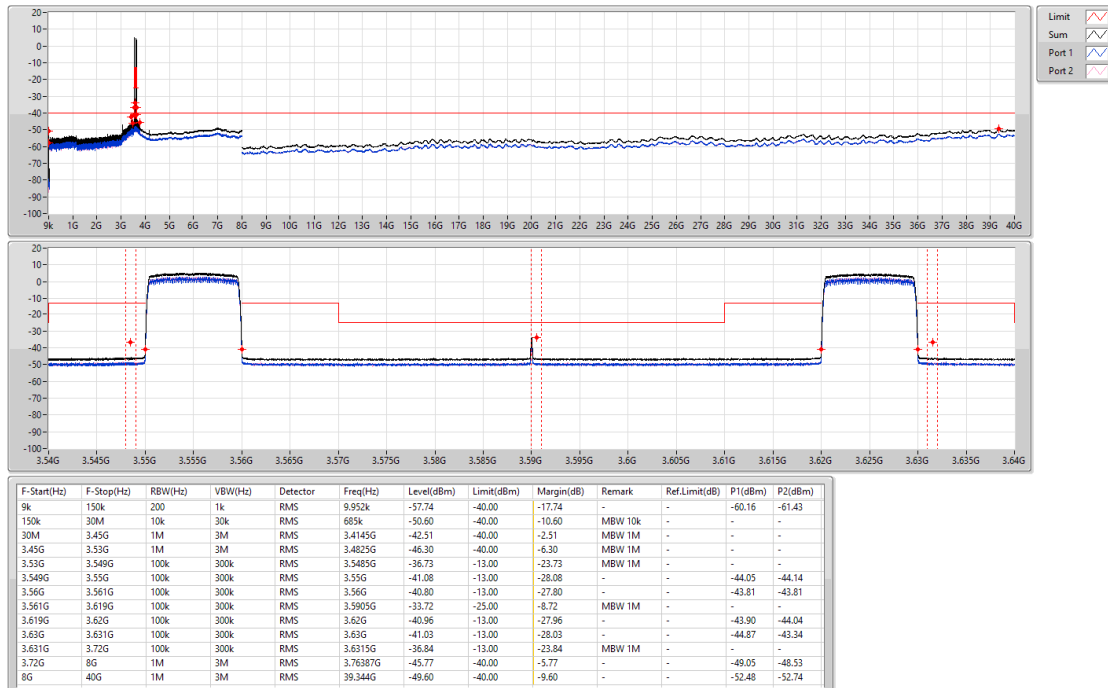


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.987k	-57.29	-40.00	-17.29	-	-	-60.80	-59.86
150k	30M	10k	30k	RMS	475k	-50.89	-40.00	-10.89	MBW 10k	-	-	-
30M	3.45G	1M	3M	RMS	3.4415G	-46.14	-40.00	-6.14	MBW 1M	-	-	-
3.45G	3.53G	1M	3M	RMS	3.4845G	-44.40	-40.00	-4.40	MBW 1M	-	-	-
3.53G	3.619G	100k	300k	RMS	3.6195G	-36.70	-13.00	-23.70	MBW 1M	-	-	-
3.619G	3.62G	100k	300k	RMS	3.62G	-40.67	-13.00	-27.67	-	-	-43.90	-43.48
3.62G	3.631G	100k	300k	RMS	3.63G	-41.36	-13.00	-28.36	-	-	-44.35	-44.40
3.631G	3.689G	100k	300k	RMS	3.6595G	-32.44	-25.00	-7.44	MBW 1M	-	-	-
3.689G	3.69G	100k	300k	RMS	3.69G	-41.32	-13.00	-28.32	-	-	-44.51	-44.16
3.69G	3.701G	100k	300k	RMS	3.7G	-41.19	-13.00	-28.19	-	-	-44.71	-43.75
3.701G	3.72G	100k	300k	RMS	3.7015G	-37.13	-13.00	-24.13	MBW 1M	-	-	-
3.72G	8G	1M	3M	RMS	3.83449G	-45.98	-40.00	-5.98	-	-	-50.04	-48.14
8G	40G	1M	3M	RMS	39.348G	-49.71	-40.00	-9.71	-	-	-52.80	-52.64

Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
N#3555MHz,#3625MHz_64QAM_P_50@L+S_50@L

CSE-TX-Sum

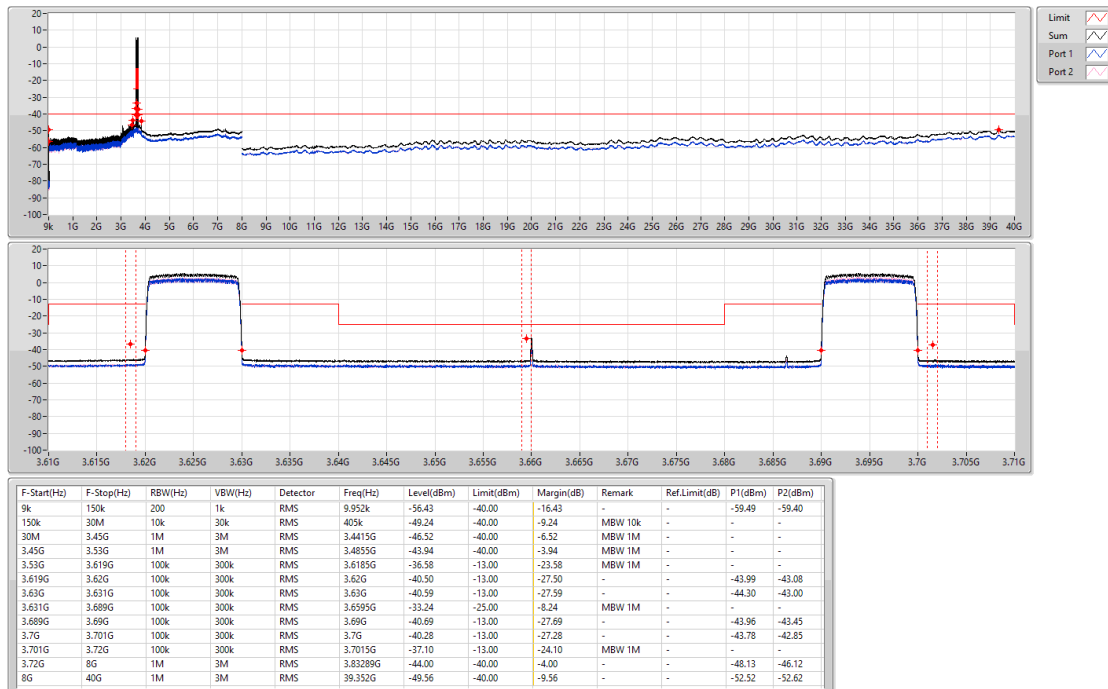
21/01/2021



Band 48_LTE_10MHz+10MHz_Nss1,64QAM_2TX
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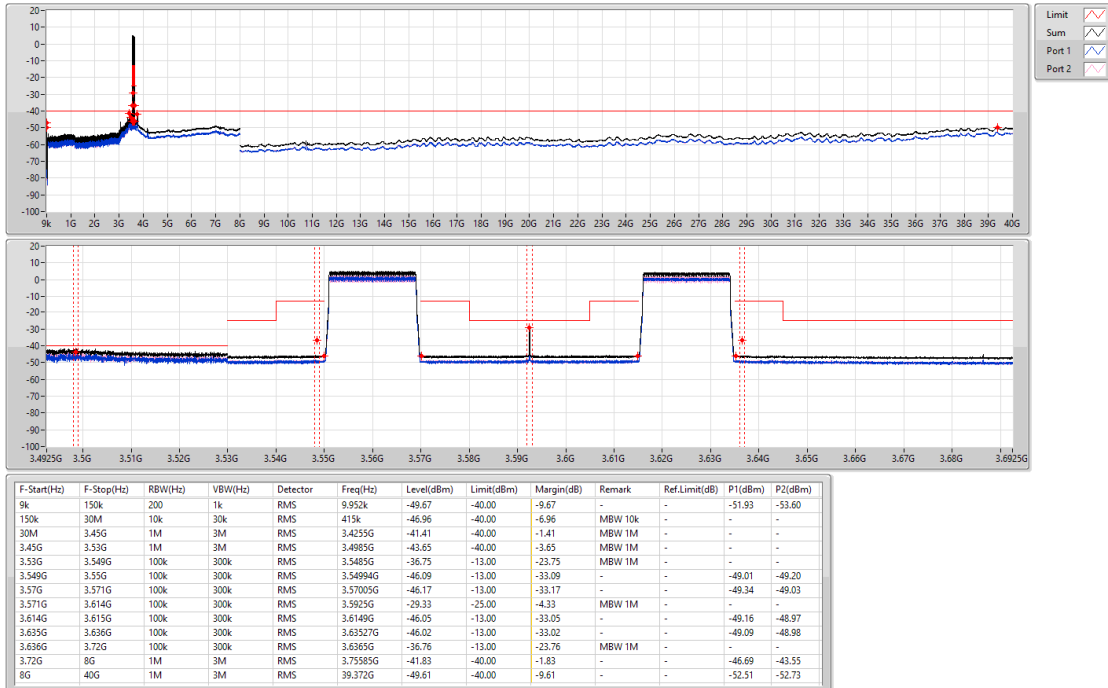
21/01/2021



Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
N#3560MHz,#3625MHz_QPSK_P_100@L+S_100@L

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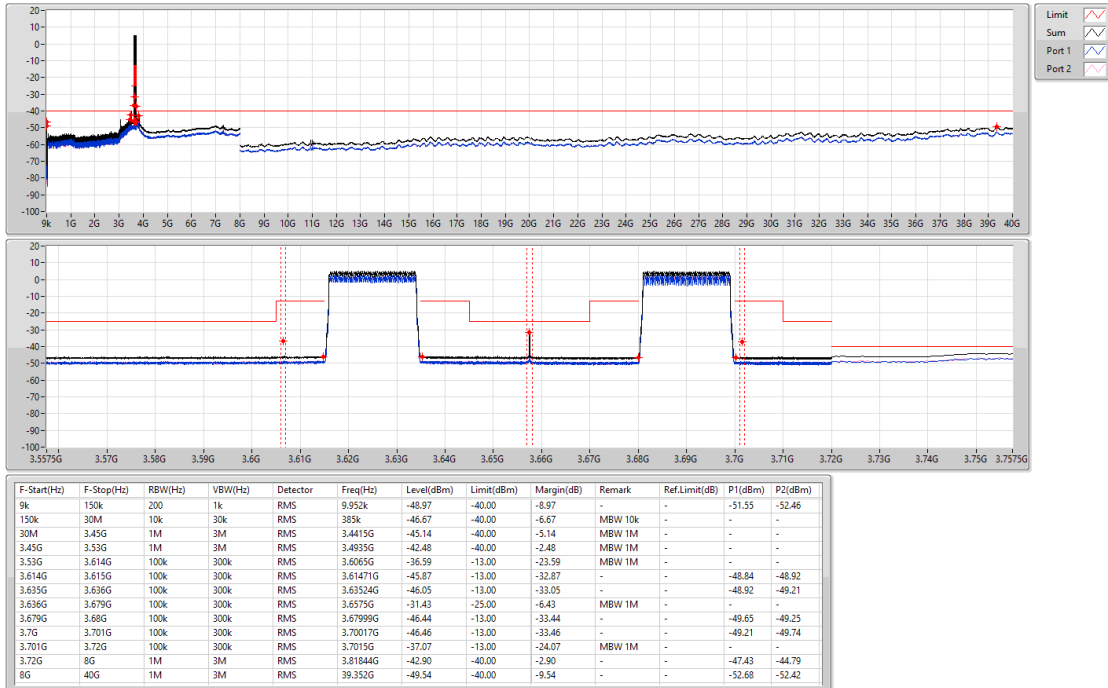
21/01/2021



Band 48_LTE_20MHz+20MHz_Nss1,QPSK_2TX
N#3625MHz,#3690MHz_QPSK_P_100@L+S_100@L

CSE-TX-Sum

21/01/2021

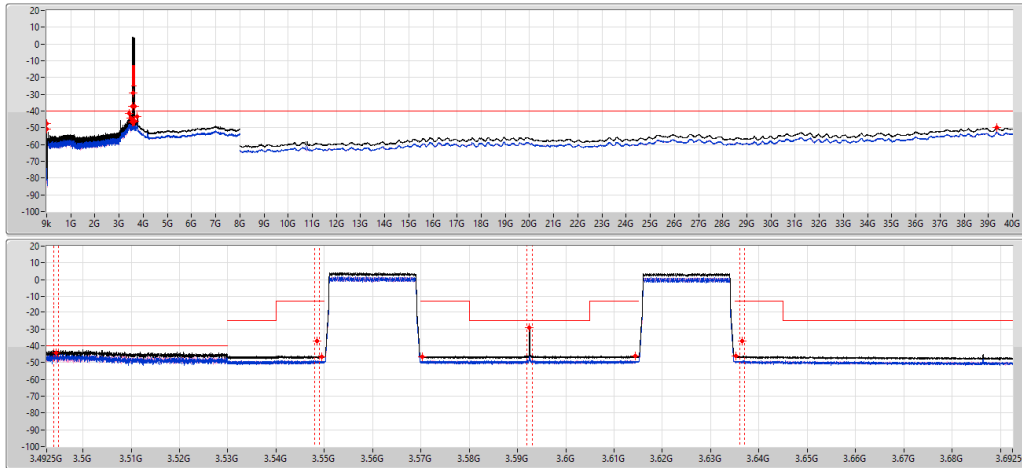


Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX

N#3560MHz,#3625MHz_16QAM_P_100@L+S_100@L

CSE-TX-Sum

21/01/2021



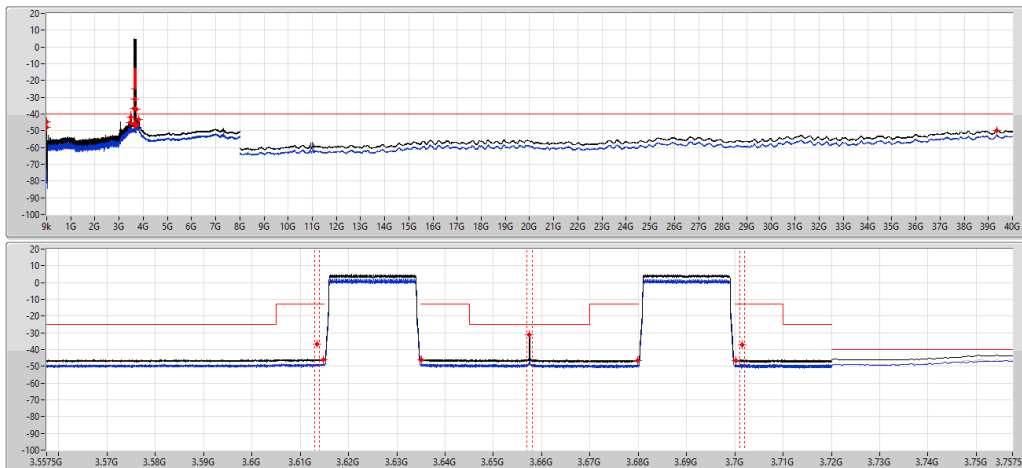
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.952k	-50.61	-40.00	-10.61	-	-	-53.80	-53.45
150k	30M	10k	30k	RMS	455k	-47.64	-40.00	-7.64	MBW 10k	-	-	-
30M	3.45G	1M	3M	RMS	3.4195G	-41.29	-40.00	-1.29	MBW 1M	-	-	-
3.45G	3.53G	1M	3M	RMS	3.4945G	-44.33	-40.00	-4.33	MBW 1M	-	-	-
3.53G	3.548G	100k	300k	RMS	3.5485G	-37.00	-13.00	-24.00	MBW 1M	-	-	-
3.548G	3.55G	100k	300k	RMS	3.5495G	-46.46	-13.00	-33.46	-	-	-49.47	-49.48
3.57G	3.571G	100k	300k	RMS	3.57035G	-46.52	-13.00	-33.52	-	-	-49.55	-49.52
3.571G	3.614G	100k	300k	RMS	3.5925G	-29.27	-25.00	-4.27	MBW 1M	-	-	-
3.614G	3.615G	100k	300k	RMS	3.61431G	-46.28	-13.00	-33.28	-	-	-49.31	-49.27
3.63G	3.636G	100k	300k	RMS	3.63521G	-46.28	-13.00	-33.28	-	-	-49.41	-49.18
3.636G	3.72G	100k	300k	RMS	3.6365G	-36.98	-13.00	-23.98	MBW 1M	-	-	-
3.72G	8G	1M	3M	RMS	3.75531G	-43.09	-40.00	-3.09	-	-	-46.92	-45.41
8G	40G	1M	3M	RMS	39.348G	-49.83	-40.00	-9.83	-	-	-52.80	-52.88

Band 48_LTE_20MHz+20MHz_Nss1,16QAM_2TX

N#3625MHz,#3690MHz_16QAM_P_100@L+S_100@L

CSE-TX-Sum

21/01/2021



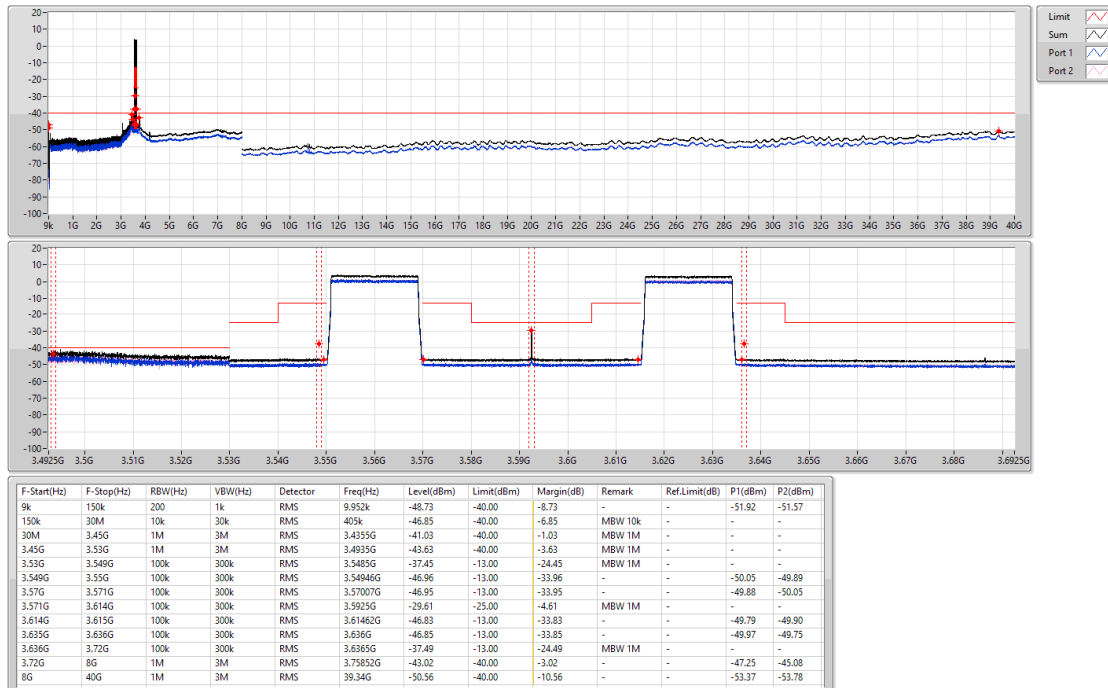
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)	P1(dBm)	P2(dBm)
9k	150k	200	1k	RMS	9.952k	-47.93	-40.00	-7.93	-	-	-51.32	-50.60
150k	30M	10k	30k	RMS	305k	-44.75	-40.00	-4.75	MBW 10k	-	-	-
30M	3.45G	1M	3M	RMS	3.4415G	-45.11	-40.00	-5.11	MBW 1M	-	-	-
3.45G	3.53G	1M	3M	RMS	3.4945G	-41.67	-40.00	-1.67	MBW 1M	-	-	-
3.53G	3.614G	100k	300k	RMS	3.6135G	-36.51	-13.00	-23.51	MBW 1M	-	-	-
3.614G	3.615G	100k	300k	RMS	3.61486G	-45.91	-13.00	-32.91	-	-	-48.78	-49.06
3.635G	3.636G	100k	300k	RMS	3.63514G	-46.07	-13.00	-33.07	-	-	-49.03	-49.14
3.636G	3.679G	100k	300k	RMS	3.6575G	-31.15	-25.00	-6.15	MBW 1M	-	-	-
3.679G	3.68G	100k	300k	RMS	3.67987G	-46.55	-13.00	-33.55	-	-	-49.57	-49.56
3.7G	3.701G	100k	300k	RMS	3.7002G	-46.44	-13.00	-33.44	-	-	-49.43	-49.48
3.701G	3.72G	100k	300k	RMS	3.7015G	-37.02	-13.00	-24.02	MBW 1M	-	-	-
3.72G	8G	1M	3M	RMS	3.81898G	-43.07	-40.00	-3.07	-	-	-46.86	-45.42
8G	40G	1M	3M	RMS	39.356G	-49.68	-40.00	-9.68	-	-	-52.94	-52.45

Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX

N#3560MHz,#3625MHz_64QAM_P_100@L+S_100@L

CSE-TX-Sum

22/01/2021

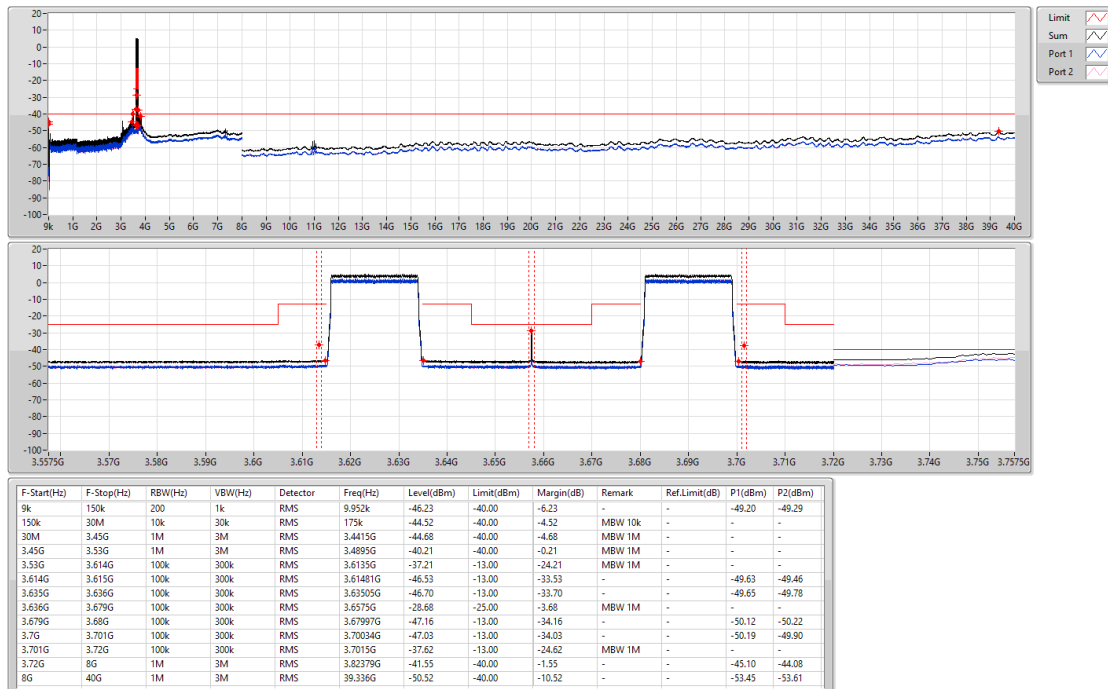


Band 48_LTE_20MHz+20MHz_Nss1,64QAM_2TX

N#3625MHz,#3690MHz_64QAM_P_100@L+S_100@L

CSE-TX-Sum

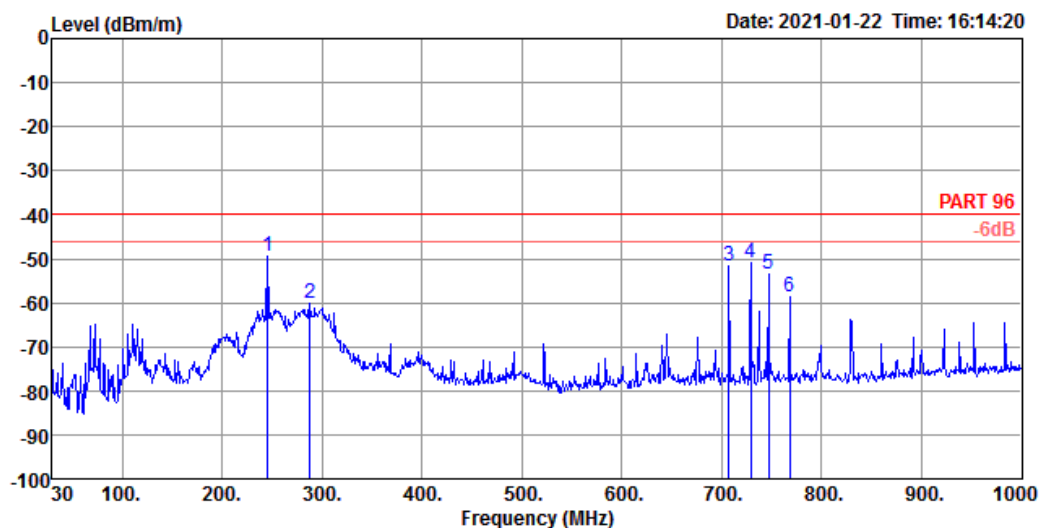
22/01/2021



Field Strength of Spurious Radiation (30MHz ~ 1GHz)

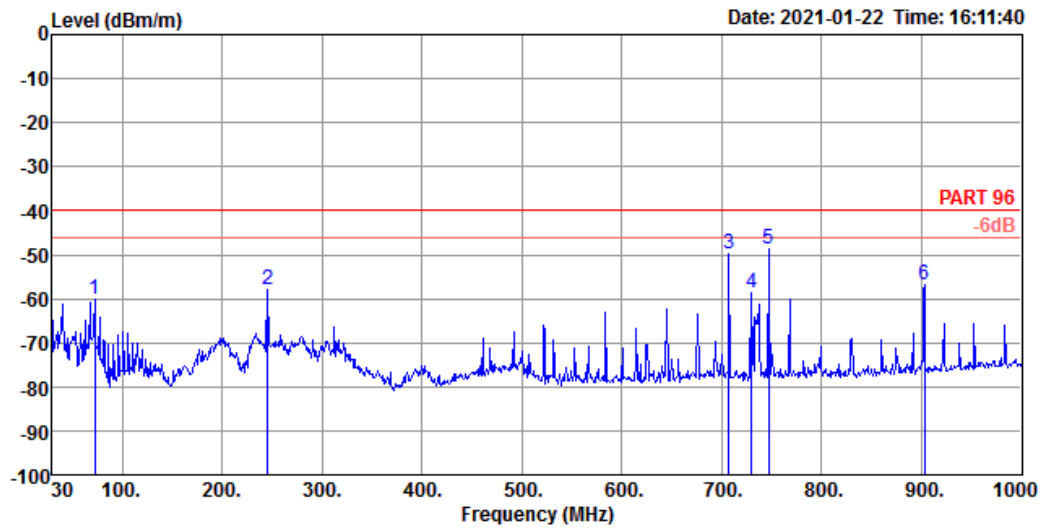
Configurations	20+20MHz / 16QAM
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Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark	Pol/Phase
	MHz	dBm/m	dB	dBm/m	dBm	dB/m		
1	245.34	-49.56	-9.56	-40.00	-36.70	-12.86	Peak	HORIZONTAL
2	288.02	-60.22	-20.22	-40.00	-48.74	-11.48	Peak	HORIZONTAL
3	707.06	-51.49	-11.49	-40.00	-47.00	-4.49	Peak	HORIZONTAL
4	729.37	-50.93	-10.93	-40.00	-46.96	-3.97	Peak	HORIZONTAL
5	746.83	-53.60	-13.60	-40.00	-49.91	-3.69	Peak	HORIZONTAL
6	768.17	-58.58	-18.58	-40.00	-55.12	-3.46	Peak	HORIZONTAL

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark	Pol/Phase
	MHz	dBm/m	dB	dBm/m	dBm	dB/m		
1	72.68	-60.25	-20.25	-40.00	-41.87	-18.38	Peak	VERTICAL
2	245.34	-57.84	-17.84	-40.00	-44.98	-12.86	Peak	VERTICAL
3	707.06	-49.70	-9.70	-40.00	-45.21	-4.49	Peak	VERTICAL
4	730.34	-58.79	-18.79	-40.00	-54.82	-3.97	Peak	VERTICAL
5	746.83	-48.79	-8.79	-40.00	-45.10	-3.69	Peak	VERTICAL
6	903.00	-56.86	-16.86	-40.00	-54.73	-2.13	Peak	VERTICAL

Field Strength of Spurious Radiation (Above 1GHz) – Harmonic

Configurations	20+20MHz / 16QAM
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark	Pol/Phase
	MHz	dBm/m	dB	dBm/m	dBm	dB/m		
1	12895.44	-47.27	-7.27	-40.00	-64.52	17.25	Peak	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Remark	Pol/Phase
	MHz	dBm/m	dB	dBm/m	dBm	dB/m		
1	12443.13	-48.30	-8.30	-40.00	-64.45	16.15	Peak	VERTICAL



Summary

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 48	-	-	-	-	-	-	-	-	-
LTE_20MHz_Nss1,QPSK_2TX	Pass	3.625G	3.625013G	3.61608G	3.633946G	3.6202	3.55G,3.7G,Inf	1	-

Result

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 48_LTE_20MHz_Nss1,QPSK_2TX	-	-	-	-	-	-	-	-	-
3625MHz_-30°C	Pass	3.625G	3.625004G	3.616065G	3.633943G	1.0344	3.55G,3.7G,Inf	1	-
3625MHz_-20°C	Pass	3.625G	3.625006G	3.616065G	3.633946G	1.5515	3.55G,3.7G,Inf	1	-
3625MHz_-10°C	Pass	3.625G	3.625013G	3.61608G	3.633946G	3.6202	3.55G,3.7G,Inf	1	-
3625MHz_0°C	Pass	3.625G	3.624998G	3.616054G	3.633943G	-0.5172	3.55G,3.7G,Inf	1	-
3625MHz_10°C	Pass	3.625G	3.624993G	3.616061G	3.633924G	-2.0687	3.55G,3.7G,Inf	1	-
3625MHz_20°C	Pass	3.625G	3.625007G	3.616072G	3.633943G	2.0687	3.55G,3.7G,Inf	1	-
3625MHz_30°C	Pass	3.625G	3.625011G	3.616076G	3.633946G	3.1031	3.55G,3.7G,Inf	1	-
3625MHz_40°C	Pass	3.625G	3.625011G	3.616069G	3.633954G	3.1031	3.55G,3.7G,Inf	1	-
3625MHz_50°C	Pass	3.625G	3.625006G	3.616065G	3.633946G	1.5515	3.55G,3.7G,Inf	1	-
3625MHz_126.5V	Pass	3.625G	3.625004G	3.616061G	3.633946G	1.0344	3.55G,3.7G,Inf	1	-
3625MHz_110V	Pass	3.625G	3.625009G	3.616072G	3.633946G	2.5859	3.55G,3.7G,Inf	1	-
3625MHz_93.5V	Pass	3.625G	3.624991G	3.616054G	3.633928G	-2.5859	3.55G,3.7G,Inf	1	-